GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FULLY EXAMINE THE SITE CONDITION, AND AVAILABLE UTILITIES AND TO NOTIFY THE OWNER'S REPRESENTATIVE, IN WRITING OF ANY AND ALL DISCREPANCIES BETWEEN THE SAID EXISTING CONDITIONS AND THESE DRAWINGS. NO CLAIMS FOR ADDITIONAL COMPENSATION SHALL BE MADE OR SHALL BE VALID UNLESS WRITTEN NOTIFICATION IS RECEIVED BY THE OWNER'S REPRESENTATIVE AND THE ADDITIONAL COMPENSATION IS APPROVED IN ADVANCE OF PROCEEDING WITH THE WORK.

2. IN ADDITION TO THE GENERAL NOTES LISTED HEREIN, A.I.A. DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION SHALL APPLY.

3. ALL WORK SHALL BE PERFORMED AS TO COMPLY WITH ALL GOVERNING STATUTES, ORDINANCES, REGULATIONS, CODES AND INSURANCE RATING BOARDS. NO WORK SHALL COMMENCE UNTIL ALL GOVERNMENTAL AND JURISDICTIONAL PERMITS AND APPROVALS ARE OBTAINED.

4. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS MANNER AND SHALL BE IN GOOD AND USABLE CONDITION AT THE DATE OF COMPLETION THEREOF.

5. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR INSTALL OR PERMIT TO BE INSTALLED, ANY MATERIALS CONTAINING ASBESTOS.

6. CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING TO STRUCTURE FOR INTERIOR PARTITIONS, SOFFITS, CEILINGS, PLATFORMS, ETC. WHETHER SHOWN ON THE DRAWINGS OR NOT.

7. THE ABBREVIATION OF "N.I.C." INDICATES WORK AND OR MATERIAL THAT IS NOT IN THE CONTRACT OF THE GENERAL CONTRACTOR, HOWEVER THIS DOES NOT RELIEVE THE G.C. OF THE RESPONSIBILITY OF COORDINATION.

8. THE LOCATIONS OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDIVIDUALLY VERIFIED BY THE OWNER OR HIS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

9. ALL WALL & CEILING CONSTRUCTION SHALL BE SUPPORTED BY STRUCTURE & NOT BY ROOF DECK IF APPLICABLE.

10. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL LOCAL LAWS, CODES AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT BETWEEN REQUIREMENTS, THE MOST RESTRICTIVE SHALL APPLY.

11. THE CONTRACTOR SHALL ADHERE TO THE CONSTRUCTION DOCUMENTS, SHOULD ANY ERROR OR INCONSISTENCY APPEAR REGARDING THE MEANING OR INTENT OF THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY REPORT SAME TO THE ARCHITECT WHO WILL MAKE ANY NECESSARY CLARIFICATION. OR REVISIONS AS REQUIRED.

12. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION AND DEVELOPMENT RELATED FEES, INCLUDING, BUT NOT LIMITED TO: CONSTRUCTION PERMIT FEES, HEALTH DEPARTMENT FEES, ETC. THE SELECTED QUALIFIED BIDDER WILL BE REQUIRED TO PROVIDE A COMPLETE LINE-ITEM LIST OF ALL FEES INCLUDED IN BID BASED ON APPROPRIATE SCHEDULES, UNLESS NOTED OTHERWISE

13. CONTRACTOR AND HIS SUBCONTRACTORS AND AGENTS SHALL HOLD ALL APPLICABLE AND REQUIRED LICENSES FOR THE JURISDICTION WHERE THE WORK WILL BE PERFORMED.

14. ALL FINISH SURFACES PENETRATED SUCH AS CEILING TILES AND MILLWORK COUNTERS FOR ANY REASON MUST HAVE AN ASSOCIATED GROMMET APPROVED FOR

15. TO ENSURE COORDINATION BETWEEN DISCIPLINES, CONTRACTOR SHALL SUPPLY EACH SUBCONTRACTOR OR AGENT WITH A FULL SET OF CONSTRUCTION DOCUMENTS FOR THEIR USE.

16. MAINTAIN SAFE EXITING AND APPROPRIATE FIRE PREVENTION PROCEDURES AT ALL TIMES DURING THE CONSTRUCTION PROCESS

17. ALL WORK LISTED, SHOWN OR IMPLIED IN THE CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR EXCEPT WHERE OTHERWISE NOTED. THE CONTRACTOR SHALL CLOSELY COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS AND VENDORS TO ASSURE THAT ALL SCHEDULES ARE MET AND THAT ALL WORK IS DONE IN CONFORMANCE WITH THE MANUFACTURER'S REQUIREMENTS.

18. ALL SURFACES WHICH ARE INDICATED TO BE FINISHED OR PAINTED SHALL BE PREPARED, SANDED, TREATED, AND PRIMED IN STRICT ACCORDANCE WITH COMMERCIAL QUALITY STANDARDS, AND IN STRICT ACCORDANCE WITH FINISH MATERIAL MANUFACTURER'S INSTRUCTIONS.

19. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF WORK, MATERIALS, FIXTURES, ETC. FROM LOSS, DAMAGE, FIRE, THEFT, ETC.

20. ALL WOOD IN CONTACT WITH CONCRETE MASONRY SHALL BE PRESSURE TREATED, MOISTURE RESISTANT WOOD.

DRAWINGS. ANY AREA OF THE PLANS MISSING REQUIRED DIMENSIONS MUST BE REPORTED TO THE ARCHITECT IMMEDIATELY.

21.CONTRACTOR SHALL VERIFY AND PROVIDE ALL UTILITY CONNECTIONS (PLUMBING, ELECTRICAL, GAS, ETC. IN THE FORM OF SUPPLY AND DRAIN PIPES, CONDUIT AND PULLING WIRES, ETC.) RELATED TO EQUIPMENT AND APPLIANCES.

22. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND FITTING NECESSARY TO ACHIEVE THE INTENT OF THE CONSTRUCTION DOCUMENTS

23. CONTRACTOR SHALL NEVER SCALE DRAWINGS. LOCATIONS FOR ALL PARTITIONS, WALLS, CEILINGS, ETC. WILL BE DETERMINED BY DIMENSIONS ON THE

24. DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.

25. Contractor shall coordinate the delivery and storage of equipment with equipment supplier and take measures to ensure the protection of EQUIPMENT FROM DAMAGE DURING THE CONSTRUCTION PHASE PRIOR TO AND AFTER EQUIPMENT INSTALLATION.

26. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES IN THE FIELD AND PROVIDE ADDITIONAL UTILITY SERVICE AS REQUIRED TO MEET THE SCOPE AND INTENT OF THE

27. ALL JOINTS AND OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED IN ACCORDANCE WITH THE BUILDING CODE AND ENERGY CODE.

28. PROVIDE FIRE EXTINGUISHERS PER APPLICABLE CODES. VERIFY FINAL LOCATION WITH A.H.J.

29. CONTRACTOR SHALL REVIEW THE DIMENSIONS OF ALL EQUIPMENT IN THE PROJECT REGARDLESS OF THE SOURCE AND COORDINATE ACCESS TO THE SPACE AND VERIFY CLEAR FLOOR SPACE IS PROVIDED AS REQUIRED TO ENSURE EASE OF INSTALLATION. CONTRACTOR SHALL COORDINATE THE REQUIREMENTS OF ANY AND ALL DRAWINGS INCLUDING ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING, ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND

30. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONTRACTORS AND VENDORS FURNISHING LABOR, MATERIALS, ETC. ON THE PROJECT TO ENSURE THE WORK AS A WHOLE SHALL BE EXECUTED AND COMPLETED WITHOUT CONFLICT OR DELAY.

31. PROVIDE SILICONE SEALANT AT ALL JOINTS AND INTERFACES OF ALL COUNTERTOPS, EQUIPMENT, BOOTHS, WALLS, ETC.

32. PROVIDE AND INSTALL ALL NECESSARY INWALL FRAMING REQUIRED TO CARRY SHELF, HANGING, AND VALANCE LOADS, RAILINGS, ETC. AS PER PLANS.

TEAM DIRECTORY:

OWNER: SWP XII, LLC 7200 W 132ND ST. SUITE 150 OVERLAND PARK, 66213

KANSAS CITY, MO 64108

T: 816.421.8282

STRUCTURAL: WALLACE DESIGN COLLECTIVE, PC 1703 WYANDOTTE ST. SUITE 200

ARCHITECT: KLOVER ARCHITECTS, INC 8813 PENROSE LN. SUITE 400 LENEXA, KS 66219 T: 913.649.8181

SM ENGINEERING 5507 HIGH MEADOW CIRCLE MANHATTAN, KS 66503 T: 785.341.9747

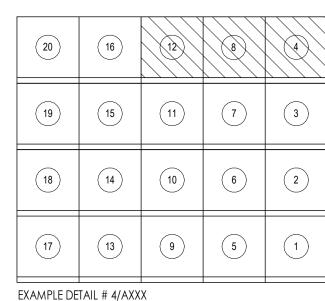
ENGINEERED BUILDING SOLUTIONS, LL P.O. BOX 11101 OVERLAND PARK, KS 66207 T: 913.735.5654

LANDSCAPE: **SM ENGINEERING** 5507 HIGH MEADOW CIRCLE MANHATTAN, KS 66503 T: 785.341.9747

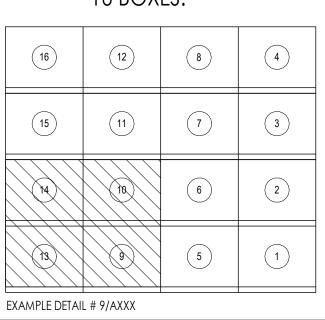
SHEET NUMBERING SYSTEM:

NOTE: DETAIL NUMBERS ARE DETERMINED BY THE BOTTOM RIGHT HAND BOX, PLEASE SEE SAMPLES ABOVE FOR DETERMINING DETAIL NUMBERS

20 BOXES:



16 BOXES:



LOT 12 OF WEST PRYOR

NW PRYOR RD AND HIGHWAY 470 LEE'S SUMMIT, MO 64081



2018 INTERNATIONAL FIRE CODE

BUT ARE NOT LIMITED TO THE PREVISOUS MENTIONED.

APPLICABLE CODES: ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE

PROVISIONS OF THE SPECIFICATIONS AND DRAWINGS, AND SHALL SATISFY ALL APPLICABLE

CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNING BODIES INVOLVED. ALL

PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR INVOLVED. APPLICALBE CODES INCLUDE

ICC/ANSI A 11.1-2009

DEFERRED SUBMITTALS: 4-WAY ELEVATION TAG NORTH ARROW INDICATOR FIRE SPRINKLER FIRE ALARM TRUSS DESIGN X DRAWING KEYNOTE TAG Х OCCUPANY TYPE: A-2 RESTAURANT WALL TYPE TAG **ELEVATION TAG** CONSTRUCTION TYPE: V-B SPRINKLERED PROPOSED NUMBER OF FLOORS AND BUILDING HEIGHT: 1 STORY, 27'-6" $\langle \chi \rangle$ ALLOWED NUMBER OF FLOORS AND BUILDING HEIGHT: 2 STORIES, 60' DOOR TAG PROPOSED BUILDING AREA: 11, 932 SQ FT COLUMN GRID BUBBLE AND LINE ALLOWED BUILDING AREA: 24,000 SQ FT FINISH NOTE TAG **APPLICABLE CODES** ELEVATION HEIGHT TAG 2018 INTERNATIONAL BUILDING CODE **REVISION TAG** DETAIL BOX TAG 2017 NATIONAL ELECTRICAL CODE 2018 INTERNATIONAL MECHANICAL CODE WINDOW TAG 2018 UNIFORM PLUMBING CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE

EVIATIONS

SHEET # ----

STANDARD DRAWING SYMBOLS:

	<u>STANDA</u>	RC	<u> ABBRE</u>
AFF	Above Finished Floor	FBO	Furnished by Others
ACT	Acoustical Ceiling Tile	FD	Floor Drain
ACOUST	Acoustical	FE	Fire Extinguisher
ADJ	Adjustable	FEC	Fire Extinguisher & Cabinet
AHJ	Authority Having Jurisdiction	FFE	Furniture, Fixtures & Equipment
ALUM	Aluminum	FIN	Finish
AMB	Air-moisture barrier	FLUOR	Fluorescent
ANC	Anchor	FLR	Floor
ANOD	Anodized	FRP	Fiberglass Reinforced Plastic
ARCH	Architect(ural)	FRT	Fire Retardant Treated
ASS'Y	Assembly	FS	Floor Sink
BD	Board	FSE	Food Service Equipment
BFG	Below Finished Grade	FT	Feet
BFF	Below Finished Floor	FV	Field Verify
BLDG	Building	GA	Gauge
BLK'G	Blocking	GALV	Galvanized
BM	Beam	GC	General Contractor
BOT	Bottom	GL	Glass
BRG	Bearing		Gypsum Board
BS	Both Sides	HC	Hollow Core
BTWN	Between	HM	Hollow Metal
CAB	Cabinet	HT	Height
CJ	Control Joint	HDWD	Hardwood
CL	Center Line	HR	Hour
CLG	Ceiling	HVAC	Heating, Ventilation & Air Con
CLO	Closet		
CLR	Clear	IN	Inch
CMU	Concrete Masonry Unit	INSUL	Insulation, Insulate
COL	Column	INT	Interior
CONC	Concrete	JST	Joist
CONT	Continuous	LAM	Laminated
	Construction, Construct	LAV	Lavatory
CT	Ceramic Tile	LLH	Long Leg Horizontal
DBL	Double	LLV	Long Leg Vertical
DEMO	Demolition		Manufacturer
DIA	Diameter	MAX	Maximum

DEMOLITION TAG

SECTION CUT TAG

X'-X''

Door

DWG Drawing

ELEC Electrical

ELEV Elevator

EQUIP Equipment

EW Each Way

EXIST Existing

EXP

Downspout

Exhaust Fan Expansion Joint

Elevation

EWC Electric Water Cooler

Expansion

Exterior

FBD Fiber Board

EIFS Exterior Insulation & Finish System

CEILING MATERIAL AND HEIGHT TAG

MECH Mechanical Mechanical, Electrical, & Plumbing

Not In Contract Not To Scale On Center Outside Diameter OFCI Owner Furnished, Contractor Installed OH Opposite Hand OPNG Opening

OPT Optional

OTS Open to Structure PAF Powder Actuated Fasteners PBD Particle Board PL Plate PLAM Plastic Laminate PLYWD Plywood PLUMB Plumbing

`_____

ROOM NAME AND NUMBER TAG

PNL Panel PREP Preparation PREFIN Prefinished Quarry Tile Quantity Return Air Radius Reflected Ceiling Plan REF Reference RECPT Receptacle REFL Reflected, Reflecting REINF Reinforced, Reinforcing

RELOC Relocate REQ'D Required REV Revision, Reversed RO Rough Opening Roof Top Unit Solid Core Sauare Foot SHT Sheet SHTH Sheathing SS Stainless Steel SCHED Schedule SM Sheet Metal

STRUCT Structural To be determined Top and Bottom Typical Vinyl Composition Tile VWC Vinyl Wall Coverin UNO Unless Noted Otherwise W/O Without Water Closet

Waterproofing or Waterproof

WDW Window

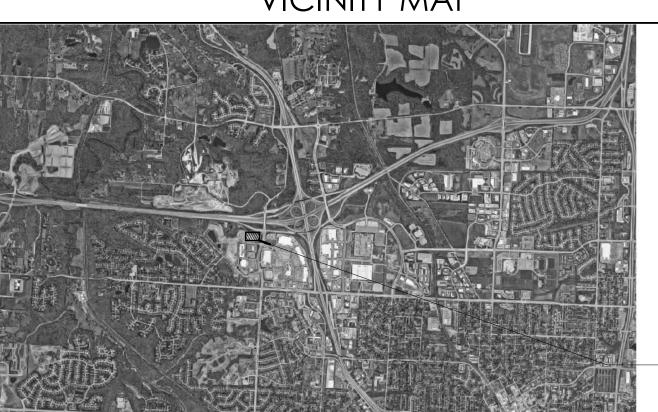
WSCT Wainscot

WWF Welded Wire Fabric

WT Weight

VICINITY MAP

CODE INFORMATION



- SITE LOCATION

LOCATION MAP



BUILDING LOCATION

GENERAL ACCESSABILITY 002 INTERIOR ACCESSABILITY 100 CODE PLAN CIVIL C1.0 COVER SHEET WATERLINE A PLAN & PROFILE C7.0 GRADING PLAN **EROSION CONTROL PLAN** C9.0 EROSION CONTROL DETAILS 13.0 DETAILS C14.0 LANDSCAPE PLAN ARCHITECTURAL SITE

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150	ENLARGED PLANS AND DETAILS				
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201	EXTERIOR ELEVATIONS	1/10/23	Х		
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02	GENERAL NOTES		
03	STRUCTURAL SPECIAL INSPECTIONS		
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project number

drawing issuance

drawing revisions

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an integrated set of Construction Documents. General and upplementary Conditions of the Contract, General Requirements pecifications and other Drawings may affect the Work described.

ailure to review and integrate the design intent of the whole of the

Construction Documents does not relieve the Contractor from

providing a complete Project. COMPLY WITH all laws, codes,

rdinances and regulations with authorities having jurisdiction and

with requirements of the Landlord, if applicable. Do not start Work

until all permits and required approvals are obtained. VERIFY ACTUAL

CONDITIONS and dimensions prior to construction. Commencement

of work constitutes verification and acceptance of all existing

installed by others constitutes acceptance of that Work, and

assumption of responsibility for satisfactory installation, DIMENSIONS

SHOWN are to finish face of a material unless otherwise indicated.

CALCULATE & MEASURE dimensions - DO NOT SCALE drawings unless

project title

conditions. Application of a material or equipment item to Work

tended for use only on this project. All Drawings, Specifications,

professional sec



DATE SIGNED: 1/10/2023 4:03:00 PM drawing title

CODE ANALYSIS

BUILDING DATA
OCCUPANY TYPE:

A-2 RESTAURANT CONSTRUCTION TYPE: V-B SPRINKLERED

PROPOSED NUMBER OF FLOORS AND BUILDING HEIGHT: 1 STORY, 27'-6" ALLOWED NUMBER OF FLOORS AND BUILDING HEIGHT: 2 STORIES, 60' PROPOSED BUILDING AREA: 11, 932 SQ FT ALLOWED BUILDING AREA: 24,000 SQ FT

APPLICABLE CODES

ICC/ANSI A 11.1-2009

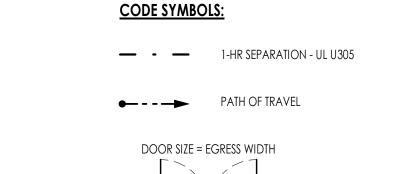
2018 INTERNATIONAL BUILDING CODE 2017 NATIONAL ELECTRICAL CODE 2018 INTERNATIONAL MECHANICAL CODE

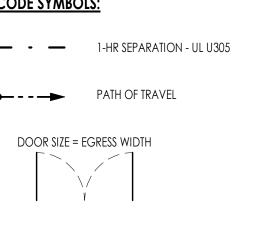
2018 UNIFORM PLUMBING CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2018 INTERNATIONAL FIRE CODE

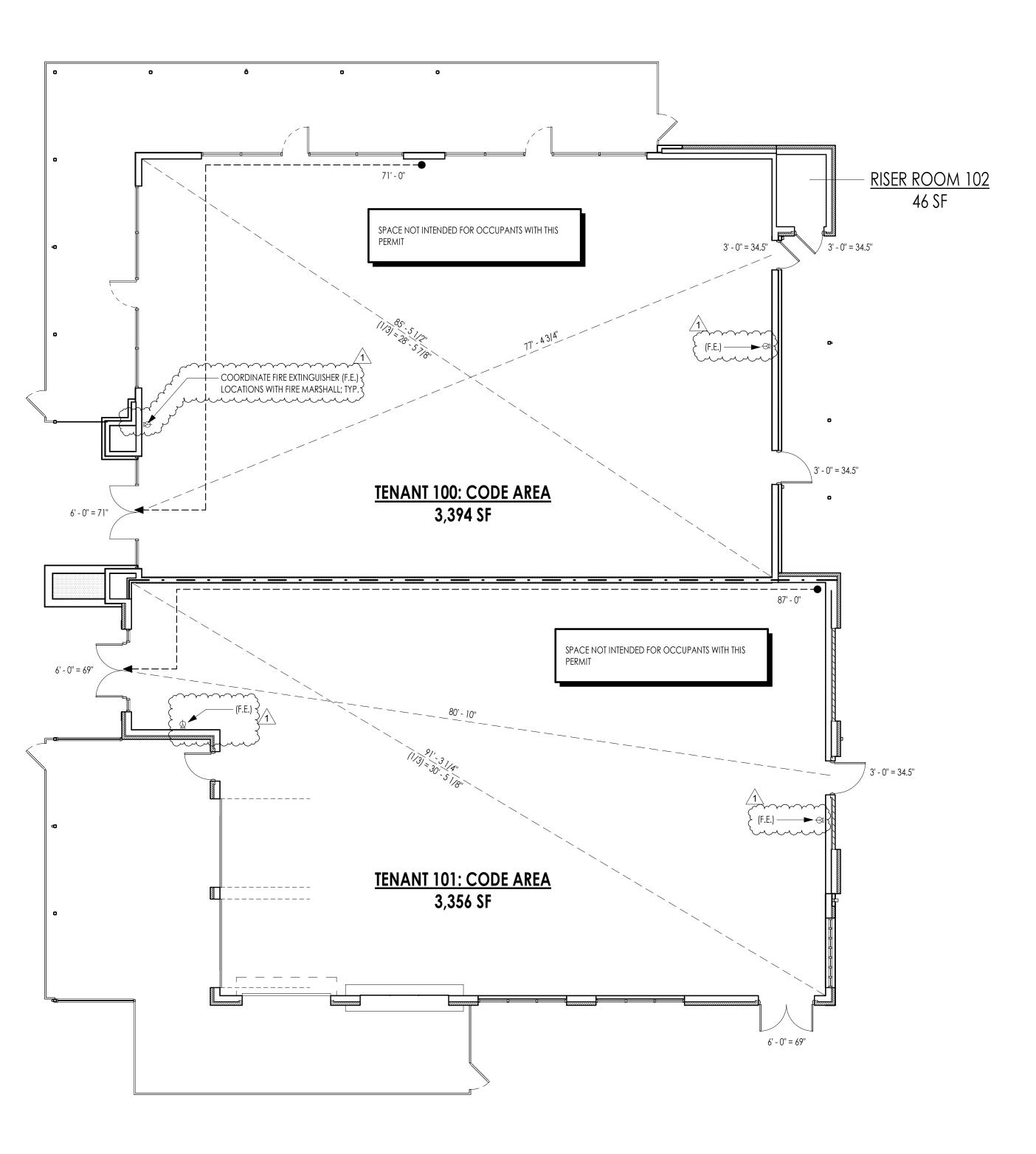
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EGRESS CALCULATIONS								
DOOM NAME OCCUPAN	OCCUPANCY TYPE	ADEA / IDC LOAD FACTOR	OCCUPANTS	CODE DESCRIPTION		EXITS	EGRI	ESS WIDTH
ROOM NAME	OCCUPANCITIFE	AREA / IBC LOAD FACTOR	OCCUPANIS	CODE DESCRIPTION	REQ'D	PROVIDED	REQ'D	PROVIDE
TENANT 100	N/A	3,394 / N/A	N/A	2 EXITS REQ'D. PER IBC SECTION 1006.3.2	2	3	N/A	140"
TENANT 101	N/A	3,356 / N/A	N/A	2 EXITS REQ'D. PER IBC SECTION 1006.3.2	2	3	N/A	172.5"
RISER ROOM 102	N/A	46 / N/A	N/A	1 EXIT REQ'D.	1	1	N/A	34.5"

^{*} ACCURATE LOAD CALCULATIONS TO BE DONE AT TIME OF TENANT IMPROVEMENT DRAWINGS







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project title

project number

drawing issuance

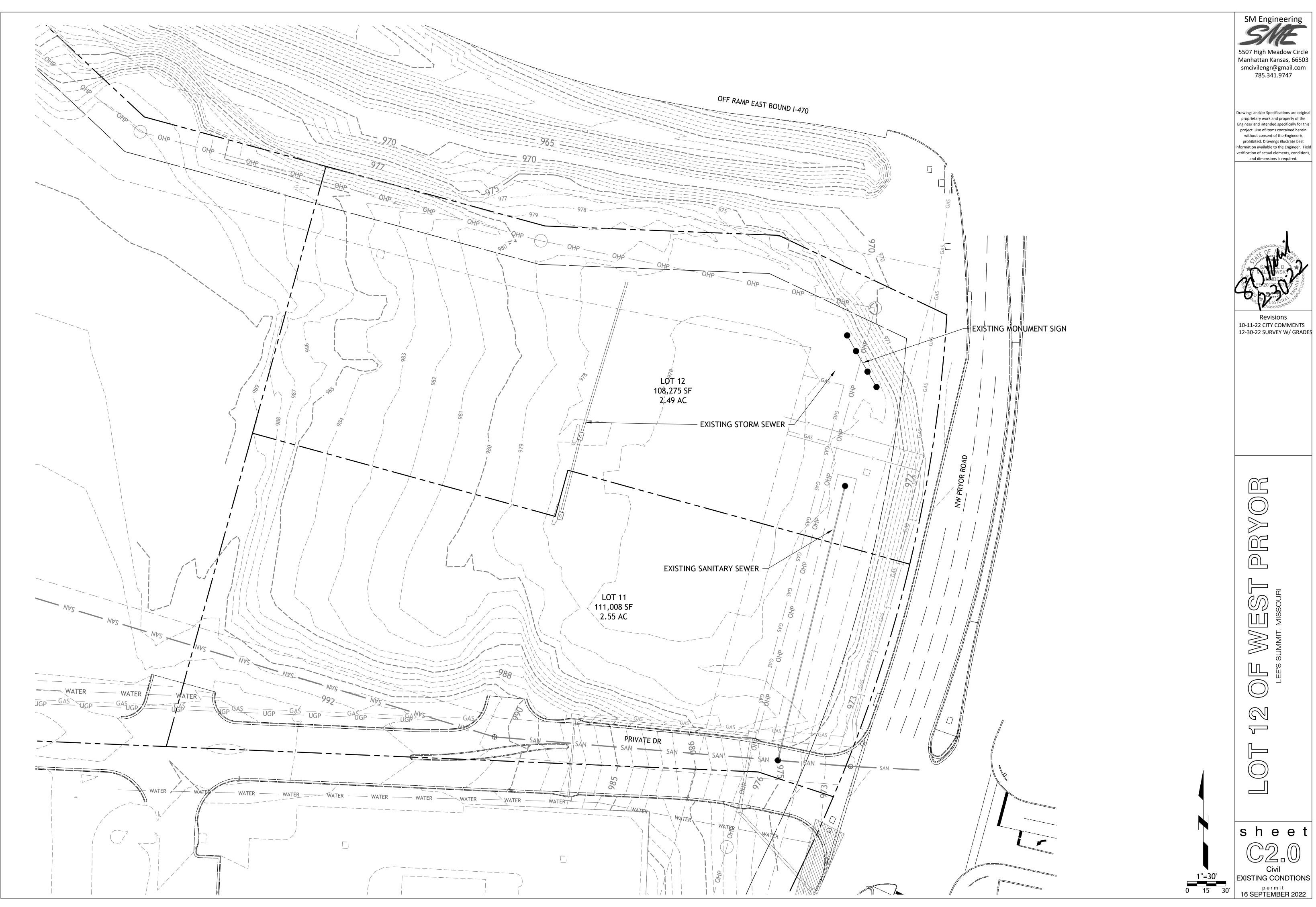
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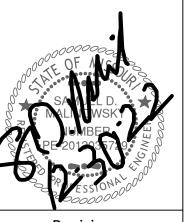
professional seal

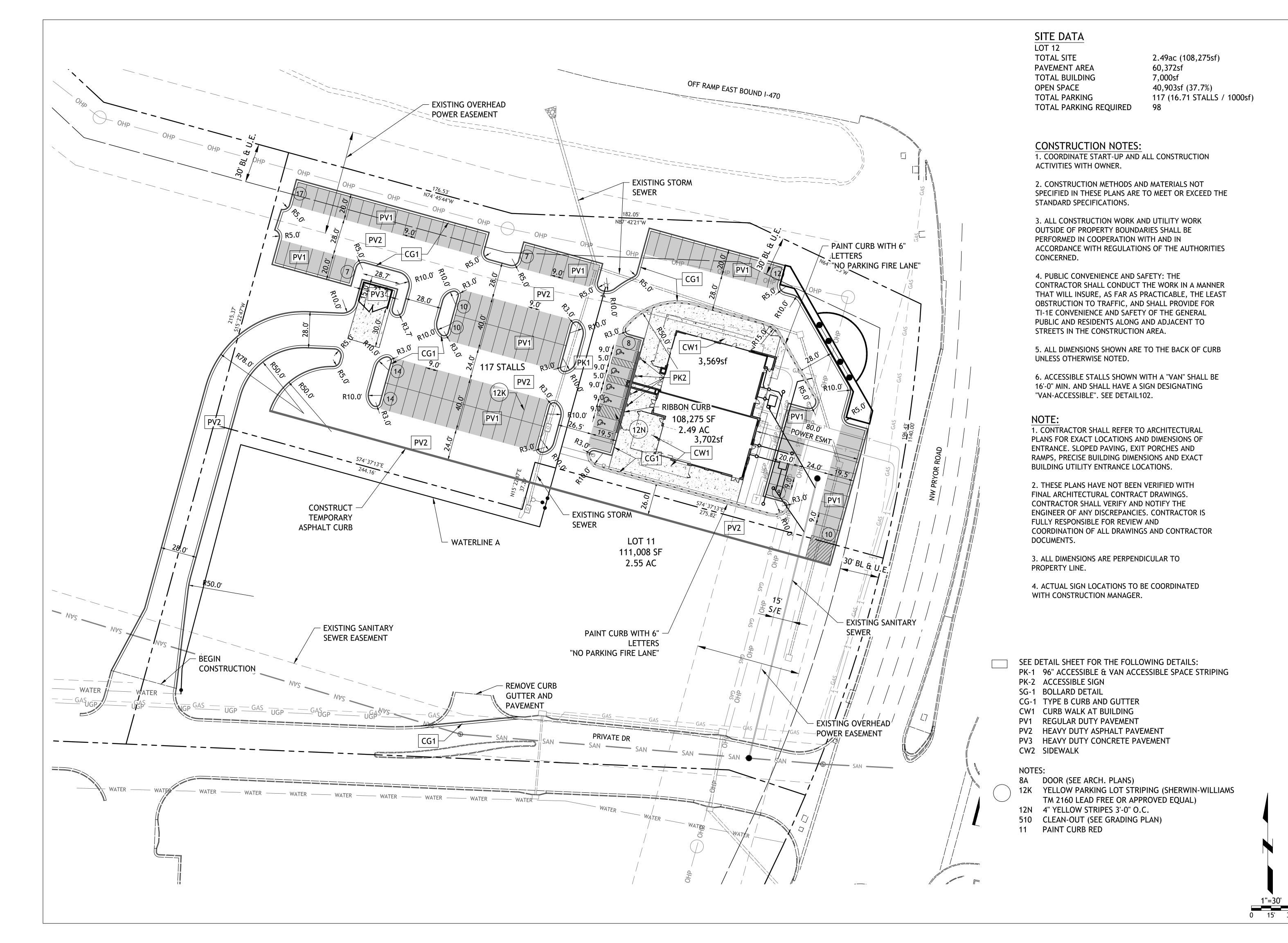


drawing title



Manhattan Kansas, 66503 smcivilengr@gmail.com 785.341.9747

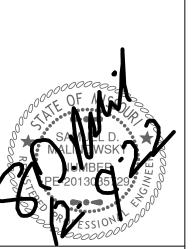




SM Engineering

5507 High Meadow Circle Manhattan Kansas, 66503 smcivilengr@gmail.com 785.341.9747

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Revisions 10-11-22 CITY COMMENTS

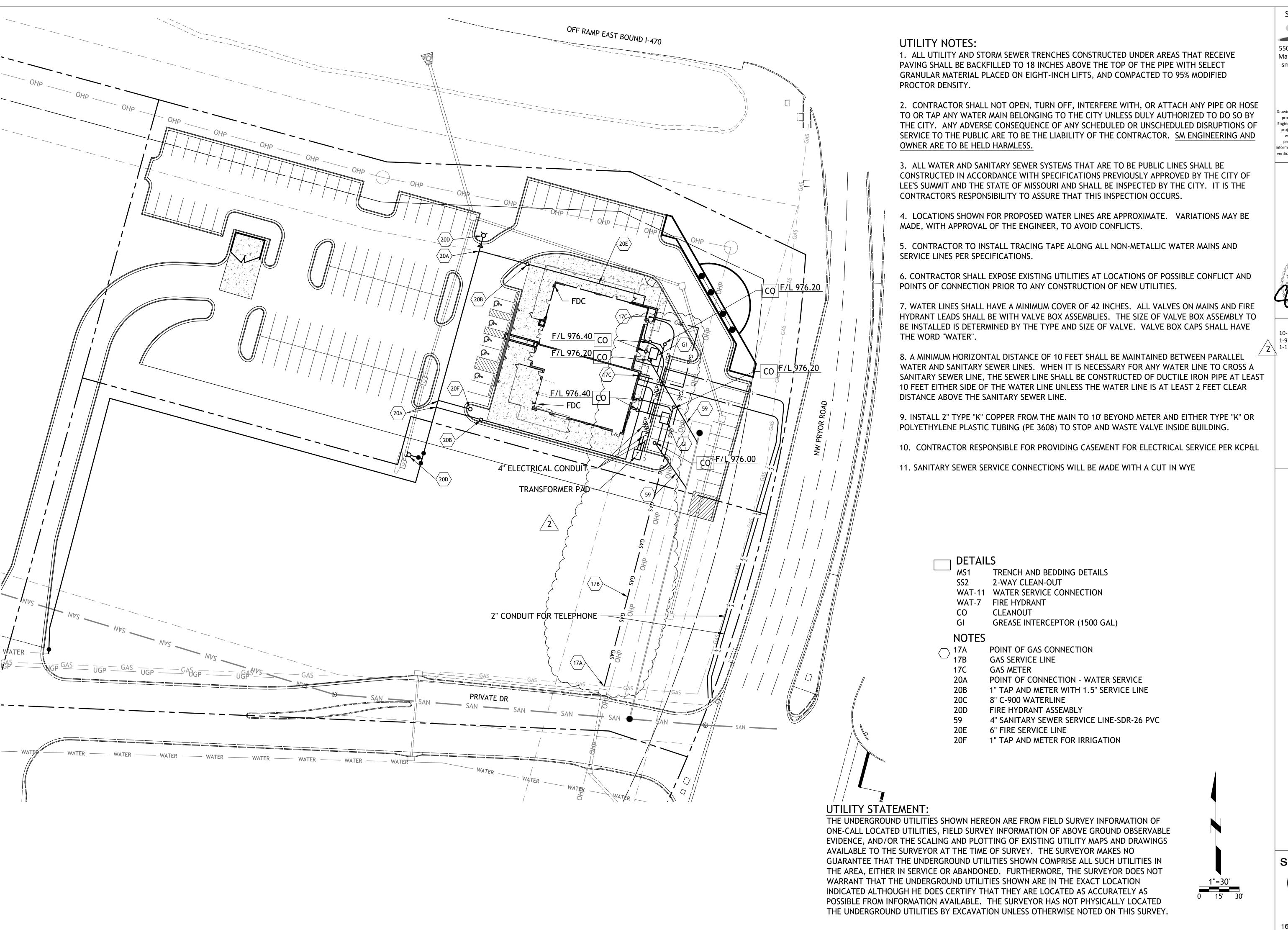
37 PRVOR

2 OF WESOURI

shee

SITE PLAN

permit 16 SEPTEMBER 2022



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Manhattan Kansas, 66503 smcivilengr@gmail.com 785.341.9747

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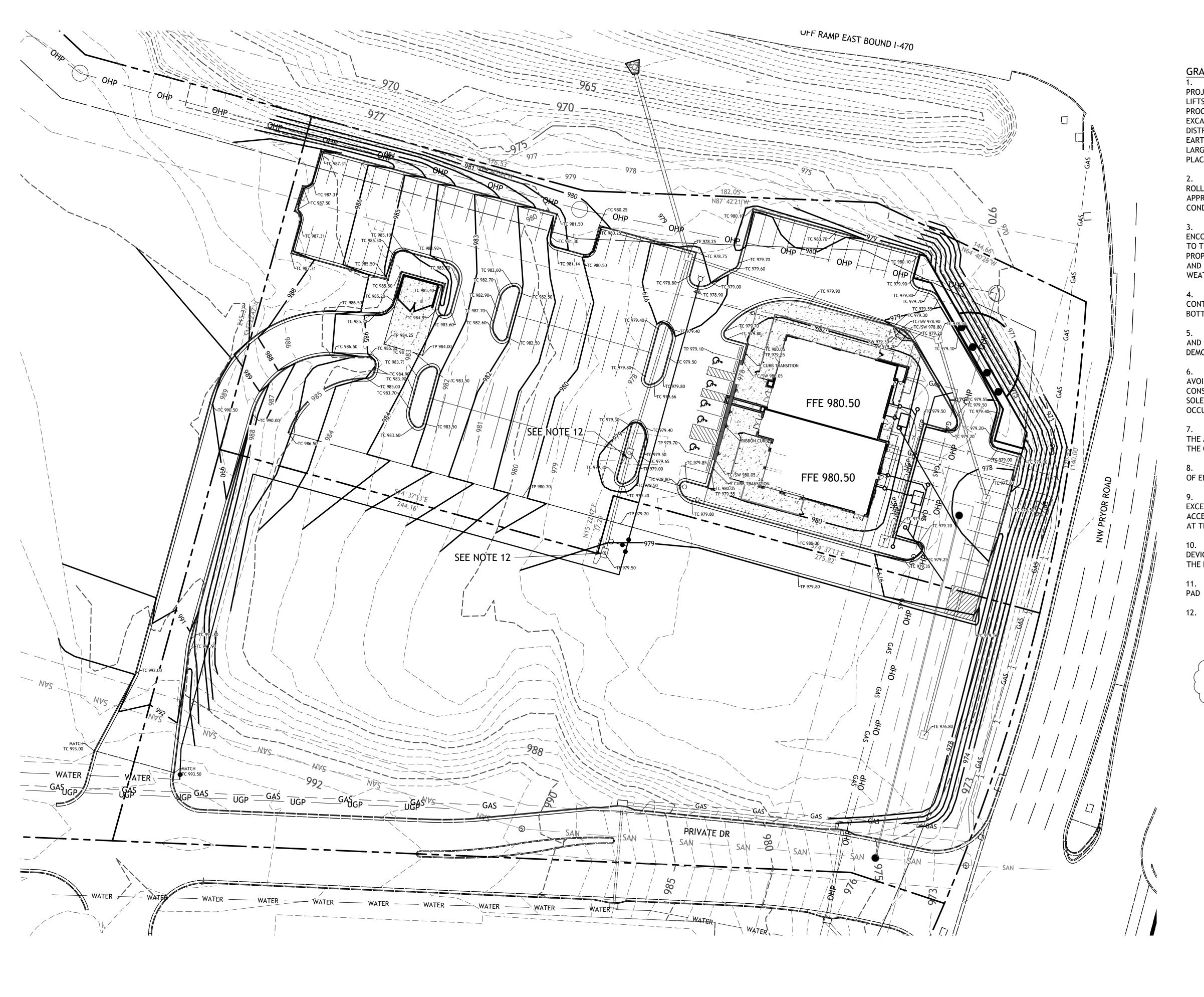


Revisions 10-11-22 CITY COMMENTS 1-9-23 SURVEY W/ GRADES

1-11-23 GAS SERVICE LINE

shee

UTILITY PLAN permit 16 SEPTEMBER 2022



GRADING NOTES:

1. EARTHWORK UNDER THE BUILDING SHALL COMPLY WITH THE PROJECT ARCHITECTURAL PLANS. OTHER FILL MATERIAL SHALL BE MADE IN LIFTS NOT TO EXCEED EIGHT INCHES DEPTH COMPACTED TO 95% STANDARD PROCTOR DENSITY. FILL MATERIAL MAY INCLUDE ROCK FROM ON-SITE EXCAVATION IF CAREFULLY PLACED SO THAT LARGE STONES ARE WELL DISTRIBUTED AND VOIDS ARE COMPLETELY FILLED WITH SMALLER STONES, EARTH, SAND OR GRAVEL TO FURNISH A SOLID EMBANKMENT. NO ROCK LARGER THAN THREE INCHES IN ANY DIMENSION NOR ANY SHALE SHALL BE PLACED IN THE TOP 12 INCHES OF EMBANKMENT.

- 2. AREAS THAT ARE TO BE CUT TO SUBGRADE LEVELS SHALL BE PROOF ROLLED WITH A MODERATELY HEAVY LOADED DUMP TRUCK OR SIMILAR APPROVED CONSTRUCTION EQUIPMENT TO DETECT UNSUITABLE SOIL CONDITIONS.
- 3. IN ALL AREAS OF EXCAVATION, IF UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED. A QUALIFIED GEOTECHNICAL ENGINEER SHALL RECOMMEND TO THE OWNER THE METHODS OF UNDERCUTTING AND REPLACEMENT OF PROPERLY COMPACTED, APPROVED FILL MATERIAL. ALL PROOF ROLLING AND UNDERCUTTING SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER.
- 4. CONTRACTOR SHALL USE SILT FENCE OR OTHER MEANS OF CONTROLLING EROSION ALONG THE EDGE OF THE PROPERTY OR OTHER BOTTOM OF SLOPE LOCATIONS.
- 5. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS.
- 6. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- 7. IT IS NOT THE DUTY OF THE ENGINEER OR THE OWNER TO REVIEW THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE AT ANY TIME DURING CONSTRUCTION.
- 8. PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE OR TO END OF END SECTIONS.
- 9. HANDICAP STALLS SHALL MEET ADA REQUIREMENTS AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION AT THE BUILDING ENTRY AND ACCESSIBLE PARKING STALLS. SLOPES EXCEEDING 2.0% WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 10. ALL CONSTRUCTION TRAFFIC, TEMPORARY TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHALL CONFORM TO REQUIREMENTS OF THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 11. CONTRACTOR TO PLACE 8" LOW PERMEABILITY LVC FOR BUILDING PAD
- 12. CONTRACTOR TO CONSTRUCT THROATS TO CURB INLETS.

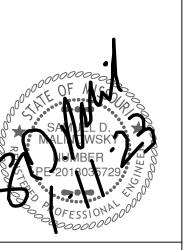


SM Engineering

5507 High Meadow Circle

5507 High Meadow Circle Manhattan Kansas, 66503 smcivilengr@gmail.com 785.341.9747

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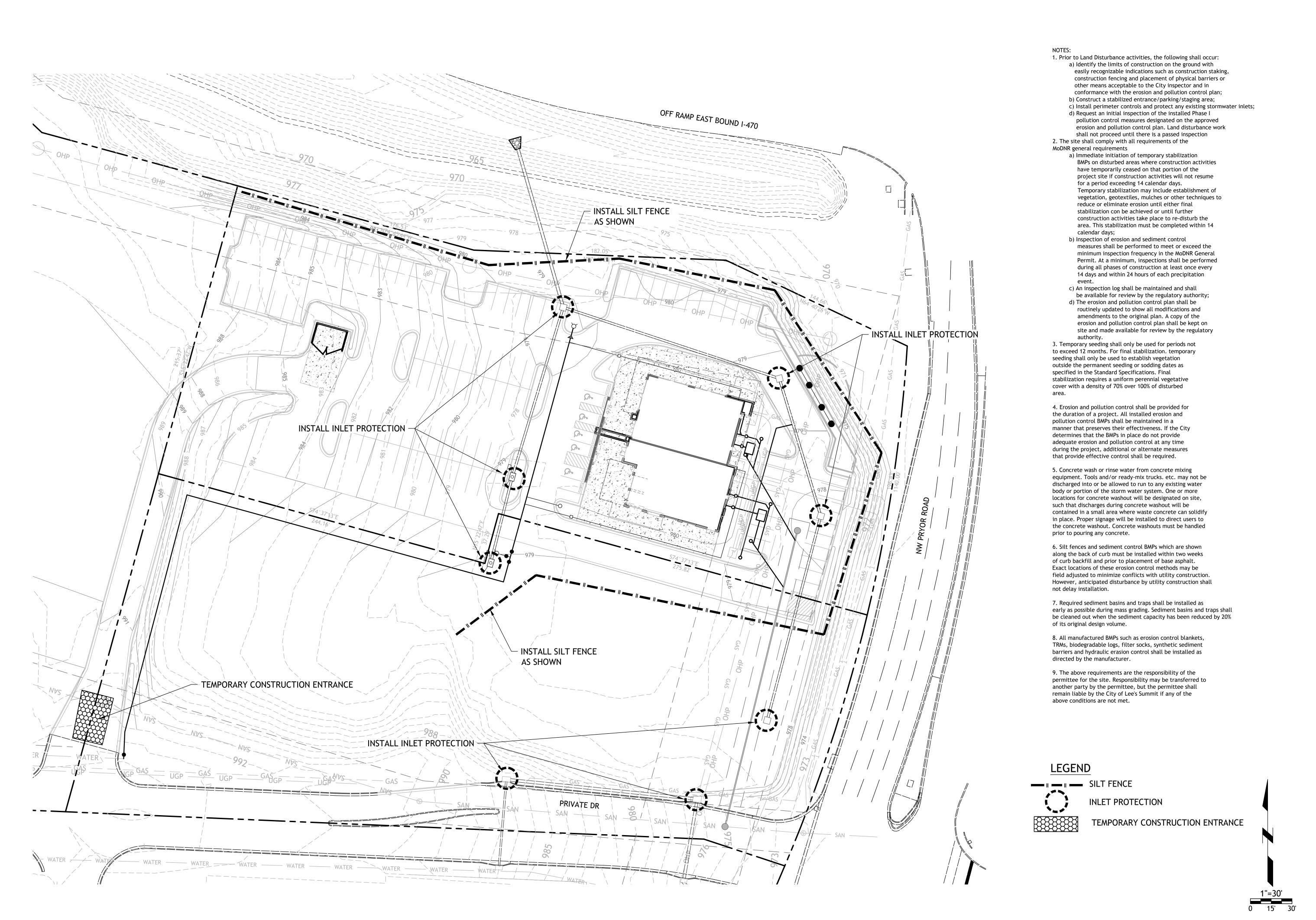
Revisions
10-11-22 CITY COMMENTS
1-9-23 SURVEY W/ GRADES
1-11-23 GAS SERVICE LINE

OKWEST PRYO

1"=30' 0 15' 30' sheet Civil

GRADING PLAN

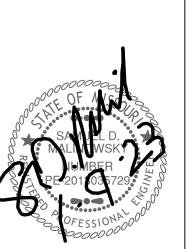
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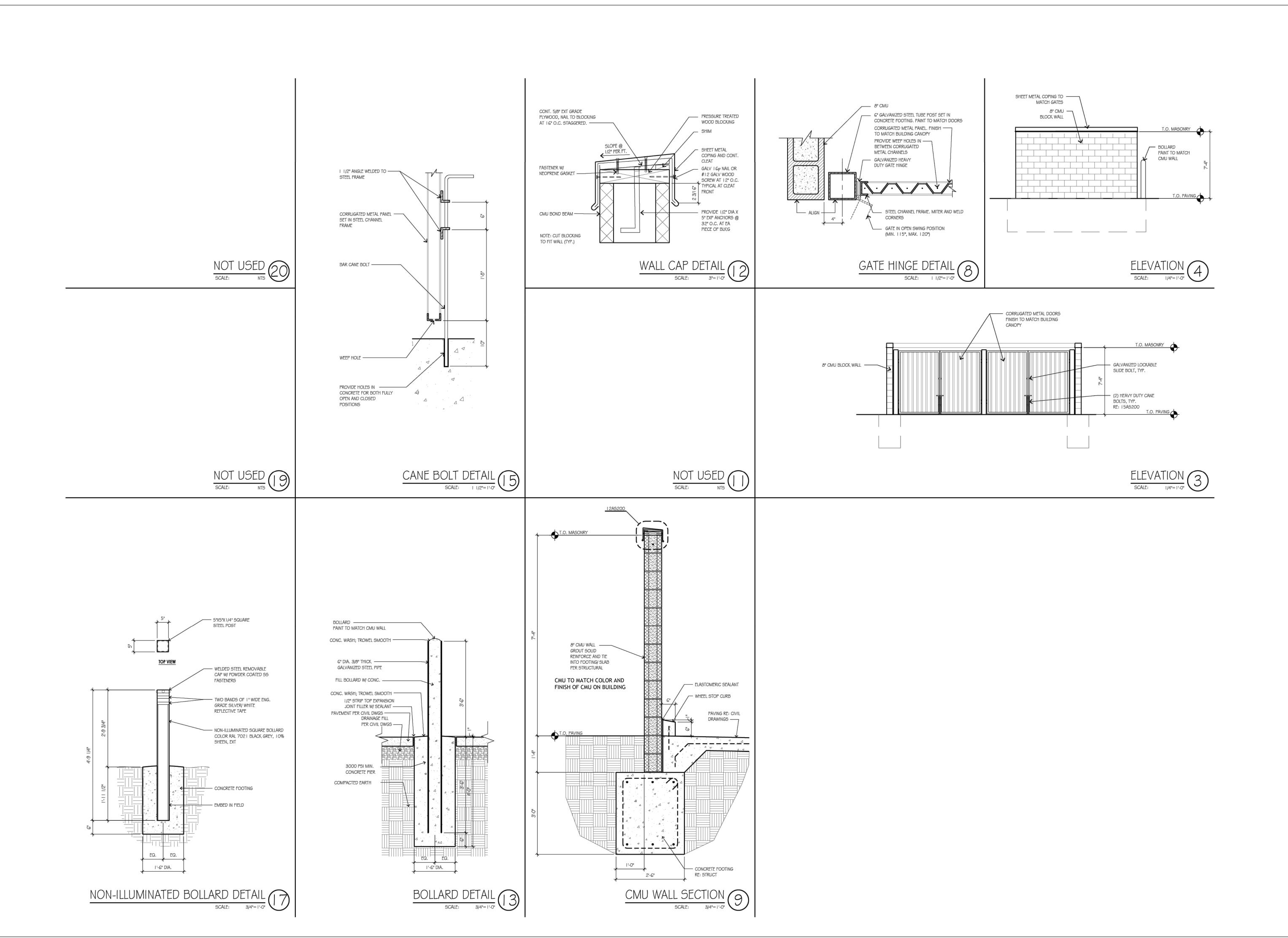
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Revisions 10-11-22 CITY COMMENTS 1-9-23 SURVEY W/ GRADES

s h e e **EROSION CONTROL** PLAN permit

16 SEPTEMBER 2022



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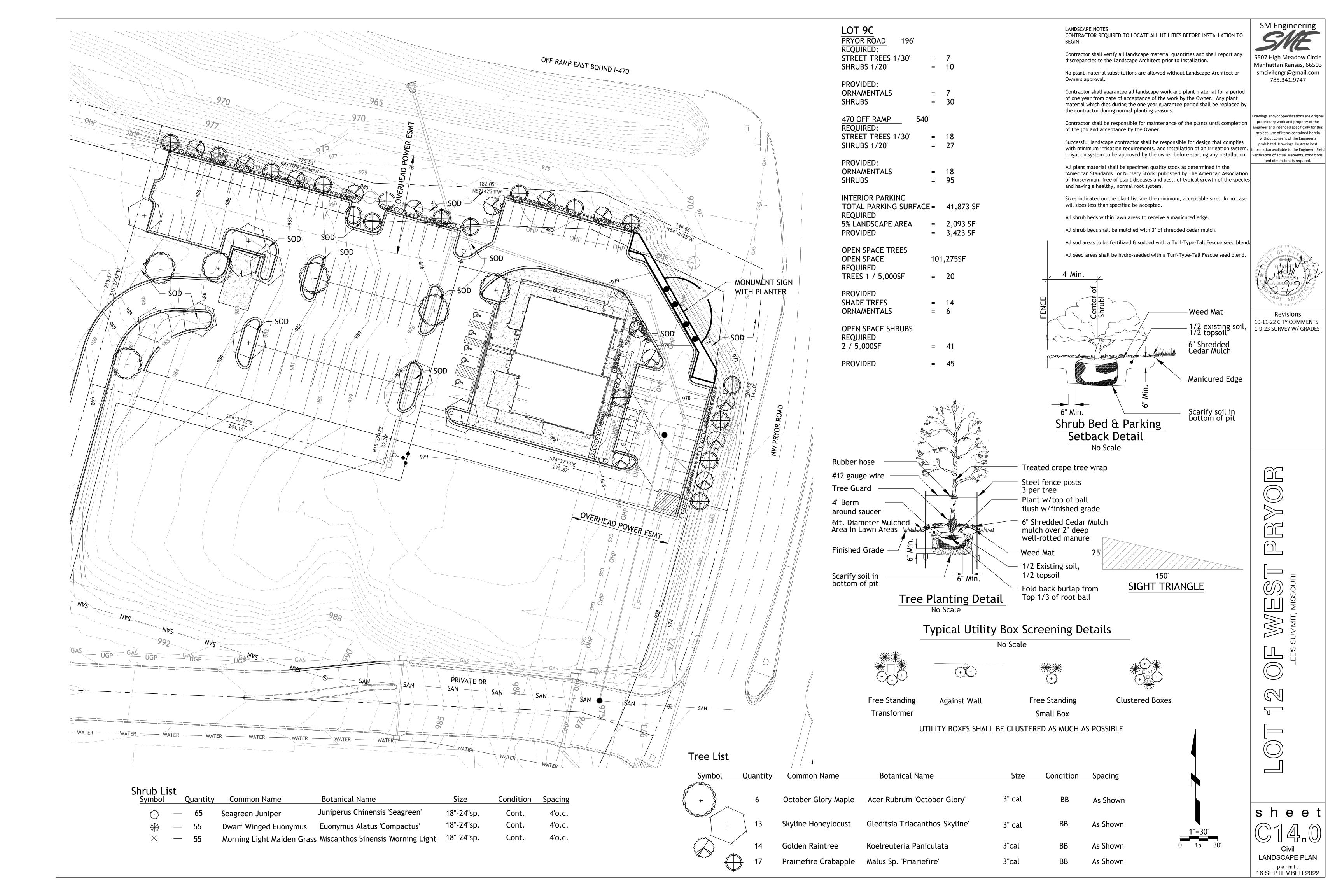
Revisions 10-11-22 CITY COMMENTS

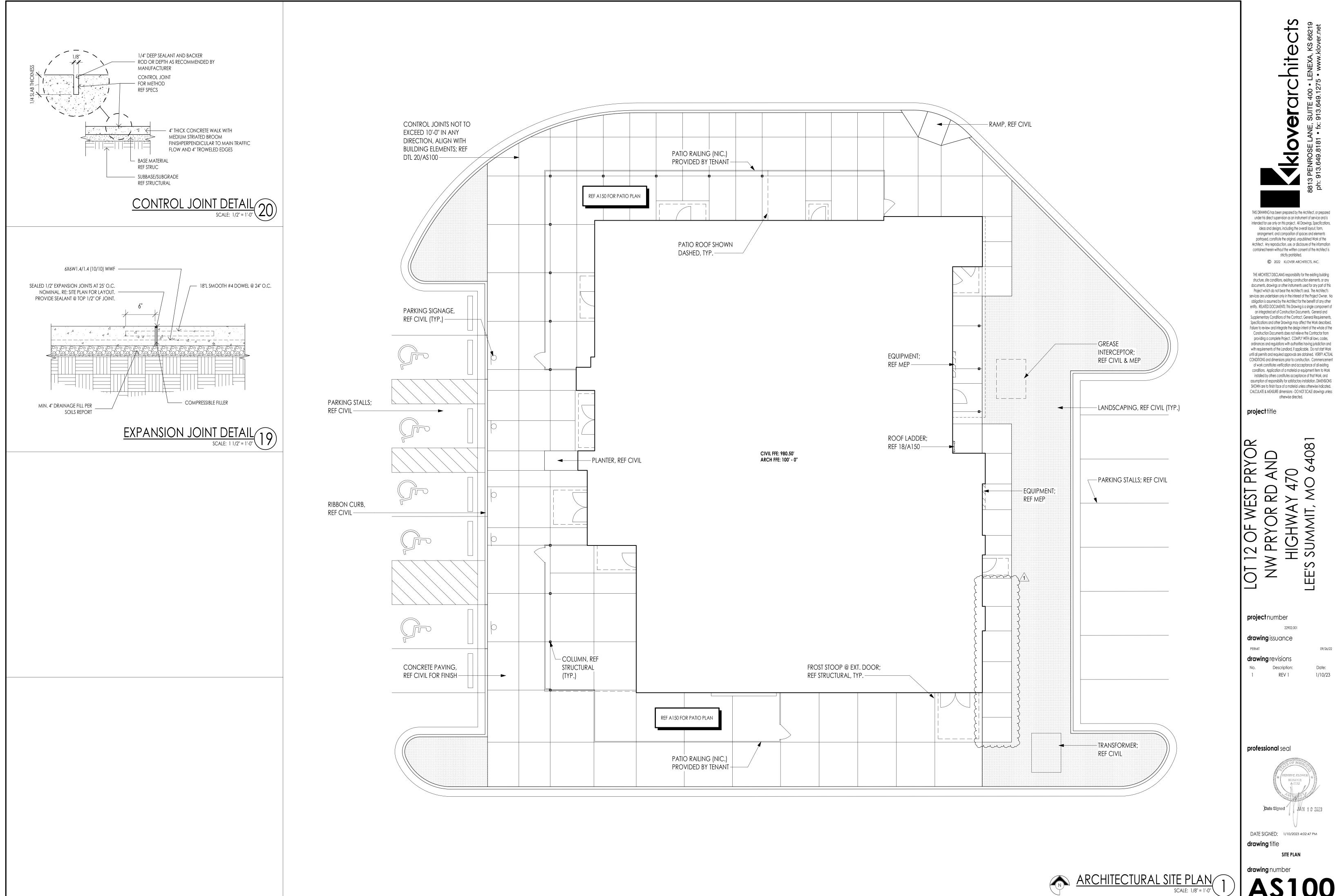
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Civil
DETAILS

permit
16 SEPTEMBER 2022





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project number

drawing issuance

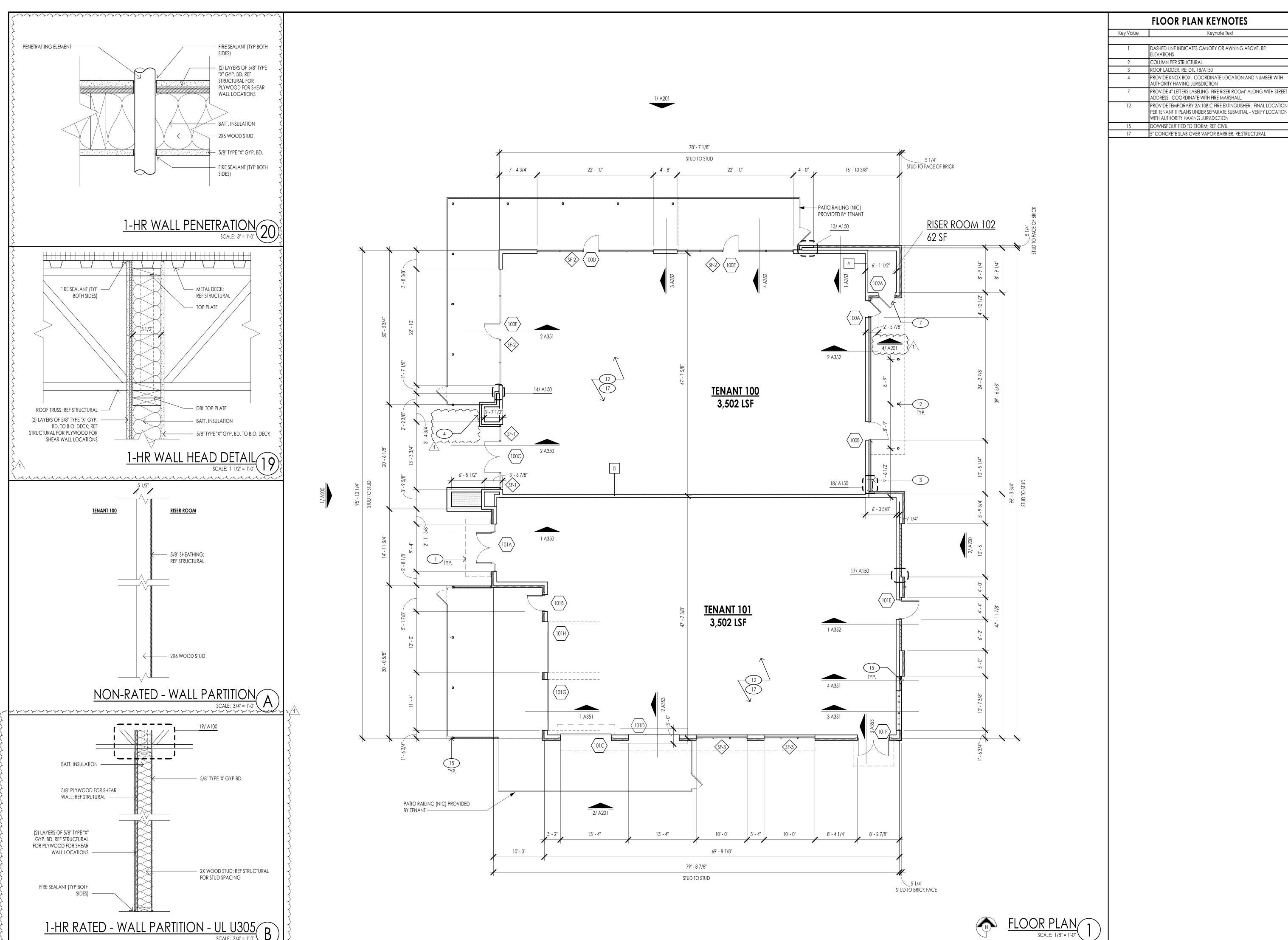
drawing revisions

No. Description:

REV 1

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project title

project number

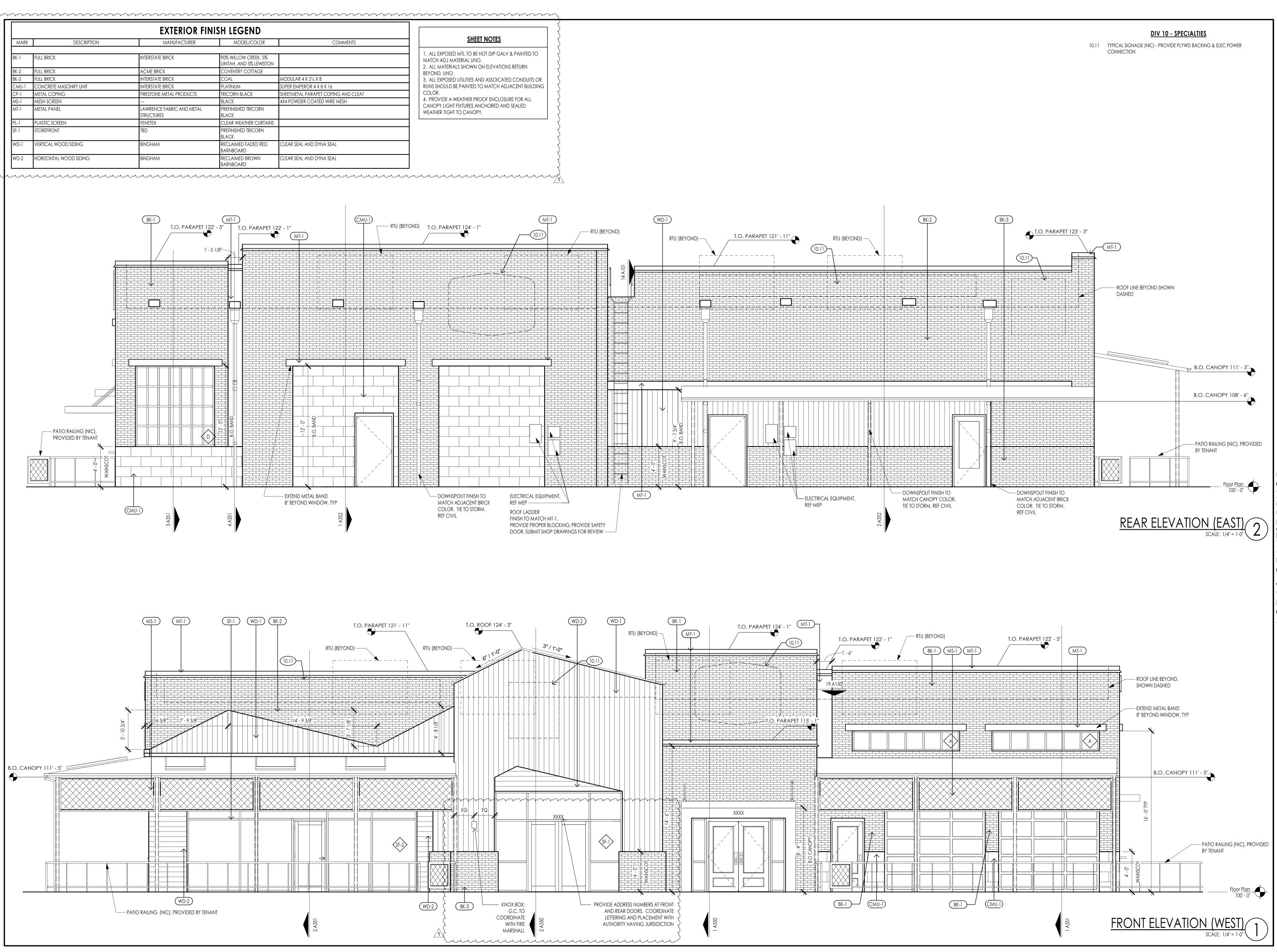
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structure, site conditions, existing construction elements, or any

project title

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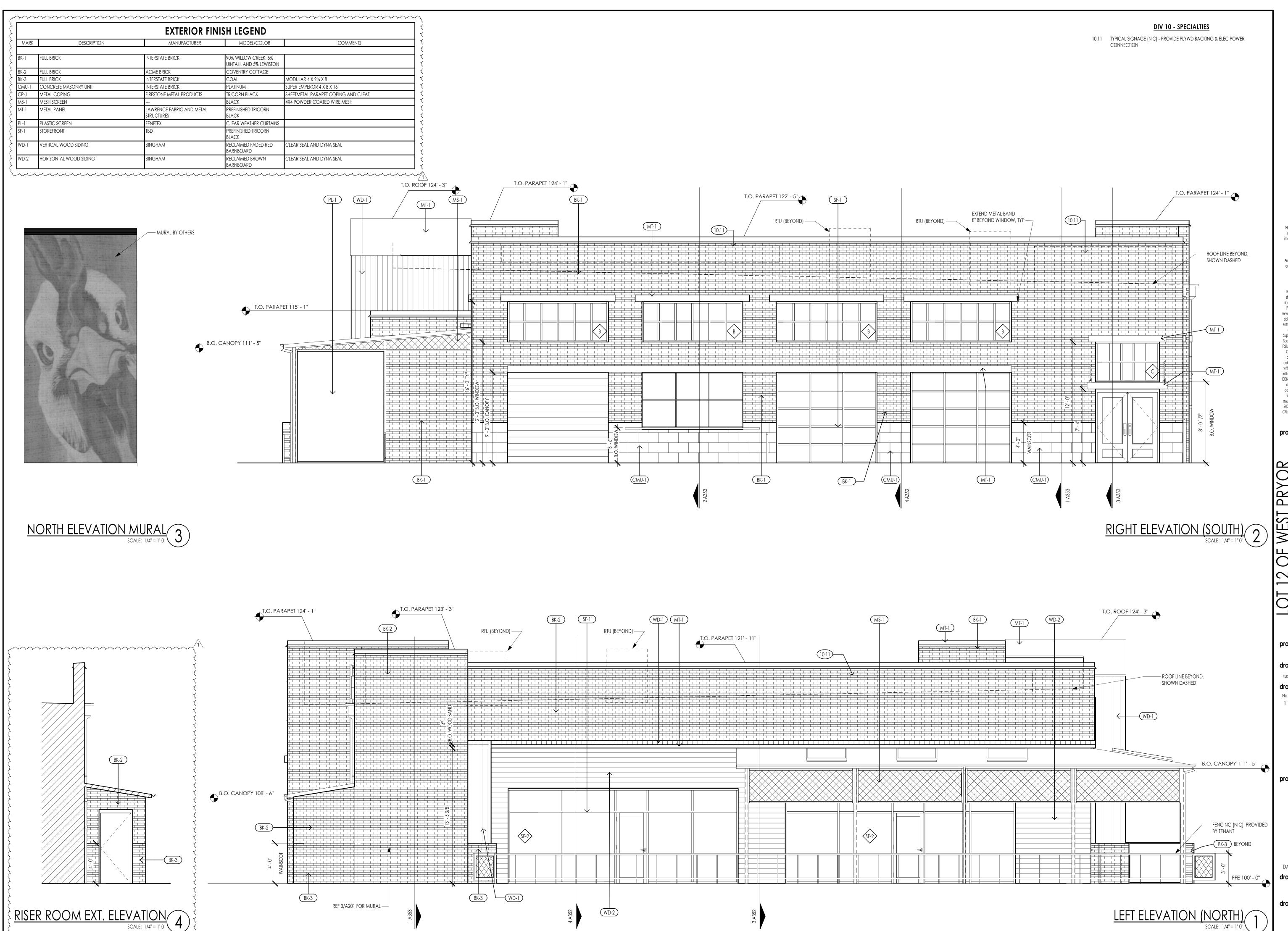
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EXTERIOR ELEVATIONS



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project title

I IZ OF WEST PRYOR IW PRYOR RD AND HIGHWAY 470

project number

drawing issuance
PERMIT
drawing revisions

drawing revisions

No. Description:

1 REV 1

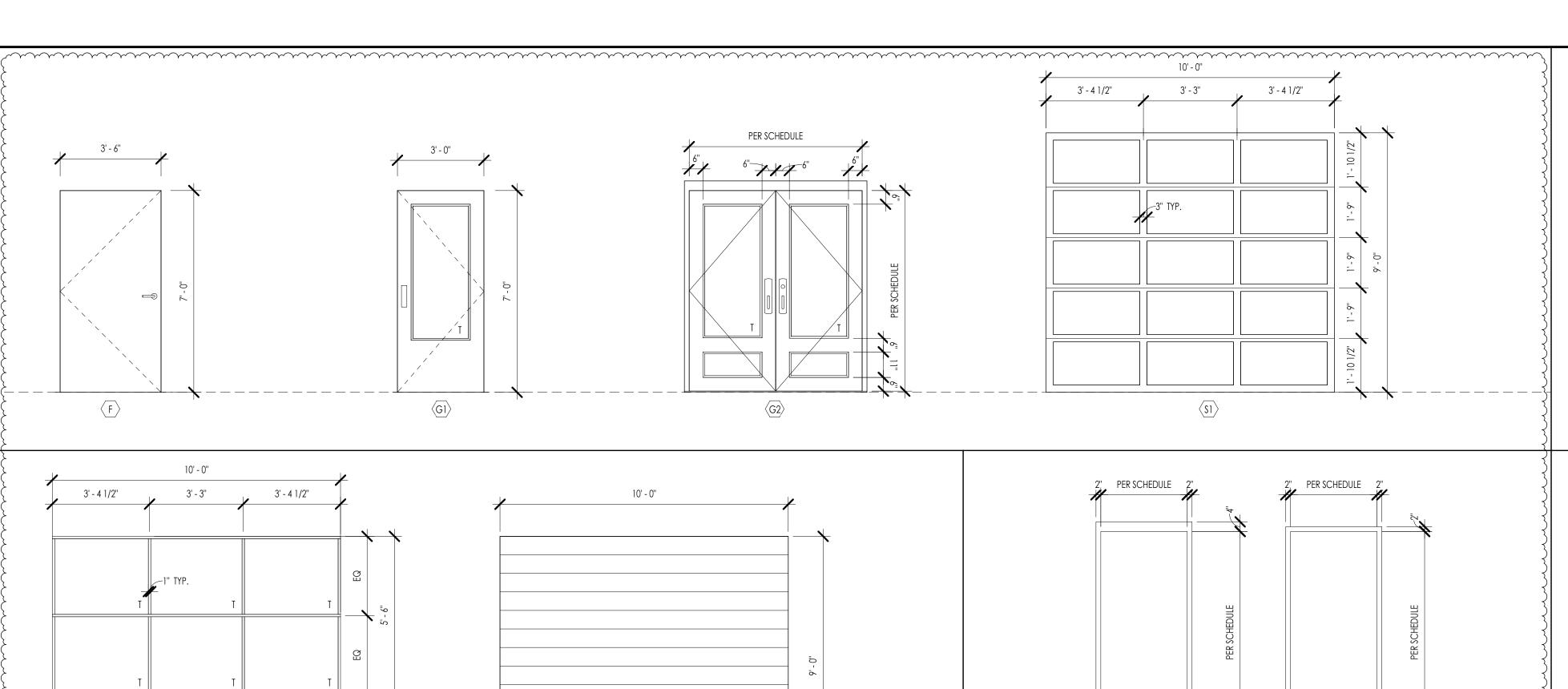
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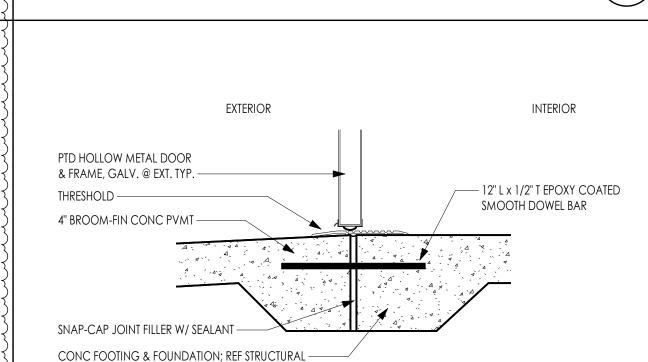


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EXTERIOR ELEVATIONS

A20





OVERHEAD DOOR JAMB

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

SIDEROOM

- @ JAMB CONDITION

PROVIDE (3) JAMB

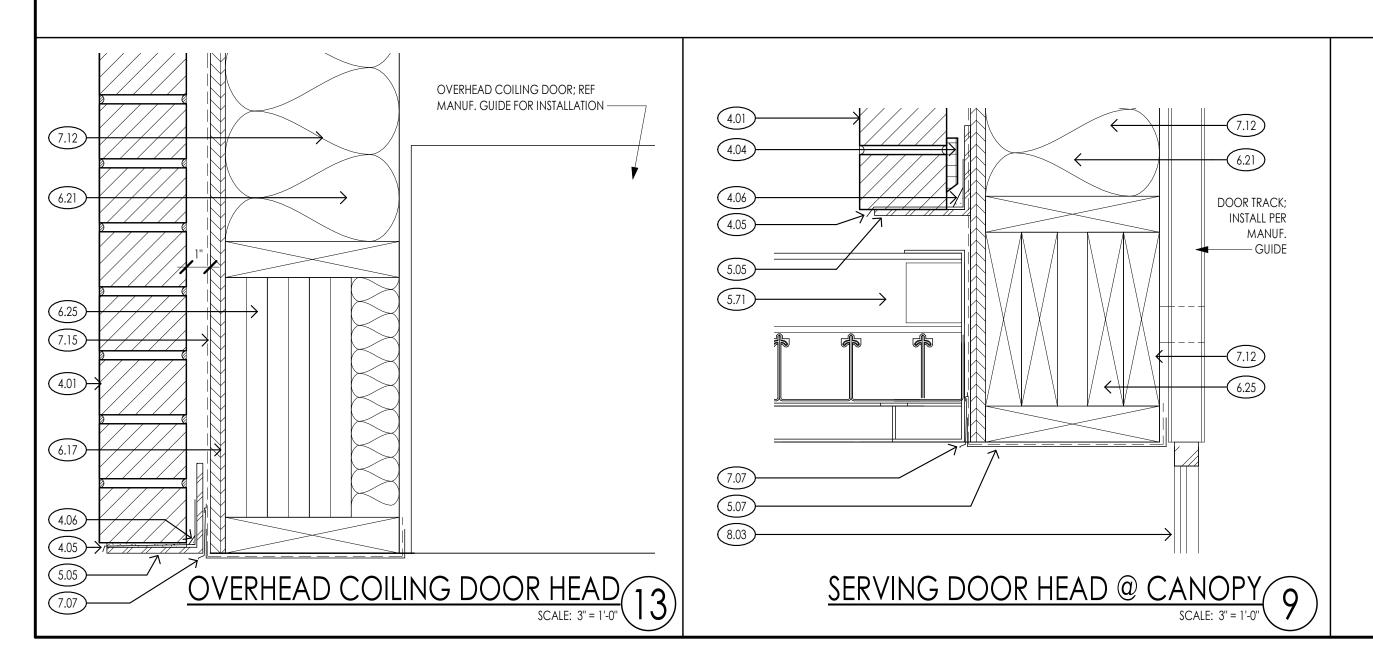
ANCHORS, DO NOT

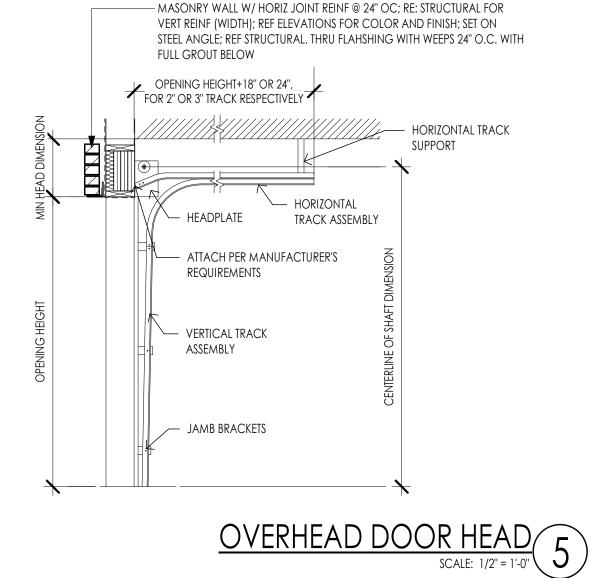
INTERIOR ----

GROUT SOLID

CANOPY @ DOOR AND WINDOW ?

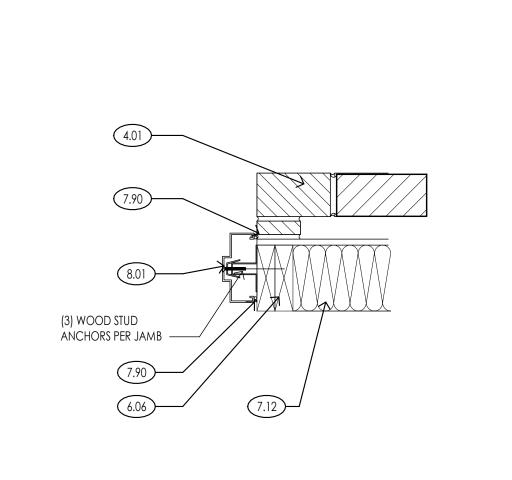
DOOR SCHEDULE FRAME MARK ROOM NAME TYPE MATERIAL COLOR QTY WIDTH HEIGHT GLASS TYPE MATERIAL COLOR HEAD JAMB THRESHOLD FIRE RATING (MIN) HW SET SW 7016 - SEMI-GLOSS 100A TENANT 100 GRAY GRAY 2/A800 1/A800 3/A800 GRAY 3/A800 SW 7016 - SEMI-GLOSS 100B TENANT 100 HM GRAY 3'-6'' 7'-0'' HM 2/A800 1/A800 100C G2 7'-0'' TEMP BRICK RED KAWNEER BRICK RED - PERMACOAT POWDER COATING TENANT 100 BRICK RED PR 6'-0" 15/A801 18/A801 11/A801 100D 3'-0'' G1 DARK BRONZE 7'-0'' TEMP 15/A801 18/A801 11/A801 TENANT 100 ΑL 100E G1 DARK BRONZE 15/A801 18/A801 11/A801 TENANT 100 ΑL 100F G1 DARK BRONZE TEMP 15/A801 18/A801 11/A801 TENANT 100 ΑL G2 7'-0'' TEMP BRICK RED 2/A800 1/A800 3/A800 101A TENANT 101 BRICK RED 6'-0'' KAWNEER BRICK RED - PERMACOAT POWDER COATING ΑL 3'-0" 7'-0'' 101B TENANT 101 G1 TRAFFIC RED **TEMP** TRAFFIC RED 2/A800 1/A800 3/A800 SW 3020 - SEMI-GLOSS 10'-0'' 101C TENANT 101 STEEL 9'-0" 13/A800 MANUF: OVERHEAD DOOR MODEL STORMLITE 625 101D S2 10'-0" TEMP MANUF: OVERHEAD DOOR MODEL ALUMINUM GLASS DOOR 521 TENANT 101 AL/GLASS 9/A800 ---101E 7'-0'' TRAFFIC RED 3/A800 TENANT 101 HM TRAFFIC RED 3'-6" HM 2/A800 1/A800 SW 3020 - SEMI-GLOSS G2 7'-0'' **TEMP** 101F BRICK RED 6'-0'' BRICK RED 2/A800 1/A800 3/A800 KAWNEER BRICK RED - PERMACOAT POWDER COATING TENANT 101 ΑL 10'-0" 9'-0" 5/A800 101G TENANT 101 **S**1 AL/GLASS 4/A800 MANUF: OVERHEAD DOOR MODEL ALUMINUM GLASS DOOR 521 10'-0" 101H 9'-0'' TEMP TENANT 101 AL/GLASS 5/A800 4/A800 MANUF: OVERHEAD DOOR MODEL ALUMINUM GLASS DOOR 521 7'-0" 102A RISER ROOM 102 HM BLACK 3'-0" НМ **BLACK** 2/A800 1/A800 3/A800 SW 6258 - GLOSS





HOLLOW METAL

ALUMINUM/HOLLOW METAL



DOOR JAMB/

DIV 04 - MASONRY REF EXT FINISH SCHEDULE

- 4.01 MASONRY WALL W/ HORIZ JOINT REINF @ 24" OC; RE: STRUCTURAL FOR VERT REINF (WIDTH); REF ELEVATIONS FOR COLOR AND FINISH 4.04 1" MIN CAVITY W/ DRAINAGE MESH @ BASE
- 4.05 MASONRY THRU-WALL FLASHING W/ MTL DRIP EDGE & WEEPS @ 24" OC MAX 4.06 SOLID GROUT FILL BELOW THRU-WALL FLASHING

DIV 05 - METALS

- 5.05 STRUCTURAL STEEL ANGLE (RE: STRUC.) 5.07 BREAK METAL, PAINT TO MATCH ADJ. MATERIAL
- 5.71 PREFIN. METAL CANOPY

DIV 06 - WOOD, PLASTIC AND COMPOSITES

- 6.06 2X_ WD FRAMING @ _" OC (RE: STRUC.) 5/8" SHEATHING PER STRUCTURAL
- 6.21 2X8 WOOD STUD 6.25 HEADER; PER STRUCTURAL

DIV 07 - THERMAL AND MOISTURE PROTECTION

FLASHING, PAINT TO MATCH ADJ. MATERIAL, ADHERE TO WEATHER BARRIER 7.12 (R-20) BATT INSULATION W/ VAPOR BARRIER TO WARM SIDE 7.15 FLUID WEATHER-RESISTIVE BARRIER @ SHEATHING 7.90 CONT SEALANT W/ BACKER ROD

DIV 08 - OPENINGS

8.01 PTD HOLLOW METAL DOOR & FRAME, GALV. @ EXT. TYP. 8.03 SERVING DOOR; REF: DOOR SCHEDULE

DOOR HARDWARE HARDWARE GROUP - 01 FINISH MAN 3 EA HINGES - FBB179 4 1/2 X 4 1/2 1 EA EXIT DEVICE - 2103 X 4903D 626 PR 1 EA RIM CYLINDER - 12E-72 626 BE 1 EA DOOR CLOSER - 4040XP-MC-HCUSH 1 EA SET OF GASKETING - 5050 B HEAD & JAMBS 1 EA THRESHOLD - 272 689 PEM 1 EA DOOR SWEEP - 200NA

HAR[DWARE GROUP - 02	INISH	MANF
3 EA	HINGES - FBB179 4 1/2 X 4 1/2	US26D	ST
1 EA	STOREROOM LOCK - L9080T-06	626	SCH
1 EA	RIM CYLINDER - 12E-72	626	BE
1 EA	DOOR CLOSER - 4040XP-MC-HCUSH	689	LCN
1 EA	SET OF GASKETING - 5050 B HEAD & JAMBS		NGP
1 EA	THRESHOLD - 272	689	PEM
1 EA	DOOR SWEEP - 200NA		NGP

HAKT	DWARE GROUP - 03	LINI2H	171/
2 EA	HINGE - FULL HEIGHT GATE HINGE	622	
1 EA	LATCH - 1/2" GALVANIZED STIBILG BAR LATCH		
2 EA	CASTER - HEAVY DUTY CASTER AT EACH GATE		
2 EA	BOLT - PADLOCKABLE CANE BOLTS	622	<u> </u>
HARI	OWARE GROUP - 04	FHMISH	MA
1 EA	HINGE - FULL HEIGHT SATE HINGE	622	
1 EA	LOCKSET - ND80PD-F86 RHO	622	SC
2 EA	CASTER - HEAVY DUTY CASTER AT EACH GATE	$\overline{\bot}$	
2 EA	BOLT - PADLOCKABLE CANE BOLTS	622	
HARI	DWARE GROUP - 05	FINISH	MA
1 EA	CONTINUOUS HINGE		
1 EA	EXIT DEVICE		

1 EA	SURFACE CLOSER	
1 EA	THRESHOLD	
1 EA	BOTTOM SWEEP W/ RAIN DRIP	
	STOREFRONT DOOR (BY STOREFRONT MANUFACTURER NOTE: HARDWARE FINISH TO MATCH STOREFRONT	?)
HARI	QWARE GROUP - 05	-
2 EA	CONTINUOUS HINGE	-
2 EA	EXIT DEVICE	
2 EA	DOOR PULL	
2 EA	SURFACE CLOSER	

1 EA DOOR PULL

1 EA	THRESHOLD
2 EA	BOTTOM SWEEP W/ RAIN DRIP
	STOREFRONT DOOR (BY STOREFRONT MANUFACTU NOTE: HARDWARE FINISH TO MATCH STOREFRONT
HAR[DWARE GROUP - 06

2 EA	CONTINUOUS HINGE 112HD	710	_
2 EA	HEADER/THRESH BOLT - 4015 X 4-85	BLACK	ΑI
1 EA	DEADLOCK - M\$1851\$ 1-1/8 B\$	BLACK	Al
2 EA	MORTISE CYLINDER - 20-001 118	BLACK	S
2 EA	PULL 8305-10	BLACK	ı
2 EA	PUSH PLATE 8200	BLACK	- 1
2 EA	SURFACE CLOSER - 4111 AVB SCUSH	BLACK	L
2 EA	MOUNTING PLATE - 4110-18	BLACK	LO
2 EA	CUSH SHOE SUPPORT - 4110-30	BLACK	LC
2 EA	BLADE STOP SPACER - 4110-61	BLACK	LO
1 EA	SIGN - "THIS DOOR TO REMAIN UNLOCKED DURING"		Al
1 SET	PREIMETER SEALS		
1 EA	THRESHOLD - 655A	BLACK	Z
2 EA	DOOR SWEEP - 39A	DKB	Z

FINISH MANE

2 EA FLOOR STOP - 1462

DOOR SCHEDULE NOTES

NOTE 1: HOLLOW METAL FRAME TO BE GALVANIZED. NOTE 2: MEDIUM STIL ALUM STOREFRONT DOOR W/ 1/4" TEMPERED GLASS RE: ELEVATIONS AND SECTIONS FOR REMAINDER INFORMATION NOTE 3: FOR ALL DOOR THRESHOLDS, SEAL WATER TIGHT FOR NO MOISTURE PENETRATION.

NO PANIC HARDWARE IS PROVIDED AT THIS DOOR IN ACCORDANCE WITH

IBC SECTION 1010.1.10 EXCEPTION #1 AND SECTION 1010.1.9.4 ITEM #2

NOTE 4: HOLLOW METAL FRAME TO BE GALVANIZED. HOLLOW METAL FRAME TO BE KNOCK DOWN (WRAP AROUND) TYPE.

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project title

project number

drawing issuance

drawing revisions

professional sec

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DESIGN CODES AND STANDARDS

2. BOLTS FOR STEEL BEAM AND COLUMN CONNECTIONS SHALL BE 3/4-INCH DIAMETER (MIN.) ASTM F3125,

3. ALL BOLTED JOINTS SHALL BE SNUG TIGHT UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS . FOR

PRETENSIONED OR SLIP-CRITICAL JOINTS, THE METHOD OF INSTALLATION SHALL BE TURN-OF-NUT WITH

WELDS NOT SPECIFICALLY SIZED ON THE STRUCTURAL DRAWINGS SHALL BE THE MINIMUM SIZE PER THE

PROVIDE DOUBLE NUTS AND DOUBLE WASHERS FOR STEEL COLUMN ANCHOR BOLTS TO ALLOW FOR

ADJUSTMENT IN BASE PLATE ELEVATION. PROVIDE 1 1/2 INCH NON-SHRINK GROUT UNDER BASE PLATE

AFTER ERECTION. USE 2 1/2 INCH NON-SHRINK GROUT WHEN COLUMN ANCHOR BOLTS ARE 1 1/4 INCH

DIAMETER OR LARGER. NON-SHRINK GROUT SHALL BE NON-METALLIC WITH A MINIMUM COMPRESSIVE

CONNECTION DESIGN ENGINEER SHALL BE EMPLOYED OR RETAINED BY THE STEEL FABRICATOR. THE

DESIGN AND DETAILING SHALL COMPLY WITH ALL APPLICABLE CODES AND SPECIFICATION SECTIONS

MISCELLANEOUS STEEL ITEMS SHOWN ON THE STRUCTURAL, ARCHITECTURAL, CIVIL, MECHANICAL,

WOOD FRAMING SHALL MEET THE NDS MINIMUM STRESS PROPERTIES UNLESS NOTED OTHERWISE IN

PROVIDE SIMPSON STRONG-TIE CONNECTORS OR EQUIVALENT FOR WOOD FRAMING CONNECTING TO

SUPPORTING MEMBERS. INSTALL WITH MANUFACTURER'S SPECIFIED FASTENERS. ACCORDING TO THE

THE CONTRACTOR TO THE STRUCTURAL ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE

SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION

AND LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. THE CALCULATIONS SHALL DEMONSTRATE

THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EQUIVALENT PERFORMANCE

VALUES OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARDS

3. ALL ROOF. FLOOR AND EXTERIOR WALL SHEATHING SHALL BE APA RATED EXPOSURE 1 SHEATHING [U.N.O.]

INSTALL ROOF AND FLOOR SHEATHING WITH THE LONG DIMENSION OF THE PANEL PERPENDICULAR TO

SUPPORTS UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS, AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. STAGGER END JOINTS, UNLESS NOTED OTHERWISE. SPACE PANELS 1/8" APART AT

ALL ROOF SHEATHING SHALL HAVE A MINIMUM THICKNESS OF 3/8 INCH WITH A SPAN RATING OF AT LEAST

32/16 AND BE FASTENED TO ROOF FRAMING NAILED WITH 8d GALVANIZED COMMON NAILS AT 2" O.C. AT

6. ALL EXTERIOR NON-SHEAR WALL SHEATHING SHALL MATCH SHEARWALL THICKNESS PER SCHEDULE/PLAN

AND BE FASTENED TO WALL STUDS WITH 8d GALVANIZED COMMON NAILS AT 6 INCHES ON CENTER AT

8. ALL JOISTS SHALL HAVE DIAGONAL BRIDGING OR FULL DEPTH BLOCKING AT 8'-0" ON CENTER MAXIMUM

11. PROVIDE SLIP CONNECTION AT TOP OF ALL NON-LOAD BEARING WALLS TO ALLOW FOR 1 1/2" DEFLECTION

12. ALL WOOD IN CONTACT WITH CONCRETE AND EXTERIOR MASONRY SHALL BE PRESERVATIVE TREATED.

13. ALL STEEL CONNECTORS AND FASTENERS USED WITH PRESERVATIVE TREATED WOOD SHALL BE

14. NAILING SHALL COMPLY WITH REQUIREMENTS OF NAILING SCHEDULE UNLESS NOTED OTHERWISE IN

15. ALL NAILS SHOWN ON PLAN ARE 'COMMON', UNLESS NOTED OTHERWISE. REFERENCE NAIL SIZE SCHEDULE

10. FASTEN PLIES OF ENGINEERED WOOD PRODUCTS TOGETHER PER THE MANUFACTURER'S

UNSUPPORTED PANEL EDGES, 8d COMMON NAILS SHALL HAVE A MINIMUM 0.138 INCH DIAMETER AND 1 3/8

EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS. PROVIDE BLOCKING AT UNSUPPORTED

PANEL EDGES. 8d COMMON NAILS SHALL HAVE A MINIMUM 0.138 INCH DIAMETER AND 1 3/8 INCH MINIMUM

REFERENCE DETAILS FOR CUTTING, BORING OR NOTCHING OF FRAMING MEMBERS, WALL STUDS AND TOP

RECOMMENDATIONS OR AS DETAILED IN THE CONSTRUCTION DOCUMENTS. REFERENCE BUILT-UP COLUMN AND BEAM DETAILS FOR NAILED BUILT-UP COLUMN AND BEAM REQUIREMENTS. SPLICES IN MULTIPLE

PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS. PROVIDE BLOCKING AT

MANUFACTURER'S SPECIFICATIONS. SUBSTITUTION REQUESTS FOR CONNECTORS SHALL BE SUBMITTED BY

10. AT ALL GALVANIZED OR PAINTED STEEL MEMBERS WITH FIELD WELDED CONNECTIONS, REMOVE

PLUMBING AND ELECTRICAL DRAWINGS AND IN THE SPECIFICATIONS.

A. DOUGLAS FIR SOUTH #2 OR BETTER, PER THE NDS

B. GLULAM BEAMS: 24F-V4 DF/DF, PER THE NDS

. 3. Fc = 2,510 PSI (PARALLEL TO GRAIN)

. 5. Fv = 285 PSI (PARALLEL TO GRAIN)

. 3. Fc = 2,900 PSI (PARALLEL TO GRAIN)

. 4. Fc = 625 PSI (PERPENDICULAR TO GRAIN)

AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY.

INCH MINIMUM PENETRATION INTO SUPPORTING FRAMING.

INSTALL ALL JOISTS, RAFTERS, HEADERS AND BEAMS CROWN UP.

ALONG THE SPAN AND AT SUPPORTING BEAMS OR WALLS.

PENETRATION INTO SUPPORTING FRAMING.

BUILT-UP MEMBERS ARE NOT PERMITTED. U.N.O.

5. Fv = 290 PSI (PARALLEL TO GRAIN)

. 4. Fc = 750 PSI (PERPENDICULAR TO GRAIN)

AND INSPECTOR APPROVED, PREPARE AND REPAINT THE FRAMING SURFACES.

9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING THE COSTS FOR ALL MISCELLANEOUS

STEEL SHOWN IN THE CONTRACT DOCUMENTS. THESE COSTS SHALL INCLUDE, BUT ARE NOT LIMITED TO.

GALVANIZING, PAINT OR PRIMER PRIOR TO FIELD WELDING AS REQUIRED. AFTER WELDING IS COMPLETE

8. ALL CONNECTIONS NOT FULLY DETAILED IN THE CONTRACT DOCUMENTS SHALL BE DESIGNED AND

LEDGER ANGLES AND LINTELS IN EXTERIOR WALL SYSTEMS SHALL BE HOT DIP GALVANIZED PER ASTM A123.

DETAILED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. THE

MATCH MARKING, TWIST-OFF-TYPE TENSION CONTROL BOLT ASSEMBLIES (ASTM F3125, GRADE F1852), OR

GRADE A325-N HIGH-STRENGTH BOLTS UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS.

4. WELDING SHALL MEET ANSI / AWS D1.1, STRUCTURAL WELDING CODE LATEST REVISION. ELECTRODES

YIELD

50 KSI

36 KSI

50 KSI

36 KSI, WELDABLE

36 KSI

STRUCTURAL STEEL SHALL MEET THE FOLLOWING MINIMUM YIELD STRESS (FV):

STRUCTURAL STEEL

A. W, WT SHAPES:

D. ANCHOR RODS:

E. ALL-THREAD RODS:

B. BARS, PLATES, CHANNELS, ANGLES:

DIRECT TENSION INDICATORS (ASTM F959).

SHALL BE 70 KSI, LOW HYDROGEN.

STRENGTH OF 5,000 PSI AT 28 DAYS.

LATEST AWS D1.1.

WOOD FRAMING

CONTRACT DOCUMENTS

. 1. Fb = 2,600 PSI

. 2. Ft = 1,555 PSI

. 1. Fb = 2,900 PSI

. 2. Ft = 2,025 PSI

EDGES AND ENDS.

OF FRAMING ABOVE.

GALVANIZED (G90)

CONTRACT DOCUMENTS.

FOR REQUIRED COMMON NAIL SIZES.

4500 PSI

1. E = 1,800,000 PSI

6. E = 2,000,000 PSI

6. E = 2,000,000 PSI

AS REQUIRED BY THE BUILDING CODE.

D. PARALLEL STRAND LUMBER (PSL):

C. LAMINATED VENEER LUMBER (LVL):

C. SQUARE, RECTANGULAR HSS:

ERECTION DRAWING SHOWING TRUSS LAYOUT PREPARED AS NOTED IN THE DEFERERED SUBMITTAL NOTE.

A. TOP CHORD

. 2. LIVE LOAD = AS REQUIRED PER GOVERNING BUILDING CODE

D. WIND LOADS = RE: DESIGN PARAMETERS

MAXIMUM TOTAL LOAD DEFLECTION TO SPAN/180 F. REFERENCE PLANS AND DETAILS FOR ADDITIONAL DESIGN LOADS OR SHEAR TRUSS/BLOCKING

4. TRUSS TOP CHORD SHALL BE DOUGLAS FIR SOUTH OR SOUTHERN PINE.

PENETRATION OF 0.37 INCH.

6. TRUSSES AND CONNECTOR PLATES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF

8. CEILINGS WILL NOT BRACE BOTTOM CHORDS. TRUSS MANUFACTURER SHALL DESIGN PERMANENT BOTTOM CHORD BRIDGING TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR.

CONNECTIONS, U.N.O. ON THE DETAILS.

10. PROPER ERECTION BRACING SHALL BE INSTALLED TO HOLD THE TRUSSES TRUE AND PLUMB AND IN SAFE CONDITION UNTIL PERMANENT TRUSS BRACING AND BRIDGING HAVE BEEN INSTALLED TO FORM A STRUCTURALLY SOUND FRAMING SYSTEM. ALL ERECTION AND PERMANENT BRACING SHALL BE INSTALLED AND ALL COMPONENTS PERMANENTLY FASTENED BEFORE THE APPLICATION OF ANY LOADS TO THE TRUSSES, ALL BRACING SHALL BE DESIGNED BY MANUFACTURER AND INDICATED ON SHOP DRAWINGS. ALL PREFABRICATED WOOD TRUSSES ARE TO BE INSTALLED IN ACCORDANCE WITH THE BUILDING COMPONENT SAFETY INFORMATION (BCSI), "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES".

11. REFERENCE ARCHITECTURAL DRAWINGS FOR TRUSS GEOMETRY REQUIREMENTS. TRUSS MANUFACTURER SHALL ARRANGE TRUSS WEB MEMBERS AS REQUIRED BY DESIGN. REFERENCE ARCH. AND MECH.

12. DO NOT CUT, NOTCH OR OTHERWISE ALTER THE TRUSSES WITHOUT WRITTEN PERMISSION FROM THE FABRICATOR AND THE STRUCTURAL ENGINEER OR RECORD.

SHALL OBTAIN APPROVAL FROM THE STRUCTURAL ENGINEER PRIOR TO INSTALLING POST INSTALLED ANCHORS IN PLACE OF MISSING OR MIS-PLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN SHALL BE BROUGHT TO THE ATTENTION OF THE EOR PRIOR TO COMPLETION OF WORK.

3. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED ON THE CONTRACT DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER ALONG WITH CALCULATIONS THAT ARE SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION AND LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EQUIVALENT PERFORMANCE VALUES OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARDS AS REQUIRED BY THE BUILDING CODE.

5. THE ANCHOR EMBEDMENT DEPTH SHALL BE DEFINED AS THE DEPTH FROM THE SURFACE FACE OF THE LOAD BEARING BASE MATERIAL TO THE DEEPEST PART OF THE ANCHOR AFTER THE ANCHOR HAS BEEN FULLY INSTALLED INTO THE HOLE PER MANUFACTURER'S SPECIFICATIONS.

6. ANCHORS EXPOSED TO WEATHER SHALL BE STAINLESS STEEL

7. CONTRACTOR SHALL FOLLOW THE LATEST VERSION OF MANUFACTURER'S SPECIFICATION DURING

1. THE FOLLOWING STRUCTURAL COMPONENTS SHALL BE DESIGNED AND SUBMITTED BY OTHERS FOR

A. STRUCTURAL STEEL CONNECTIONS OF FRAMING AND BRACING ELEMENTS.

B. STEEL, SELF-SUPPORTING STAIRS.

2. DOCUMENTS FOR DEFERRED STRUCTURAL SUBMITTAL ITEMS SHALL BE DESIGNED, SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. THE DEFERRED SUBMITTAL DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER-OF-RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL AS REQUESTED WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED FOR DESIGN LOADS AND BEEN FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN CRITERIA OF THE BUILDING.

Z

C. STOREFRONT AND CURTAINWALL FRAMING, ACCESSORIES, AND ATTACHMENTS TO STRUCTURE. D. SHOP FABRICATED WOOD ROOF TRUSSES.

THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL

SHOP-FABRICATED WOOD TRUSSES

ALL TRUSSES SHALL BE PRE-ENGINEERED AND SHOP FABRICATED. TRUSSES AND CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF THE AF&PA N.D.S. TRUSSES SHALL CONFORM TO THE SPACING, DIMENSIONS AND CONFIGURATIONS SPECIFIED IN THESE NOTES AND ON THE PLANS AND SHALL BE DESIGNED FOR ALL SPECIFIED LOADS. FRAMING PLANS INDICATE THE REQUIRED BASIC TRUSS

2 TRUSS MANUFACTURER SHALL SUBMIT STRUCTURAL CALCULATIONS AND SHOP DRAWINGS, INCLUDING AN

3. ROOF TRUSS DESIGN LOADS (ASD):

1. ROOF LIVE LOAD = 20 PSF 2. DEAD LOAD = 10 PSF

. 3. SNOW LOAD = CALCULATE PER GOVERNING BUILDING CODE.

B. BOTTOM CHORD 1. DEAD LOAD = 10 PSF

ASTM SPECIFICATION

A992

A500, GRADE C

F1554

A36

C. SELF WEIGHT OF THE TRUSSES SHALL BE ADDED TO THE ABOVE LOADS.

E. ROOF TRUSS SHALL BE DESIGNED TO LIMIT THE MAXIMUM LIVE LOAD DEFLECTION TO SPAN/240 AND

REQUIREMENTS

5. TRUSSES SHALL BE FABRICATED WITH MINIMUM 20 GAUGE TRUSS PLATES HAVING A MINIMUM WOOD

ANSI/TPI 1: NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION. 7. TRUSS BEARING POINTS SHALL BE PINNED FOR THE DESIGN OF THE TRUSSES

9. TRUSS DESIGNER SHALL DESIGN AND SPECIFY THE TRUSS TO TRUSS AND THE TRUSS TO SUPPORT

DRAWINGS FOR DUCT LAYOUT. PROVIDE CHASES IN TRUSSES TO ACCOMODATE DUCTS AS REQUIRED.

POST INSTALLED ANCHORS

1. ANCHORS SHALL ONLY BE INSTALLED WHERE SPECIFIED ON THE CONTRACT DRAWINGS. THE CONTRACTOR PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REINFORCING. ANY CONFLICTS

2. THE CONTRACTOR SHALL SUBMIT PRODUCT DATA WITH DESIGN VALUES AND PHYSICAL PROPERTIES FOR ALL POST INSTALLED ANCHORS. ADDITIONALLY, THE CONTRACTOR SHALL SUBMIT CERTIFIED ICC ES OR ESR REPORTS WHICH VERIFY COMPLIANCE WITH THE SPECIFIED CRITERIA.

4. ALL HOLES SHALL BE DRILLED, DRY AND CLEANED AND ANCHORS SHALL BE INSTALLED IN ACCORDANCE PER ANCHOR MANUFACTURER'S WRITTEN SPECIFICATIONS. THE LATEST VERSION OF THE WRITTEN SPECIFICATION SHALL BE ON-SITE AND FOLLOWED DURING THE INSTALLATION OF THE ANCHORS.

INSTALLATION OF ANCHORS.

8. OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED BY PERSONNEL CERTIFIED BY THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM.

DEFERRED STRUCTURAL SUBMITTALS (IBC 2018 SECTION 107.3.4.1)

APPROVAL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS

wallace desigr collective

wallace design collective, pc structural · civil · landscape · survey 1703 wyandotte street, suite 200 kansas citv. missouri 64108 816.421.8282 · 800.364.5858

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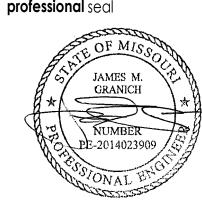
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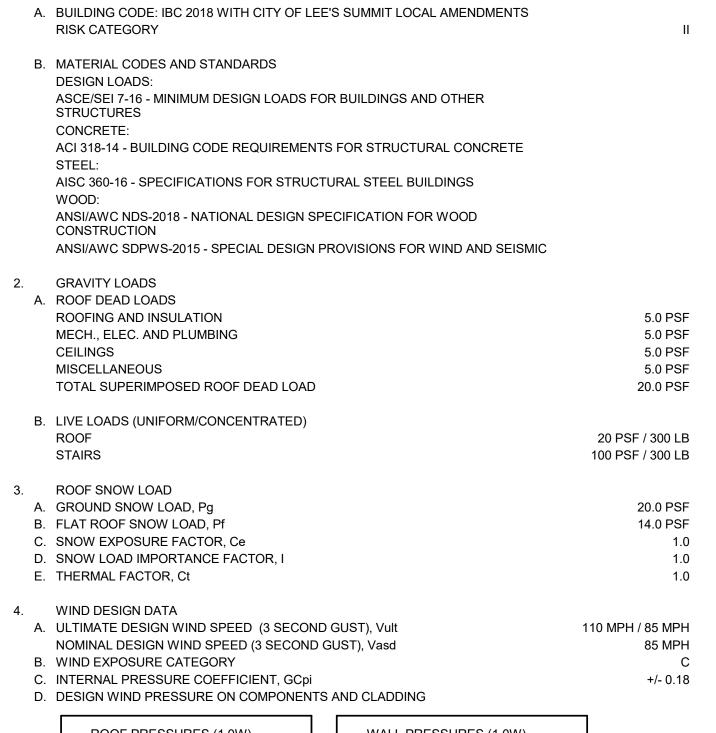
project number

drawing issuance ISSUED FOR PERMIT

drawing revisions Description 1 CITY COMMENTS



DATE SIGNED: 1/6/2023 4:42:16 PM drawing title **GENERAL NOTES**



ROOF PRESSURES (1.0W)			WALL PRE	ESSURES (1.0)W)
		VE WIND EA		EFFECTIVE WIND AREA	
	≤10 SQ. FT.	≥500 SQ. FT.		≤10 SQ. FT.	≥500 SQ. FT.
ZONE 1	-43.6 PSF	-27.3 PSF	ZONE 4	-27.1 PSF	-20.9 PSF
ZONE 1'	-25.0 PSF	-16.9 PSF	ZONE 5	-33.4 PSF	-20.9 PSF
ZONE 2	-57.5 PSF	-36.6 PSF	ZONE 4 & 5	25.0 PSF	18.8 PSF
ZONE 3	-78.3 PSF	-36.6 PSF	_		
ZONE 1, 2 & 3	16.0 PSF	16.0 PSF			

RE: ASCE 7-16 FIGURES 30.3-1 AND 30.3-2A

REFER TO CODE FOR EFFECTIVE TRIBUTARY AREAS NOT LISTED POSITIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE

F WIDTH OF FND ZONE

⊏.	WIDTH OF END ZONE	7.5 F I
	EARTHQUAKE DESIGN DATA	
A.	SEISMIC IMPORTANCE FACTOR, le	1.0
В.	MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, Ss	9.9%
C.	MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, S1	6.8%
D.	SITE CLASS	D
Ε.	DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sds	0.106
F.	DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sd1	0.109
G.	SEISMIC DESIGN CATEGORY	В
	A. B. C. D. E.	EARTHQUAKE DESIGN DATA A. SEISMIC IMPORTANCE FACTOR, Ie B. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, Ss C. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, S1 D. SITE CLASS E. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sds F. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sd1 G. SEISMIC DESIGN CATEGORY

H. STRUCTURAL SYSTEM	
1.) VERTICAL ELEMENT TYPE	BEARING WALL SYSTEM
2.) BASIC SEISMIC FORCE-RESISTING SYSTEM TYPE	LIGHT FRAME WALLS WITH WOOD STRUCTURAL PANELS
3.) RESPONSE MODIFICATION FACTOR, R	6.5
4.) SEISMIC RESPONSE COEFFICIENT, Cs	0.016
5.) DESIGN BASE SHEAR, 1.0E	0.016 W
J. ANALYSIS PROCEDURE	EQUIVALENT

GENERAL

STRUCTURAL ELEMENTS ARE NON-SELF SUPPORTING AND REQUIRE INTERACTION WITH OTHER ELEMENTS FOR STABILITY AND RESISTANCE TO LATERAL FORCES. FRAMING AND WALLS SHALL BE TEMPORARILY BRACED BY THE CONTRACTOR UNTIL PERMANENT BRACING, FLOOR AND ROOF DECKS, AND WALLS HAVE BEEN INSTALLED AND CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE.

GENERAL NOTES

THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION, UNLESS NOTED OTHERWISE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATION OF CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO.

THE STRUCTURE HAS BEEN DESIGNED FOR THE INDICATED LOADS ONLY. USE OF HEAVY EQUIPMENT AND SCAFFOLDING, OR STORAGE OF MATERIALS THAT TRANSFER EXCESSIVE LOADS TO THE STRUCTURE SHALL BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE CALCULATIONS SIGN AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED TO VERIFY THE ADEQUACY OF THE STRUCTURE FOR ALL APPLIED CONSTRUCTION LOADS THAT EXCEED THE LOADS INDICATED IN THE CONSTRUCTION DOCUMENTS AND SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER-OF-RECORD PRIOR TO ANY CONSTRUCTION ACTIVITY.

4. THE SPECIFICATIONS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED IN CONJUCTION WITH THE CONTRACT DRAWINGS. WHERE REQUIREMENTS INDICATED ON THE CONTRACT DRAWINGS DIFFER FROM THE SPECIFICATIONS, NOTIFY THE ARCHITECT AND THE ENGINEER-OF-RECORD.

STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND DRAWINGS FROM OTHER DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS INTO SHOP DRAWINGS AND WORK.

6. ALL WELDS SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (A.W.S) SPECIFICATIONS.

7. THE SIZE AND LOCATION OF EQUIPMENT PADS AND PENETRATIONS THROUGH THE STRUCTURE FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORK SHALL BE VERIFIED BY THE CONTRACTOR. PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND THE ENGINEER-OF-RECORD. REFERENCE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR OPENING LOCATIONS NOT SHOWN ON THE

USE ONLY DIMENSIONS INDICATED IN THE CONTRACT DOCUMENTS. DO NOT SCALE CONTRACT DOCUMENTS OR USE ANY DIMENSIONS TAKEN FROM ELECTRONIC DRAWING FILES. CONTRACTOR SHALL COORDINATE IN-PLACE DIMENSIONS BASED ON TOLERANCES OF THE RESPECTIVE TRADES.

ASSUME EQUAL SPACING IF NOT INDICATED IN CONTRACT DOCUMENTS. 10. ARCHITECTURAL, MECHANICAL AND ELECTRICAL COMPONENTS AND SYSTEMS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST SEISMIC FORCES AS DETERMINED IN CHAPTER 13 OF ASCE 7.

NON-LOAD BEARING PARTITION FRAMING TO THE PRIMARY STRUCTURE SHALL ALLOW FOR VERTICAL LIVE LOAD DEFLECTIONS OF THE FLOOR AND ROOF FRAMING. 12. CONTRACTOR SHALL COORDINATE ALL DIMENSIONS, OPENING, BLOCKOUTS, RECESSES, ELEVATIONS, ANCHOR RODS AND EMBED LOCATIONS PRIOR TO CONSTRUCTION.

11. REFERENCE ARCHITECTURAL DRAWINGS FOR NON-LOAD BEARING PARTITION FRAMING. CONNECTION OF

FOUNDATIONS

LATERAL FORCE

FOUNDATION DESIGNS, SUBGRADE PREPARATION NOTES, AND STRUCTURAL EARTH MOVING SPECIFICATION ARE BASED ON THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT NUMBER 18-5125-2022,

BY: COOK, FLATT, AND STROBEL ENGINEERS, P.A. DATED: SEPTEMBER 30, 2022. FOOTING DESIGNS ARE BASED ON A NET [MAX] ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF. CONTRACTOR AND TESTING LABORATORY REPRESENTATIVE SHALL READ THE GEOTECHNICAL REPORT AND BECOME THOROUGHLY FAMILIAR WITH SITE AND SUBGRADE INFORMATION GIVEN THEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT QUANTITIES OF CUT AND FILL FOR ESTIMATING AND CONSTRUCTION. SUBGRADE SHALL BE PREPARED AS NOTED IN THE STRUCTURAL EARTH

MOVING SPECIFICATION. 4. A QUALIFIED AND REGISTERED GEOTECHNICAL ENGINEER, LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND WORKING FOR THE TESTING LABORATORY, SHALL DETERMINE CONFORMANCE OF THE FOUNDATION BEARING STRATA WITH THE FOUNDATION DESIGN CRITERIA ABOVE, AND ALL OTHER CONTRACT DOCUMENTS. TESTING LABORATORY SHALL NOTIFY CONTRACTOR, ARCHITECT AND ENGINEER-OF-RECORD OF ANY CONDITIONS NOT IN ACCORDANCE WITH FOUNDATION DESIGN CRITERIA OR

CONTRACT DOCUMENTS. 5 THE SUBGRADE SHALL BE PREPARED AS INDICATED IN THE STRUCTURAL EARTH MOVING SPECIFICATION. USE ONLY STRUCTURAL FILL MATERIAL IDENTIFIED IN THE STRUCTURAL EARTH MOVING SPECIFICATION FOR FILL BELOW BUILDING AND FIVE FEET BEYOND THE EDGES OF THE BUILDING AND 1 FOOT BEYOND THE

7 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT QUANTITIES OF CUT AND FILL FOR ESTIMATING AND CONSTRUCTION. SUBGRADE SHALL BE PREPARED AS NOTED IN THE STRUCTURAL EARTH MOVING SPECIFICATION.

8 FOUNDATION WALLS SHALL HAVE ADEQUATE TEMPORARY BRACING INSTALLED BY THE CONTRACTOR BEFORE BACKFILL IS PLACED AGAINST THEM. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL WALL IS

AVOID DAMAGE TO UNDERGROUND UTILITIES INCLUDING, BUT NOT LIMITED TO, WATER MAINS, SANITARY

MINIMUM COMPRESSIVE STRENGTH (fc) AT THE END OF 28 DAYS SHALL BE AS FOLLOWS: A. FOOTINGS 4000 PSI B. FOUNDATION WALLS AND PEDESTALS 4000 PSI 3000 PSI ~ C. INTERIOR SLABS-ON-GRADE

REFERENCE SPECIFICATIONS FOR MAXIMUM WATER/CEMENT RATIOS. MINIMUM CEMENT CONTENTS AND OTHER MIX DESIGN REQUIREMENTS. CONCRETE SHALL BE NORMAL WEIGHT (145 PCF), UNLESS NOTED OTHERWISE

2. EXTERIOR CONCRETE AND CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL BE AIR-ENTRAINED.

REFERENCE CAST-IN-PLACE CONCRETE SPECIFICATION FOR AIR CONTENT MATERIALS OR ADMIXTURES SHALL NOT CONTAIN ANY CALCIUM CHLORIDE.

D. EXTERIOR STRUCTURAL CONCRETE

SHALL BE 90 KSI. LOW HYDROGEN

SEWERS AND BURIED CABLES WHICH MIGHT EXTEND ACROSS OR ADJOIN SITE

4. REINFORCING STEEL SHALL MEET THE FOLLOWING: ASTM SPECIFICATION A. DEFORMED BARS A615, GRADE 60 B. WELDABLE DEFORMED BARS A706, GRADE 60 C. WELDED WIRE REINFORCEMENT A1064

 $\mathcal{M} \mathcal{M} \mathcal{M} \mathcal{M} \mathcal{M}$ 5. PROVIDE MINIMUM CONCRETE CLEAR COVER FOR REINFORCEMENT PER ACI 318, UNLESS NOTED

6. WELDING SHALL MEET ANSI / AWS D1.1, STRUCTURAL WELDING CODE AND ANSI / AWS D1.4 "STRUCTURAL WELDING CODE FOR REINFORCING STEEL" LATEST REVISION. ELECTRODES FOR DEFORMED BAR ANCHORS

7. WHERE DOWELS ARE INDICATED BUT NOT SIZED, PROVIDE DOWELS THAT MATCH SIZE AND LOCATION OF MAIN REINFORCING STEEL AND LAP SPLICE WITH THE MAIN REINFORCING STEEL. REINFORCING STEEL SHALL BE SPLICED AS NOTED IN THE REINFORCING LAP SCHEDULE.

8. "C.J." INDICATES SAW CUT CONTRACTION JOINT OR DOWELED CONSTRUCTION JOINT IN SLAB-ON-GRADE. REFERENCE CAST-IN-PLACE CONCRETE SPECIFICATION FOR ACCEPTED SAW CUT METHODS. SLAB POURS SHALL BE SEPARATED BY A DOWELED CONSTRUCTION JOINT. CONTRACTION/CONSTRUCTION JOINTS SHALL BE LOCATED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER-OF-RECORD.

INTERSECTIONS AND CORNERS OF WALLS AND FOUNDATIONS. 10. PROVIDE #3 Z-BAR SPACERS AT 24 INCHES ON CENTER EACH WAY FOR CONCRETE WALLS HAVING REINFORCING STEEL IN BOTH FACES.

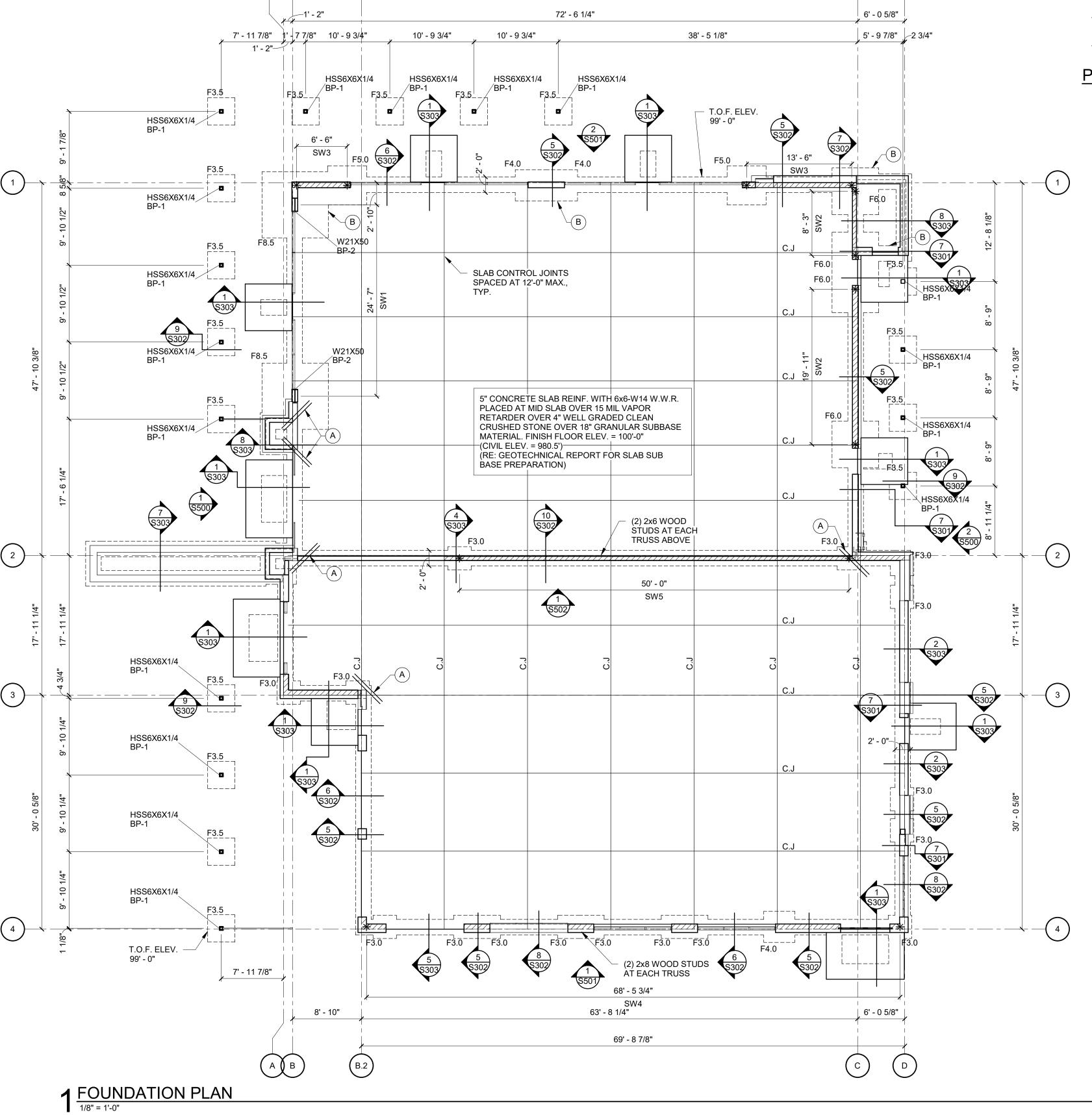
11. ANCHOR BOLTS AND EMBED PLATES SHALL BE TIED INTO THE REINFORCING STEEL CAGE AND HELD IN

PLACE WITH A RIGID TEMPLATE TO PREVENT MOVEMENT DURING CONCRETE PLACEMENT.

PROVIDE CORNER BARS THAT MATCH AND LAP CONTINUOUS REINFORCEMENT SIZE AND QUANTITY AT

	FOOTING SCHEDULE										
MARK		SIZE		BOTTOM RE	INFORCING						
IVIARK	LENGTH	WIDTH	THICKNESS	LONGITUDINAL	TRANSVERSE						
F3.0	3' - 0"	3' - 0"	2' - 6"	(3) #5	(3) #5						
F3.5	3' - 6"	3' - 6"	2' - 6"	(4) #5	(4) #5						
F4.0	4' - 0"	4' - 0"	2' - 6"	(5) #5	(5) #5						
F5.0*	5' - 0"	5' - 0"	2' - 6"	(6) #5	(6) #5						
F6.0*	6' - 0"	6' - 0"	2' - 6"	(7) #5	(7) #5						
F8.5*	8' - 6"	8' - 6"	2' - 6"	(9) #8	(9) #8						

NOTE:
* FOOTINGS TO HAVE TOP REINFORCEMENT TO MATCH BOTTOM REINFORCEMENT



FOUNDATION PLAN NOTES

- 1. THE CONCRETE SLABS SHOWN ON THE STRUCTURAL DRAWINGS HAVE BEEN DESIGNED FOR FINISHED STRUCTURE AND HAVE NOT BEEN DESIGNED FOR MEANS AND METHODS OF CONSTRUCTION. INCLUDING BUT NOT LIMITED TO, FORK LIFTS, MAN LIFTS, CRANES AND OTHER VEHICULAR TRAFFIC. THE CONTRACTOR SHALL VERIFY THE SLAB DESIGN MEETS THE CONSTRUCTION NEEDS AND SHALL SUBMIT TO THE ENGINEER OF RECORD FOR REVIEW.
- 2. RE: 1/S301 FOR REINFORCING LAP SCHEDULE. 3. PROVIDE CORNER BARS IN ALL CONT. FOOTINGS,
- RE: 4/S301.
- 4. RE: 5 AND 6/301 FOR ANY MEP PIPING OR CONDUITS PENETRATIONS UNDER OR THRU A FOOTING.
- 5. PROVIDE (2) #4x5'-0" MID SLAB AT ALL REENTRANT SLAB 6. CONTRACTOR SHALL COORDINATE SHEARWALL POST ANCHOR BOLT EMBEDMENTS WITH THE FOUNDATIONS
- PRIOR TO POURING. 7. ALL EXTERIOR AND INTERIOR BEARING WALLS SHALL
- BE 2x8 WOOD STUDS, U.N.O. 8. PROVIDE 2x8 STUD BELOW EACH ROOF TRUSS
- BEARING LOCATIONS WITH (2) 2x8 TOP PLATES SPLICED RE: 1/S401. 9. ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR
- WALLS SHALL HAVE PLYWOOD PANELS RE: 8/S401 SHEAR WALLS SHALL BE BLOCKED RE: 7/S401. 10. ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS SHALL HAVE SILL ANCHORS RE: 4/S302 ALONG
- 11. RE: SHEET S303 FOR ADDITIONAL WOOD FRAMING TYPICAL DETAILS.

PLAN LEGEND

THE ENTIRE WALL LENGTH.

= LATERAL SHEAR WALL RE: 7/S401 AND RE: 8/S401 FOR SCHEDULE

= SAW CUT CONTROL JOINT,RE: 2/S301

= FOOTING MARK, RE: FOOTING SCHEDULE

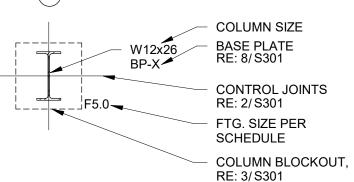
= HOLDDOWN LOCATION, RE: 1/S302

= NON-LOAD BEARING WALL, RE: ARCH AND RE: 3/S302

= 2x8 LOAD BEARING STUD WALL, U.N.O. = PROVIDE (2) #4x5'-0" BARS AT MID DEPTH AT ALL

RE- ENTRANT CORNERS

= FOOTINGS SHALL BE POURED MONOLITHICALLY



project title

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providing a complete Project. COMPLY WITH all laws, codes, ordinances and regulations with authorities having jurisdiction and

with requirements of the Landlord, if applicable. Do not start Work

until all permits and required approvals are obtained. VERIFY ACTUAL

CONDITIONS and dimensions prior to construction. Commencement of work constitutes verification and acceptance of all existing conditions. Application of a material or equipment item to Work installed by others constitutes acceptance of that Work, and assumption of responsibility for satisfactory installation. DIMENSIONS

SHOWN are to finish face of a material unless otherwise indicated.

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structural · civil · landscape · survey 1703 wyandotte street, suite 200 kansas city, missouri 64108 816.421.8282 · 800.364.5858



12' - 0 3/4"

8" CMU WALL, — RE: ARCH AND RE: 1/S406

1 ROOF FRAMING PLAN
1/8" = 1'-0"

PLAN LEGEND

2018 IBC TABLE 2304.9.1.

= LATERAL SHEAR WALL RE: 7/S401 AND RE: 8/S401 FOR

= NON-LOAD REINFORCING WALL, RE: ARCH AND RE: 6/S401

= 2x8 LOAD BEARING STUD WALL, U.N.O.

= HEADER OVER OPENING RE: 2 AND 4/S401

ROOF FRAMING PLAN NOTES

1. UNLESS SHOWN OR NOTED OTHERWISE, ALL NAILS ARE COMMON NAILS, UNLESS SHOWN OR NOTED OTHERWISE, WOOD MEMBERS SHALL BE CONNECTED AS SHOWN BELOW:

TRUSS TO TOP PLATE PER TRUSS MFR. TOP PLATE TO STUD, END NAIL STUD TO SOLE PLATE, END NAIL 2-20d BUILT-UP STUDS, FACE NAIL TRIPLE TOP PLATES, FACE NAIL (EXCEPT AT SPLICE

2-16d AT 16" O.C. 2-16d AT 16" O.C. RAFTER TO PLATE 3-8d TOE NAIL

3. ALL EXTERIOR AND INTERIOR LOAD BEARING WALLS U.N.O. SHALL BE 2x8 WOOD STUDS WITH (1) STUD BELOW EACH ROOF TRUSS AND. PROVIDE (2)

2. FOR FASTENER CONDITIONS NOT SHOWN, PROVIDE CONNECTIONS PER

- 2x6 TOP PLATES SPLICED PER 1/S401. 4. ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS SHALL HAVE
- PLYWOOD PANELS RE: 8/S401. SHEAR WALLS SHALL BE BLOCKED RE: 7/S401. 5. THE ROOF DIAPHRAGM SHALL BE BLOCKED OVER SHEAR
- WALLS RE: 9/S401. ROOF SHEATHING SHALL RUN PERPENDICULAR TO TRUSSES AND STAGGER ENDS. 6. ROOD DECK SHALL BE 24/0 STRUCTURAL I GRADE SHEATHING 3/8" MINIMUM NOMINAL THICKNESS. ATTACH WITH 8d COMMON OR DEFORMED SHANK NAILS WITH 3/8" PENETRATION (MIN.) AT 2" ON CENTER AT BOUNDARY LOCATIONS, 2" ON CENTER AT PANEL EDGES AND 12" ON CENTER IN FIELD, U.N.O. STAGGER PANELS AS REQUIRED TO AVOID
- LINING UP END JOINTS. WOOD STRUCTURAL PANEL ROOF SHEATHING SHALL BE BONDED BY EXTERIOR GLUE. ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. CONTRACTOR SHALL COORDINATE UNDER HUNG EQUIPMENT WITH ARCH
- AND TRUSS SUPPLIER. 9. TRUSS SUPPLIER SHALL COORDINATE RTU OPENING REQUIREMENTS WITH TRUSS SPACING. TRUSSES MAY REQUIRE SPACING LARGER THAN 24" O.C. THEREFORE TRUSS SUPPLIER SHALL PROVIDE GIRDER TRUSSES, BLOCKING AND BRIDGING AS REQUIRED FOR OPENINGS COORDINATE WITH MEP DRAWINGS.

	SPECIAL JOIST LOAD	S
MARK	SNOW DRIFT (PSF)	SNOW WIDTH (X)
SP1	43.5	10'-6"
SNOW DRIFT LOADS (PSF)	X POOF LINIEODM OF	

RE: JOIST SCHEDULE FOR DETAILS

ROOF UNIFORM GRAVITY LOADS

JOIST DIAGRAM

12 OF WEST PR NW PRYOR RD

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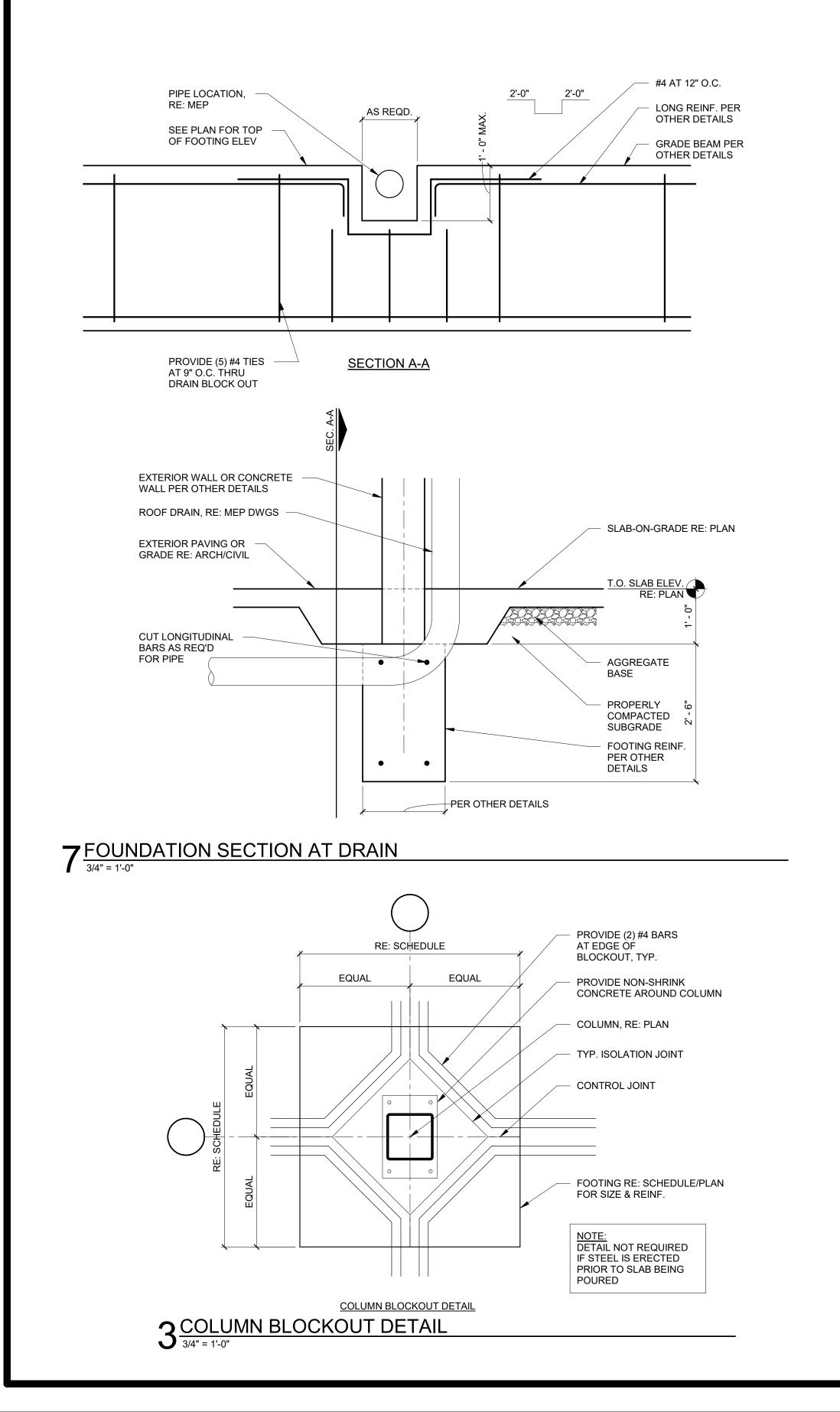


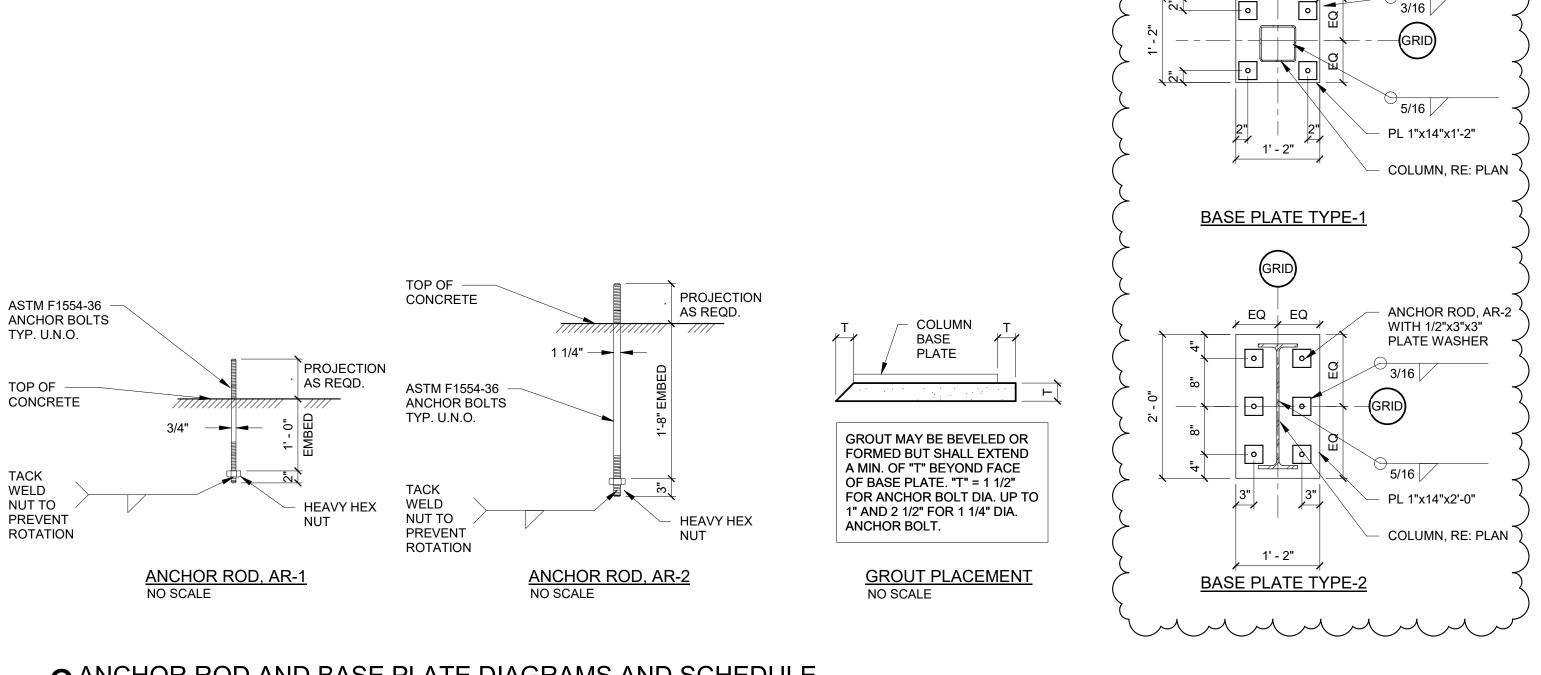
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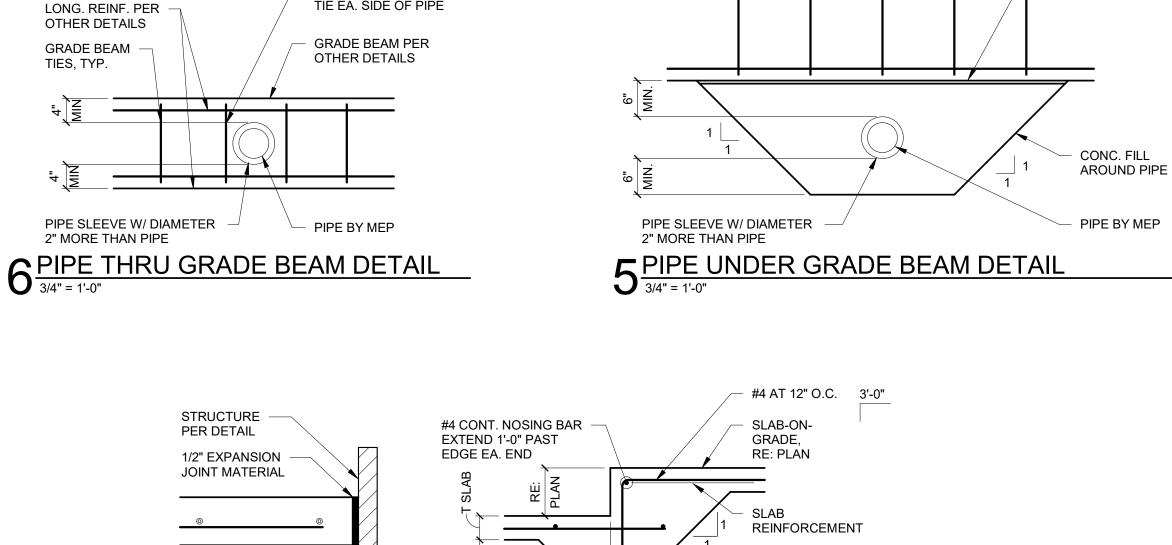




ISOLATION JOINT

FOOTING OR GRADE BEAM

8 ANCHOR ROD AND BASE PLATE DIAGRAMS AND SCHEDULE



SLAB STEP

- 1/4"x1" DEEP SAWCUT CONTROL JOINT. FILL WITH SEALANT AT EXPOSED JOINTS, AND FILL WITH

SUBFLOOR FILLER UNDER TILE AND CARPET. RE: SPECIFICATIONS.

CONTROL JOINT (C.J.)

1/2" DIA.x2'-0" SMOOTH DOWELS AT 24" O.C. GREASE ONE END

PROVIDE ADDITIONAL

TIE EA. SIDE OF PIPE

ISOLATION JOINT

2' - 0"

1' - 0" 1' - 0"

CONSTRUCTION JOINT (CONST. JT.)

2 SLAB-ON-GRADE JOINT DETAILS

3/4" = 1'-0"

	CONCR	ETE REINE	ORCING L	AP I FNGT	H SCHEDU	l F
BAR		Opsi		0psi	IVE STRENGT	0psi
SIZE	TOP BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER
#3	28"	22"	25"	19"	23"	18"
#4	38"	29"	33"	25"	31"	24"
#5	47"	36"	41"	31"	38"	30"
#6	56"	43"	49"	37"	46"	35"
#7	81"	63"	71"	54"	67"	51"
#8	93"	72"	81"	62"	76"	59"
#9	105"	81"	91"	70"	86"	66"
#10	118"	91"	102"	79"	96"	74"

LAP LENGTH

AT CORNERS

4 TYPICAL CORNER BAR DETAIL

3/4" = 1'-0"

1. LAP LENGTH FOR TOP BARS SHALL BE USED WHEN MORE THAN 12 INCHES OF FRESH CONCRETE IS PLACED BELOW HORIZONTAL REINFORCEMENT.

1 CONCRETE REINFORCING LAP SCHEDULE
3/4" = 1'-0"



RE: DETAILS FOR

CONT. FOOTING REINF. SIZE AND QUANTITY

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ANCHOR ROD, AR-1 WITH 1/2"x3"x3" PLATE WASHER

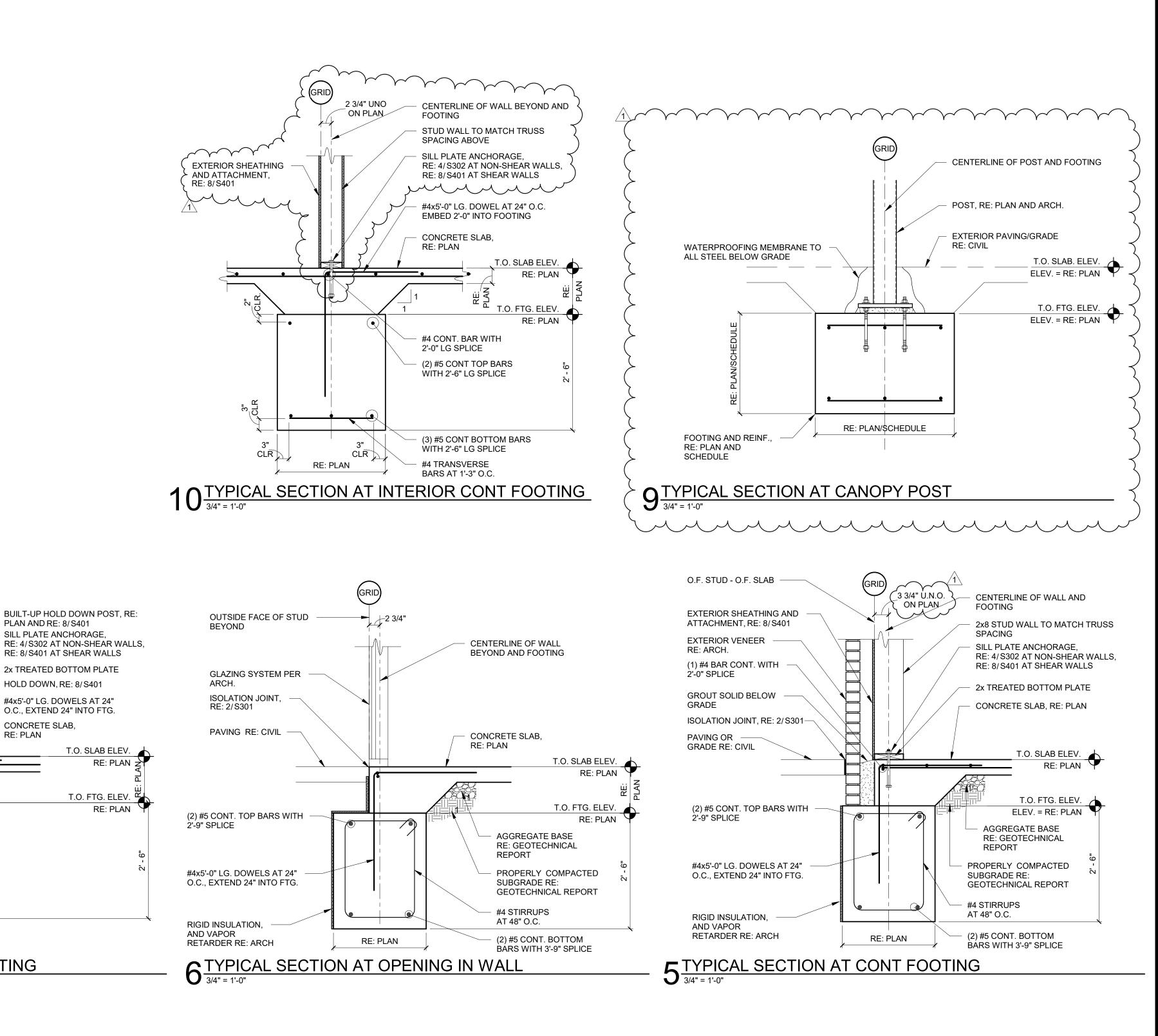
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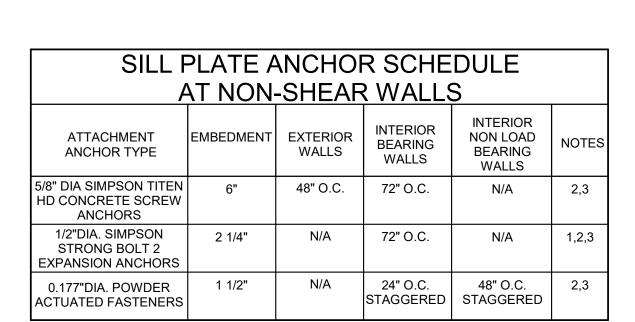
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O.F. STUD, EDGE

EXTERIOR SHEATHING

AND ATTACHMENT,

EXTERIOR VENEER

(1) #4 BAR CONT. WITH

OF SLAB

RE: 8/S401

B.O. OPENING

RE: ARCH.

PER ARCH.

2'-0" SPLICE

RE: 2/S301

PAVING OR

2'-9" SPLICE

GROUT SOLID

BELOW GRADE

ISOLATION JOINT,

GRADE RE: CIVIL

(2) #5 CONT. TOP BARS WITH

#4x5'-0" LG. DOWELS AT 24"

O.C., EXTEND 24" INTO FTG.

Q TYPICAL SECTION AT CONT FOOTING

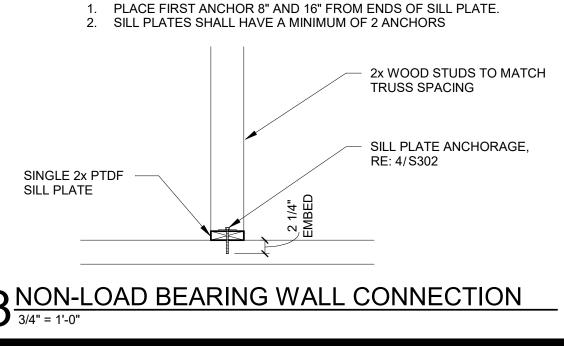
RIGID INSULATION

RETARDER RE: ARCH

AND VAPOR

- EXPANSION ANCHORS SHALL NOT BE ALLOWED WITHIN 6 INCHES OF SLAB
- REFER TO SHEARWALL SCHEDULE FOR ANCHORAGE REQUIREMENTS ABOVE AND BEYOND THIS SCHEDULE.
- 3. ALL HARDWARE IN CONTACT WITH ACQ TREATED LUMBER CLASS G185 MUST BE SIMPSON ZMAX PRODUCTS THAT MEET ASTM A653. 4. OVERSIZE WASHERS AT TOP OF SILL PLATE SHALL BE USED FOR ALL ANCHOR

4 SILL PLATE ANCHOR SCHEDULE AT NON-SHEAR WALLS
3/4" = 1'-0"



3 3/4" UNO ON PLAN

RE: PLAN/SCHEDULE

7 TYPICAL SECTION AT CONT FOOTING

PLAN AND RE: 8/S401

SILL PLATE ANCHORAGE,

HOLD DOWN, RE: 8/S401

CONCRETE SLAB,

RE: PLAN

#4x5'-0" LG. DOWELS AT 24"

CENTERLINE OF WALL

EXTERIOR SHEATHING

AND ATTACHMENT,

EXTERIOR VENEER

ISOLATION JOINT,

GRADE RE: CIVIL

(1) #4 BAR CONT. WITH

AND FOOTING

O.F. STUD, EDGE

OF SLAB

RE: 8/S401

PER ARCH.

2'-0" SPLICE

RE: 2/S301

PAVING OR

GROUT SOLID BELOW GRADE

CONT. REINF.

THRU FOOTING

FOOTING AND

REINF. RE: PLAN

AND SCHEDULE

GLAZING SYSTEM, RE: ARCH.

STUD WALL TO MATCH TRUSS

RE: 8/S401 AT SHEAR WALLS

AGGREGATE BASE

RE: GEOTECHNICAL

SUBGRADE RE:

#4 STIRRUPS

AT 48" O.C.

PROPERLY COMPACTED

GEOTECHNICAL REPORT

(2) #5 CONT. BOTTOM

BARS WITH 3'-9" SPLICE

REPORT

2x TREATED BOTTOM PLATE

RE: 4/S302 AT NON-SHEAR WALLS.

T.O. SLAB ELEV.

T.O. FTG. ELEV.

RE: PLAN

SILL PLATE ANCHORAGE,

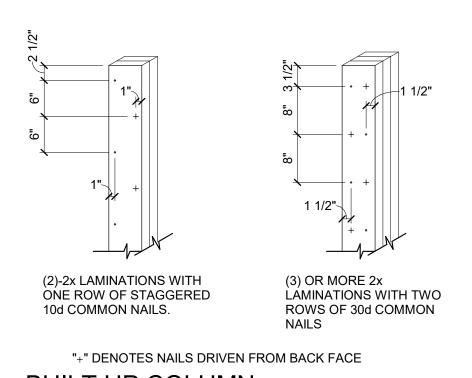
SPACING ABOVE

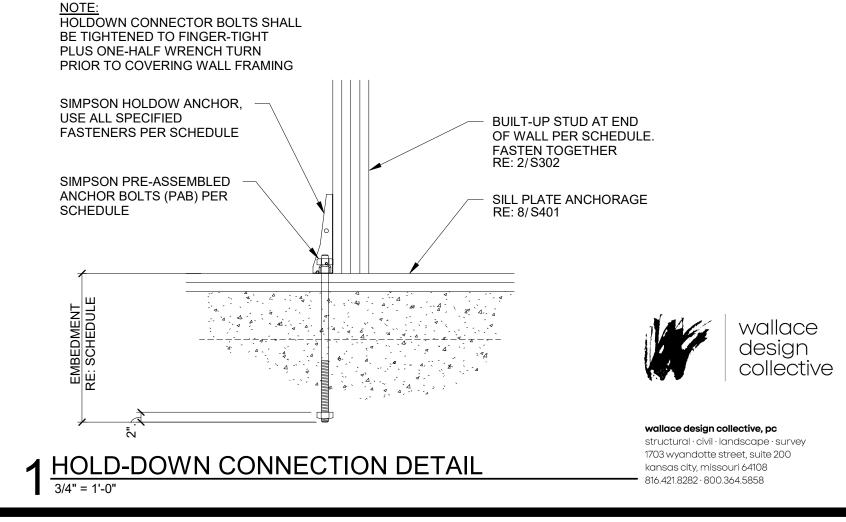
CONCRETE SLAB,

RE: PLAN

WINDOW SILL FRAMING, RE: 2/S401

CENTERLINE OF WALL AND FOOTING





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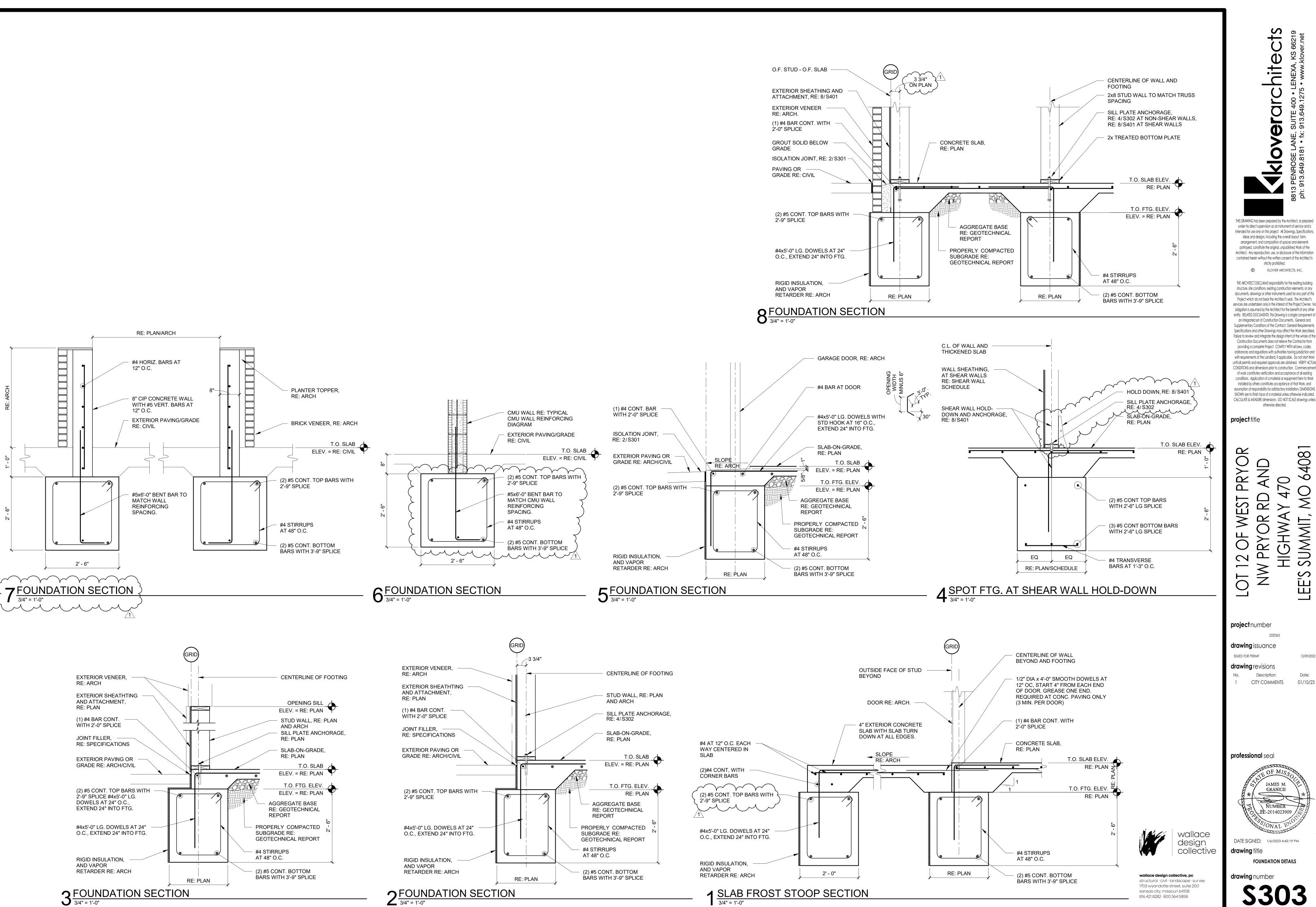
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FOUNDATION DETAILS

3 NON-LOAD BEARING WALL CONNECTION

3/4" = 1'-0"

PROJECT OF COLUMN



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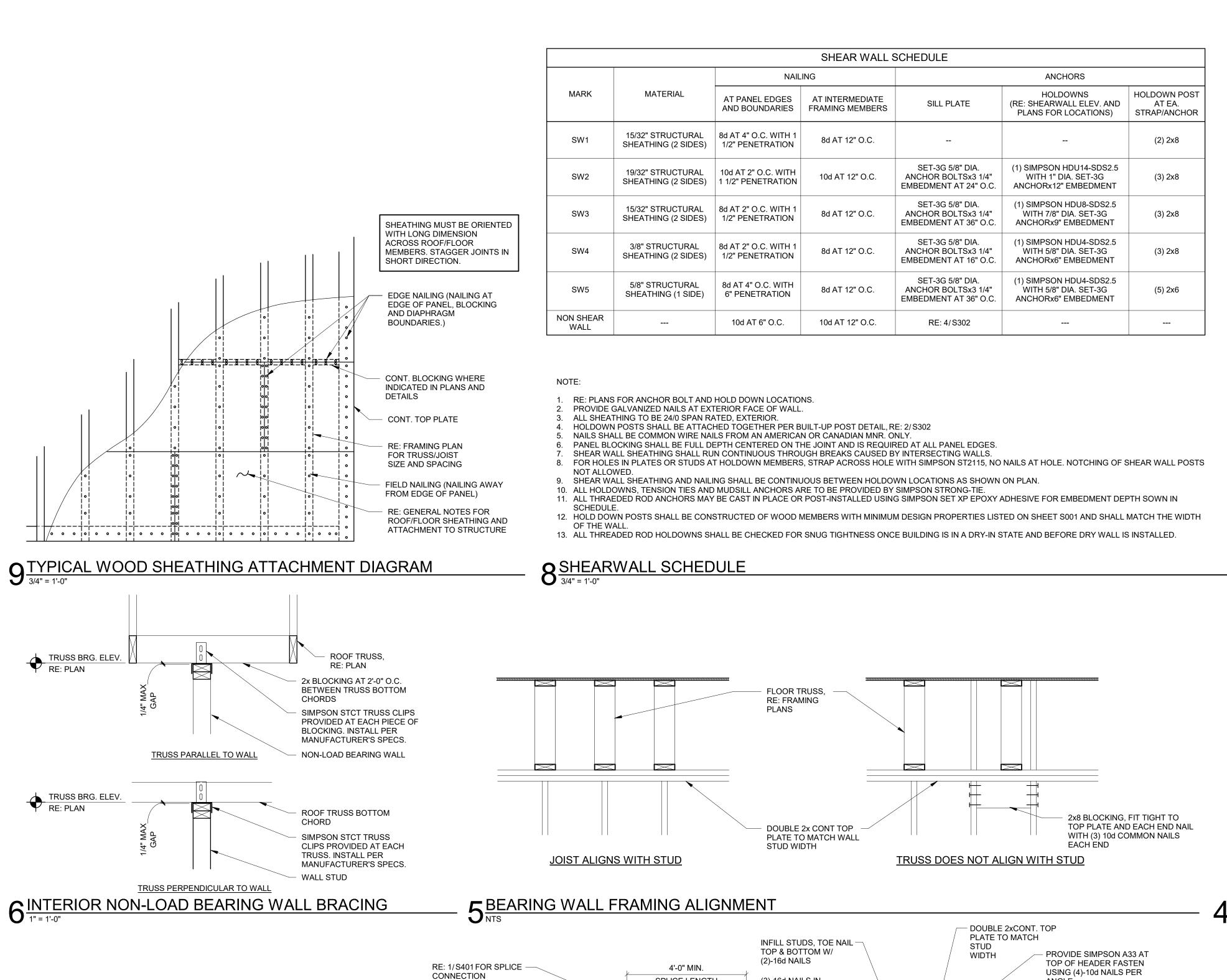
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JOIST HANGER SCHEDULE

TOP FLANGE HANGER

PF24

JB26

JB28

JB210A

JB212A

HUS28-2TF

HUS210-2TF

HUS212-2TF

1. THE ABOVE ARE MINIMUM HANGER REQUIREMENTS. REFER TO DETAILS FOR

HANGERS MAY BE USED THAT MEET OR EXCEED THE LISTED SIMPSON CAPACITY

ALTERNATE CONNECTIONS SHALL BE APPROVED BY THE ENGINEER OF RECORD.

2. ALL JOIST HANGERS ARE SIMPSON STRONG-TIE PRODUCTS. ALTERNATE

ONLY USE FACE MOUNTED HANGERS WHERE ALL FACE NAILING CAN BE

FILL ALL HOLES WITH FASTENERS PER MANUFACTURER'S REQUIREMENTS.

5. PROVIDE CONCEALED FASTENERS AND FINISH FOR EXPOSED CONNECTORS TO

INSTALLED PER THE MANUFACTURER'S REQUIREMENTS.

COMPLY WITH ARCHITECT'S OR OWNER'S REQUIREMENTS

? FRAMING HANGER SCHEDULE

FACE MOUNT HANGER

LUS24

LUS26

LUS26

LUS28

LUS210

LUS26-2

LUS28-2

LUS210-2

JOIST SIZE

2x4

2x6

2x8

2x10

2x12

(2)-2x8

(2)-2x10

(2)-2x12

FRAMING MEMBERS NOT SHOWN.

TRUSS BEARING RE: PLAN NAILING AT PANEL EDGES NAILING AT INTERMEDIATE -FRAMING MEMBERS BUILT-UP POSTS OR-SOLID POST AT HOLDOWN, RE: 2/S302 BLOCKING AT PANEL EDGES AS REQ'D. HOLDOWN ANCHOR EACH-END. RE: PLAN FOR EXTENT OF SHEAR WALLS. PROVIDE ADDITIONAL HOLDOWNS WITHIN THE LENGTH OF THE SHEAR WALL WHEN REQUIRED ON **PLANS**

1. RE: PLANS FOR THE LOCATION AND EXTENT OF SHEAR WALLS. SHEAR WALL SHALL BE CONNECTED TO MINIMUM DIMENSIONS SHOWN

- FOUNDATIO

- ON PLANS. PROVIDE GALVANIZED NAILS AT EXTERIOR FACE OF WALL
- RE: 8/S401FOR SHEATHING.

TRUSS MFR. SHALL PROVIDE-

PREFAB. SHEAR PANEL BLOCKING AT FRAMING PERPENDICULAR TO SHEAR

WALL, RE: DETAILS

- HOLDOWN POSTS SHALL BE ATTACHED TOGETHER PER BUILT-UP COLUMN DETAIL RE: 2/S302
- NAILS SHALL BE COMMON FROM AN AMERICAN OR CANADIAN MFR ONLY.
- PANEL BLOCKING SHALL BE FULL DEPTH AND BE PLACED FLAT CENTERED ON THE JOINT SHEAR WALL SHEATHING SHALL RUN CONTINUOUS THROUGH BREAKS CAUSED BY INTERSECTING WALLS.
- 8. SHEAR WALL SHEATHING AND NAILING SHALL BE CONTINUOUS BETWEEN HOLDOWN POST LOCATIONS AS SHOWN ON PLAN.
- 9. ALL THREADED ROD ANCHORS SHALL BE DRILLED IN USING SIMPSON SET XP EPOXY ADHESIVE. 10. NOTCHING OF SHEAR WALL END POSTS IS NOT ALLOWED.

	۷	1 H	ĮΕ	ADER SCHI	EDULE	
PLAN MARK	{	# OF SILLS (IF REQUIRED)	Ž	(# OF HEADERS) HEADER SIZE	# OF 2x8 TRIMMER STUDS	# OF 2x8 JAMBS
H1		-	Z	(2)-2x6	(1)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H2	کر	(3)-2x8) (3)-2x8	(1)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H3		(3)-2x8	Į	(3)-2x10	(1)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H4	\supset	-	\dashv	(3)-1 3/4"x8" LVL	(2)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H5	ζ	-	T^{z})(3)-1 3/4"x10" LVL	(2)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H6	\nearrow	(3)-2x8	$\exists \exists$	(3)-1 3/4"x12" LVL	(2)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H7	7	-	\Box)(3)-1 3/4"x20" LVL	(2)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H8	\nearrow	-	$\exists \exists$	W24x55	(2)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H9	7	-		(3)-2x12	(1)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING

1. USE 1/4" THICK BEADS OF LIQUID NAILS CONSTRUCTION ADHESIVE BETWEEN EA. PLY OF BUILT-UP HEADERS TO PRODUCE

MEMBERS SAME THICKNESS AS WALL STUDS. 2. VERIFY LENGTH OF HEADERS W/ STRUCTURAL & ARCHITECTURAL PLANS. 3. WALL OPENING FRAMING ELEVATION PER 2/S401.

▲ HEADER SCHEDULE

1/2" FILLER

2x6 WALL

TYP. HEADER SECTION

2x8 WALL

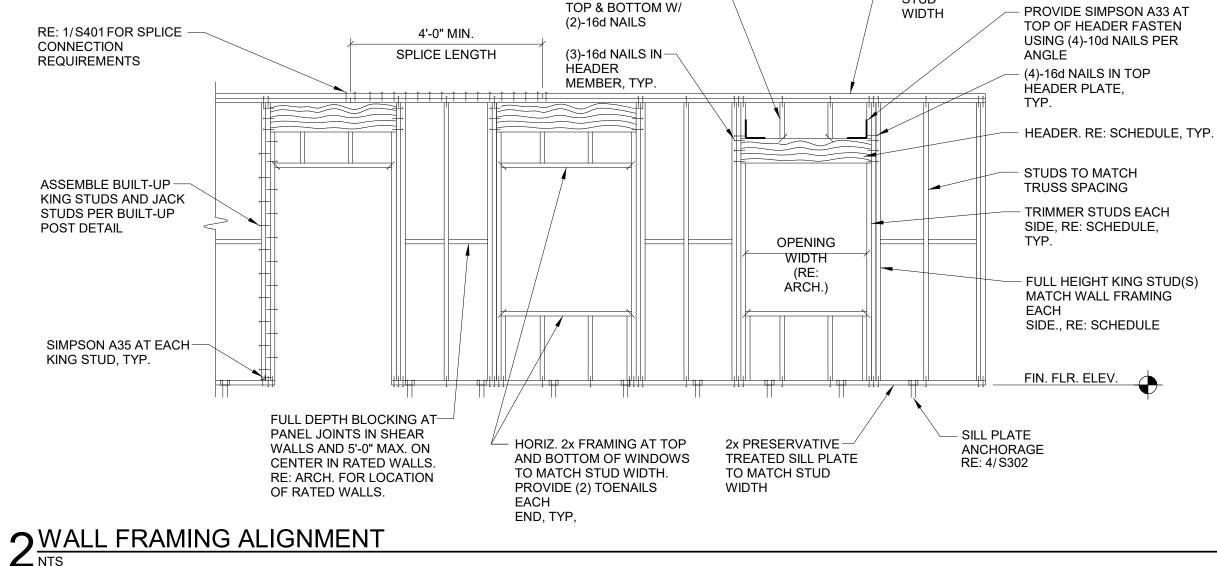
16d COMMON-

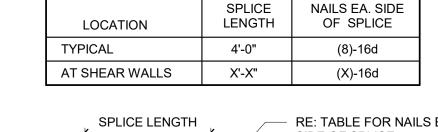
WIRE NAILS

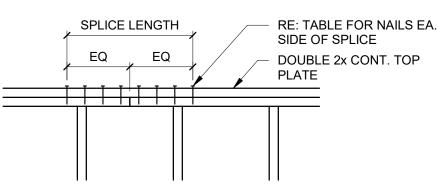
STAGGERED

12" O.C.

(TYP.)







1. END JOINTS IN DOUBLE TOP PLATES SHALL OFFSET A MINIMUM OF 48".

- 2. INSTALL DOUBLE TOP PLATE SPLICE AT ALL SHEAR WALLS,
- EXTERIOR WALLS AND BEARING WALLS. 3. SPECIFIC SPLICE REQUIREMENTS DO NOT APPLY TO

INTERIOR NON-SHEAR WALLS UNLESS NOTED OTHERWISE 1 TYPICAL TOP PLATE SPLICE



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conditions. Application of a material or equipment item to Work

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RE: PLAN FOR MINIMUM

SHEAR WALL LENGTH, TYP

STAGGER PANEL

IN SHEAR WALLS, TYP.

RE: DETAILS FOR TYPICAL

WALL FRAMING

PRESSURE TREATED SILL PLATE

SILL PLATE ANCHOR RE:

SCHEDULE

DETAILS AND SHEAR WALL

JOINTS

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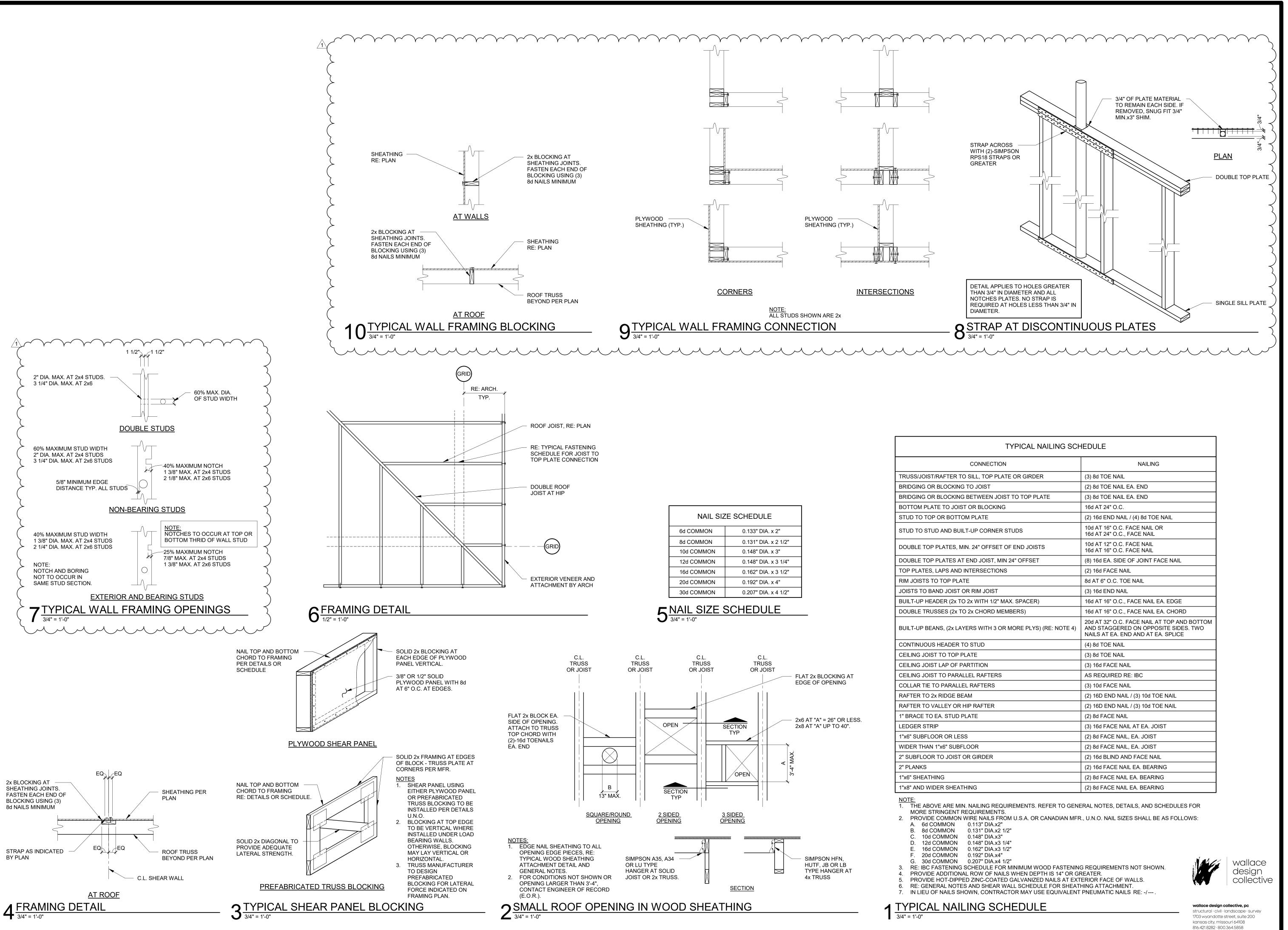
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DATE SIGNED: 1/6/2023 4:42:20 PM drawing title FRAMING DETAILS



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installed by others constitutes acceptance of that Work, and

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CALCULATE & MEASURE dimensions - DO NOT SCALE drawings unless otherwise directed.

project title

VEST PRYOR R RD AND AY 470

OT 12 OF WEST F NW PRYOR RD HIGHWAY 47 EE'S SUMMIT, MC

project number

drawing issuance

drawing revisions

No. Description:
1 CITY COMMENTS

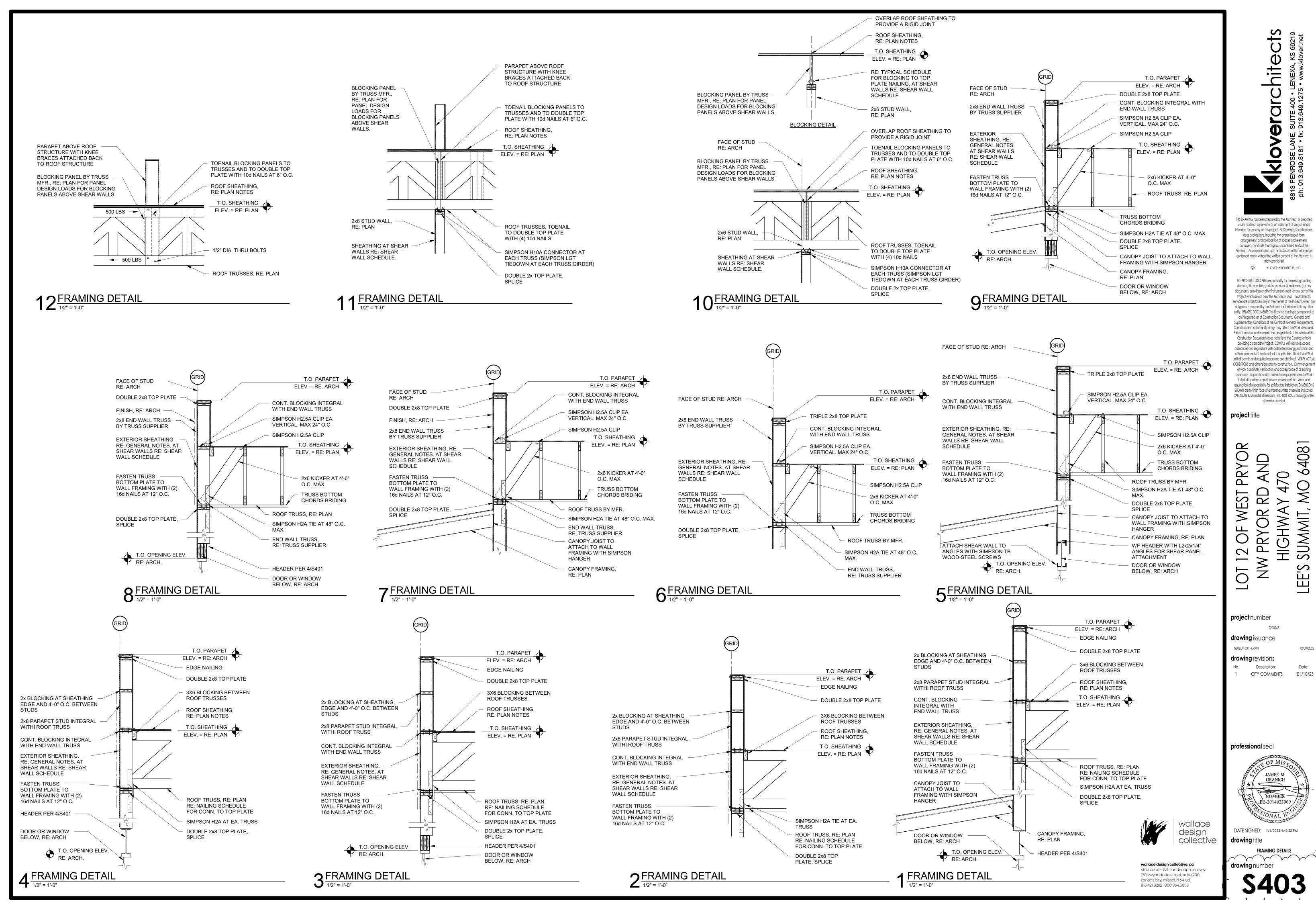


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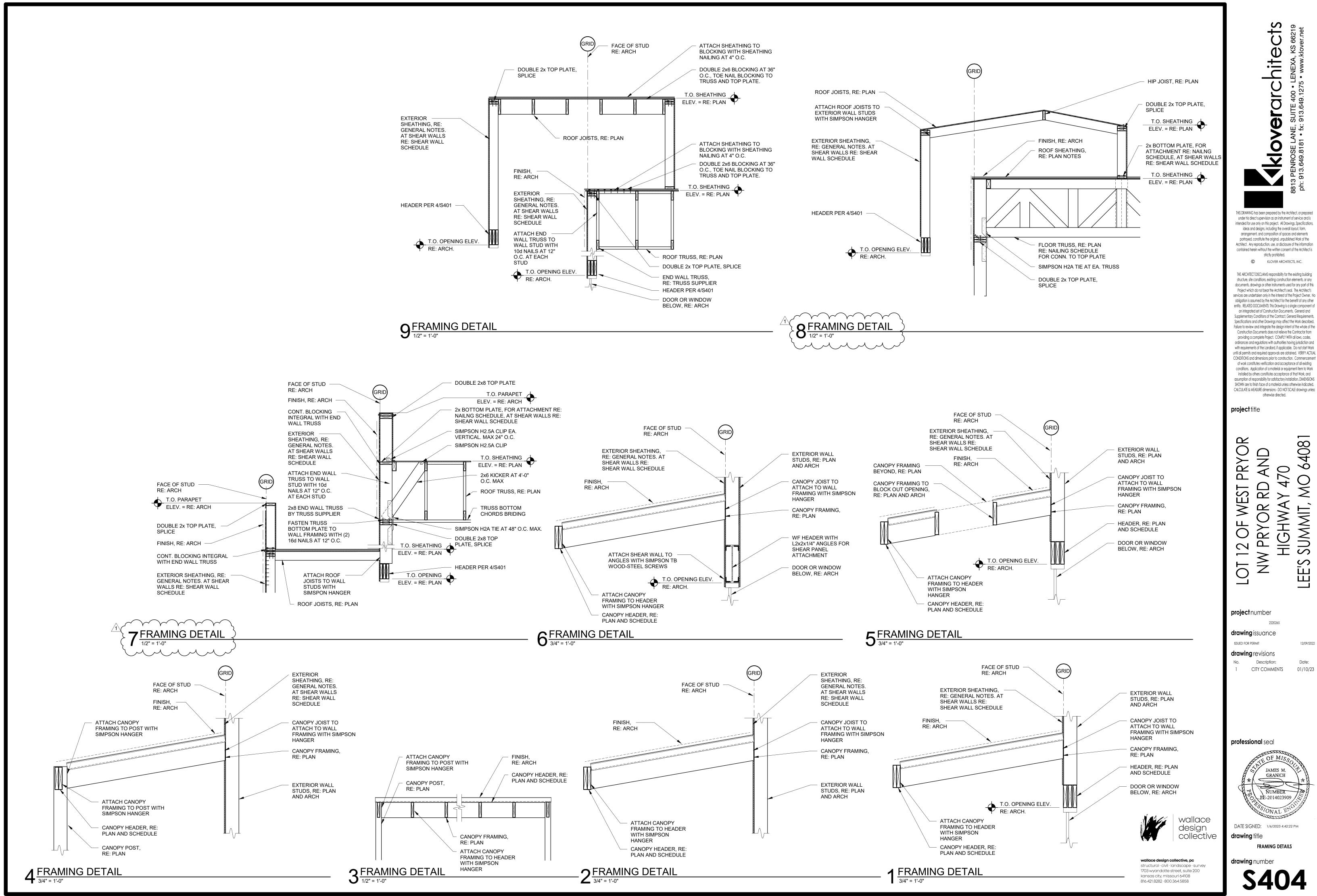
drawing title

Irawing number

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documents, drawings or other instruments used for any part of this obligation is assumed by the Architect for the benefit of any other Supplementary Conditions of the Contract, General Requirements Specifications and other Drawings may affect the Work described ordinances and regulations with authorities having jurisdiction and with requirements of the Landlord, if applicable. Do not start Work ONDITIONS and dimensions prior to construction. Commencemen



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otherwise directed.

project title

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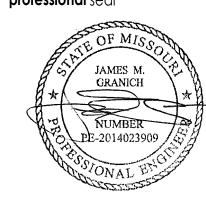
project number

drawing issuance ISSUED FOR PERMIT

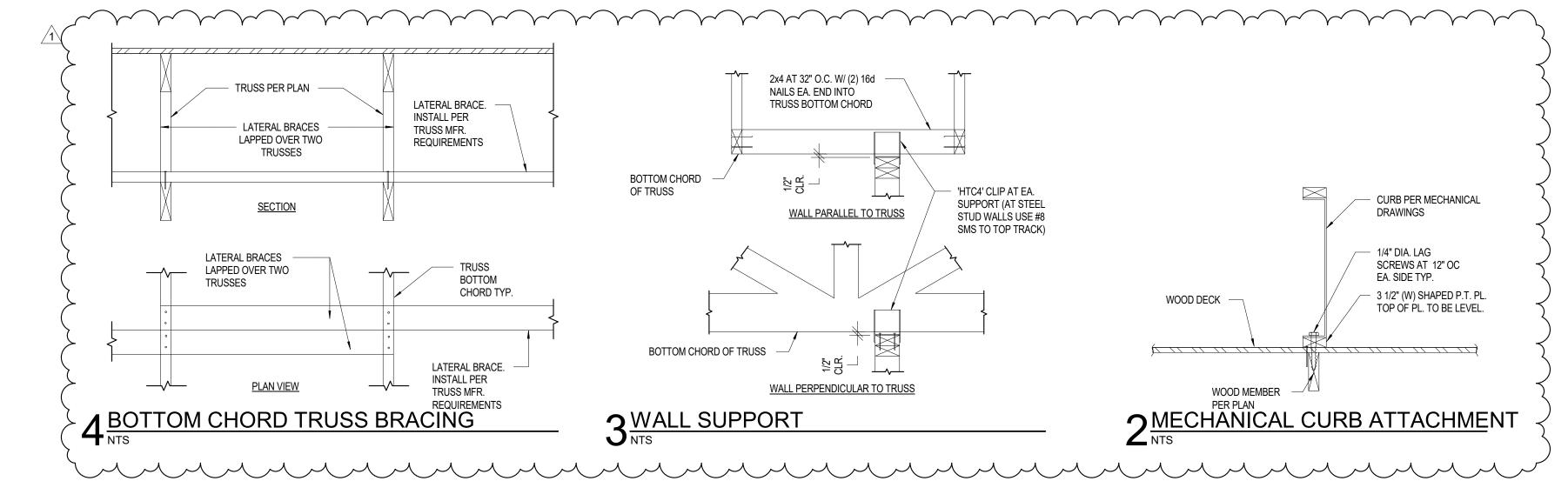
drawing revisions Description:

1 CITY COMMENTS

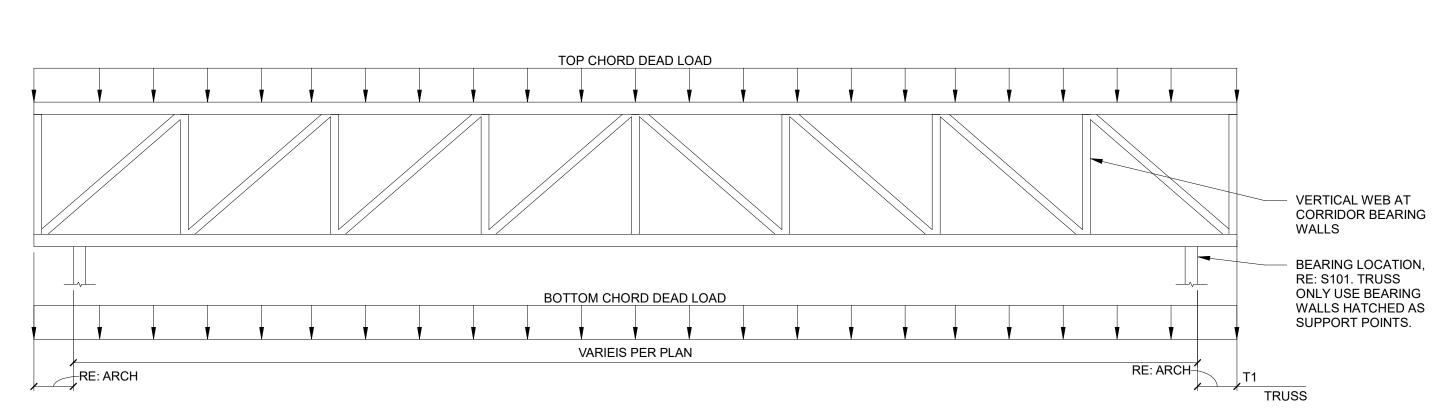
professional seal



DATE SIGNED: 1/6/2023 4:42:22 PM drawing title FRAMING DETAILS



TOP CHORD LIVE LOAD OR SNOW LOAD



ROOF TRUSS NOTES:

- 1. RE: SHEET S001, FOR PREFABRICATED WOOD TRUSS REQUIREMENTS: 2. ROOF PITCH, AND SOFFIT GEOMETRY SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL
- DRAWINGS FOR ACTUAL GEOMETIRES.
- 3. TRUSS WEB MEMBERS ARE SHOWN FOR REFERENCE ONLY. DESIGN AND ARRANGEMENT OF TRUSS WEB MEMBERS ARE REPOBSIBILITY OF THE WOOD TRUSS SUPPLIER. 4. TRUSS CONNECTIONS TO BEARING LOCATIONS, HEADERS, OR GIRDER TRUSS SHALL BE PER
- THE TRUSS SUPPLIER. 5. TRUSS DESIGNER SHALL ACCOUNT FOR TRUSS SELF WEIGHT DEAD LOAD.
- 6. TRUSS DESIGNER SHALL CONFORM TO THE 2018 IBC CODE FOR LOAD COMBINATOINS, UNBALANCED SNOW LOAD REQUIREMENTS, AND SPECIAL WIND CONDITIONS AT EAVES AND
- 7. DESIGN OF ROOF TRUSSES SHALL INCLUDE ALL NECESSARY BRACING, BRIDGING AND/OR
- CONNECTIONS TO TRANSMIT THE REQUIRED LOADS INTO THE STRUCTURE. 8. TRUSS SPACING SHALL NOT EXCEED 24" O.C. UNLESS SPECIFIED OTHERWISE ON THE
- 9. SUBMITTAL DOCUMENTS SHALL INCLUDE SUBSTANTIATING STRUCTURAL CALCULATIONS AND DRAWINGS SHALL BE STAMPED AND SIGNED BY A REGISTERED PROFESSIONAL
- ENGINEER IN THE STATE OF MISSOURI. 10. GIRDER TRUSSES SHALL BE DESIGNED FOR MINIMUM DEAD LOADS ADN LIVE LOADS SHOWN
- PLUS CONCENTRATED GIRDER LOADS, SEE DIAGRAMS THIS SHEET.
- 11. TRUSS GIRDER SUPPLIER MUST PROVIDE CONNECTIONS FOR TRUSS-TO-TRUSS AND TRUSS
- BEARING CONECTIONS.

TRUSSES (RE: MEP DRAWINGS).

12. TRUSS SHALL BE LIMITED TO LIVE LOAD DEFLECTION OF 1/2". 13. TRUSS SUPPLIER SHALL DESIGN TRUSSES FOR MECHANICAL EQUIPMENT SUSPENDED FROM



collective

FRAMING DETAILS

drawing title

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project title

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project number

drawing issuance

drawing revisions

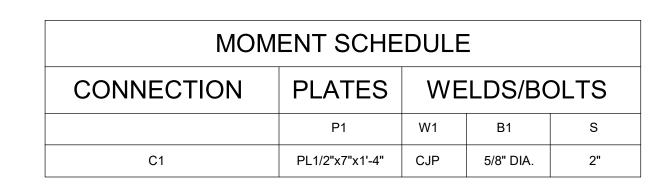
professional seal

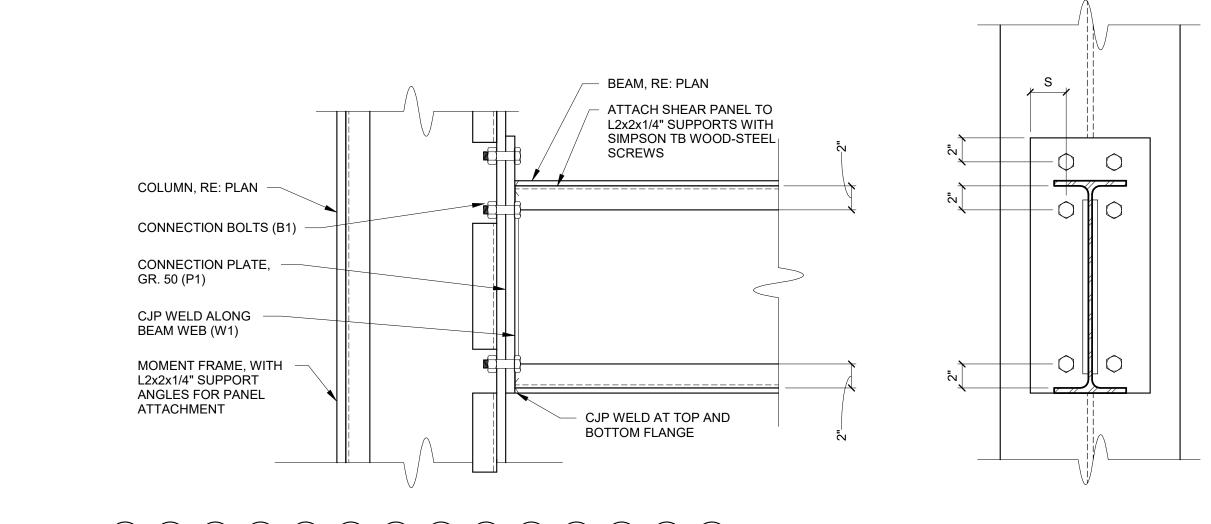
1 CITY COMMENTS

Description:

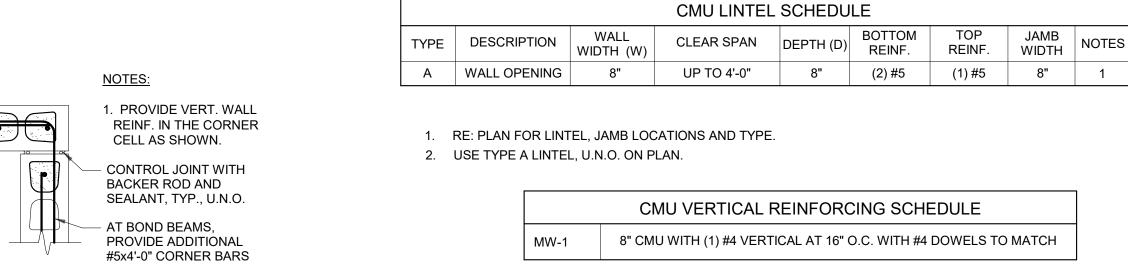
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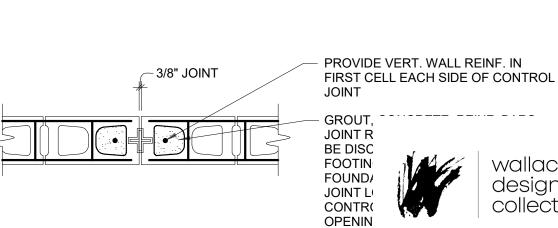




REINFORCING NOTES: 1. ALL BOND BEAMS SHALL HAVE (2) #5 BAR CONTINUOUS. 2. USE LINTEL BLOCKS ONLY FOR BOTTOM COURSE OF LINTEL BEAMS AND REINFORCE WITH (2) #5 BAR CONTINUOUS AT ALL OPENINGS

4'-0" BOND **BEAM LAP** RE: LAP SCHEDULE

BOND BEAM STEP (NOT AT CONTROL JOINT)



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DATE SIGNED: 1/6/2023 4:42:24 PM drawing title FRAMING DETAILS

NUMBER

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otherwise directed.

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SUMMIT,

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project number

drawing issuance

drawing revisions

professional seal

Description:

1 CITY COMMENTS

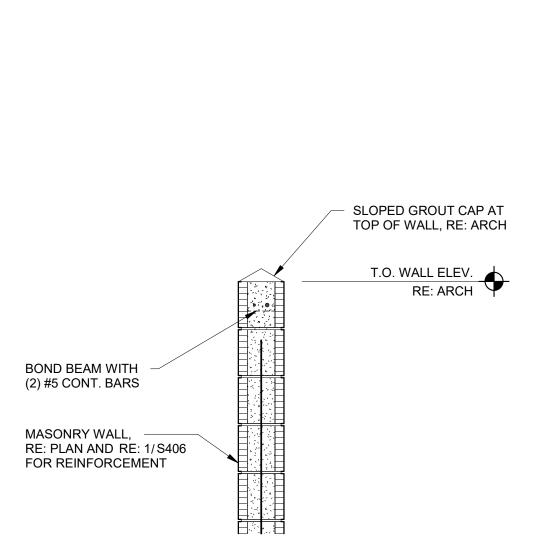
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project title

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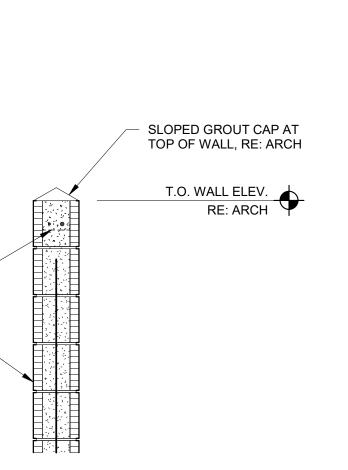
obligation is assumed by the Architect for the benefit of any other

drawing number



2 CMU WALL DETAIL

3/4" = 1'-0"



1 CMU WALL REINFORCING DIAGRAM
3/4" = 1'-0"

RE: JAMB

DETAIL

1. REFER CMU REINFORCING LAP SCHEDULE FOR SPLICES IN VERTICAL

USE LINTEL BLOCKS ONLY FOR BOTTOM COURSE OF LINTEL BEAMS.

PROVIDE DOWELS TO MATCH ALL VERTICAL REINFORCING LOCATIONS.

BEAM BELOW THE OPENING TO THE BOND BEAM ABOVE THE OPENING.

REINFORCEMENT WITH STANDARD ACI HOOK.

EXTEND GROUTED LINTEL A MINIMUM OF 2'-0" BEYOND FACE OF OPENING EACH

ALL VERTICAL BARS AT JAMBS AND PILASTERS SHALL EXTEND FROM THE BOND

TOW EL RE: ARCH

FINISH FLOOR
RE: FND PLAN

TOF RE: FND PLAN

8. CONTINUE HORIZONTAL REINFORCING INTO JAMB AND PROVIDE STANDARD ACI

CONTINUE VERTICAL REINFORCING INTO LINTEL BEAM WITH STANDARD ACI

SIDE FOR STRAIGHT LINTEL REINFORCEMENT AND 1'-4" FOR HOOKED LINTEL, UNO

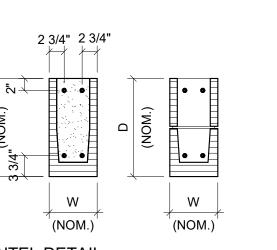
REINFORCING. BOND BEAM.

HOOK INTO END CELL

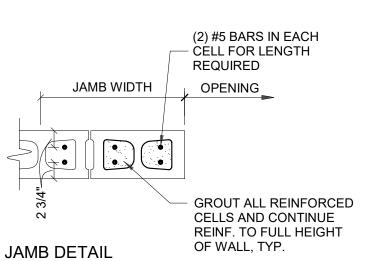
9. BOND BEAM AT TOP OF WALL.

LAP BARS AT BAR POSITIONER

VERTICAL BAR PLACEMENT

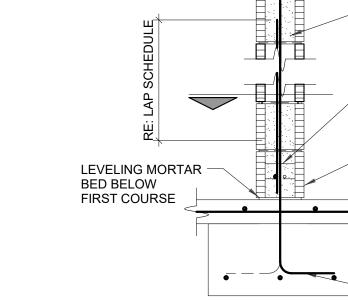


LINTEL DETAIL



CORNER DETAIL

TYPICAL CORNER



BAR POSITIONER AT 8" MAXIMUM ABOVE TOP OF GROUT LIFT, TYP. PROVIDE HORIZONTAL JOINT REINF. AT 16" O.C. ABOVE GRADE AND 8" O.C. **BELOW GRADE** RE: DETAILS FOR CMU VERTICAL REINFORCING SIZE AND SPACING USE LOW LIFT METHOD OF GROUTING (MAX. GROUT LIFT = 5'-0"). SPLICE LENGTHS T.O. SLAB ELEV.

VERTICAL REINF. IN 6'-0" TO 8'-0" HOLD TOP OF EACH GROUT LIFT 2" DOWN BELOW TOP OF BLOCK TO PROVIDE KEY FOR NEXT LIFT, BOND BEAM WITH (2) #5 CONT

BOND BEAM AT TOP OF

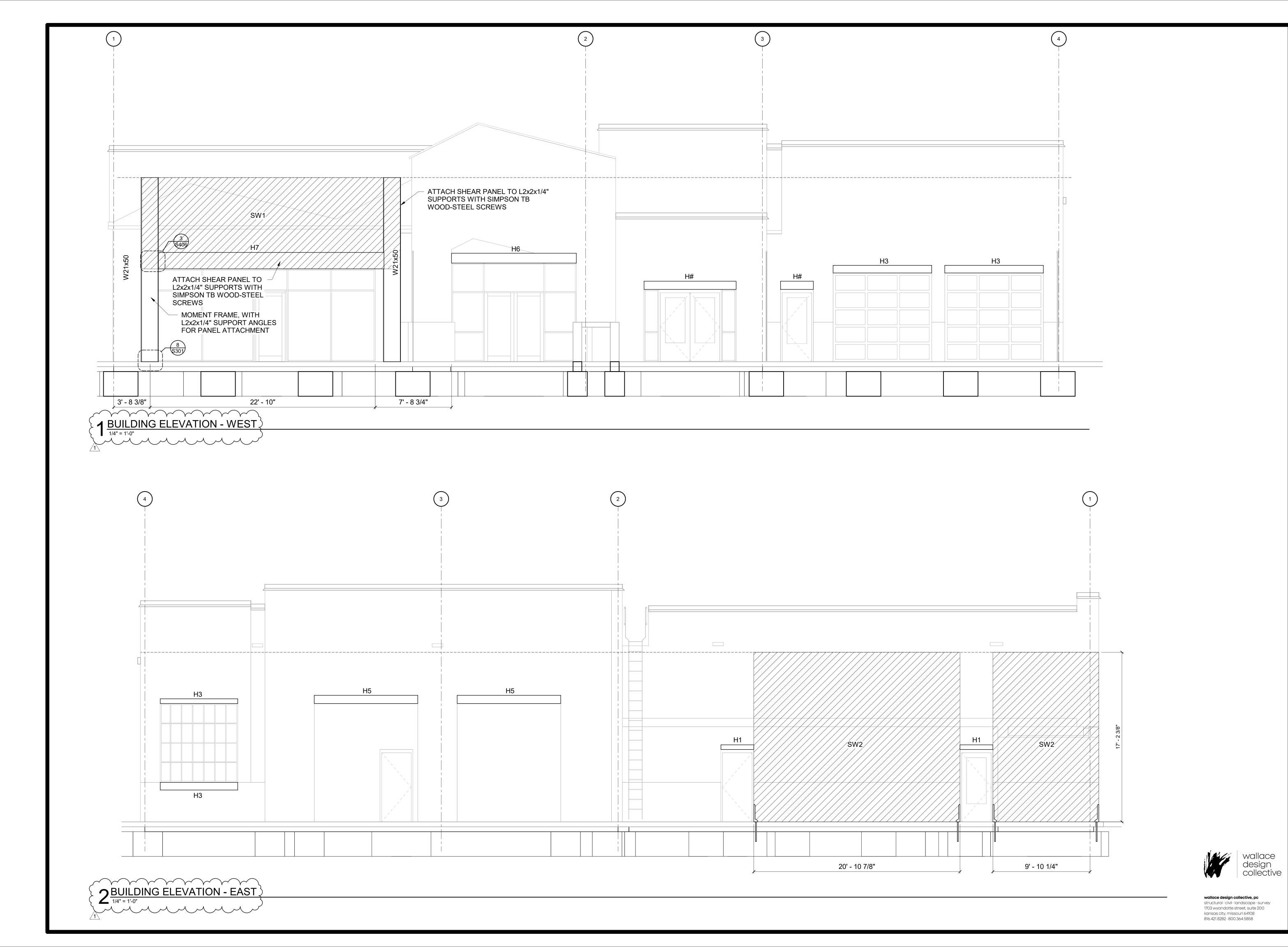
WALL WITH (2) #5

STANDARD ACI HOOK PLACED

DIRECTLY ON FOOTING

EXPANSION/CONTROL JOINT DETAIL

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LOT 12 OF WEST PR NW PRYOR RD

project title

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project number drawing issuance

ISSUED FOR PERMIT

drawing revisions

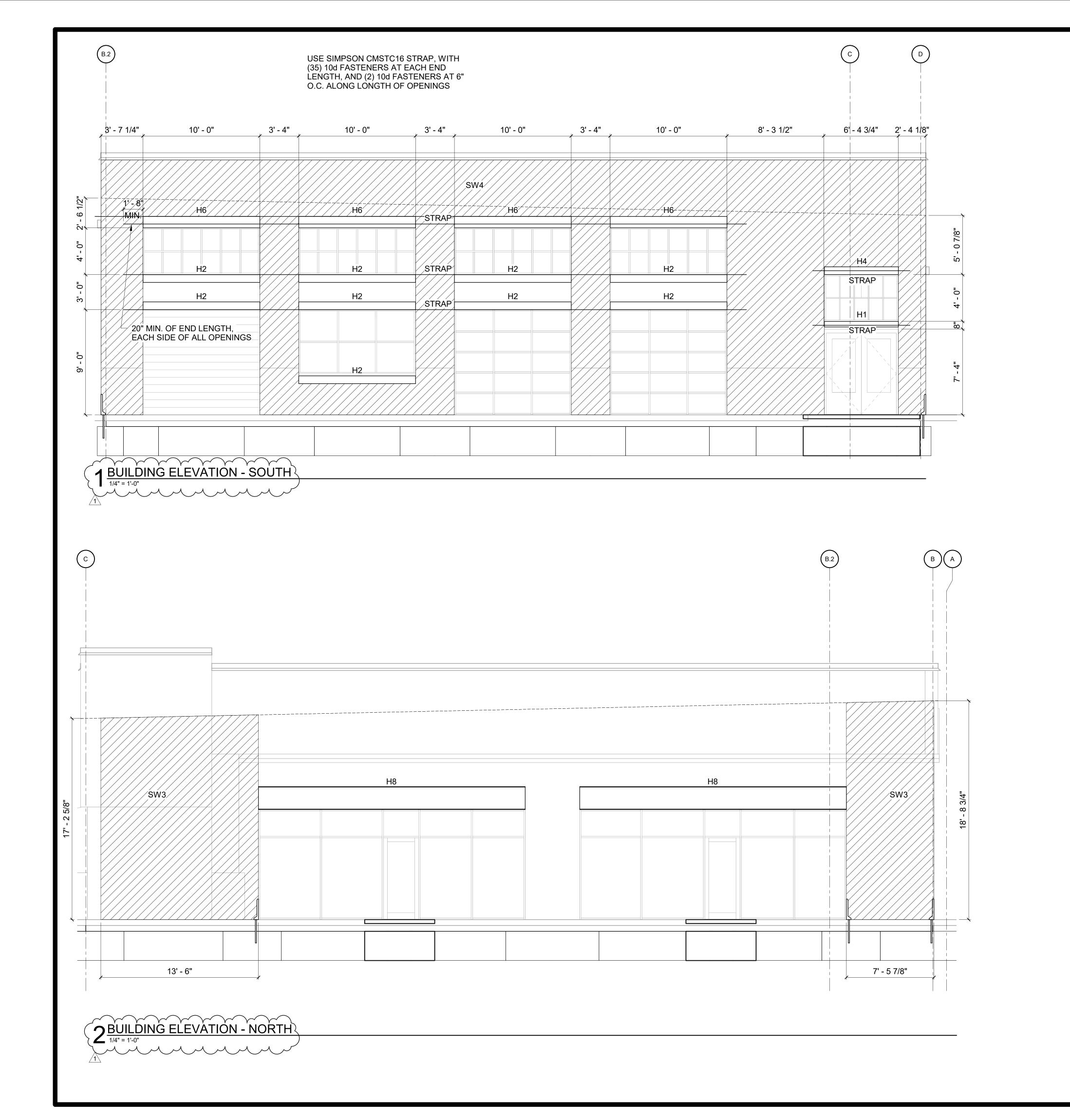
No. Description:

1 CITY COMMENTS



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BUILDING ELEVATIONS





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project title

LOT 12 OF WEST PR

project number

drawing issuance

drawing revisions

No. Description:

1 CITY COMMENTS

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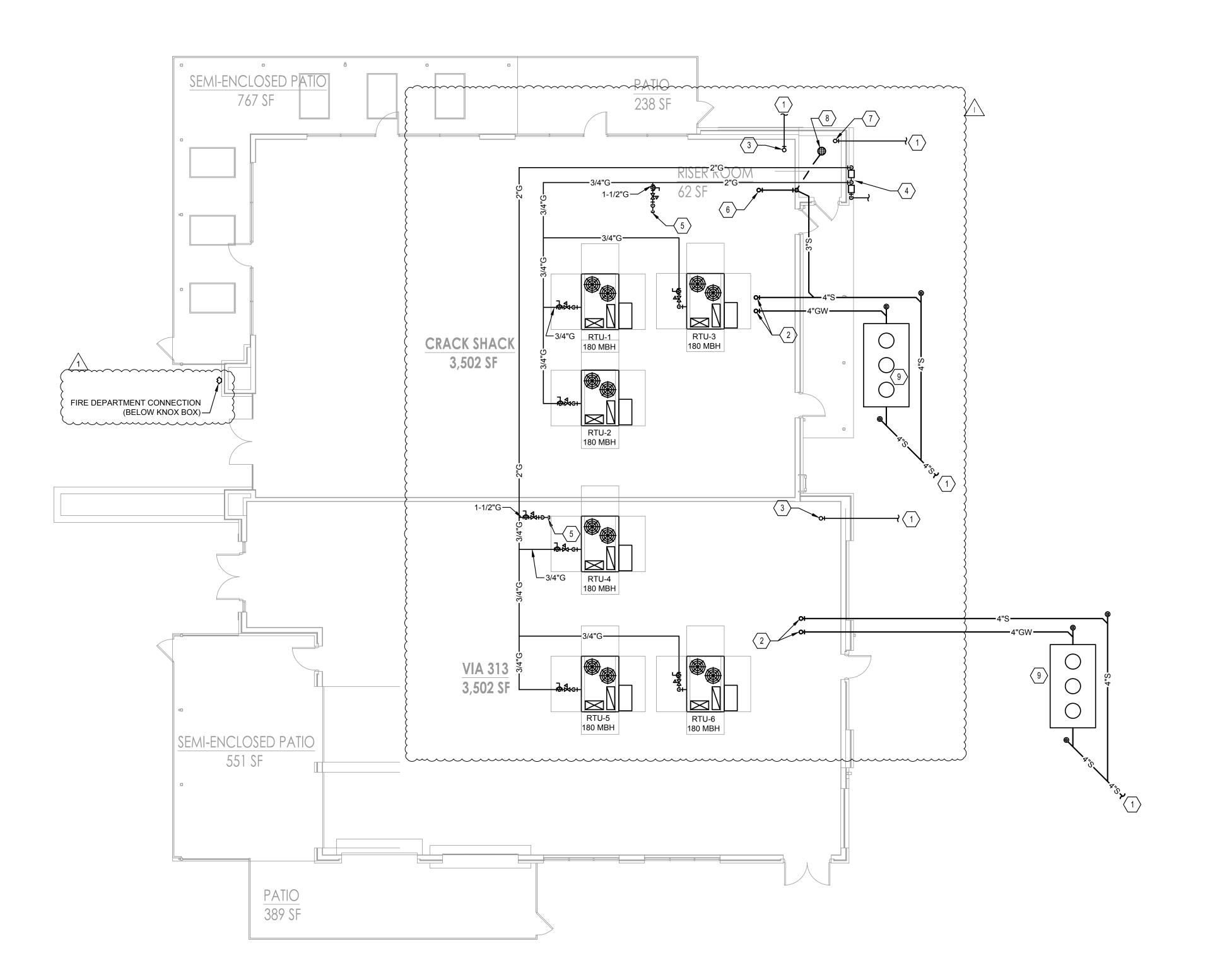
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NW PRYOR RD

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BUILDING ELEVATIONS





GENERAL NOTES (NOT ALL NOTES APPLY)

- REFERENCE SHEET P1.01 FOR GENERAL NOTES, SYMBOLS, AND
- ABBREVIATIONS. . ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN CONFORMANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES HAVING JURISDICTION
- AND INSPECTION. 3. COORDINATE THE COMPLETE INSTALLATION OF SYSTEMS TO AVOID CONFLICT WITH OTHER
- PROVIDE TO OWNER A COPY OF ALL REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS AND ALL PLUMBING SYSTEMS EQUIPMENT MANUALS INCLUDING WARRANTIES. . COORDINATE ALL ABOVE SLAB AND UNDER SLAB SANITARY, AND WATER PIPING SYSTEMS TO AVOID CONFLICT WITH ALL OTHER TRADES SYSTEMS, AND COLUMN FOOTINGS.
- ALL SOIL AND WASTE PIPING SHALL BE GRADED TO A UNIFORM SLOPE OF NOT LESS THAN 1/8" PER FOOT FOR PIPING 4" OR LARGER, AND NOT LESS THAN 1/4" PER FOOT FOR PIPING 3" OR SMALLER. COORDINATE FINAL INVERTS WITH EXISTING PIPING PRIOR TO ROUGH-IN OF UNDER SLAB INSTALLATION.
- 6. COORDINATE ALL FLOOR DRAINS, CLEANOUTS, AND FLOOR MOUNTED FIXTURES WITH FINISHED FLOOR SLAB ELEVATION TO ENSURE THEY ARE INSTALLED PLUM AND FLUSH WITHOUT CRACKS, RISE IN THE SLAB, OR VOIDS AROUND GRATES OR TOPS. ALL CLEANOUTS SHALL B INSTALLED ALONG MAINS AT 50'-0" DISTANCE MAXIMUM. ALL FLOOR AND WALL CLEANOUTS SHALL BE ACCESSIBLE FOR MAINTENANCE AND NOT INSTALLED BENEATH EQUIPMENT. ANY DRAIN GRATES THAT ARE DAMAGED AS A RESULT OF OTHER CONSTRUCTION PRIOR TO RELEASE OF THE BUILDING TO THE OWNER SHALL BE REPLACED WITH LIKE GRATE AT NO EXPENSE
- OF THE OWNER. . PROVIDE TRAP AND SEAL PRIMERS ON ALL FLOOR DRAINS IF REQUIRED BY CODE OR OWNER.
- 8. PLUMBING VENTS THROUGH THE ROOF ARE LOCATED AT A MINIMUM OF 5'-0" FROM BUILDING PARAPETS AND 10'-0" FROM FRESH AIR INTAKES AND AS REQUIRED TO MEET LOCAL
- 9. ALL EXPOSED PIPES PENETRATING FINISHED WALLS SHALL BE **EQUIPPED WITH WALL** ESCUTCHEONS.
- 10.PROVIDE FINAL CONNECTIONS FOR ALL EQUIPMENT SPECIFIED IN PLUMBING FIXTURES AND **EQUIPMENT SCHEDULES ON THESE** CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. PROVIDE ALL REQUIRED SHUT-OFFS BACKFLOW PREVENTERS, PRESSURE REGULATORS, AND CONDENSATE DRAINS INDICATED OF PLUMBING SCHEDULES AND AS REQUIRED BY LOCAL CODES FOR COMPLETE EQUIPMENT INSTALLATION. CONSULT **EQUIPMENT SUPPLIER OR OWNER** FOR ADDITIONAL FINAL CONNECTION

REQUIREMENTS NOT SHOWN ON

KEYED NOTES:

THESE DRAWINGS.

- . REFERENCE CIVIL DRAWINGS FOR CONTINUATION.
- 2. TEMPORARILY CAP 4" SANITARY AND 4" GREASE WASTE LINES FOR CONTINUATION BY TENANT. MINIMUM INVERT 48" AT THIS POINT. B. INSTALL 1-1/2" WATTS 009 BACKFLOW PREVENTER (OR EQUAL) CAP LINE AFTER BACKFLOW FOR CONTINUATION BY TENANT
- 4. COORDINATE WITH GAS UTILITY FOR INSTALLATION OF NEW GAS SERVICE. TOTAL ESTIMATED LOAD 3,040 MBH PER TENANT, PIPING SIZED AT 2 PSI. 5. CAP 3" GAS PIPING WITH SHUTOFF FOR CONTINUATION BY TENANT. 2,500 MBH ESTIMATED LOAD. 3. 3" VENT UP TO 3"VTR MAINTAIN A MINIMUM 10' FROM ALL FRESH AIR
- INTAKES AND 1' FROM ALL VERTICAL SURFACES.
- 7. FIRE PROTECTION LINE SHOWN FOR REFERENCE ONLY.
- 8. PROVIDE ZURN FD-2220-PV3 FLOOR DRAIN OR EQUAL.
- 9. PROVIDE GRAVITY GREASE INTERCEPTOR, PRECAST CONCRETE 1,500 GALLON MINIMUM, OF TYPE COMPLYING WITH ALL LOCAL AND STATE CODES.

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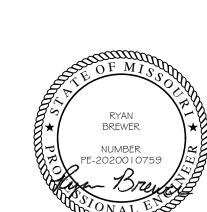
project number

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drawing issuance

drawing revisions

City Comments 01/10/23

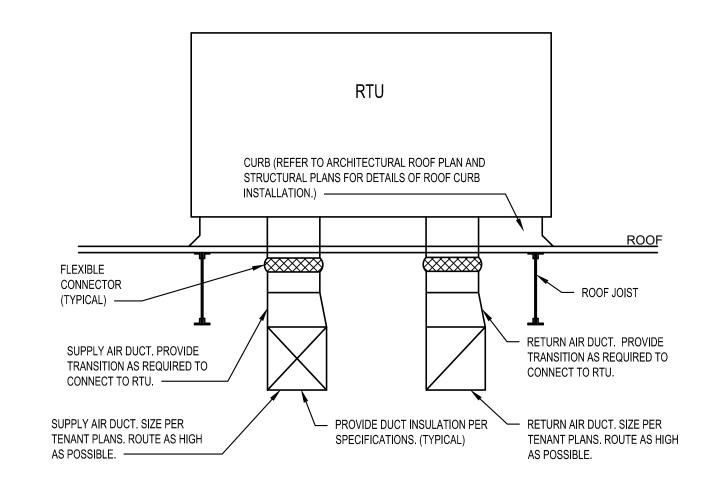


DATE SIGNED: 01/10/2023 **drawing** title

PLUMBING

PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED. VERIFY CONNECTION LOCATIONS BEFORE INSTALLING PIPE RUNS.

ROOFTOP UNIT PIPING DETAIL NOT TO SCALE



ROOFTOP UNIT DUCTWORK DETAIL NOT TO SCALE

ELEC	TRIC WA	LL UN	IT HEA	TER	SCHI	EDU	LE			
							ELEC	TRICAL		
MARK	MANUFACTURER	MODEL	KW	CFM	WEIGHT	AMPS	MOCP	PHASE	VOLTAGE	NOTES
EWH-1	QMARK	AWH3150F	1.8	100	30.0	15	20	1	120	1,2,3

1 PROVIDE WITH SURFACE MOUNTING FRAME FOR SURFACE INSTALLATION.

2 PROVIDE WITH BUILT-IN TAMPER-RESISTANT THERMOSTAT. 3 INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

ROOF	TOP AIR (CONDI	TIONIN	IG UI	NIT S	CHE	EDL	JLE	- G/	AS HE	AT							
						SUPPL'	Y FAN		CC	OLING COIL		HEATIN	IG DATA	UNIT ELE	CTRICA	AL DATA		
MARK	MANUFACTURER	MODEL	NOMINAL	SUPPLY	MIN			TOTAL	SENS.	EAT		INPUT	OUTPUT				WEIGHT	
		~~~~	TONNAGE	AIR	OA	ESP	HP	(MBH)	(MBH)	(DB/WB)	EER	MBH	MBH	V/PH/HZ	MCA	MOCP	(LBS)	NOTES
RTU-1	CARRIER	\$48FCEM09	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	\( \) 11.4	180	148	208/3/60	{ 44 }	50	1400	1,2,3,4,5,6,7,8,9,10
RTU-2	CARRIER	248FCEM09 €	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	11.4	180	148	208/3/60	44 }	50	1400	1,2,3,4,5,6,7,8,9,10
RTU-3	CARRIER	\$48FCEM09 }	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	11.4 {	180	148	208/3/60	<b>44</b> \$	50	1400	1,2,3,4,5,6,7,8,9,10
RTU-4	CARRIER	248FCEM09 ≥	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	<b>11.4</b>	180	148	208/3/60	} 44 \	50	1400	1,2,3,4,5,6,7,8,9,10
RTU-5	CARRIER	₹48FCEM09	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	( 11.4 )	180	148	208/3/60	} 44 {	50	1400	1,2,3,4,5,6,7,8,9,10
RTU-6	CARRIER	\$48FCEM09 }	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	<b>11.4</b>	180	148	208/3/60	<b>44 3</b>	50	1400	1,2,3,4,5,6,7,8,9,10
		Lucy																

1 ALL COOLING CAPACITIES SHOWN ARE BASED ON AN AMBIENT OUTDOOR TEMPERATURE OF 105°F, 96.0°F DB & 76.5°F WB SUMMER DESIGN TEMPERATURE AND A WINTER DESIGN TEMPERATURE OF 7.5°F.

2 PROVIDE MERV 8 FILTERS PRIOR TO TEST AND BALANCE WORK. 3 PROVIDE UNIT WITH UNPOWERED GFCI CONVIENCE OUTLET.

4 PROVIDE WITH DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST.

5 PROVIDE UNIT WITH 14" HIGH ROOF CURB. 6 PROVIDE UNIT WITH FACTORY INSTALLED HINGED ACCESS PANELS.

7 PROVIDE WITH FACTORY MOUNTED DISCONNECT SWITCH.

8 PROVIDE WITH FACTORY INSTALLED SUPPLY AND RETURN SMOKE DETECTORS. 9 PROVIDE WITH MANUFACTURER'S LOUVERED HAIL GUARDS.

10 PROVIDE FLOAT SWITCH IN DRAIN PAN. UNIT SHALL SHUT-OFF UPON ALARM FROM FLOAT SWITCH.

PATIO 238 SF RISER ROOM | 🛮 EWH-1 CRACK SHACK 3,502 SF **VIA 313** 3,502 SF SEMI-ENCLOSED PATIO 551 SF PATIO 389 SF



#### **GENERAL NOTES** (NOT ALL NOTES APPLY)

REFERENCE SHEET M101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

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### KEYED NOTES:

EXTEND SUPPLY AND RETURN DUCTWORK FOR ROOFTOP UNIT 3'-0" BELOW ROOF DECK FOR FUTURE TENANT CONNECTION AND CONTINUATION. FURTHER DUCTWORK

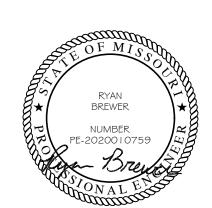
DISTRIBUTION AND THERMOSTATS SHALL BE RESPONSIBILITY OF TENANT. MOUNT ELECTRIC WALL UNIT HEATER AT 18" AFF LOCATE UNIT TO AVOID OTHER EQUIPMENT IN RISER ROOM.

structure, site conditions, existing construction elements, or any documents, drawings or other instruments used for any part of this Project which do not bear the Architect's seal. The Architect's services are undertaken only in the interest of the Project Owner. No obligation is assumed by the Architect for the benefit of any other entity. RELATED DOCUMENTS: This Drawing is a single component of an integrated set of Construction Documents. General and Supplementary Conditions of the Contract, General Requirements, Specifications and other Drawings may affect the Work described. Failure to review and integrate the design intent of the whole of the Construction Documents does not relieve the Contractor from providing a complete Project. COMPLY WITH all laws, codes, ordinances and regulations with authorities having jurisdiction and with requirements of the Landlord, if applicable. Do not start Work until all permits and required approvals are obtained. VERIFY ACTUAL CONDITIONS and dimensions prior to construction. Commencement of work constitutes verification and acceptance of all existing conditions. Application of a material or equipment item to Work

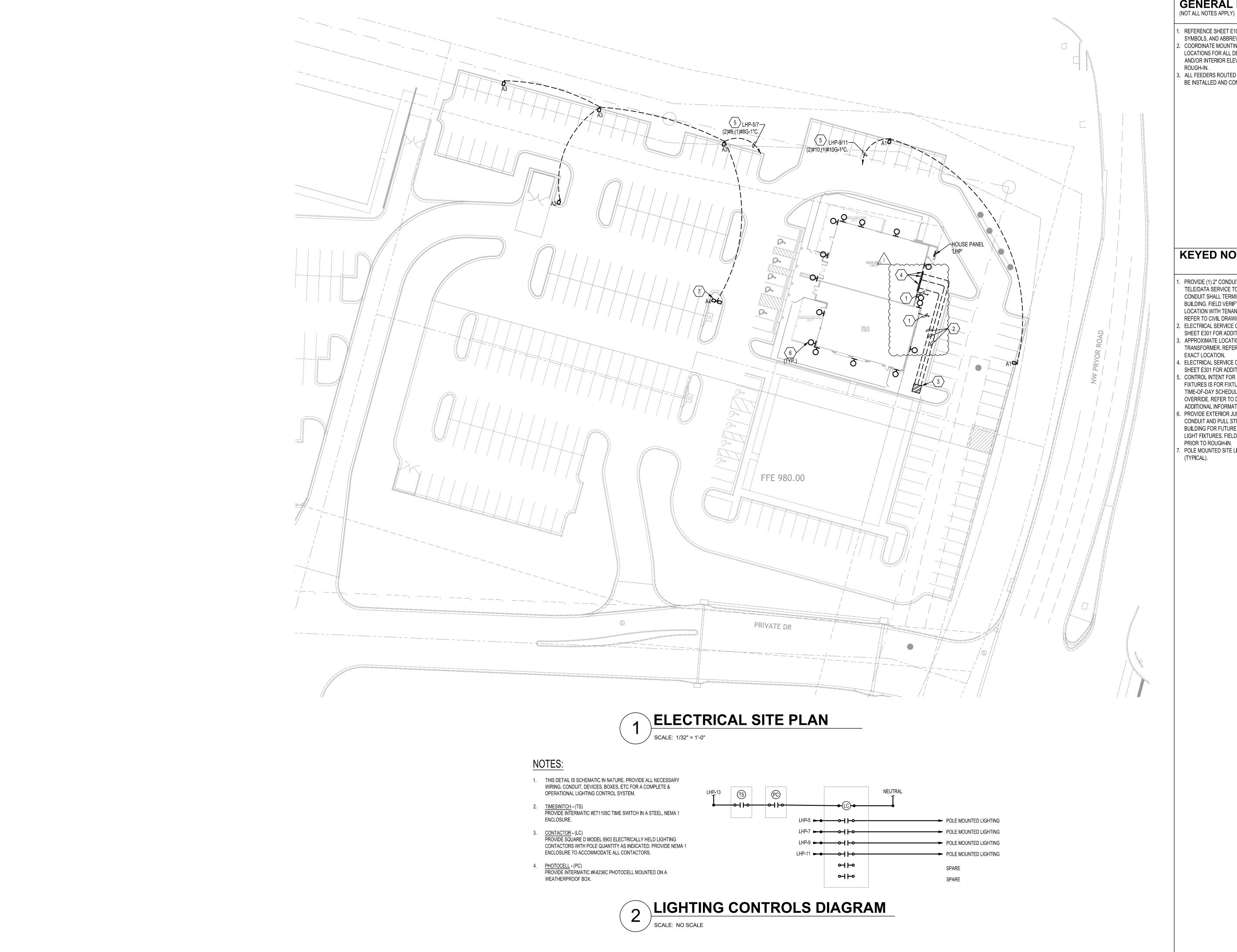
installed by others constitutes acceptance of that Work, and assumption of responsibility for satisfactory installation. DIMENSIONS SHOWN are to finish face of a material unless otherwise indicated. CALCULATE & MEASURE dimensions - DO NOT SCALE drawings unless

**project** title

drawing issuance



DATE SIGNED: 01/10/2023 **drawing** title



### **GENERAL NOTES**

REFERENCE SHEET E101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS. COORDINATE MOUNTING HEIGHTS AND LOCATIONS FOR ALL DEVICES WITH ARCHITECT AND/OR INTERIOR ELEVATIONS PRIOR TO

ALL FEEDERS ROUTED ACROSS THE SITE SHALI BE INSTALLED AND CONCEALED BELOW GRADE.

### KEYED NOTES:

TELE/DATA SERVICE TO TENANT SPACE. CONDUIT SHALL TERMINATE INSIDE THE BUILDING. FIELD VERIFY EXACT STUB-UP LOCATION WITH TENANT PRIOR TO ROUGH-IN. ELECTRICAL SERVICE CONDUCTORS. REFER TO SHEET E301 FOR ADDITIONAL INFORMATION. APPROXIMATE LOCATION OF UTILITY CO.

SHEET E301 FOR ADDITIONAL INFORMATION. CONTROL INTENT FOR PARKING AREA LIGHT FIXTURES IS FOR FIXTURES TO BE ON A TIME-OF-DAY SCHEDULE WITH PHOTOCELL OVERRIDE. REFER TO DETAIL 2 (THIS SHEET) FOR ADDITIONAL INFORMATION.

PROVIDE EXTERIOR JUNCTION BOX WITH 3/4" CONDUIT AND PULL STRING STUBBED INTO BUILDING FOR FUTURE POWER TO EXTERIOR LIGHT FIXTURES. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. POLE MOUNTED SITE LIGHTING FIXTURE

PROVIDE (1) 2" CONDUIT WITH PULL STRING FOR REFER TO CIVIL DRAWINGS FOR CONTINUATION TRANSFORMER. REFER TO CIVIL DRAWINGS FOR 4. ELECTRICAL SERVICE DISCONNECT. REFER TO

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Supplementary Conditions of the Contract, General Requirements,

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providing a complete Project. COMPLY WITH all laws, codes,

ordinances and regulations with authorities having jurisdiction and

with requirements of the Landlord, if applicable. Do not start Work until all permits and required approvals are obtained. VERIFY ACTUAL

CONDITIONS and dimensions prior to construction. Commencement

of work constitutes verification and acceptance of all existing

conditions. Application of a material or equipment item to Work

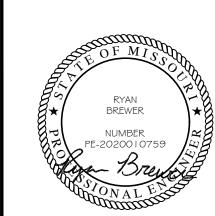
installed by others constitutes acceptance of that Work, and assumption of responsibility for satisfactory installation. DIMENSIONS

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CALCULATE & MEASURE dimensions - DO NOT SCALE drawings unless

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ELECTRICAL SITE

## **ELECTRICAL POWER PLAN** SCALE: 1/8" = 1'-0"

#### **GENERAL NOTES** (NOT ALL NOTES APPLY)

- REFERENCE SHEET E101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- COORDINATE MOUNTING HEIGHTS AND LOCATIONS FOR ALL DEVICES WITH ARCHITECT AND/OR INTERIOR ELEVATIONS PRIOR TO
- ROUGH-IN. PROVIDE AND INSTALL 3/4" CONDUIT AND PULL STRINGS FROM TELEPHONE/DATA OUTLETS TO ABOVE ACCESSIBLE CEILING. VERIFY EXACT REQUIREMENTS WITH TELEPHONE EQUIPMENT SUPPLIER AND/OR TENANT.

### KEYED NOTES:

PROVIDE UTILITY CO. APPROVED CT CABINET FOR TENANT METERING.

- 2. UTILITY COMPANY METER. 3. 600 AMP SERVICE DISCONNECT. REFER TO SHEET E301 FOR ADDITIONAL INFORMATION. I. PROVIDE (1) 2" EMPTY CONDUIT WITH PULL STRING FOR TELE/DATA SERVICE TO TENANT SPACE. COORDINATE EXACT STUB-IN LOCATION
- WITH TENANT PRIOR TO ROUGH-IN. 5. STUB (2) 3" EMPTY CONDUITS WITH PULL STRINGS INTO CRACK SHAKE SPACE FOR FUTURE CONNECTION TO TENANT PROVIDED ELECTRICAL PANEL(S). COORDINATE EXACT STUB-IN LOCATION WITH TENANT PRIOR TO ROUGH-IN. REFER TO SHEET E301 FOR ADDITIONAL INFORMATION.
- 100 AMP SERVICE DISCONNECT. REFER TO SHEET E301 FOR ADDITIONAL INFORMATION. '. REFER TO DETAIL 2 ON SHEET E102 FOR ADDITIONAL INFORMATION. FIELD COORDINATE EXACT LAYOUT IN THIS
- ROOM WITH FIRE SPRINKLER CONTRACTOR TO ENSURE ALL REQUIRED CLEARANCES ARE MAINTAINED AND NO PIPING IS ROUTED OVERHEAD OF THE PANELBOARD. DISCONNECT PROVIDED WITH UNIT. STUB (1) 1" EMPTY CONDUIT WITH PULL STRING FROM RTU
- INTO SPACE FOR FUTURE TENANT WIRING. 10. WEATHERPROOF GFI RECEPTACLE PROVIDED WITH UNIT. STUB (1) 3/4" EMPTY CONDUIT WITH PULL STRING FROM RECEPTACLE INTO SPACE FOR FUTURE TENANT WIRING.
- 1. STUB (2) 3" EMPTY CONDUITS WITH PULL STRINGS INTO VIA 313 SPACE FOR FUTURE CONNECTION TO TENANT PROVIDED ELECTRIC PANEL(S). COORDINATE EXACT STUB-IN LOCATION WITH TENANT PRIOR TO ROUGH-IN. REFER TO SHEET E301 FOR ADDITIONAL INFORMATION.

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assumption of responsibility for satisfactory installation. DIMENSIONS SHOWN are to finish face of a material unless otherwise indicated. CALCULATE & MEASURE dimensions - DO NOT SCALE drawings unless otherwise directed.

of work constitutes verification and acceptance of all existing

conditions. Application of a material or equipment item to Work

installed by others constitutes acceptance of that Work, and

**project** title

OF WEST PR

408 AYOK AND 470 470 HIGHWA's SUMMIT,

**project** number

**drawing** issuance

City Comments 01/10/23



DATE SIGNED: 01/10/2023 **drawing** title

ELECTRICAL POWER PLAN

## ELECTRICAL LIGHTING PLAN ) SCALE: 1/8" = 1'-0"

#### **GENERAL NOTES** (NOT ALL NOTES APPLY)

- REFERENCE SHEET E101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS. . COORDINATE MOUNTING HEIGHTS AND LOCATIONS FOR ALL DEVICES WITH ARCHITECT AND/OR INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
- . CIRCUIT ALL EXIT SIGNS TO NEAREST EMERGENCY LIGHTING CIRCUIT (OR NEAREST LIGHTING CIRCUIT IF NO GENERATOR).

### KEYED NOTES:

REFER TO DETAIL 2 ON SHEET E102 FOR ADDITIONAL INFORMATION. FIELD COORDINATE EXACT LAYOUT IN THIS ROOM WITH FIRE SPRINKLER CONTRACTOR TO ENSURE ALL REQUIRED CLEARANCES ARE MAINTAINED AND NO PIPING IS ROUTED OVERHEAD OF THE PANELBOARD.

CONTROL INTENT FOR THE TEMPORARY LIGHTING IS FOR FIXTURES TO BE MANUAL 'ON' / AUTO 'OFF' VIA OCCUPANCY SENSOR WITH MANUAL OVERRIDE AVAILABLE AT THE LOW-VOLTAGE CONTROL STATION.

**project** title

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CONDITIONS and dimensions prior to construction. Commencement of work constitutes verification and acceptance of all existing conditions. Application of a material or equipment item to Work installed by others constitutes acceptance of that Work, and assumption of responsibility for satisfactory installation. DIMENSIONS SHOWN are to finish face of a material unless otherwise indicated.

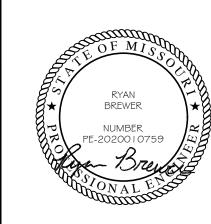
CALCULATE & MEASURE dimensions - DO NOT SCALE drawings unless otherwise directed.

12 OF WEST PR HIGHWAY LEE'S SUMMIT, I

**project** number

drawing issuance

City Comments 01/10/23



**drawing** title

ELECTRICAL LIGHTING PLAN

	VOLTAGE	E/PHASE:	208Y/12	OV, 3PH, 4	w						,	AFC VALUE:	4,745A								GR	OUNDS:	EG (PER	T250.122	2)	
	BUS AM	PERAGE:	100A									NC RATING:									ED GROU					
	M	IN TYPE:	MLO								1	MOUNTING:	SURFACE (N	EMA 1)					SE	RVICEE	NTRANCE	RATED:	NO			
												A	LL LOADS IN V	A	Í											
LTG	RCPT	MOTOR	HEAT	COOL	MISC	KITCHEN	BLEV	DESCRIPTION	AMP	Р	WIRE	CKT#	PHASE	CKT#	WIRE	Р	AMP	DESCRIPTION	LTG	RCPT	MOTOR	HEAT	COOL	MISC	KITCHEN	I EL
			1800					RISER ROOM HEATER	20	1	12	1	A	2				SPACE ONLY								
34	180							RISER RM LT/RCPT	20	1	12	3	В	4				SPACE ONLY								
441								POLE MOUNTED	20	2	SP	5	С	6				SPACE ONLY								
441								SITE LIGHTING	20	2	or.	7	A	8				SPACE ONLY								
147								POLE MOUNTED	20	2	SP	9	В	10				SPACE ONLY								
147								SITE LIGHTING	20	2	or	11	С	12				SPACE ONLY								
					200			TIMECLOCK	20	1	12	13	A	14				SPACE ONLY								
408								CRACK SHACK TEMP LTG	20	1	12	15	В	16				SPACE ONLY								
442								VIA 313 TEMP LTG	20	1	12	17	C	18				SPACE ONLY								
								SPACE ONLY				19	A	20				SPACE ONLY								
								SPACE ONLY				21	В	22				SPACE ONLY								
								SPACE ONLY				23	С	24				SPACE ONLY								
								SPACE ONLY				25	Α	26				SPACE ONLY								
								SPACE ONLY				27	В	28				SPACE ONLY								
								SPACE ONLY				29	С	30				SPACE ONLY								
2060	180	0	1800	0	200	0	0	TOTALS										TOTALS	0	0	0	0	0	0	0	
				ME	CODED	EFERENCE:	•			1									DU	ACTIOAD	SUMMAR	v				
100%	E 10T 10 I	<v .="" 50%="" a="" td="" ⋅<=""><td>OE DEMAR</td><td></td><td>CODER</td><td>EFERENCE</td><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>т.</td><td>OTAL</td><td>PHASE</td><td>LTG</td><td>RCPT</td><td>MOTOR</td><td>•</td><td>COOL</td><td>MISC</td><td>KITCHEN</td><td>I E</td></v>	OE DEMAR		CODER	EFERENCE	3									т.	OTAL	PHASE	LTG	RCPT	MOTOR	•	COOL	MISC	KITCHEN	I E
		ST MOTOR			A INJINIC MO	TOPE										-	2441	D. M. P. S.	441	0	0	1800	0	200	0	_
		AND FACTO				JIONS											769	A B	589	180	0	0	0	0	0	
	TOTALLIN	III III III	JILD TOLD	OTT THE OTT	20.14.											_	1030	C	1030	0	0	0	0	0	0	
				PA	NEL ABBE	EVIATION	S										1000	C			SUMMAR		U	U	U	-
F - GRO	UNDFAU	T BREAKE	R			BM - PROV	/IDE BME	RGENCY LOCKING TAB									4240	CONNECTED VA	2060	180	0	1800	0	200	0	
	VI TRIP BR					FA - FIRE	ALARM, I	PROVIDE RED LOCKING TAB									-	DEMAND FACTORS	1.25	*	**	1.00	1.00	1.00	1.00	-
	FAULT BE					LCK - PRO	VIDEPAI	DLOCKA BLE BREAKER									4755	DBMAND VA	2575	180	0	1800	0	200	0	
		C/GROUND	FAULT BE	REAKER		OL - REFE	R TO ON	LINE DIA GRAM FOR WIRE SIZ	E								0	SHOW WINDOW DEMAND								
		PLANFOR						ROLLED VIA TIME CLOCK									0	TRACK LTG DEMAND	Ī							
					PANEL					1							0%	SPARE	İ							
										1						1.5	4755	DEMAND VA + SPARE	Ī							
																	13.2	TOTAL DESIGN AMPS	1							

FIXT.			LAMPS	FIXT.	TOTAL			
TYPE	DESCRIPTION & MANUFACTURER OPTIONS	NO.	TYPE		WATTS	FINISH	REMARKS/MOUNTING	NOTES
	Pole Mounted, LED Site Luminaire	1	LED	208V 1 PH		Bronze	Pole Mounted. Provide 10' Pole	2,3,4,5
A1	M# LITHONIA #RSX2-LED-P3-40K-R3-MVOLT-AASP							
	Pole Mounted, LED Site Luminaire	1	LED	208V 1 PH	147W	Bronze	Pole Mounted. Provide 25' Pole	2,3,4
A2	M# LITHONIA #RSX2-LED-P3-40K-R4-MVOLT-SPA							
	Pole Mounted, LED Site Luminaire	1	LED	208V 1 PH	147W	Bronze	Pole Mounted. Provide 10' Pole	2,3,4,5
A3	M# LITHONIA #RSX2-LED-P3-40K-R4-MVOLT-AASP							
	Pole Mounted, LED Site Luminaire	1	LED	208V 1 PH	147W/ HEAD	Bronze	Pole Mounted. Provide 25' Pole	2,3,4
A4	M# LITHONIA #RSX2-LED-P3-40K-R4-MVOLT-SPA (2-HEADS)							
	Linear LED Strip Light	1	LED	UNV	34W	Standard	Coord. w/ Architect	
В	M# FSC LTG#L285-48-45W-AOK-S5							
	 Linear LED Strip Light w/ Emergency Battery Pack	1	LED	UNV	34W	Standard	Coord. w/ Architect	1
BE	M# FSC LTG#L285-48-45W-AOK-S5-EM10W							
V4	Combination LED Exit Sign and Emergency Light Fixture w/ Exterior Rated Remote Emergency Heads, Universal Mount, Emergency Battery Pack. Provide Arrows as Indicated.	1	LED	UNV	5W		Wall/Ceiling/Pendant	1
X4	M# EV ENLITE #TCXCOM-R-U-W-PRWLED2MV DUAL LITE #EVC-U-R-W-D4 WITH EVO-D-X							

	LIGHTING CONTROLS SCHEDULE												
FIXTURE TAG	MANUFACTURER	MODEL #	SETTINGS	DESCRIPTION	NOTES								
sc	ACUITY BRANDS: nLIGHT	nPP16 SERIES	ON: MANUAL	ON/OFF ROOM SWITCH CONTROLLER	1,2,4								
			OFF: 20 MINUTE DELAY	LINE VOLTAGE - SINGLE RELAY									
1.3	ACUITY BRANDS: nLIGHT	nPODM		ON/OFF LOW/YOLTAGE SWITCH	1.6								

1. Circuit Emergency Battery Packs and Exit Signs to Local Lighting Circuit Ahead of Any Means of Control for Proper Operation.

Provide Square, Straight Steel Pole Rated for 100 MPH Wind Gusts, Primed and Painted to Match Fixture.

. Provide With Adjustable Mounting Arm. Mount at 15 Degrees From Horizontal.

SC	ACUITY BRANDS: nLIGHT	nPP16 SERIES	ON: MANUAL	ON/OFF ROOM SWITCH CONTROLLER	1,2,4
			OFF: 20 MINUTE DELAY	LINE VOLTAGE - SINGLE RELAY	
L3	ACUITY BRANDS: nLIGHT	nPODM	-	ON/OFF LOW VOLTAGE SWITCH	1,6
				WITH 1-CHANNEL CONTROL	
S1	SENSOR SWITCH	WSX SERIES	REFER TO PLANS	WALL MOUNT OCCUPANCY SENSOR	1
				LINE VOLTAGE - SINGLE RELAY	
S4	ACUITY BRANDS: nLIGHT	nCM-10 SERIES	-	CEILING MOUNT OCCUPANCY SENSOR - LARGE MOTION	3
				LOW VOLTAGE	
WIRE	-	-	-	CAT5, CAT5e, OR CAT 6. STANDARD OR SOLID.	
				TERMINATED AS RJ45 TIA/EIA-568B	

1. COORDINATE ALL MODEL NUMBERS WITH MANUFACTURER PRIOR TO ORDERING. PROVIDE DEVICES TO MEET CONTROL INTENT INDICATED ON THE DRAWINGS. 2. PROVIDE 6'-0" OF EXCESS CONTROL WIRING, COILED AND TIED, BETWEEN CEILING MOUNTED OCCUPANCY SENSOR AND CORRESPONDING LOAD CONTROLLER.

2. PROVIDE 6-0" OF EXCESS CONTROL WIRING, COILED AND TIED, BETWEEN CEILING MOUNTED OCCUPANCY SENSOR AND CORRESPONDING LOAD CONTROLLER.

3. MODIFY LOCATIONS OF CEILING MOUNTED OCCUPANCY SENSORS AS REQUIRED SO THAT NO OCCUPACNY SENSORS IS WITHIN 4'-0" OF AN HVAC SUPPLY DIFFUSER.

4. LOCATE DEVICE ABOVE CEILING OR AT STRUCTURE IN ACCESSIBLE LOCATION. LOCATIONS SHOWN ON DRAWINGS ARE SCHEMATIC. ADD ACCESS PANEL WITHIN CEILING

IF NECESSARY. COORDINATE ACCESS PANEL LOCATION AND SPECIFICATION DIRECTLY WITH ARCHITECT.

5. LOCATION SHOWN ON PLAN FOR REFERENCE ONLY. CONTRACTOR MAY RELOCATE BRIDGE PORTS FOR A MORE ECONOMICAL LAYOUT IF DESIRED. 6. PROVIDE DEVICES WITH DEFAULT MANUFACTURE MARKINGS ON BUTTONS.

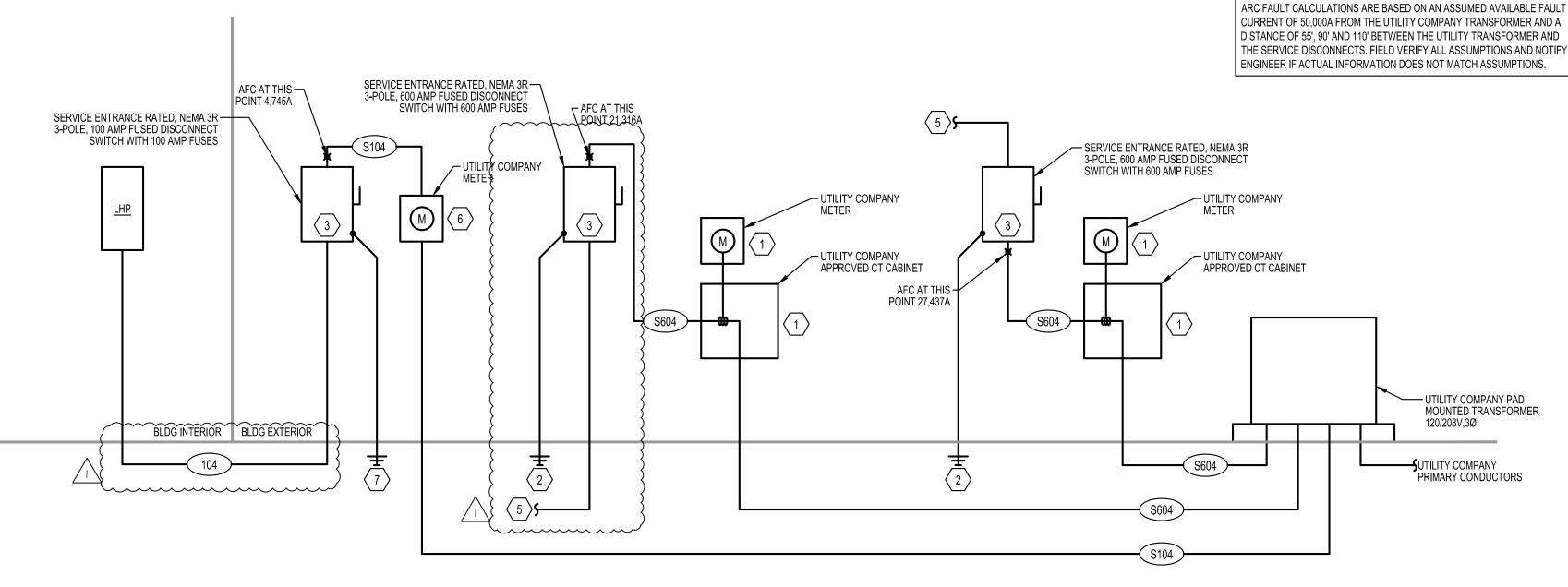
6. PROVIDE DEVICES WITH DEFAULT IMANOPACTURE MARKINGS ON BUTTONS.

7. ROUTE RECEPTACLE CIRCUIT INDICATED ON PLAN AS "CONTROLLED RECEPTACLES" THROUGH PLUG LOAD CONTROLLER FOR AUTOMATIC ON/OFF CONTROL

Provide Wet Location Rated Fixture.

Provide Cold Location Rated Ballast

WIA OCCUPACNY SENSOR. ONE CONTROLLED CIRCUIT PER PLUG CONTROLLER.



### FEEDER SCHEDULE

 THHN/THWN COPPER CONDUCTORS W/ EG CONDUCTOR XHHW ALUMINUM CONDUCTORS W/ EG CONDUCTOR

 CONDUCTORS & GROUND

 CODE
 SETS
 CONDUCTORS
 RACEWAY

 104
 4#3,1#8G. (CU)
 1-1/4"
 100

 \$104
 4#3 (CU)
 1-1/4"
 100

 \$604
 2
 4#350KCM. (CU)
 3"
 620

1. ALL CONDUCTORS AMPACITY BASED ON THE NEC TABLE 310-16 FOR CONDUCTORS W/ 75°C INSULATION.

- 2. ALL RACEWAY SIZES (EMT/RMC/PVC 40) BASED ON THE NEC TABLE 4(CHAPTER 9), 40% FILL COLUMN.
- 3. ELECTRICAL CONTRACTOR TO VERIFY ALL EQUIPMENT CONDUCTOR TERMINATION TEMPERATURE RATINGS (IE, 60°C OR 75°C). ADJUST CONDUCTOR AMPACITY AND CONDUIT SIZES ACCORDINGLY.
- VERIFY MAXIMUM NO. OF SETS OF SERVICE ENTRANCE CONDUCTORS
   ALLOWED W/ UTILITY CO.
- 5. EQUIPMENT GROUNDING CONDUCTORS BASED ON T250.122. GROUND TO BE ADJUSTED PER T250.66 FOR SEPARATELY DERIVED SYSTEMS.
- 5. ALUMINUM FEEDERS NOT TO BE USED ON TRANSFORMER SECONDAR'S CONDUCTORS.

## VOLTAGE DROP CHART

BRANCH CIRCUIT VOLTAGE DROP WIRING SCHEDULE FOR 1Ø CIRCUITS

BRANCH CIRCUIT	WIRE SIZE	MA	XIMUM L CIR	ENGTH ( CUIT (FE	OF BRAN ET)	СН
RATING (AMPS)	(AWG)	120V	208V	240V	277V	480V
	#12	50	90	110	125	200
20A	#10	80	150	175	200	350
20A	#8	140	230	280	320	550
	#6	215	375	430	500	870
	#10	50	100	110	130	225
30A	#8	80	160	180	210	360
JUA	#6	135	250	280	325	560
	#4	220	400	450	525	910

TES:
PROVIDE BRANCH CIRCUIT CONDUCTORS AS INDICATED IN THE TABLE
ABOVE FOR ALL LIGHTING AND RECEPTACLE BRANCH CIRCUITS. WHERI
BRANCH CIRCUITS SERVE DEDICATED EQUIPMENT, THE CONTRACTOR
MAY PERFORM VOLTAGE DROP CALCULATIONS BASED ON ACTUAL
EQUIPMENT CONNECTED LOAD AND PROVIDE CONDUCTORS

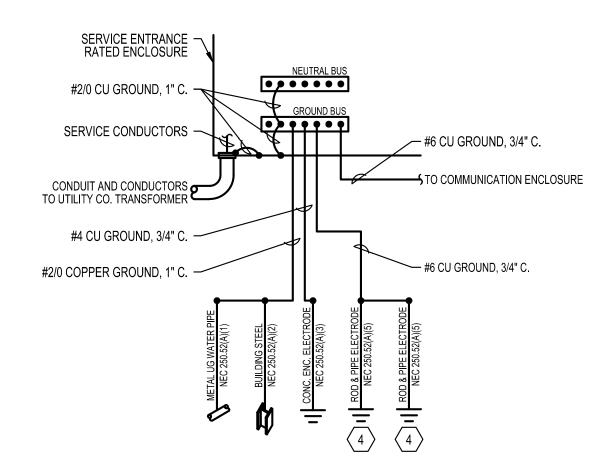
APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO A MAXIMUM OF 3%.

2. CONDUCTOR SIZES ARE BASED ON SOLID COPPER CONDUCTORS FOR WIRES SMALLER THAN #6 AND STRANDED COPPER CONDUCTORS FOR WIRES #6 AND LARGER, IN A SINGLE METAL CONDUIT.

LIMITS FOR CONDUCTOR LENGTH SHOWN ARE BASED ON A MAXIMUM OF 3% VOLTAGE DROP TO COMPLY WITH THE NEC FOR CIRCUITS LOADED UP TO 80% OF THE BRANCH BREAKER RATING. FIELD VERIFY EXACT BRANCH CIRCUIT LENGTHS AND PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO 3%.

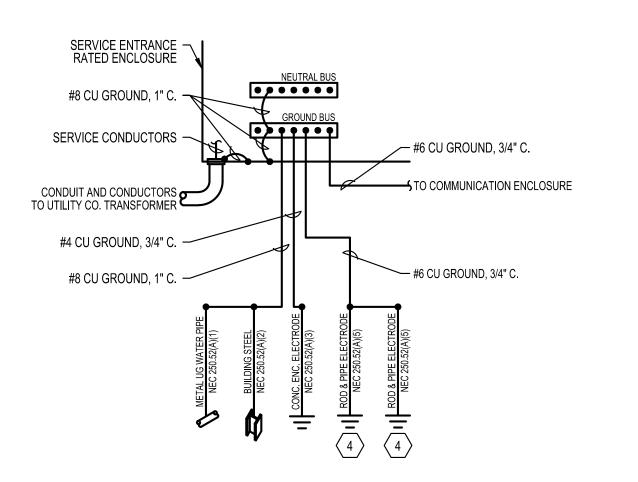
UNLESS NOTED OTHERWISE, WIRE SIZES CALLED OUT IN PANEL SCHEDULES DO NOT ACCOUNT FOR VOLTAGE DROP. CONTRACTOR SHALL INCREASE WIRE SIZES AS REQUIRED UTILIZING VOLTAGE DROP TABLE PROVIDED.

# 1 ELECTRICAL RISER DIAGRAM SCALE: NO SCALE



# 2 SERVICE GROUNDING DETAIL

SCALE: NO SCALE



3 SERVICE GROUNDING DETAIL
SCALE: NO SCALE

## GENERAL NOTES (NOT ALL NOTES APPLY)

- REFERENCE SHEET E101 FOR GENERAL NOTES.
- SYMBOLS, AND ABBREVIATIONS.

  COORDINATE MOUNTING HEIGHTS AND LOCATIONS FOR ALL DEVICES WITH ARCHITECT
- LOCATIONS FOR ALL DEVICES WITH ARCHIT AND/OR INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
- 3. FIELD COORDINATE ALL ELECTRICAL WORK WITH OWNER AND UTILITY COMPANY PRIOR TO START OF PROJECT.



THIS DRAWING has been prepared by the Architect, or prepared under his direct supervision as an instrument of service and is intended for use only on this project. All Drawings, Specifications, ideas and designs, including the overall layout, form,

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services are undertaken only in the interest of the Project Owner. No

obligation is assumed by the Architect for the benefit of any other

entity. RELATED DOCUMENTS: This Drawing is a single component of an integrated set of Construction Documents. General and

Supplementary Conditions of the Contract, General Requirements

Specifications and other Drawings may affect the Work described.

Failure to review and integrate the design intent of the whole of the

Construction Documents does not relieve the Contractor from

providing a complete Project. COMPLY WITH all laws, codes,

ordinances and regulations with authorities having jurisdiction and

with requirements of the Landlord, if applicable. Do not start Work

until all permits and required approvals are obtained. VERIFY ACTUAL

CONDITIONS and dimensions prior to construction. Commencement

of work constitutes verification and acceptance of all existing

conditions. Application of a material or equipment item to Work

installed by others constitutes acceptance of that Work, and

assumption of responsibility for satisfactory installation. DIMENSIONS SHOWN are to finish face of a material unless otherwise indicated. CALCULATE & MEASURE dimensions - DO NOT SCALE drawings unless

#### **KEYED NOTES:**

- PROVIDE UTILITY CO. METER AND CT CABINET PER UTILITY COMPANY STANDARDS. INSTALLATION SHALL MEET ALL UTILITY COMPANY REQUIREMENTS AND LOCAL CODES. REFER TO DETAIL 2 (THIS SHEET) FOR
- ADDITIONAL INFORMATION.
  3. PROVIDE NEMA 3R, SERVICE ENTRANCE RATED FUSED DISCONNECT (SIZE AS SHOWN) FOR ELECTRICAL SERVICE DISCONNECTING MEANS.
  4. REFER TO NEC 250.53 FOR ADDITIONAL
- INFORMATION.
  5. STUB (2) 3" CONDUITS INTO TENANT SPACE FOR FUTURE CONNECTION TO TENANT PROVIDED PANEL.
- PANEL.

  6. PROVIDE UTILITY CO. METER PER UTILITY CO. STANDARDS.
- STANDARDS.
  7. REFER TO DETAIL 3 (THIS SHEET) FOR ADDITIONAL INFORMATION.

**project** title

12 OF WEST PRYOK V PRYOR RD AND HIGHWAY 470

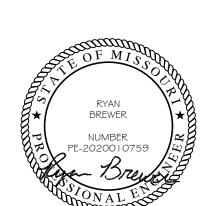
**project** number

drawing issuance

wing revisions

Description:

City Comments



DATE SIGNED: 01/10/2023

drawing title

ELECTRICAL RISER DIAGRAM AND SCHEDULES awing number