City of Gluckstadt

Application for Site Plan Review

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ubject Property Address: Not available at this time. NW con	mer of the intersection of Gluckstadt Road & Calhoun Par
Parcel #:	
Owner: Trustmark National Bank	Applicant: Trustmark National Bank
Address: 248 E Capitol Street	Address: 248 E Capitol St, Suite 517
Jackson, MS 39201	Jackson, MS 39201
Phone #: _601.238.5384	Phone #:601.238.5384
-Mail: bcollier@trustmark.com	E-Mail: bcollier@trustmark.com
Current Zoning District: C1-A and C2	
Acreage of Property (If applicable): 1.4912 acres	
Jse sought of Property: <u>Branch Banking</u>	

Requirements of Applicant:

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- 1. Copy of written legal description.
- 2. Site Plan as required in Sections 807-810 of City of Gluckstadt Zoning Ordinance
- 3. Color Rendering & Elevations at time of submittal

Requirements for Site Plan Submittal (Refer to Section 807, Gluckstadt Zoning Ordinance)

Nine (9) copies of the site plan shall be prepared and submitted to the Zoning Administrator. Digital copies are acceptable. Three (3) hard copies are required.

Site Plan Specifications (Section 809, Zoning Ordinance)

- A. Lot Lines (property lines)
- B. Zoning of the adjacent lots
- C. The names of owners of adjacent lots
- D. Rights of way existing and proposed streets, including streets shown on the adopted Throughfares plan
- E. Access ways, curb cuts, driveways, and parking, including number of parking spaces to be provided
- F. All existing and proposed easements
- G. All existing and proposed water and sewer lines. Also, the location of all existing and proposed fire hydrants.
- H. Drainage plan showing existing and proposed storm drainage facilities. The drainage plan shall indicate adjacent off site drainage courses and projected storm water flow rates from off-site and on-site sources.

TRUSTMARK GLUCKSTADT TRUSTMARK NATIONAL BANK



129 South President Street

Landscape Architect

WAS DESIGN, INC. LANDSCAPE ARCHITECTS

1510 N. STATE ST, #300, JACKSON, MS 39202

(601) 790-0781

ABBREVIATION

A / C AIR CONDITIONING ABV ABOVE ACT ACOUSTICAL CEILING TILE ADJ ADJUSTABLE AFF ABOVE FINISH FLOOR ALT ALTERNATE ALUM ALUMINUM ANOD ANODIZED APPROX APPROXIMATE AUTO AUTOMATIC AV AUDIO VISUAL BD BOARD BLDG BUILDING BLKG BLOCKING BOC BOTTOM OF CURB BOS BOTTOM OF STEEL BW BOTH WAYS CAB CABINET CB CATCH BASIN CG CORNER GUARD CH COAT / CLOTHES HOOK CHAM CHAMFER CJ CONTROL JOINT CLG CEILING CLO CLOSET CMU CONCRETE MASONRY UNIT CO CLEAN OUT COL COLUMN CONC CONCRETE CONT CONTINUOUS CORR CORRIDOR CPT CARPET CR CRASH RAIL CT CERAMIC TILE DBH DISPOSAL BAG HOLDER DBL DOUBLE DET DETAIL DF DRINKING FOUNTAIN DIA DIAMETER DIAG DIAGONAL DIM DIMENSION DISP DISPENSER DN DOWN DR DOOR DWG DRAWING E EAST EA EACH EDF ELECTRIC DRINKING FOUNTAIN EHD ELECTRIC HAND DRYER EIFS EXTERIOR INSULATING FINISH SYSTEM EJ EXPANSION JOINT ELEC ELECTRIC(AL) ELEV ELEVATION ELEVR ELEVATOR EQ EQUAL EW EACH WAY EXH EXHAUST EXIST EXISTING EXP EXPANSION EXT EXTERIOR FCO FLOOR CLEAN OUT FD FLOOR DRAIN FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FFE FINISH FLOOR ELEVATION FIN FINISH FLG FLOORING FLOR FLOURESCENT FLR FLOOR FND FEMININE NAPKIN DISPENSER FOF FACE OF FINISH FOM FACE OF MASONRY FOS FACE OF STUD FP FIRE PROOF FRP FIBER GLASS REINFORCED PANEL FRT FIRE RETARDANT FT FOOT / FEET

	BBREVIATONS MAY BE USED.
FTG FWC	FOOTING FABRIC WALL COVERING
G	GAS
GA	GUAGE
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GL	GLASS / GLAZING
GT	
GWB GYP	
HB	
HC	
HD	HEAVY DUTY
HDR	HEADER
HDW	HARDWARE
HGT	
HM	
HOR	
	HAND RAIL HEATING
HVAC	
HYD	HYDRANT
ID	INSIDE DIAMETER
INSUL	
INT	INTERIOR
INV	
JAN	
JC	
JST JT	JOIST JOINT
KD	KNOCK DOWN
KIT	KITCHEN
KO	KNOCK OUT
KPL	KICKPLATE
L	LENGTH
LAB	LABORATORY
LAD	LADDER
LAM LAV	LAMINTE LAVATORY
LAV	LABEL
LF	LINEAR FEET
LH	LEFT HAND
LL	
LPP	
LT	-
LTG	
LWC MAS	LIGHTWEIGHT CONCRETE MASONRY
MAS	MASUNT
MB	MARKER BOARD
MC	MEDICINE CABINET
MECH	MECHANICAL
MFG	MANUFACTURER / MANUFACTURED
MG	
MIN	MINIMUM
MIR	MIRROR
MISC MLDG	MISCELLANEOUS MOULDING
MO	MASONRY OPENING
MR	MOP RACK
MT	
MTL	METAL
MWK	
N	NORTH
NAT	
NIC NO	NOT IN CONTRACT NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
0	OXYGEN
OA	OUTSIDE AIR
	ON CENTER
OCEW OD	ON CENTER EACH WAY OUTSIDE DIAMETER
OFCI	OWNER FURNISHED / CONTRACTOR INSTALLED
2. 01	

Civil Engineer

SPENCER ENGINEERING

2508 Lakeland Drive, Flowood, Mississippi 39232

(601) 420-9303

SYP

TB

TBD

TRR

TEL

TEMP

TH

THK

TLT

TME

TOC

TOS

TPD

TPH

TR

ΤV

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WITH

WOOD

WIDTH

WSCT WAINSCOT

WINDOW

WOOD BASE

WALL GUARD

WWM WELDED WIRE MESH

WATER HEATER

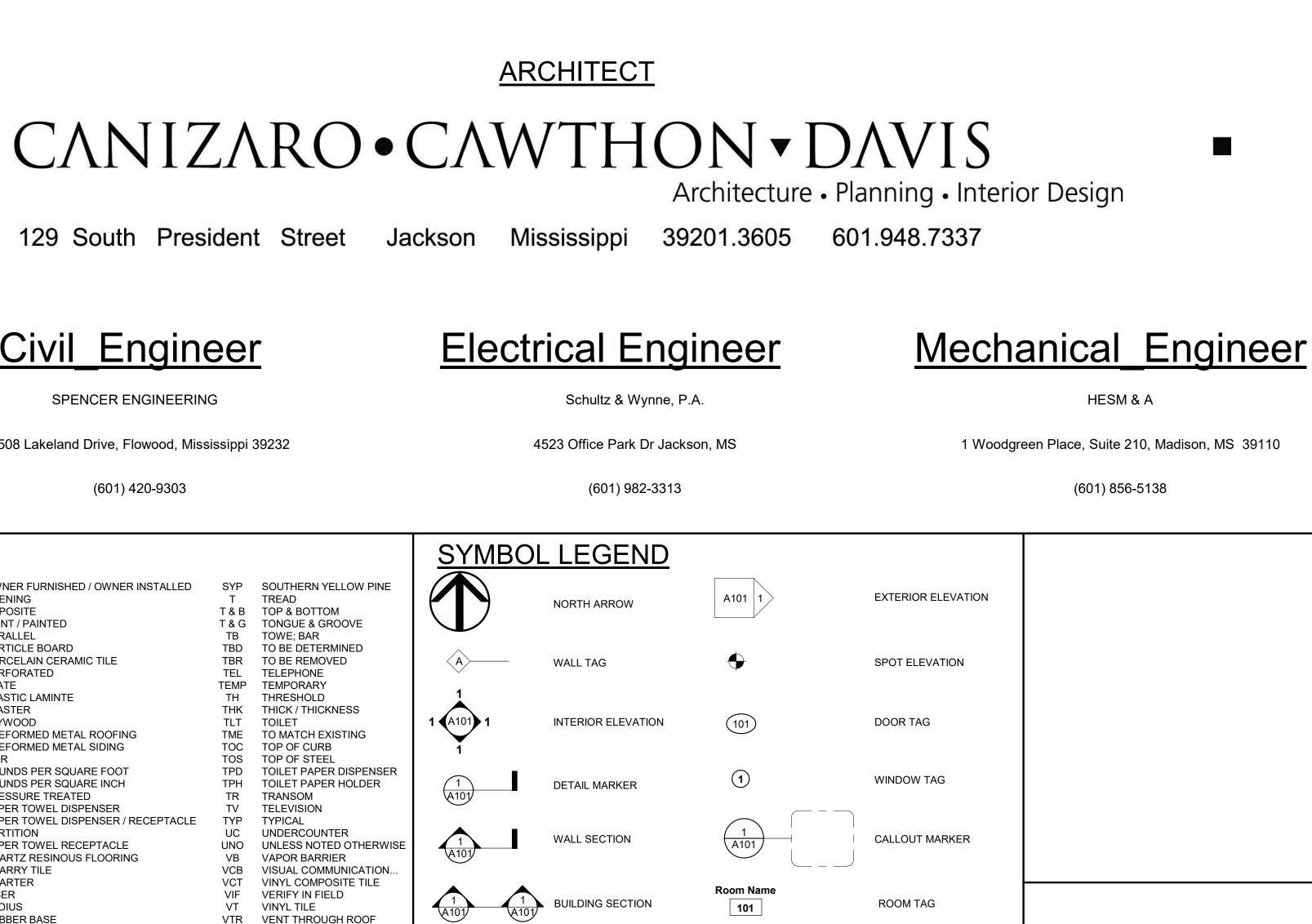
WALL PROTECTION

WATER RESISTANT

WATER CLOSET

VINYL WALL COVERING

OFOI	OWNER FURNISHED / OWNER INSTALLED
OPNG	OPENING
OPP	OPPOSITE
Р	PAINT / PAINTED
PAR	PARALLEL
	PARTICLE BOARD
	PORCELAIN CERAMIC TILE
	PERFORATED
PL	PLATE
PLAM	PLASTIC LAMINTE
PLST	PLASTER
PI WD	PLYWOOD
PMR	PREFORMED METAL ROOFING
	PREFORMED METAL SIDING
PR	
	POUNDS PER SQUARE FOOT
	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
	PAPER TOWEL DISPENSER / RECEPTACLE
PTN	PARTITION
	PAPER TOWEL RECEPTACLE
	QUARTZ RESINOUS FLOORING
	QUARRY TILE
	QUARTER
	RISER
RAD	RADIUS
	RUBBER BASE
RBR	RUBBER
	RUBBER REINFORCED CONCRETE PIPE
	ROOF DRAIN
	REFERENCE
	REFRIGERATOR
REINF	REINFORCE
REQD	REQUIRED
REV	REVISED
	RIGHT HAND
	ROOM
	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPS	
RR	RETURN REGISTER
S	SOUTH
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCH	SCHEDULE
SD	SOAP DISPENSER
SECT	SECTION
SHT	SHEET
	SHEATHING
SIM	
SJ	
	SEAMLESS LIQUID WALLCOVERING
SND	SANITARY NAPKIN DISPENSER
SNDU	SANITARY NAPKIN DISPOAL UNIT
SNTD	SANITARY NAPKIN / TAMPON DISPENSER
SP	SOUNDPROOF
SPCR	
	SPECIFICATIONS
	SPECIMEN PASS THRU CABINET
SQ	
SS	
SSD	SHOWER SOAP DISPENSER
SSTL	STANILESS STEEL
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STL	STEEL
	STORAGE
SVF	
	SERVICE SINK
	SHOWER
SWRC	SHOWER CURTAIN



SITE -

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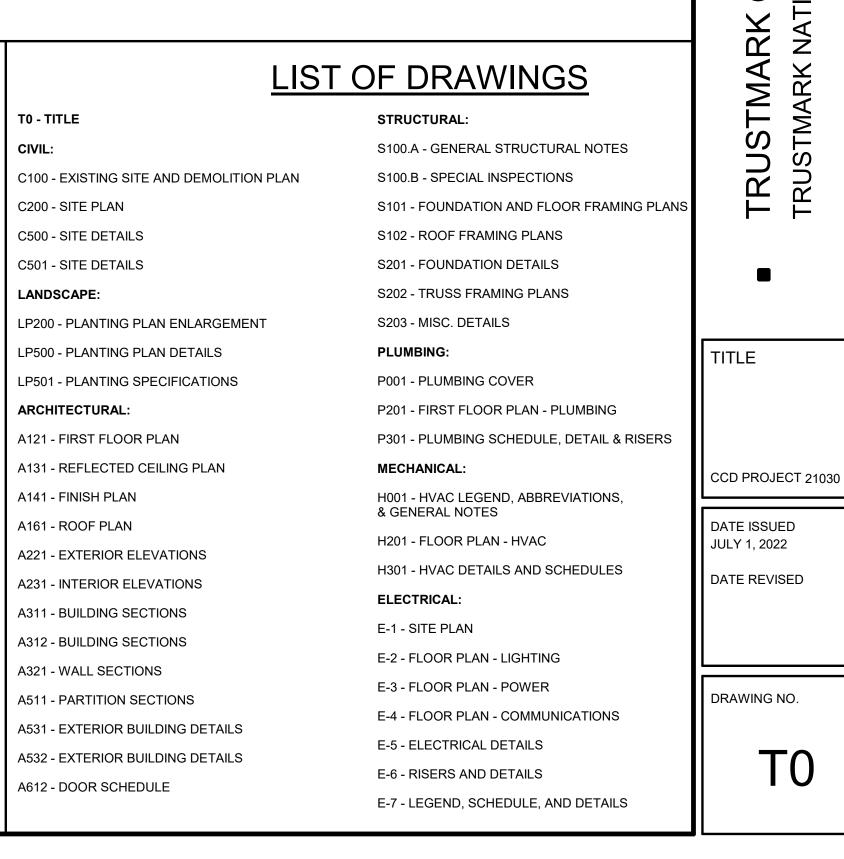
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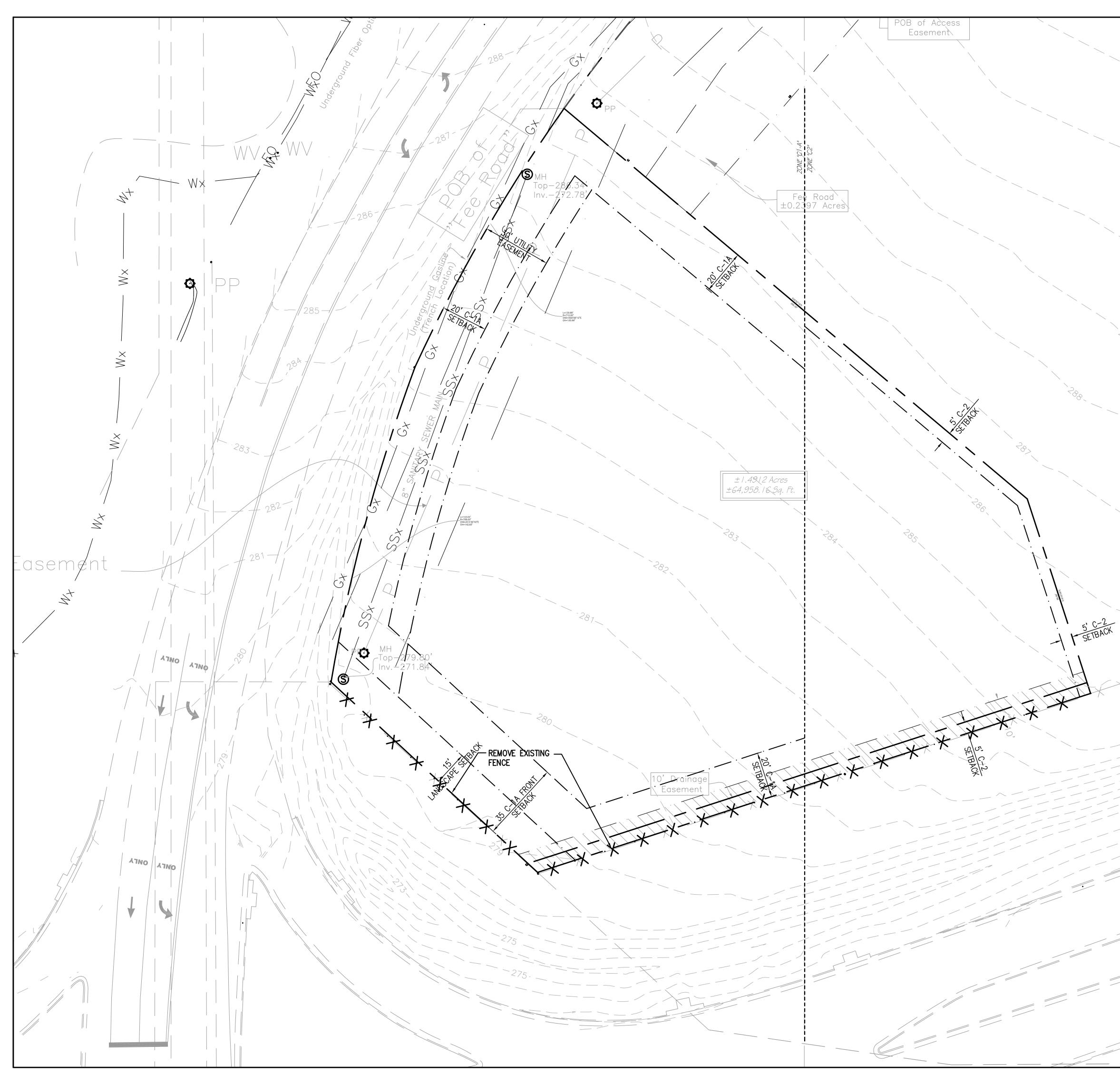
Structural Engineer

SPENCER ENGINEERING

2508 Lakeland Drive, Flowood, Mississippi 39232

(601) 420-9303





<u>LEGEND</u>

	_
285)

	TELEPHONE BOX
© CBOX	CABLE BOX
⊙ MH	EXISTING MANHOLE
ØLP	LIGHT POLE
🗘 PP	POWER POLE
	WATER METER
\blacksquare \lor \lor	WATER VALVE
© GM	GAS METER
Ю́ГН	FIRE HYDRANT
🔁 CM	CONCRETE MONUMENT
⊙ С□	CLEAN-DUT
SIP	SET IRON PIN (1/2"X18" IRON REBAR)
FIP	FOUND IRON PIN (IRON REBAR)
	COTTON PICKER SPINDLE
—— Gx ——	EXISTING GAS LINE
—— T ——	EXISTING TELEPHONE LINE
UGE	EXISTING UNDERGROUND ELECTRIC
— P —	EXISTING OVERHEAD POWER
— x —	EXISTING WIRE FENCE
	EXISTING WATER MAIN
SS×	EXISTING SANITARY SEWER
	EXISTING CYCLONE FENCE
	EXISTING WOOD FENCE

 EXISTING
 SITE
 AND
 DEMOLITION
 PLAN

 SCALE:
 1" = 20'

 20
 0
 20
 40
 60

NOTES:

1. UNDERGROUND UTILITIES SHOWN WERE OBTAINED FROM OTHER SOURCES. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING OPERATIONS. OTHER UTILITIES MAY BE PRESENT BUT NOT SHOWN.

2. UTILITIES SHOWN TO BE RELOCATED ARE LIVE. CONTRACTOR SHALL COORDINATE RELOCATIONS WITH THE UTILITY OWNER.

3. LIVE UTILITIES FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THE DRAWINGS SHALL BE CONNECTED TO THE NEW SYSTEM BY THE CONTRACTOR.

4. MANHOLE RING AND COVERS, VALVE BOXES, METER BOXES, ETC. TO REMAIN SHALL BE ADJUSTED TO FINISH GRADE.

FOR ELECTRICAL RELOCATIONS, SEE ELECTRICAL DRAWINGS.
 FOR STORM DRAIN RELOCATIONS, SEE SHEET C300.

CLIENT PROJECT NO. TRUSTMARK GLUCKST, TRUSTMARK NATIONAL BANK BANK EXISTING SITE AND DEMOLITION PLAN CCD PROJECT 21030 DATE ISSUED JULY 1, 2022 DATE REVISED DRAWING NO. C100

Architecture Manning Interior D

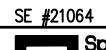
CANIZARO

Design Development

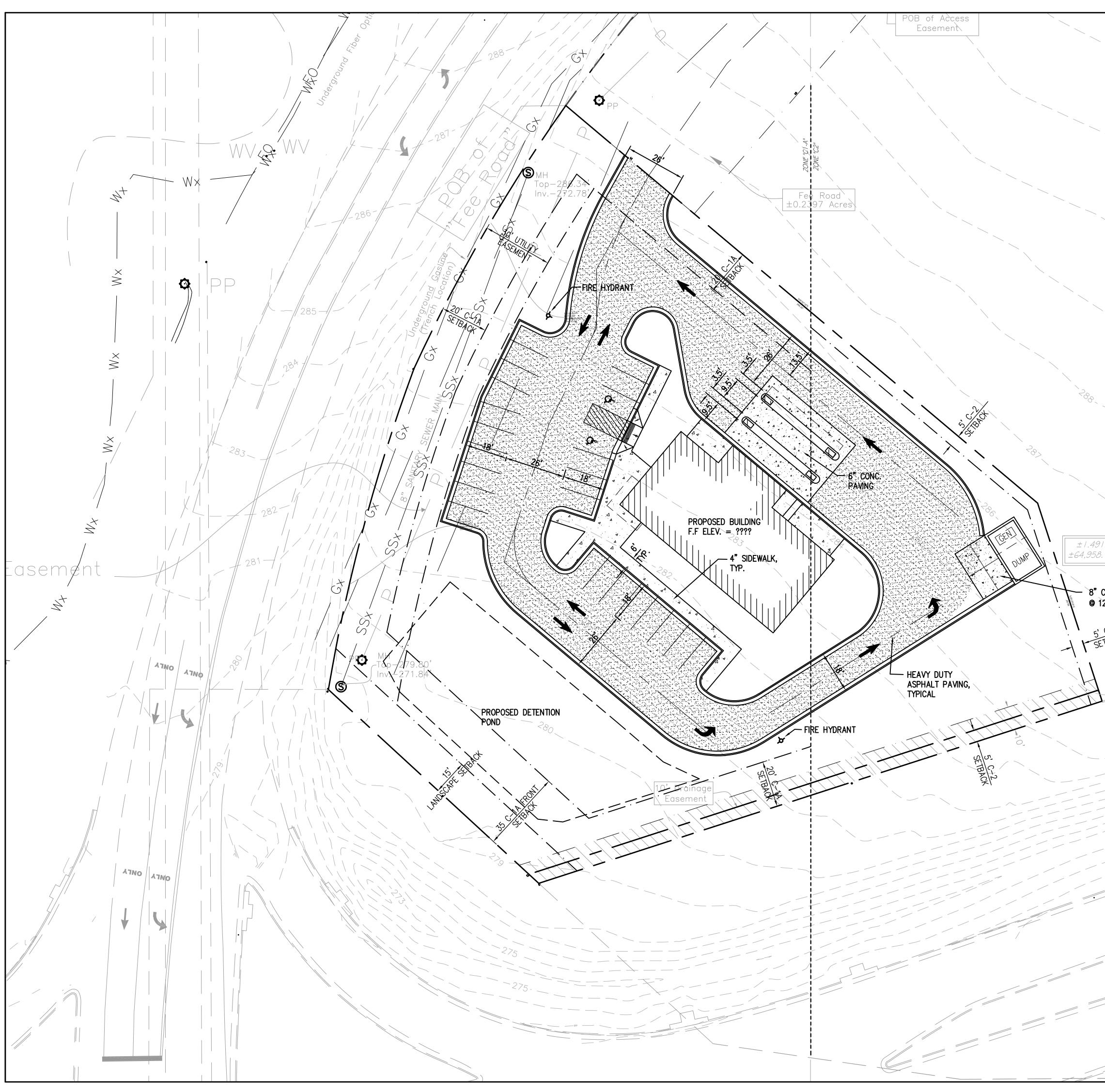
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Not for Construction

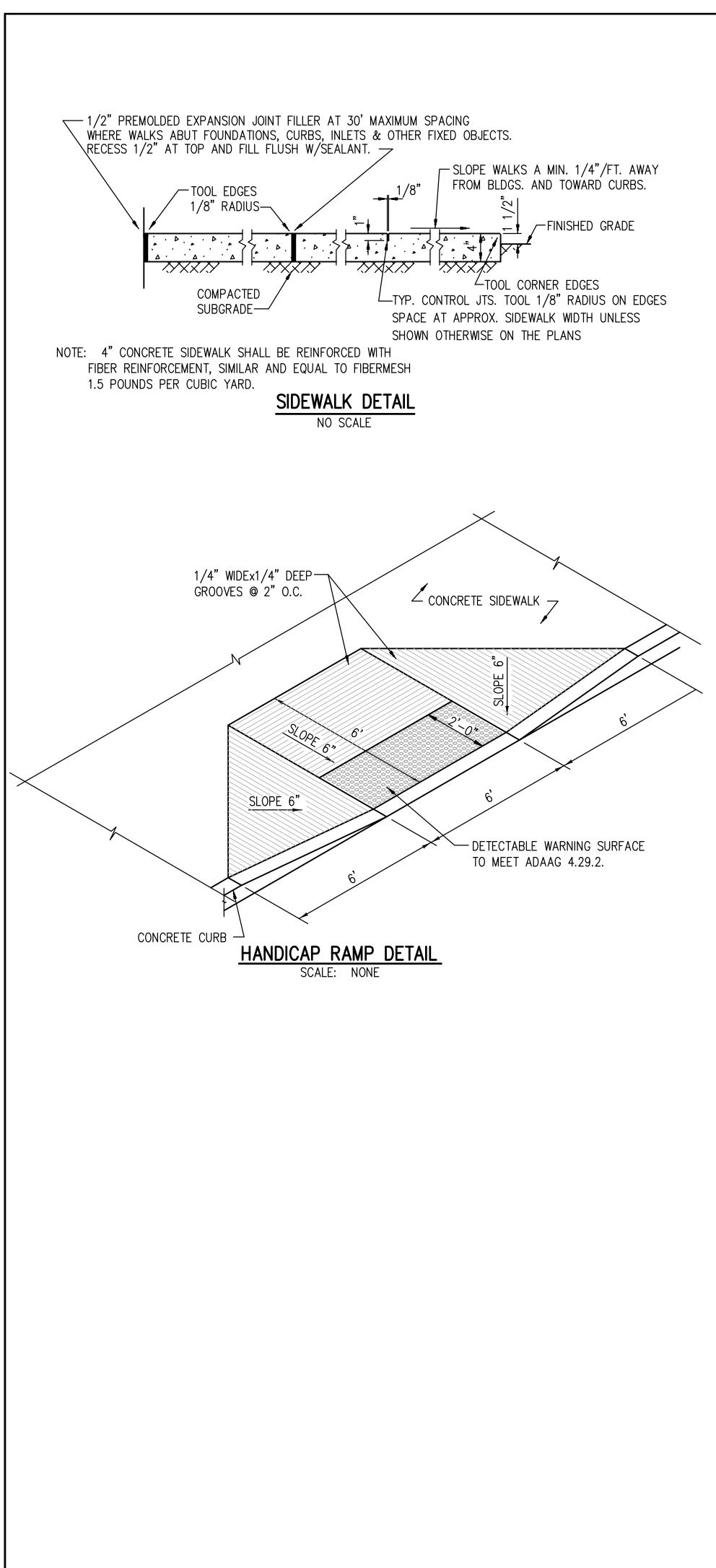
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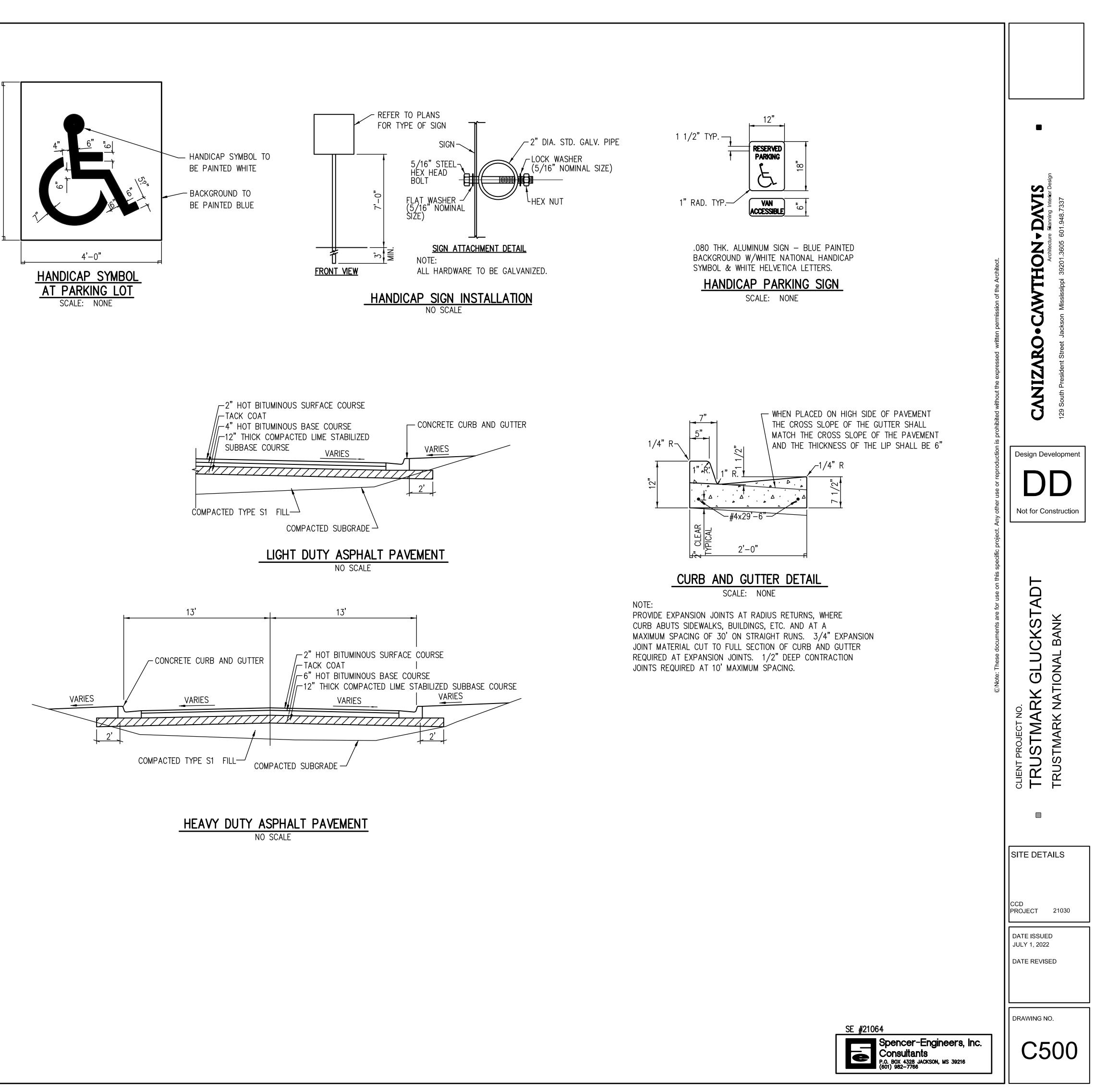


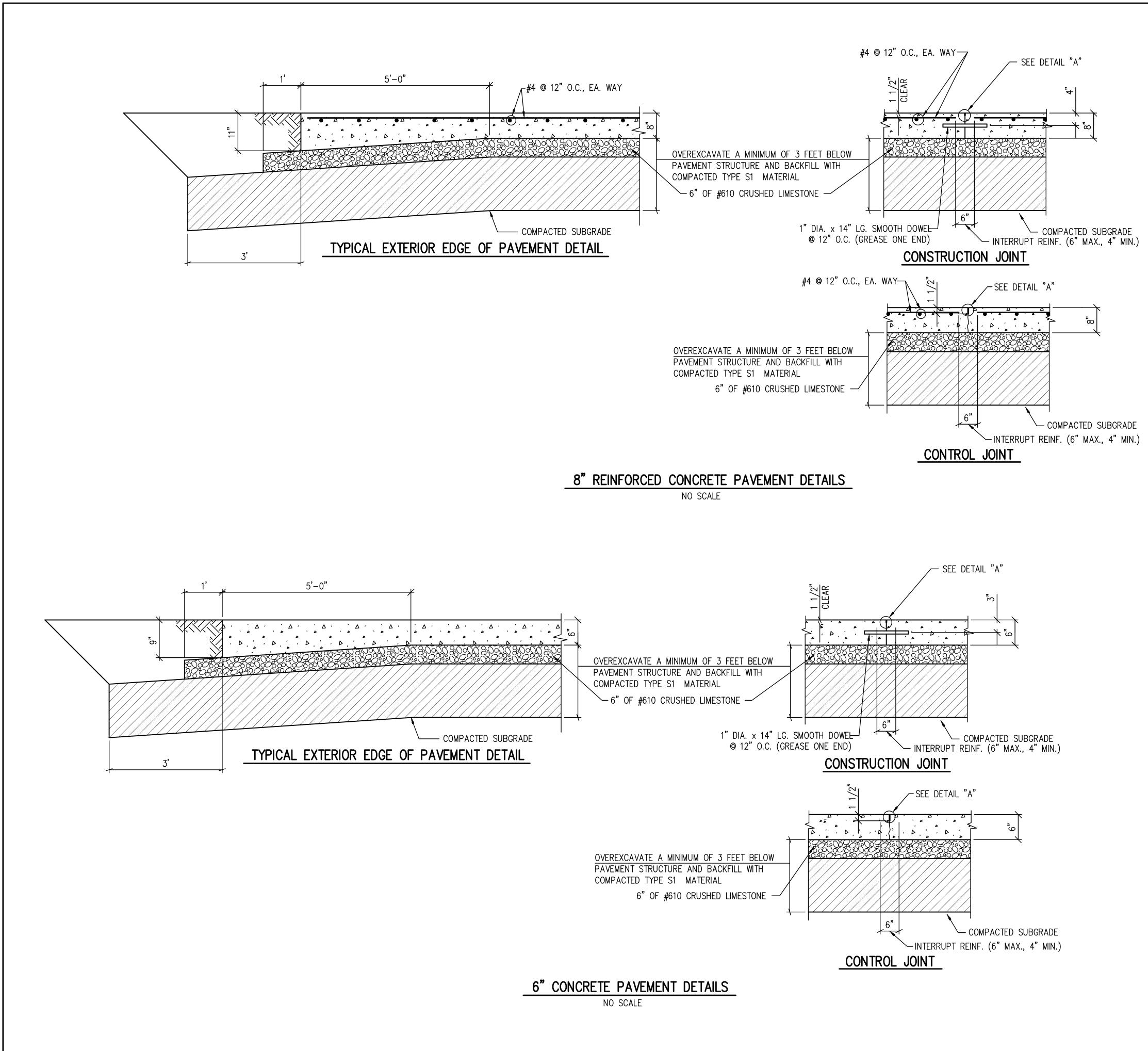


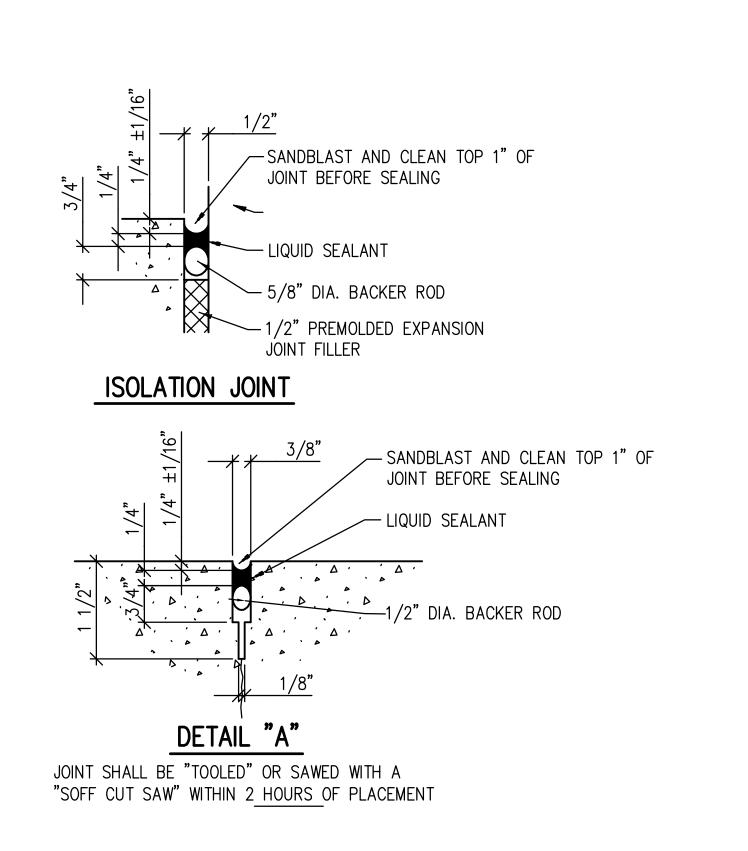
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296	n of the Architect.	WTHON + DAYS Architecture Ranning Interior Design ssissippi 39201.3605 601.948.7337
289	without the expressed written permission of	CANIZARO • CAWTHON • DAV Architecture Manning Inter 129 South President Street Jackson Mississippi 39201.3605 601.948.7337
	LEGEND DESCRIPTION DESCRIPTION NEW EXISTING DESCRIPTION BUILDING ASPHALT HEAVY DUTY ASPHALT PAVEMENT HEAVY DUTY ASPHALT PAVEMENT	Design Development
912 Acres 58.16 Sq. Ft.	ASPHALT LIGHT DUTY ASPHALT PAVEMENT CONCRETE PAVEMENT CONCRETE SIDEWALK CONCRETE CURB AND GUTTER	Not for Construction
CONC. PAVING W/#4 12" O.C., EA. WAY	SITE PLAN $SCALE: 1" = 20'$ $20 0 20 40 60$	-UCKSTADT
	 NOTES: 1. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS AND PAYING ALL APPLICABLE FEES REQUIRED FOR CONSTRUCTION PURPOSES AND UTILITY HOOKUPS. 2. DIMENSIONS SHOWN ARE FACE OF CURB TO FACE OF CURB. 3. ALL DISTURBED AREAS NOT RECEIVING PAVEMENT OR LANDSCAPING SHALL BE GRASSED UNLESS NOTED TO BE SODDED. 4. CONCRETE SIDEWALKS SHALL BE 4" THICK UNLESS NOTED OTHERWISE. 5. SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". 	CLIENT PROJECT NO. TRUSTMARK NATIONAL
Ø		
		SITE PLAN CCD PROJECT 21030
		DATE ISSUED JULY 1, 2022 DATE REVISED
	SE #21064 SE #21064 Spencer-Engineers, Inc. Consultants P.O. BOX 4328 JACKSON, MS 39216 (601) 982-7766	drawing no.



4'-6"







CONCRETE PAVEMENT JOINT DETAILS

CONTRACTOR SHALL USE CONSTRUCTION JOINT AT END OF POUR. CONTRACTOR MAY USE CONSTRUCTION JOINT OR CONTROL JOINT WHERE CONCRETE JOINTS ARE CALLED FOR ON THE PLANS.

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©Note: These documents are for use on this specific pro	CLIENT PROJECT NO. TRUSTMARK GLUCKSTADT TRUSTMARK NATIONAL BANK
	SITE DETAILS
	CCD PROJECT 21030
	DATE ISSUED JULY 1, 2022 DATE REVISED
	drawing no.

SE #21064 **b**

Spencer-Engineers, Inc. Consultants P.O. BOX 4328 JACKSON, MS 39216 (601) 982-7766

PLANT MATERIALS COULD CONSIST OF THE FOLLOWING:

<u>Groundcover</u> Liriope Evergreen Daylily Asian Jasmine Seasonal Color

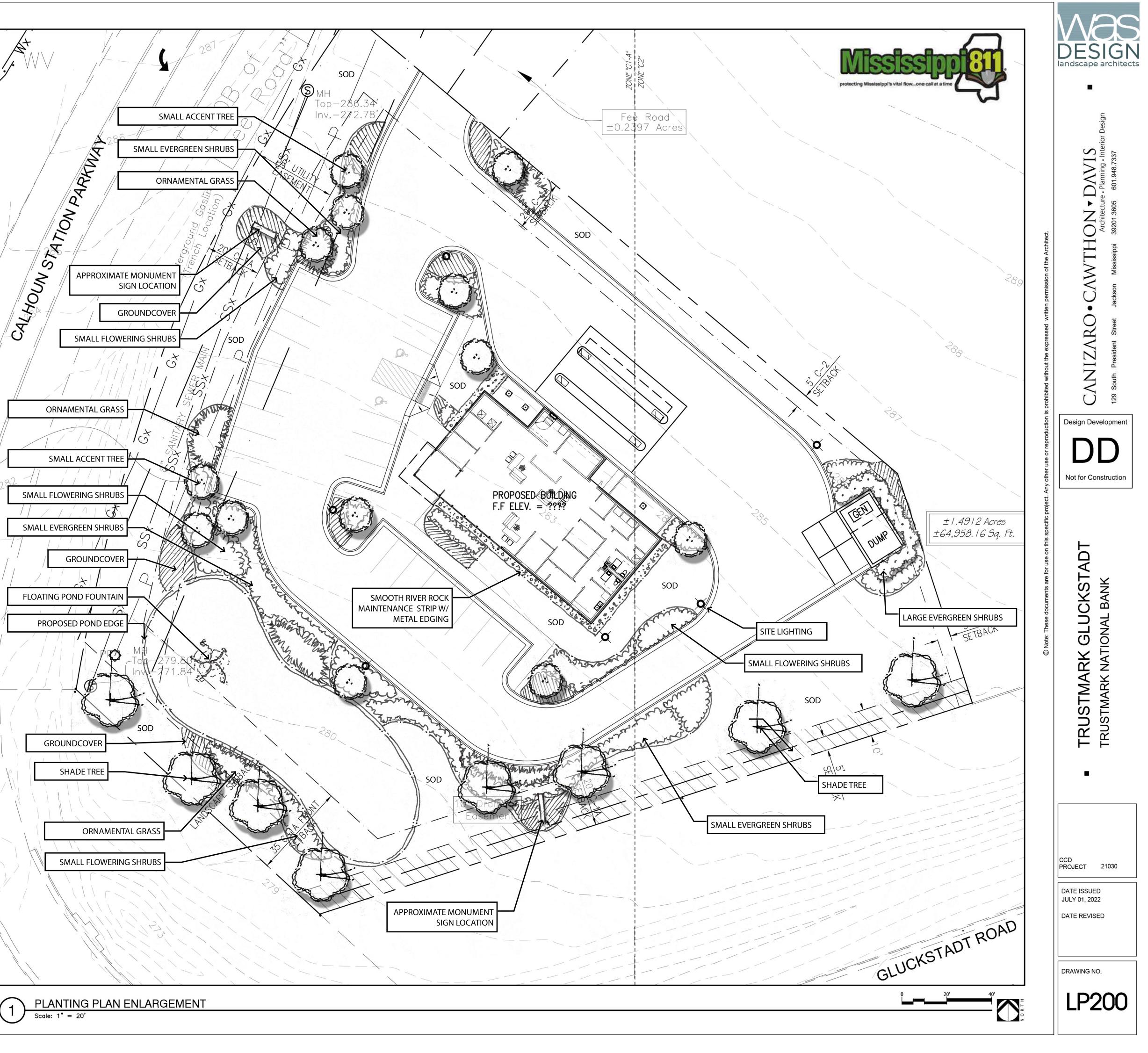
Small Evergreen Shrubs Parson's Juniper Cinnamon Girl Distylium Abelia - Rose Creek or Radiance Carissa Holly

Ornamental Grasses Adagio Miscanthus Pink Muhly

Small Flowering Shrubs Shi Shi Gashira Camellia Encore Azalea Frostproof Gardenia Drift Rose

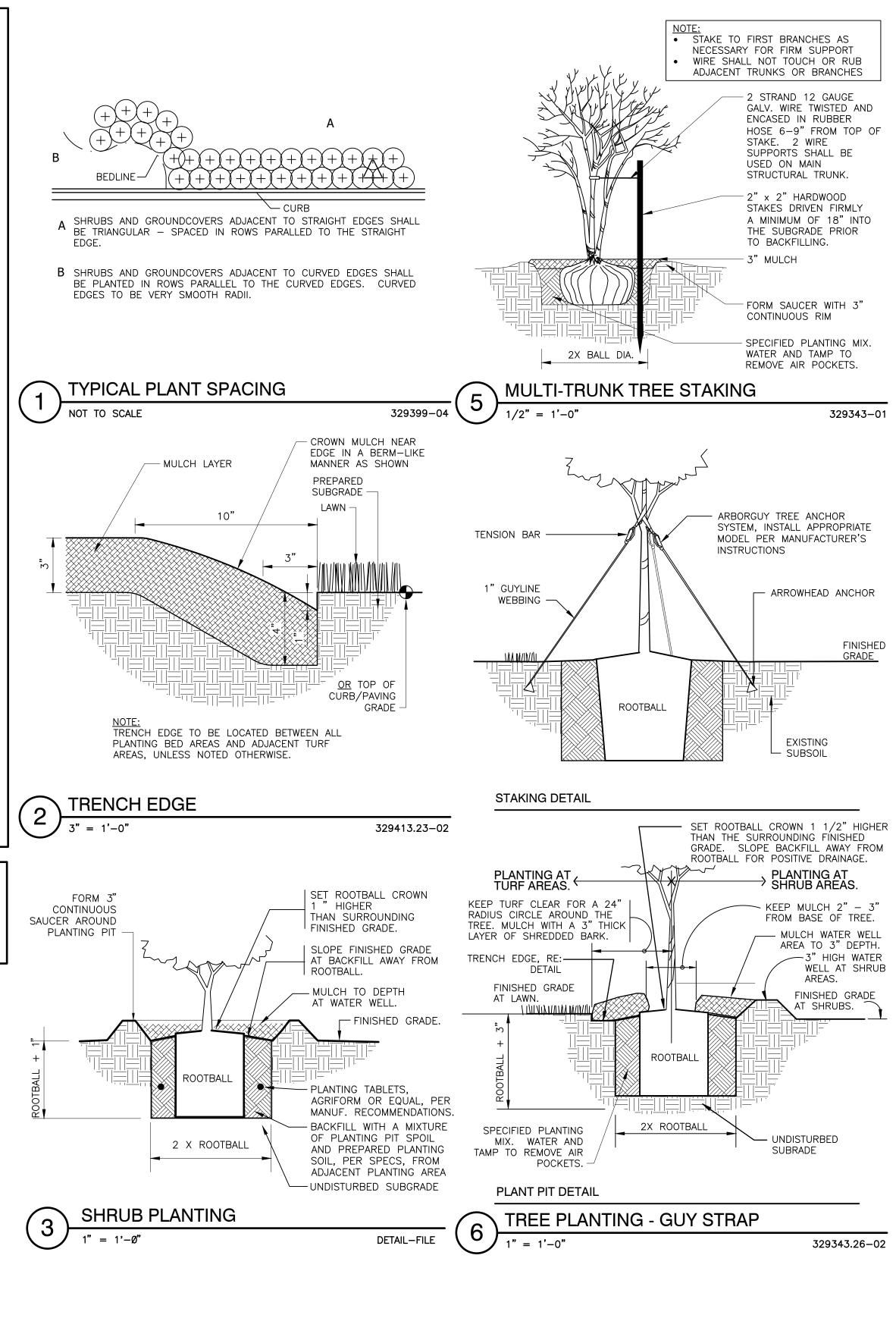
Small Accent Tree Natchez Crape Myrtle Muskogee Crape Myrtle Treeform Holly Species Sweetbay Magnolia

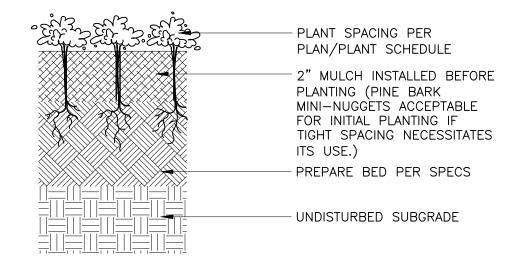
Shade Trees Allee Elm Shumard Oak



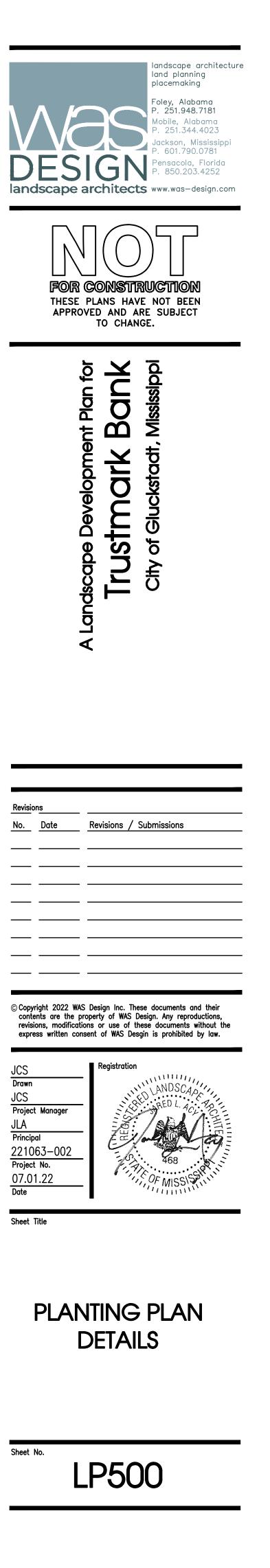
PLANT SCH	IEDUL	.E							
TREES	CODE	<u>QTY</u>	BOTANICAL NAME	COMMON NAME	<u>CONT</u>	CAL	<u>HT</u>		REMARKS
	LN	3	LAGERSTROEMIA INDICA `NATCHEZ`	`NATCHEZ` CRAPE MYRTLE	30 GAL		8`-10`		MINIMUM 3 TRUNKS; FULL HEAD
	WO	5	QUERCUS PHELLOS	WILLOW OAK	B&B OR CONT	2"CAL	8`-10`		FULL HEAD, SPECIMEN QUALITY
	QS	7	QUERCUS SHUMARDII	SHUMARD OAK	B&B OR CONT	2"CAL	8`-10`		FULL HEAD, SPECIMEN QUALITY
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	<u>CONT</u>	<u>HT</u>	W	<u>SPACING</u>	REMARKS
\odot	CG	35	CAMELLIA SASANQUA `SHISHI GASHIRA`	SHISHI GASHIRA CAMELLIA	7 GAL	12"-18"		36" o.c.	FULL FORM
\oplus	DM	17	DISTYLIUM X `PIIDIST-V` TM	CINNAMON GIRL DISTYLIUM	3 GAL			48" o.c.	
\bigcirc	ID	84	ILEX CORNUTA 'DWARF BURFORD'	DWARF BURFORD HOLLY	3 GAL	12"-18"		48" o.c.	FULL FORM
\otimes	IC	11	ILEX X 'CONAF' TM	OAK LEAF RED HOLLY	15 GAL	6`-8`		72" o.c.	FULL TO GROUND
\odot	LR	15	LOROPETALUM CHINENSE RUBRUM `RUBY`	RUBY FRINGE FLOWER	3 GAL	12"-18"		48" o.c.	FULL FORM
GRASSES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	<u>HT</u>	W	<u>SPACING</u>	REMARKS
anti-	MG	47	MISCANTHUS SINENSIS `ADAGIO`	ADAGIO MAIDEN GRASS	3 GAL	12"-18"		42" o.c.	FULL FORM
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	<u>HT</u>	W	<u>SPACING</u>	REMARKS
	JD	82	JUNIPERUS CHINENSIS `PARSONII`	PARSON'S JUNIPER	3 GAL			30" o.c.	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	<u>HT</u>		SPACING	
	LG	68	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	1 GAL			24" o.c.	
	PDR	9	ROSA X 'MEIDRIFORA'	CORAL DRIFT ROSE	3 GAL			30" o.c.	FULL FORM
	SC	60	SEASONAL COLOR		4"POT			12" o.c.	
SOD/SEED	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	<u>HT</u>		<u>SPACING</u>	
	SOD	30,469 SF	CYNODON DACTYLON `TIFWAY 419`	TIFWAY 419 BERMUDA GRASS	SOD				WEED FREE AND HEALTHY SOD

QUANTITY TAKEOFF DISCLAIMER: QUANTITIES NOTED ON PLANS ARE OFFERED AS A CONVENIENCE TO THE CONTRACTOR FOR BID PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.









SECTION 329200 - TURF AND GRASSES

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- 1.2 SUMMARY A. Section Includes:
- 1. Sodding.
- B. Related Requirements 1. Section 329300 "Plants" for trees, shrubs, ground covers, and other plants as well as border edgings and mow strips

1.3 DEFINITIONS

- A. Finish Grade: Elevation of finished surface of planting soil
- B. Pesticide: A substance or mixture intended for preventing, destroying, repelling, or mitigating a pest. Pesticides include insecticides, miticides, herbicides, fungicides, rodenticides, and molluscicides. They also includes substances or mixtures intended for use as a plant regulator, defoliant, or desiccant. C. Pests: Living organisms that occur where they are not desired or that cause damage to plants, animals, or people. Pests include insects, mites, grubs, mollusks (snails and slugs), rodents (gophers, moles, and mice),
- unwanted plants (weeds), fungi, bacteria, and viruses. D. Planting Soil: Existing, on-site soil; imported soil; or manufactured soil that has been modified with soil amendments and perhaps fertilizers to produce a soil mixture best for plant growth. See Section 329113 "Soil
- Preparation" and drawing designations for planting soils. 1.4 PREINSTALLATION MEETINGS
- A. Preinstallation Conference: Conduct conference at Project site.
- 1.5 INFORMATIONAL SUBMITTALS
- A. Product Certificates: For fertilizers, from manufacturer.
- 1.6 CLOSEOUT SUBMITTALS
- A. Maintenance Data: Recommended procedures to be established by Owner for maintenance of turf during a calendar year. Submit before expiration of required maintenance periods.
- 1.7 DELIVERY, STORAGE, AND HANDLING
- A. Sod: Harvest, deliver, store, and handle sod according to requirements in "Specifications for Turfgrass Sod Materials" and "Specifications for Turfgrass Sod Transplanting and Installation" sections in TPI's "Guideline Specifications to Turfgrass Sodding." Deliver sod within 24 hours of harvesting and in time for planting promptly. Protect sod from breakage and drying. B. Bulk Materials:
- 1. Do not dump or store bulk materials near structures, utilities, walkways and pavements, or on existing turf areas or plants. 2. Accompany each delivery of bulk materials with appropriate certificates.
- 1.8 FIELD CONDITIONS A. Weather Limitations: Proceed with planting only when existing and forecasted weather conditions permit
- planting to be performed when beneficial and optimum results may be obtained. Apply products during favorable weather conditions according to manufacturer's written instructions
- 1.9 TURFGRASS SOD
- A. Turfgrass Sod: Certified, complying with "Specifications for Turfgrass Sod Materials" in TPI's "Guideline Specifications to Turfgrass Sodding." Furnish viable sod of uniform density, color, and texture that is strongly rooted and capable of vigorous growth and development when planted. B. Turfgrass Species: Tifton 419 Bermudagrass (Cynodon dactylon 'Tifton 419').

1.10 FERTILIZERS

- A. Commercial Fertilizer: Commercial-grade complete fertilizer of neutral character, consisting of fast- and slow-release nitrogen, 50 percent derived from natural organic sources of urea formaldehyde, phosphorous, and potassium in the following composition:
- 1. Composition: 1 lb/1000 sq. ft. of actual nitrogen, 4 percent phosphorous, and 2 percent potassium, by B. Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50 percent water-insoluble nitrogen,
- phosphorus, and potassium in the following composition: 1. Composition: 20 percent nitrogen, 10 percent phosphorous, and 10 percent potassium, by weight. 2. Composition: Nitrogen, phosphorous, and potassium in amounts recommended in soil reports from a

qualified soil-testing laboratory. 1.11 PESTICIDES

- A. General: Pesticide, registered and approved by the EPA, acceptable to authorities having jurisdiction, and of type recommended by manufacturer for each specific problem and as required for Project conditions and
- application. Do not use restricted pesticides unless authorized in writing by authorities having jurisdiction. B. Pre-Emergent Herbicide (Selective and Nonselective): Effective for controlling the germination or growth of weeds within planted areas at the soil level directly below the mulch layer.
- C. Post-Emergent Herbicide (Selective and Nonselective): Effective for controlling weed growth that has already germinated.

1.12 EXAMINATION

- A. Examine areas to be planted for compliance with requirements and other conditions affecting installation and performance of the Work 1. Verify that no foreign or deleterious material or liquid such as paint, paint washout, concrete slurry,
- concrete layers or chunks, cement, plaster, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, or acid has been deposited in soil within a planting area. 2. Suspend planting operations during periods of excessive soil moisture until the moisture content reaches acceptable levels to attain the required results
- 3. Uniformly moisten excessively dry soil that is not workable or which is dusty.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
- C. If contamination by foreign or deleterious material or liquid is present in soil within a planting area, remove the soil and contamination as directed by Architect and replace with new planting soil. 1.13 PREPARATION
- A. Protect structures; utilities; sidewalks; pavements; and other facilities, trees, shrubs, and plantings from
- damage caused by planting operations. 1. Protect grade stakes set by others until directed to remove them.
- 1.14 TURF AREA PREPARATION
- A. General: Till and rake planting area free and clear of debris to allow for a smooth planting surface. Adjust elevation of planting soil to accept thickness of sod to achieve a smooth plane for optimal mowing equipment.
- B. Moisten prepared area before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil C. Before planting, obtain Architect's acceptance of finish grading; restore planting areas if eroded or otherwise
- disturbed after finish grading.
- 1.15 SODDING
- A. Lay sod within 24 hours of harvesting unless a suitable preservation method is accepted by Architect prior to delivery time. Do not lay sod if dormant or if ground is frozen or muddy. B. Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod; do not stretch or overlap.
- Stagger sod strips or pads to offset joints in adjacent courses. Avoid damage to soil or sod during installation. Tamp and roll lightly to ensure contact with soil, eliminate air pockets, and form a smooth surface. Work sifted soil or fine sand into minor cracks between pieces of sod; remove excess to avoid smothering sod and adiacent grass.
- 1. Lay sod across slopes exceeding 1:3.
- 2. Anchor sod on slopes exceeding 1:6 with wood pegs spaced as recommended by sod manufacturer but not less than two anchors per sod strip to prevent slippage.
- C. Saturate sod with fine water spray within two hours of planting. During first week after planting, water daily or more frequently as necessary to maintain moist soil to a minimum depth of 1-1/2 inches below sod.
- 1.16 TURF MAINTENANCE A. General: Maintain and establish turf by watering, fertilizing, weeding, mowing, trimming, replanting, and performing other operations as required to establish healthy, viable turf. Roll, regrade, and replant bare or eroded areas and remulch to produce a uniformly smooth turf. Provide materials and installation the same as those used in the original installation.
- 1. Fill in as necessary soil subsidence that may occur because of settling or other processes. Replace materials and turf damaged or lost in areas of subsidence
- 2. Apply treatments as required to keep turf and soil free of pests and pathogens or disease. Use integrated pest management practices whenever possible to minimize the use of pesticides and reduce hazards.
- B. Watering: Install and maintain temporary piping, hoses, and turf-watering equipment to convey water from sources and to keep turf uniformly moist to a depth of 4 inches. 1. Schedule watering to prevent wilting, puddling, erosion, and displacement of seed or mulch. Lay out
- temporary watering system to avoid walking over muddy or newly planted areas. 2. Water turf with fine spray at a minimum rate of 1 inch per week unless rainfall precipitation is adequate.
- C. Mow turf as soon as top growth is tall enough to cut. Repeat mowing to maintain specified height without cutting more than one-third of grass height. Remove no more than one-third of grass-leaf growth in initial or subsequent mowings. Do not delay mowing until grass blades bend over and become matted. Do not mow when grass is wet. Schedule initial and subsequent mowings to maintain the following grass height: 1. Mow Tifton 419 bermudagrass to a height of 1/2 to 1 inch.
- D. Turf Postfertilization: Apply commercial fertilizer after initial mowing and when grass is dry.
- 1. Use fertilizer that provides actual nitrogen of at least 1 lb/1000 sq. ft. to turf area. 1 17 SATISFACTORY TURE
- A. Turf installations shall meet the following criteria as determined by Architect:
- 1. Satisfactory Sodded Turf: At end of maintenance period, a healthy, well-rooted, even-colored, viable turf has been established, free of weeds, open joints, bare areas, and surface irregularities.
- B. Use specified materials to reestablish turf that does not comply with requirements, and continue maintenance until turf is satisfactory.
- 1.18 PESTICIDE APPLICATION
- A. Apply pesticides and other chemical products and biological control agents according to requirements of authorities having jurisdiction and manufacturer's written recommendations. Coordinate applications with Owner's operations and others in proximity to the Work. Notify Owner before each application is performed. B. Post-Emergent Herbicides (Selective and Nonselective): Apply only as necessary to treat already-germinated weeds and according to manufacturer's written recommendations.
- 1.19 CLEANUP AND PROTECTION
- A. Promptly remove soil and debris created by turf work from paved areas. Clean wheels of vehicles before leaving site to avoid tracking soil onto roads, walks, or other paved areas. B. Remove surplus soil and waste material, including excess subsoil, unsuitable soil, trash, and debris, and
- legally dispose of them off Owner's property. C. Erect temporary fencing or barricades and warning signs as required to protect newly planted areas from
- traffic. Maintain fencing and barricades throughout initial maintenance period and remove after plantings are established.

1.20 MAINTENANCE SERVICE

- A. Turf Maintenance Service: Provide full maintenance by skilled employees of landscape Installer. Maintain as required in "Turf Maintenance" Article. Begin maintenance immediately after each area is planted and continue until acceptable turf is established, but for not less than the following periods:
- 1. Sodded Turf: 30 days from date of Substantial Completion.

SECTION 329300 - PLANTS

- 1.1 RELATED DOCUMENTS
- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- 1.2 SUMMARY A. Section Includes:
- 1 Plants
- 2. Planting soils.
- B. Related Sections
- 1. Section 311000 "Site Clearing" for protection of existing trees and plantings, topsoil stripping and stockpiling, and site clearing. 2. Section 329200 "Turf and Grasses" for turf (lawn) and meadow planting, hydroseeding, and erosion-control materials.
- 1.3 UNIT PRICES
- A. Work of this Section is affected by unit prices specified in Section 012200 "Unit Prices."
- 1. Unit prices apply to authorized work covered by quantity allowances.
- 2. Unit prices apply to additions to and deletions from Work as authorized by Change Orders.
- 1.4 DEFINITIONS
- A. Backfill: The earth used to replace or the act of replacing earth in an excavation. B. Balled and Burlapped Stock: Plants dug with firm, natural balls of earth in which they were grown, with ball size not less than diameter and depth recommended by ANSI Z60.1 for type and size of plant required; wrapped with burlap, tied, rigidly supported, and drum laced with twine with the root flare visible at the surface of the ball as recommended by ANSI Z60.1
- C. Balled and Potted Stock: Plants dug with firm, natural balls of earth in which they are grown and placed, unbroken, in a container. Ball size is not less than diameter and depth recommended by ANSI Z60.1 for type and size of plant required.
- . Bare-Root Stock: Plants with a well-branched, fibrous-root system developed by transplanting or root pruning, with soil or growing medium removed, and with not less than minimum root spread according to ANSI Z60.1 for type and size of plant required. E. Container-Grown Stock: Healthy, vigorous, well-rooted plants grown in a container, with a well-established
- root system reaching sides of container and maintaining a firm ball when removed from container. Container shall be rigid enough to hold ball shape and protect root mass during shipping and be sized according to ANSI Z60.1 for type and size of plant required.
- F. Duff Layer: The surface layer of native topsoil that is composed of mostly decayed leaves, twigs, and detritus G. Finish Grade: Elevation of finished surface of planting soil. H. Pests: Living organisms that occur where they are not desired, or that cause damage to plants, animals, or
- people. These include insects, mites, grubs, mollusks (snails and slugs), rodents (gophers, moles, and mice), unwanted plants (weeds), fungi, bacteria, and viruses. Planting Area: Areas to be planted.
- J. Planting Soil: Standardized topsoil; existing, native surface topsoil; existing, in-place surface soil; imported topsoil; or manufactured topsoil that is modified with soil amendments and perhaps fertilizers to produce a soil mixture best for plant growth
- K. Plant; Plants; Plant Material: These terms refer to vegetation in general, including trees, shrubs, vines, ground covers, ornamental grasses, bulbs, corms, tubers, or herbaceous vegetation. Root Flare: Also called "trunk flare." The area at the base of the plant's stem or trunk where the stem or trunk
- broadens to form roots; the area of transition between the root system and the stem or trunk.
- M. Stem Girdling Roots: Roots that encircle the stems (trunks) of trees below the soil surface. N. Subgrade: Surface or elevation of subsoil remaining after excavation is complete, or the top surface of a fill or
- backfill before planting soil is placed. O. Subsoil: All soil beneath the topsoil layer of the soil profile, and typified by the lack of organic matter and soil
- P. Surface Soil: Soil that is present at the top layer of the existing soil profile at the Project site. In undisturbed areas, the surface soil is typically topsoil; but in disturbed areas such as urban environments, the surface soil can be subsoil.

1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated, including soils.
- 1. Plant Materials: Include quantities, sizes, quality, and sources for plant materials. 2. Plant Photographs: Include color photographs in digital format of each required species and size of plant material as it will be furnished to the Project. Take photographs from an angle depicting true size and condition of the typical plant to be furnished. Include a scale rod or other measuring device in each photograph. For species where more than 20 plants are required, include a minimum of three photographs showing the average plant, the best guality plant, and the worst guality plant to be furnished. Identify each photograph with the full scientific name of the plant, plant size, and name of the growing nursery.
- 3. Samples for Verification: For each of the following: 1. Organic Mulch: 1-pint volume of each organic mulch required; in sealed plastic bags labeled with composition of materials by percentage of weight and source of mulch. Each Sample shall be typical of the lot of material to be furnished; provide an accurate representation of color, texture, and organic makeup.

1.6 INFORMATIONAL SUBMITTALS A. Maintenance Instructions: Recommended procedures to be established by Owner for maintenance of plants during a calendar year. Submit before start of required maintenance periods.

B. Warranty: Sample of special warranty.

QUALITY ASSURANCE

- A. Provide quality, size, genus, species, and variety of plants indicated, complying with applicable requirements in ANSI Z60.1 B. Measurements: Measure according to ANSI Z60.1, typical, or Florida Grades & Standards, if referenced. Do not prune to obtain required sizes
- 1. Trees and Shrubs: Measure with branches and trunks or canes in their normal position. Take height measurements from or near the top of the root flare for field-grown stock and container grown stock. Measure main body of tree or shrub for height and spread: do not measure branches or roots tip to tip. Take caliper measurements 6 inches above the root flare for trees up to 4-inch caliper size, and 12 inches above the root flare for larger sizes.
- Other Plants: Measure with stems, petioles, and foliage in their normal position.
- C. Plant Material Observation: Architect may observe plant material either at place of growth or at site before planting for compliance with requirements for genus, species, variety, cultivar, size, and quality. Architect retains right to observe trees and shrubs further for size and condition of balls and root systems, pests, disease symptoms, injuries, and latent defects and to reject unsatisfactory or defective material at any time during progress of work. Remove rejected trees or shrubs immediately from Project site. 1. Notify Architect of sources of planting materials seven days in advance of delivery to site.
- D. Preinstallation Conference: Conduct conference at Project site.
- 1.8 DELIVERY, STORAGE, AND HANDLING
- A. Packaged Materials: Deliver packaged materials in original, unopened containers showing weight, certified analysis, name and address of manufacturer, and indication of conformance with state and federal laws if applicable.

B. Bulk Materials:

- 1. Do not dump or store bulk materials near structures, utilities, walkways and pavements, or on existing turf areas or plants. 2. Provide erosion-control measures to prevent erosion or displacement of bulk materials, discharge of
- soil-bearing water runoff, and airborne dust reaching adjacent properties, water conveyance systems, or walkwavs Accompany each delivery of bulk fertilizers and soil amendments with appropriate certificates.
- C. Deliver bare-root stock plants freshly dug. Immediately after digging up bare-root stock, pack root system in wet straw, hay, or other suitable material to keep root system moist until planting.
- D. Do not prune trees and shrubs before delivery. Protect bark, branches, and root systems from sun scald, drying, wind burn, sweating, whipping, and other handling and tying damage. Do not bend or bind-tie trees or shrubs in such a manner as to destroy their natural shape. Provide protective covering of plants during shipping and delivery. Do not drop plants during delivery and handling.
- E. Handle planting stock by root ball.
- F. Store bulbs, corms, and tubers in a dry place at 60 to 65 deg F until planting.
- G. Deliver plants after preparations for planting have been completed, and install immediately. If planting is delayed more than six hours after delivery, set plants and trees in their appropriate aspect (sun, filtered sun, or shade), protect from weather and mechanical damage, and keep roots moist. 1. Heel-in bare-root stock. Soak roots that are in dry condition in water for two hours. Reject dried-out plants.
- 2. Set balled stock on ground and cover ball with soil, peat moss, sawdust, or other acceptable material.
- 3. Do not remove container-grown stock from containers before time of planting. 4. Water root systems of plants stored on-site deeply and thoroughly with a fine-mist spray. Water as often as necessary to maintain root systems in a moist, but not overly-wet condition.

1.9 PROJECT CONDITIONS

- A. Field Measurements: Verify actual grade elevations, service and utility locations, irrigation system components, and dimensions of plantings and construction contiguous with new plantings by field measurements before proceeding with planting work.
- B. Interruption of Existing Services or Utilities: Do not interrupt services or utilities to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary services or utilities according to requirements indicated:
- 1. Notify Architect no fewer than two days in advance of proposed interruption of each service or utility. 2. Do not proceed with interruption of services or utilities without Architect's written permission.
- C. Planting Restrictions: Plant during one of the following periods. Coordinate planting periods with maintenance periods to provide required maintenance from date of Substantial Completion.
- . Weather Limitations: Proceed with planting only when existing and forecasted weather conditions permit planting to be performed when beneficial and optimum results may be obtained. Apply products during favorable weather conditions according to manufacturer's written instructions and warranty requirements.
- E. Coordination with Turf Areas (Lawns): Plant trees, shrubs, and other plants after finish grades are established and before planting turf areas unless otherwise indicated. 1. When planting trees, shrubs, and other plants after planting turf areas, protect turf areas, and promptly
- repair damage caused by planting operations. 1 10 WARRANTY
- A. Special Warranty: Installer agrees to repair or replace plantings and accessories that fail in materials, workmanship, or growth within specified warranty period. 1. Failures include, but are not limited to, the following:
- a. Death and unsatisfactory growth, except for defects resulting from abuse, lack of adequate maintenance, or neglect by Owner, or incidents that are beyond Contractor's control.
- b. Structural failures including plantings falling or blowing over.

- c. Deterioration of metals, metal finishes, and other materials beyond normal weathering. 2. Warranty Periods from Date of Substantial Completion
- a. Trees, Shrubs, Vines, and Ornamental Grasses: 12 months. b. Ground Covers, Biennials, Perennials, and Other Plants: 12 months.
- c. Annuals: Three months.
- 3. Include the following remedial actions as a minimum: a. Immediately remove dead plants and replace unless required to plant in the succeeding planting b. Replace plants that are more than 25 percent dead or in an unhealthy condition at end of warranty
- period c. A limit of one replacement of each plant will be required except for losses or replacements due to
- failure to comply with requirements. d. Provide extended warranty for period equal to original warranty period, for replaced plant material.
- 1.11 MAINTENANCE SERVICE
- A. Initial Maintenance Proposal: From Installer to Owner and/or Bid Administrator, in the form of a standard yearly (or other period) maintenance agreement as an addendum to Bid Proposal or Bid Form if not requested otherwise in bidding documents, starting on date that maintenance begins as defined in this Section. State
- services, obligations, conditions, and terms for agreement period and for future renewal options. B. Initial Maintenance Service for Trees and Shrubs: Provide maintenance by skilled employees of landscape Installer. Maintain as required in Part 3. Begin maintenance immediately after plants are installed and continue until plantings are acceptably healthy and well established but for not less than maintenance period below. 1. Maintenance Period: 12 months from date of Substantial Completion.
- C. Initial Maintenance Service for Ground Cover and Other Plants: Provide maintenance by skilled employees of landscape Installer. Maintain as required in Part 3. Begin maintenance immediately after plants are installed and continue until plantings are acceptably healthy and well established but for not less than maintenance period below.
- 1. Maintenance Period: Six months from date of Substantial Completion. D. Continuing Maintenance Proposal: From Installer to Owner, in the form of a standard yearly (or other period) maintenance agreement, starting on date initial maintenance service is concluded. State services, obligations, conditions, and terms for agreement period and for future renewal options.
- 1 12 PLANT MATERIAL
- A. General: Furnish nursery-grown plants true to genus, species, variety, cultivar, stem form, shearing, and other features indicated in Plant Schedule or Plant Legend shown on Drawings and complying with ANSI Z60.1; and with healthy root systems developed by transplanting or root pruning. Provide well-shaped, fully branched, healthy, vigorous stock, densely foliated when in leaf and free of disease, pests, eggs, larvae, and defects such as knots, sun scald, injuries, abrasions, and disfigurement
- 1. Trees with damaged, crooked, or multiple leaders; tight vertical branches where bark is squeezed between two branches or between branch and trunk ("included bark"); crossing trunks; cut-off limbs more than 3/4 inch in diameter; or with stem girdling roots will be rejected.
- 2. Collected Stock: Do not use plants harvested from the wild, from native stands, from an established landscape planting, or not grown in a nursery unless otherwise indicated. B. Provide plants of sizes, grades, and ball or container sizes complying with ANSI Z60.1 for types and form of plants required. Plants of a larger size may be used if acceptable to Architect, with a proportionate increase in
- size of roots or balls. C. Root-Ball Depth: Furnish trees and shrubs with root balls measured from top of root ball, which shall begin at root flare according to ANSI Z60.1. Root flare shall be visible before planting.
- D. Labeling: Label at least one plant of each variety, size, and caliper with a securely attached, waterproof tag bearing legible designation of common name and full scientific name, including genus and species. Include nomenclature for hybrid, variety, or cultivar, if applicable for the plant as shown on Drawings.
- E. If formal arrangements or consecutive order of plants is shown on Drawings, select stock for uniform height and spread, and number the labels to assure symmetry in planting.
- F. Annuals: Provide healthy, disease-free plants of species and variety shown or listed, with well-established root systems reaching to sides of the container to maintain a firm ball, but not with excessive root growth encircling the container. Provide only plants that are acclimated to outdoor conditions before delivery.
- 1.13 ORGANIC SOIL AMENDMENTS A. Compost: Well-composted, stable, and weed-free organic matter, pH range of 5.5 to 8; moisture content 35 to 55 percent by weight; 100 percent passing through 1/2-inch sieve; soluble salt content of 5 to 10 decisiemens/m; not exceeding 0.5 percent inert contaminants and free of substances toxic to plantings; and as follows:
- 1. Organic Matter Content: 50 to 60 percent of dry weight. 2. Feedstock: Agricultural, food, or industrial residuals; biosolids; yard trimmings; or source-separated or
- compostable mixed solid waste. B. Wood Derivatives: Decomposed, nitrogen-treated sawdust, ground bark, or wood waste; of uniform texture and free of chips, stones, sticks, soil, or toxic materials. 1. In lieu of decomposed wood derivatives, mix partially decomposed wood derivatives with ammonium
- nitrate at a minimum rate of 0.15 lb/cu. ft. of loose sawdust or ground bark, or with ammonium sulfate at a minimum rate of 0.25 lb/cu. ft. of loose sawdust or ground bark. 2. Some regional trade names include "Topsoil Conditioner" or "IP Mulch".
- 1.14 FERTILIZERS
- A. Commercial Fertilizer: Commercial-grade complete fertilizer of neutral character, consisting of fast- and slow-release nitrogen, 50 percent derived from natural organic sources of urea formaldehyde, phosphorous, and potassium in the following composition 1. Composition: 1 lb/1000 sq. ft. of actual nitrogen, 4 percent phosphorous, and 2 percent potassium, by weight.
- B. Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorus, and potassium in the following composition:
- 1. Composition: 20 percent nitrogen, 10 percent phosphorous, and 10 percent potassium, by weight. 2. Planting Tablets: Tightly compressed chip type, long-lasting, slow-release, commercial-grade planting fertilizer in tablet form. Tablets shall break down with soil bacteria, converting nutrients into a form that can be absorbed by plant roots. Size: 21-gram tablets.
- 2. Nutrient Composition: 20 percent nitrogen, 10 percent phosphorous, and 5 percent potassium, by weight plus micronutrients.
- 1.15 PLANTING SOILS

A. Planting Soil, typical: Existing, native surface topsoil formed under natural conditions with the duff layer retained during excavation process. Verify suitability of native surface topsoil to produce viable planting soil. Clean soil of roots, plants, sod, stones, clay lumps, and other extraneous materials harmful to plant growth. 1. Mix existing, native surface topsoil with either of the following soil amendments and fertilizers in the following quantities to produce planting soil:

- a. Ratio of Loose Compost to Topsoil by Volume: 1:3.
- b. Ratio of Loose Wood Derivatives to Topsoil by Volume: 1:3. c. Weight of Commercial Fertilizer per 1000 Sq. Ft. : 1 lb..

compound, or acid has been deposited in soil within a planting area.

moisture content reaches acceptable levels to attain the required results.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

water runoff or airborne dust to adjacent properties and walkways.

1. Apply each fertilizer directly to subgrade before loosening.

and rake, remove ridges, and fill depressions to meet finish grades.

and incorporate fully into required depth.

soil and contamination as directed by Architect and replace with new planting soil.

2. Do not mix or place soils and soil amendments in frozen, wet, or muddy conditions.

4. Uniformly moisten excessively dry soil that is not workable and which is too dusty.

- d. Weight of Slow-Release Fertilizer per 1000 Sq. Ft. : 1 lb..
- 1.16 MULCHES
- A. Organic Mulch: Free from deleterious materials and suitable as a top dressing of trees and shrubs, consisting of one of the following: 1. Type: Longleaf pine needles.

A. Examine areas to receive plants for compliance with requirements and conditions affecting installation and

1. Verify that no foreign or deleterious material or liquid such as paint, paint washout, concrete slurry,

3. Suspend soil spreading, grading, and tilling operations during periods of excessive soil moisture until the

C. If contamination by foreign or deleterious material or liquid is present in soil within a planting area, remove the

A. Protect structures, utilities, sidewalks, pavements, and other facilities and turf areas and existing plants from

B. Install erosion-control measures to prevent erosion or displacement of soils and discharge of soil-bearing

C. Lay out individual tree and shrub locations and areas for multiple plantings. Stake locations, outline areas,

D. Lay out plants at locations directed by Architect. Stake locations of individual trees and shrubs and outline

A. Loosen subgrade of planting areas to a minimum depth of 4 inches. Remove stones larger than 1 inch in any

dimension and sticks, roots, rubbish, and other extraneous matter and legally dispose of them off Owner's

2. Till and rake planting area to receive amendments. Spread amendments to achieve ratios at 4" depth. Till

B. Finish Grading: Grade planting areas to a smooth, uniform surface plane with loose, uniformly fine texture. Roll

C. Before planting, obtain Architect's acceptance of finish grading; restore planting areas if eroded or otherwise

A. Planting Pits and Trenches: Excavate circular planting pits with sides sloping inward at a 45-degree angle.

Excavations with vertical sides are not acceptable. Trim perimeter of bottom leaving center area of bottom

raised slightly to support root ball and assist in drainage away from center. Do not further disturb base. Ensure

that root ball will sit on undisturbed base soil to prevent settling. Scarify sides of planting pit smeared or

2. Excavate at least 12 inches wider than root spread and deep enough to accommodate vertical roots for

3. Do not excavate deeper than depth of the root ball, measured from the root flare to the bottom of the root

4. If area under the plant was initially dug too deep, add soil to raise it to the correct level and thoroughly

5. Maintain required angles of repose of adjacent materials as shown on the Drawings. Do not excavate

subgrades of adjacent paving, structures, hardscapes, or other new or existing improvements.

1. Excavate approximately three times as wide as ball diameter for balled and burlapped stock.

adjust locations when requested, and obtain Architect's acceptance of layout before excavating or planting.

concrete layers or chunks, cement, plaster, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing

- 2. Color: Natural.
- 1.17 EXAMINATION

performance.

1 18 PREPARATION

property.

damage caused by planting operations

Make minor adjustments as required.

areas for multiple plantings.

1.19 PLANTING AREA ESTABLISHMENT

disturbed after finish grading.

smoothed during excavation.

bare-root stock.

1.20 EXCAVATION FOR TREES AND SHRUBS

tamp the added soil to prevent settling.

6. Maintain supervision of excavations during working hours.

7. Keep excavations covered or otherwise protected after working hours

B. Subsoil and topsoil removed from excavations may be used as planting soil. C. Obstructions: Notify Architect if unexpected rock or obstructions detrimental to trees or shrubs are encountered in excavations.

1. Hardpan Layer: Drill 6-inch-diameter holes, 24 inches apart, into free-draining strata or to a depth of 10 feet, whichever is less, and backfill with free-draining material D. Drainage: Notify Architect if subsoil conditions evidence unexpected water seepage or retention in tree or

- shrub planting pits.
- E. Fill excavations with water and allow to percolate away before positioning trees and shrubs.
- 1.21 TREE, SHRUB, AND VINE PLANTING

A. Before planting, verify that root flare is visible at top of root ball according to ANSI Z60.1. If root flare is not visible, remove soil in a level manner from the root ball to where the top-most root emerges from the trunk. After soil removal to expose the root flare, verify that root ball still meets size requirements.

B. Remove stem girdling roots and kinked roots. Remove injured roots by cutting cleanly; do not break. C. Set balled and burlapped stock plumb and in center of planting pit or trench with root flare 1 inch above

adjacent finish grades

1. Use planting soil, typical, for backfill.

2. After placing some backfill around root ball to stabilize plant, carefully cut and remove burlap, rope, and wire baskets from tops of root balls and from sides, but do not remove from under root balls. Remove pallets, if any, before setting. Do not use planting stock if root ball is cracked or broken before or during planting operation

- 3. Backfill around root ball in layers, tamping to settle soil and eliminate voids and air pockets. When planting pit is approximately one-half filled, water thoroughly before placing remainder of backfill. Repeat watering until no more water is absorbed. 4. Place planting tablets in each planting pit when pit is approximately one-half filled; in amounts
- recommended in soil reports from soil-testing laboratory. Place tablets beside the root ball about 1 inch from root tips: do not place tablets in bottom of the hole. 5. Continue backfilling process. Water again after placing and tamping final layer of soil.
- D. Set container-grown stock plumb and in center of planting pit or trench with root flare 1 inch above adjacent finish grades.
- 1. Use planting soil, typical, for backfill. 2. Carefully remove root ball from container without damaging root ball or plant.
- 3. Backfill around root ball in layers, tamping to settle soil and eliminate voids and air pockets. When planting pit is approximately one-half filled, water thoroughly before placing remainder of backfill. Repeat watering until no more water is absorbed
- 4. Place planting tablets in each planting pit when pit is approximately one-half filled; in amounts recommended in soil reports from soil-testing laboratory. Place tablets beside the root ball about 1 inch from root tips; do not place tablets in bottom of the hole.
- 5. Continue backfilling process. Water again after placing and tamping final layer of soil. E. When planting on slopes, set the plant so the root flare on the uphill side is flush with the surrounding soil on the slope; the edge of the root ball on the downhill side will be above the surrounding soil. Apply enough soil to cover the downhill side of the root ball.
- 1.22 TREE, SHRUB, AND VINE PRUNING

A. Prune, thin, and shape trees, shrubs, and vines as directed by Architect.

- B. Do not apply pruning paint to wounds. 1.23 GROUND COVER AND PLANT PLANTING
- A. Set out and space ground cover and plants other than trees, shrubs, and vines as indicated in even rows with triangular spacing.
- B. Use planting soil, typical, for backfill.

Dig holes large enough to allow spreading of roots.

D. For rooted cutting plants supplied in flats, plant each in a manner that will minimally disturb the root system but to a depth not less than two nodes E. Work soil around roots to eliminate air pockets and leave a slight saucer indentation around plants to hold

- F. Water thoroughly after planting, taking care not to cover plant crowns with wet soil.
- G. Protect plants from hot sun and wind; remove protection if plants show evidence of recovery from transplanting shock

1.24 PLANTING AREA MULCHING

- A. Mulch backfilled surfaces of planting areas and other areas indicated.
- 1. Trees and Tree-like Shrubs in Turf Areas: Apply organic mulch ring of 3-inch average thickness, with 36-inch radius around trunks or stems. Do not place mulch within 3 inches of trunks or stems. 2. Organic Mulch in Planting Areas: Apply 3-inch average settled thickness of organic mulch over whole surface of planting area, and finish level with adjacent finish grades. Do not place mulch within 2 inches of trunks or stems.

1.25 PLANT MAINTENANCE

- A. Maintain plantings by pruning, cultivating, watering, weeding, fertilizing, mulching, restoring planting saucers, adjusting and repairing tree-stabilization devices, resetting to proper grades or vertical position, and performing other operations as required to establish healthy, viable plantings. Spray or treat as required to keep trees and shrubs free of insects and disease B. Fill in as necessary soil subsidence that may occur because of settling or other processes. Replace mulch
- materials damaged or lost in areas of subsidence 1.26 CLEANUP AND PROTECTION
- A. During planting, keep adjacent paying and construction clean and work area in an orderly condition.
- B. Protect plants from damage due to landscape operations and operations of other contractors and trades. Maintain protection during installation and maintenance periods. Treat, repair, or replace damaged plantings. C. After installation and before Substantial Completion, remove nursery tags, nursery stakes, tie tape, labels, wire, burlap, and other debris from plant material, planting areas, and Project site.
- 1.27 DISPOSAL A. Remove surplus soil and waste material including excess subsoil, unsuitable soil, trash, and debris and legally
- dispose of them off Owner's property.

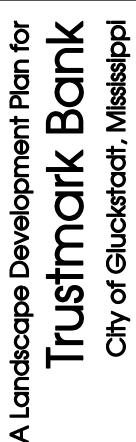


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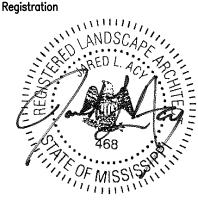
THESE PLANS HAVE NOT BEEN APPROVED AND ARE SUBJECT TO CHANGE.



Revisio	ons	
No.	Date	Revisions / Submissions

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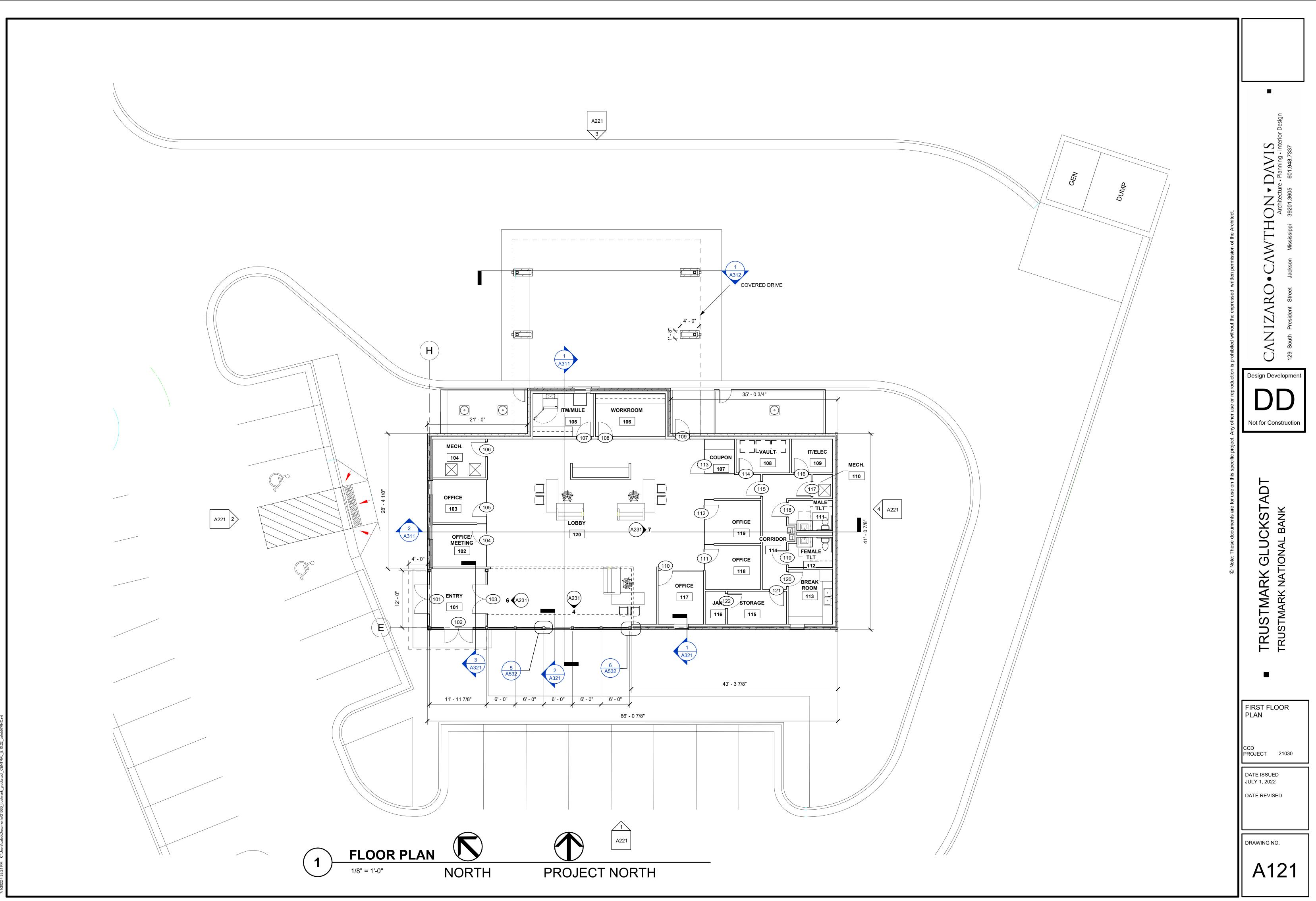
JCS
Drawn
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Project Manager
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Principal
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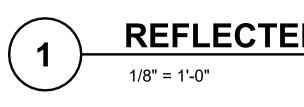
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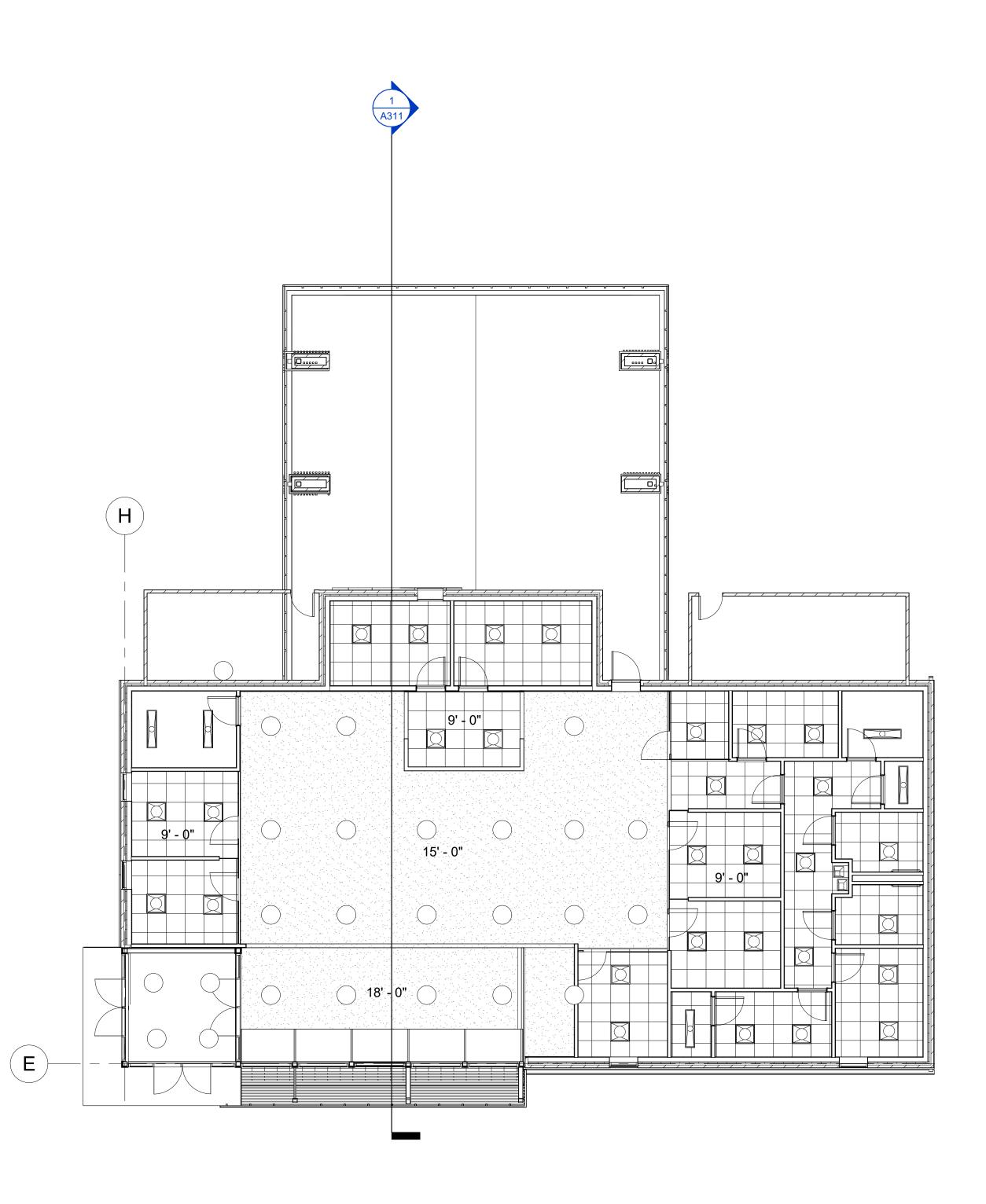
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REFLECTED CEILING PLAN

NORTH



PROJECT NORTH

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CCD PROJECT 21030	
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drawing no.	

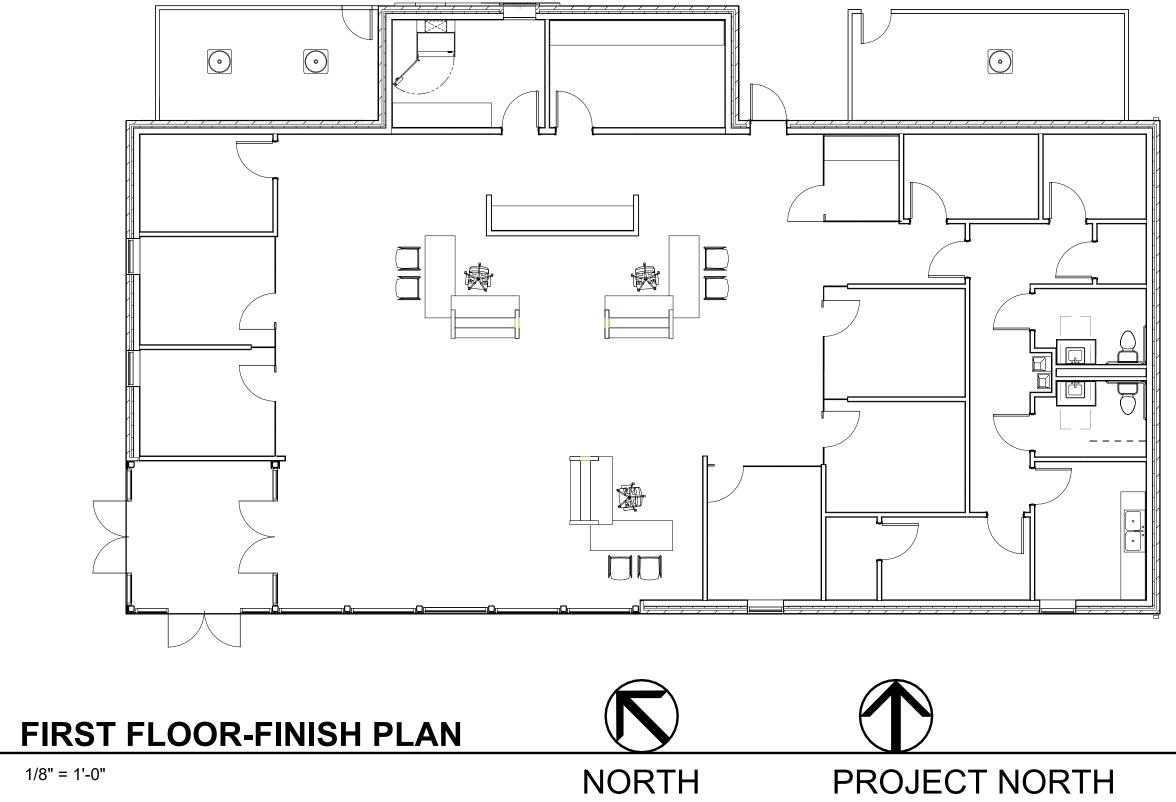
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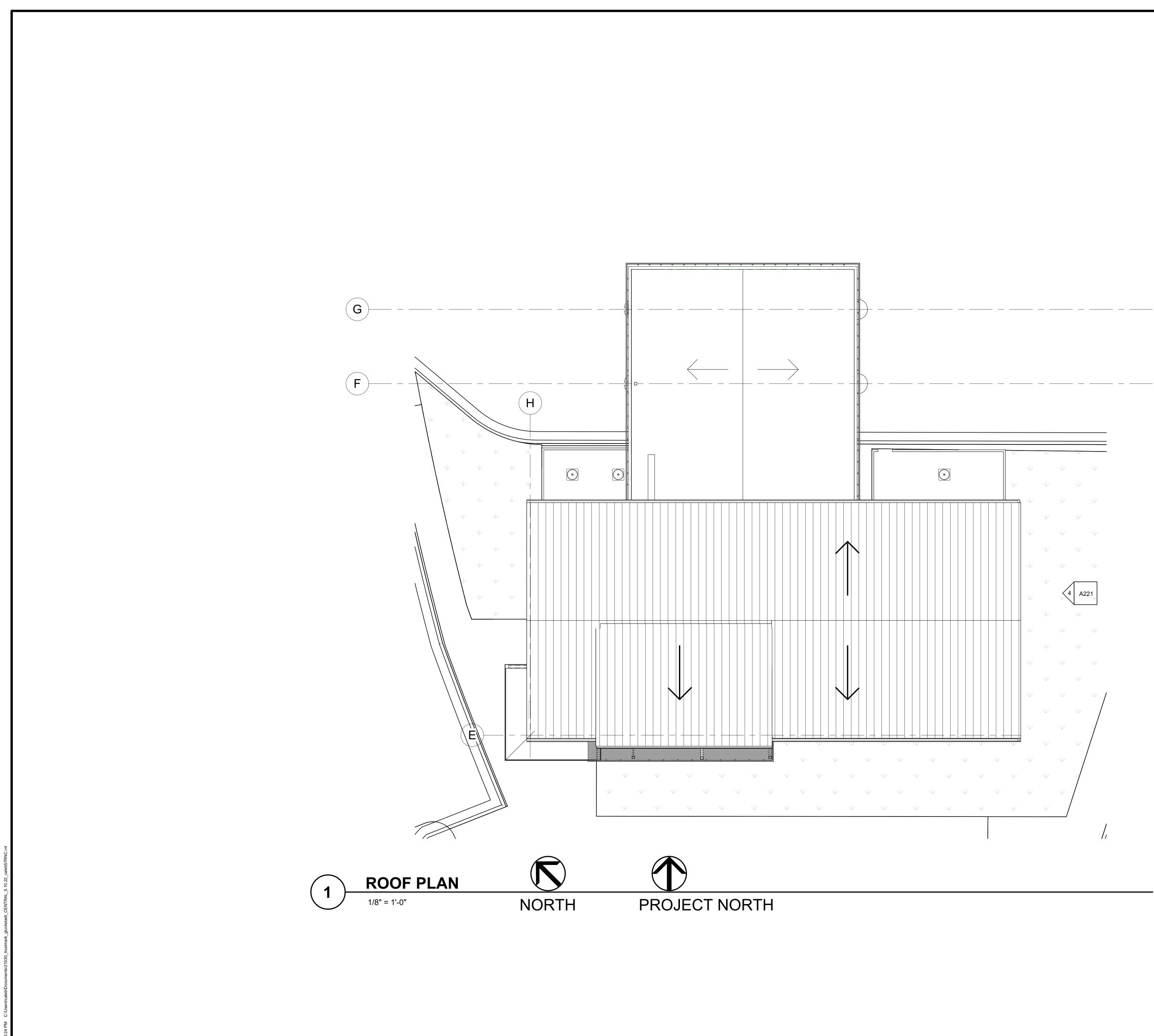


FINISH SCHEDULE									
				WALLS			CEILING		
IBER	NAME	FLOOR	BASE	N WALL	S WALL	E WALL	W WALL	CEILING	REMARKS
	ENTRY	PCT	PCT	Р	Р	Р	Р	GWB	
	OFFICE/ MEETING	CPT	RB	Р	Р	Р	Р	ACT	
	OFFICE	CPT	RB	Р	Р	Р	Р	ACT	
	MECH.	CONC		Р	Р	Р	Р		
	ITM/MULE	LVT	RB	Р	Р	Р	Р	ACT	
	WORKROOM	LVT	RB	Р	Р	Р	Р	ACT	
	COUPON	PCT	PCT	Р	Р	Р	Р	ACT	
	VAULT	LVT	RB	Р	Р	Р	Р	ACT	
	IT/ELEC	CONC		Р	Р	Р	Р		FR PLYWD ALL WALLS
	MECH.	CONC		Р	Р	Р	Р		
	MALE TLT	PCT	PCT	Р	PCT	PCT	Р	ACT	
	FEMALE TLT	PCT	PCT	PCT	Р	PCT	Р	ACT	
	BREAK ROOM	LVT	RB	Р	Р	Р	Р	ACT	
	CORRIDOR	LVT	RB	Р	Р	Р	Р	ACT	
	STORAGE	LVT	RB	Р	Р	Р	Р	ACT	
	JAN.	СТ	FRP	FRP	FRP	FRP	FRP	ACT	
	OFFICE	CPT	RB	Р	Р	Р	Р	ACT	
	OFFICE	CPT	RB	Р	Р	Р	Р	ACT	
	OFFICE	CPT	RB	Р	Р	Р	Р	ACT	
	LOBBY	PCT	PCT	Р	Р	Р	Р	GWB	

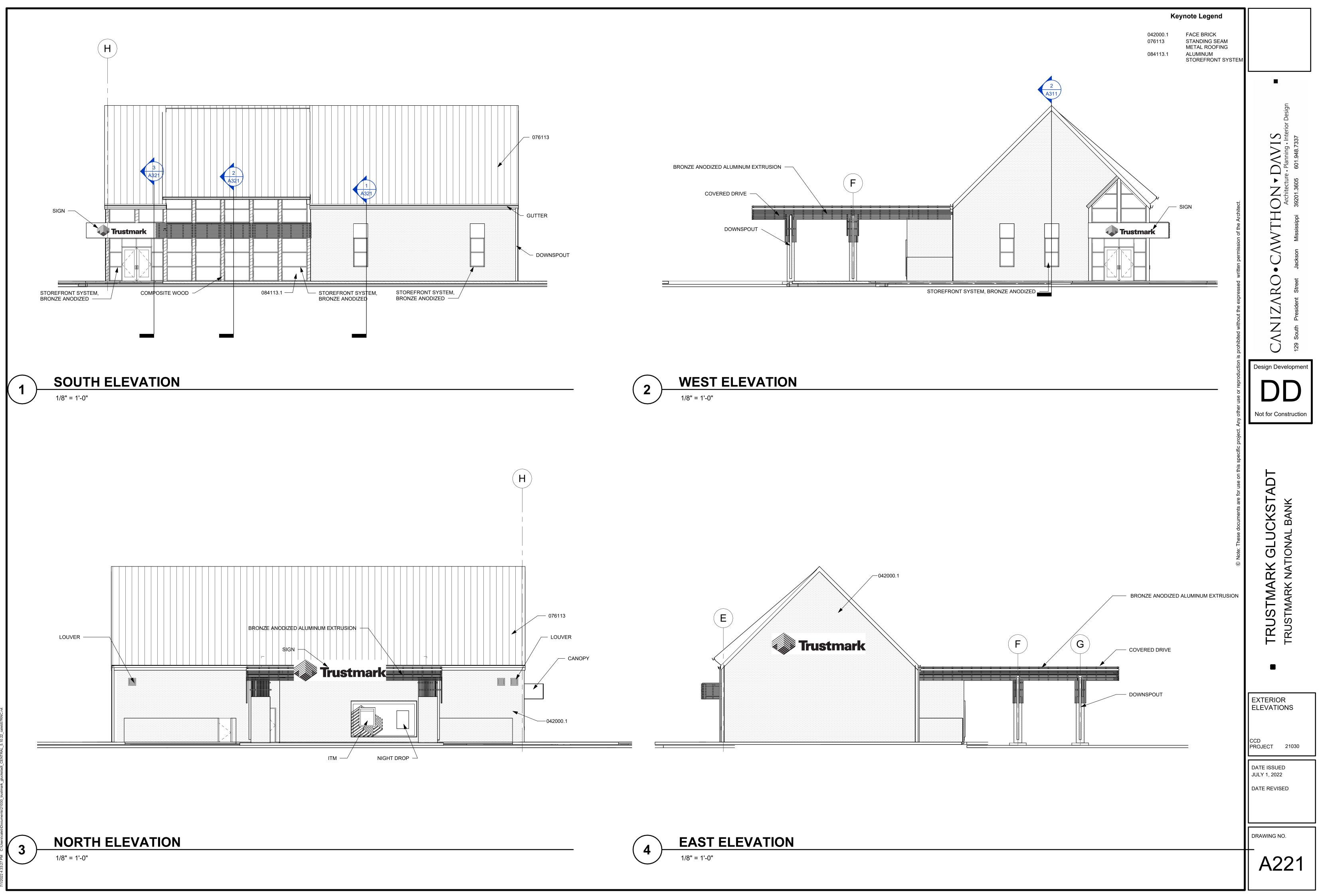


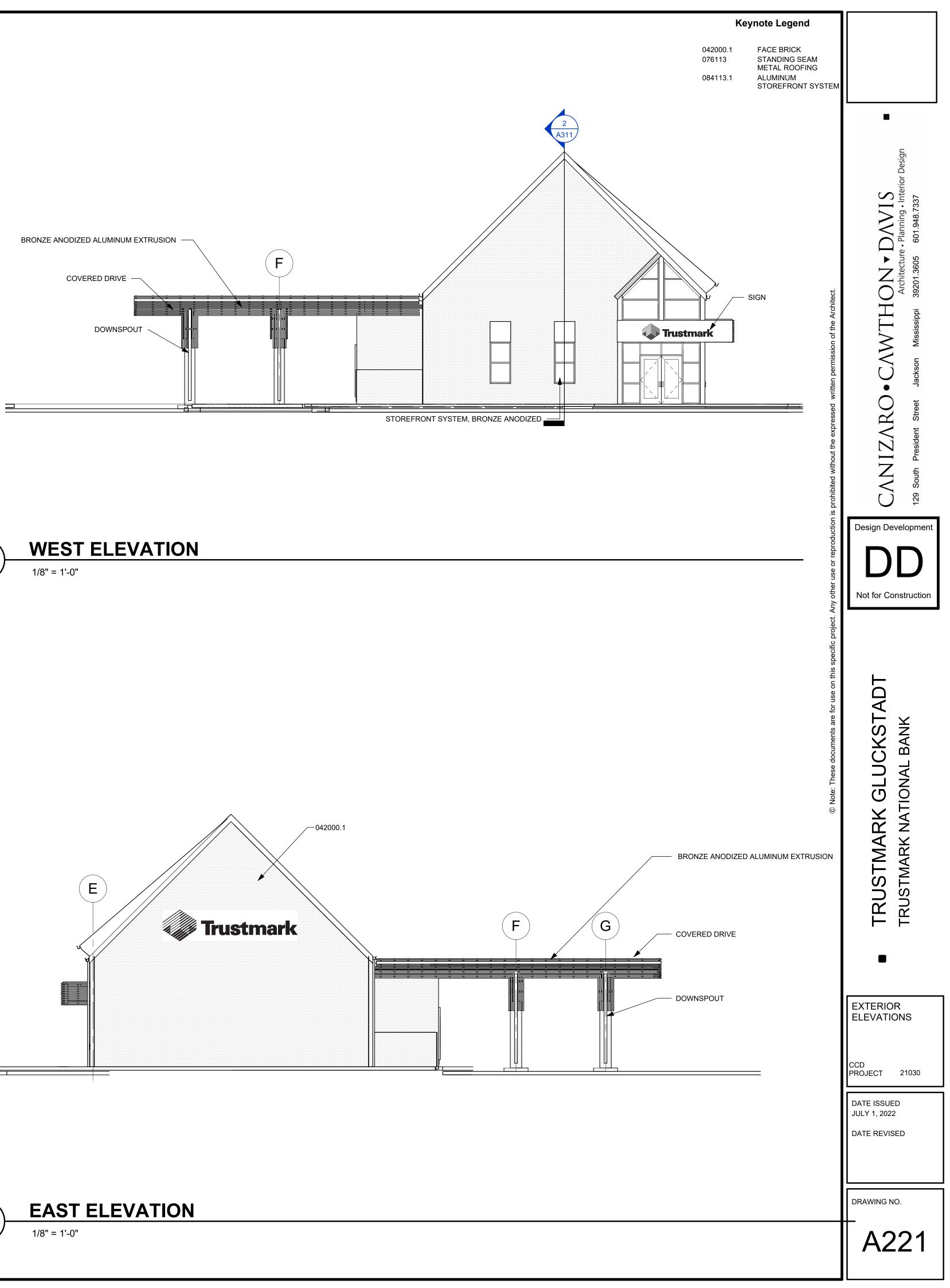
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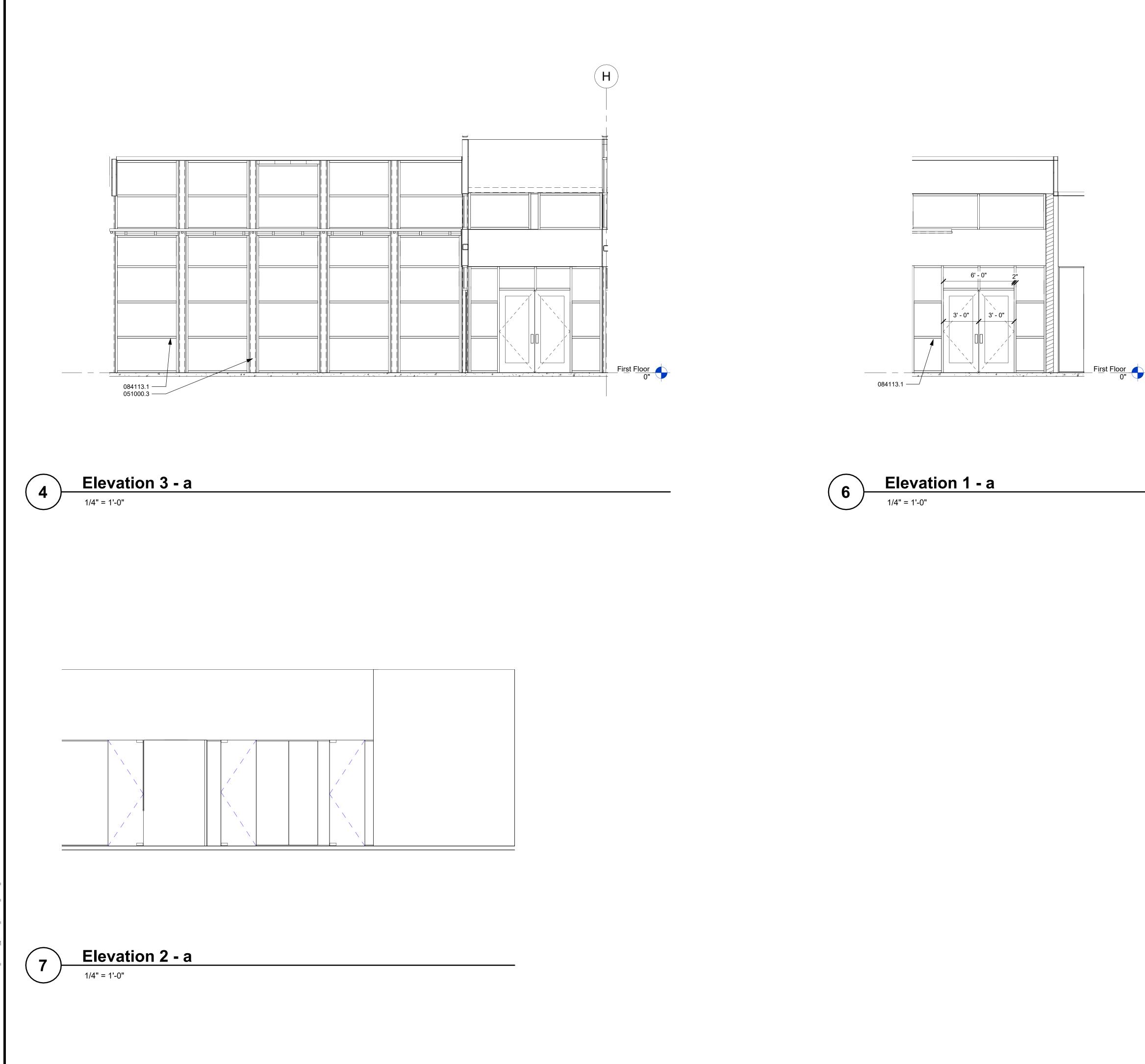


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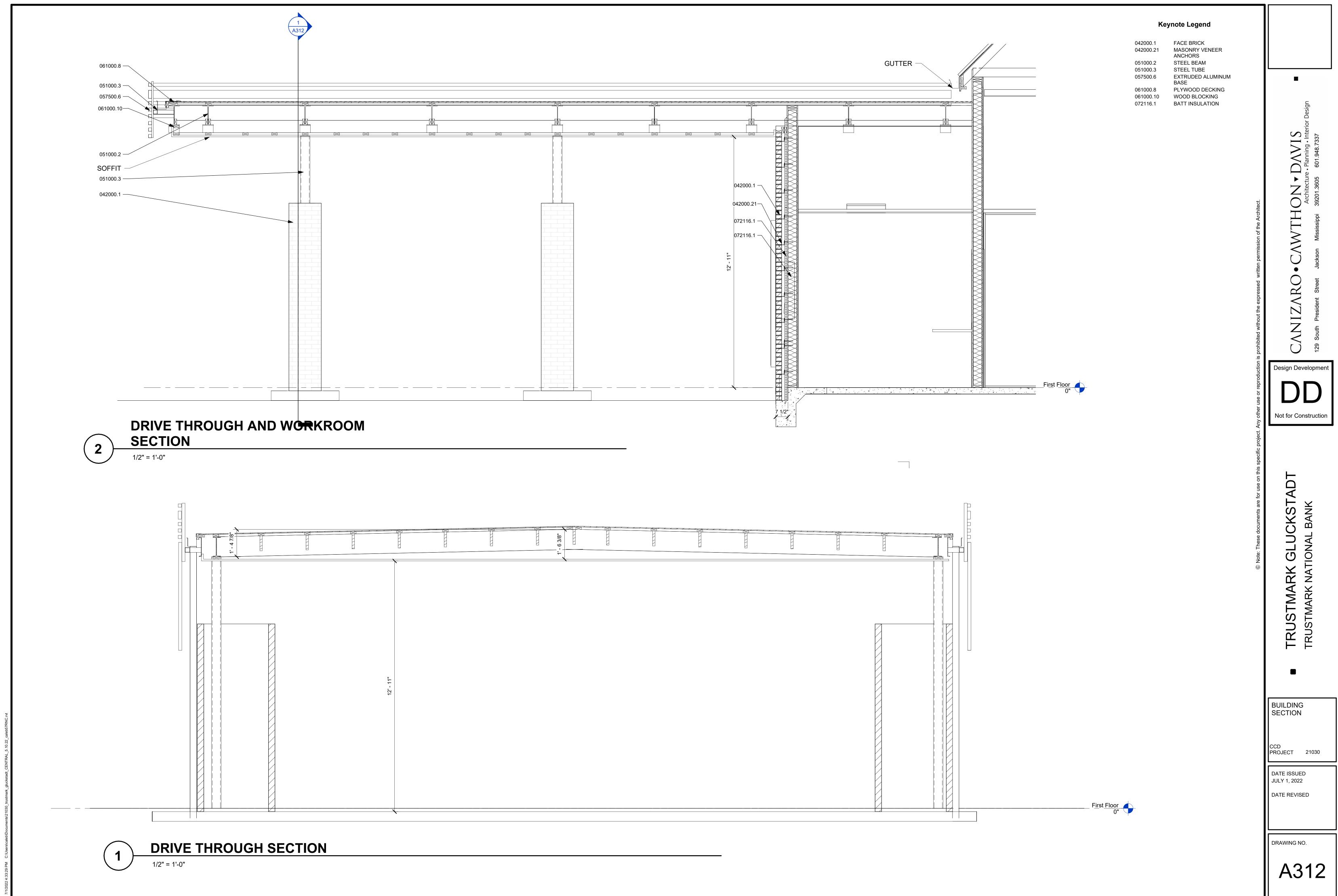
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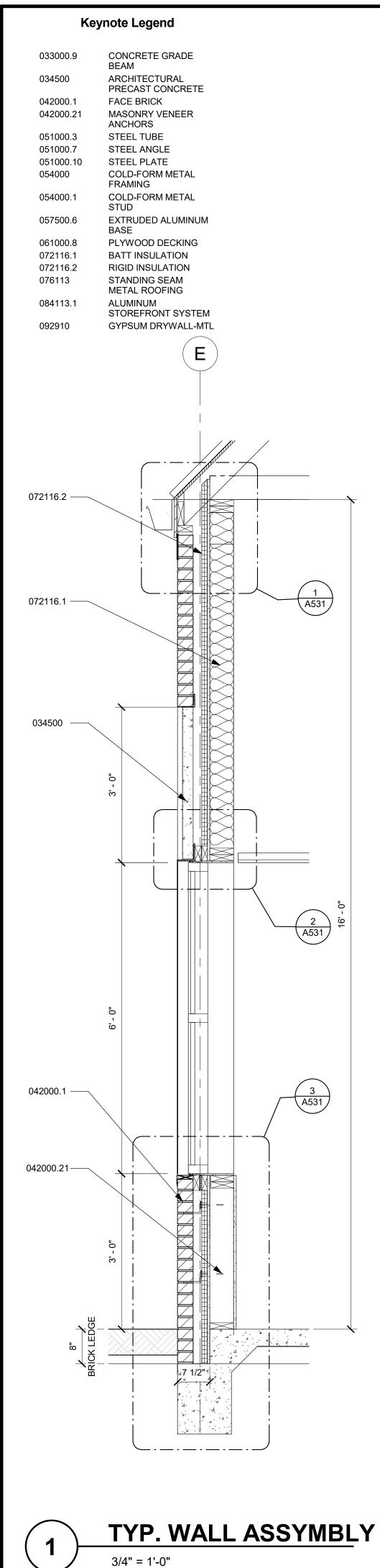
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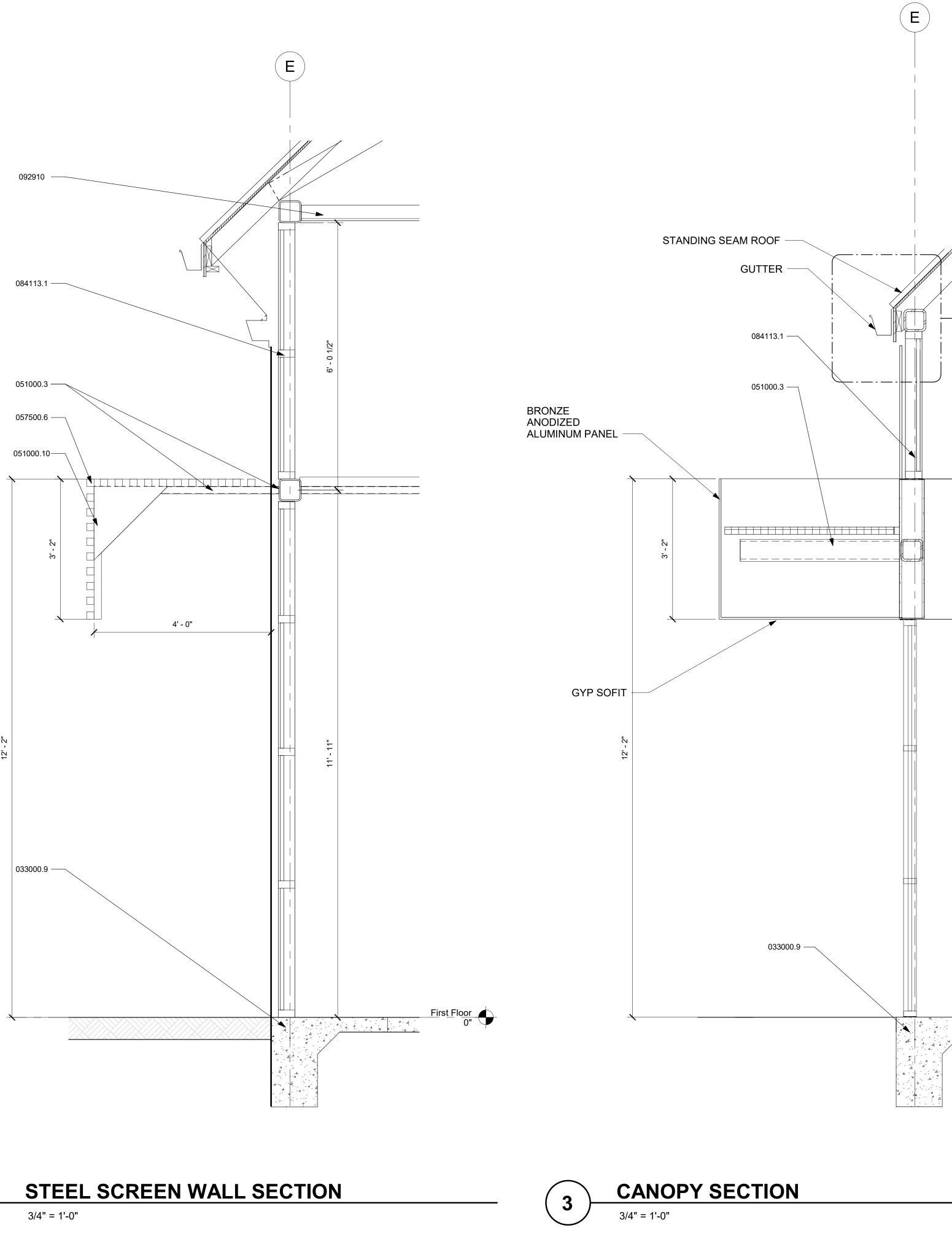
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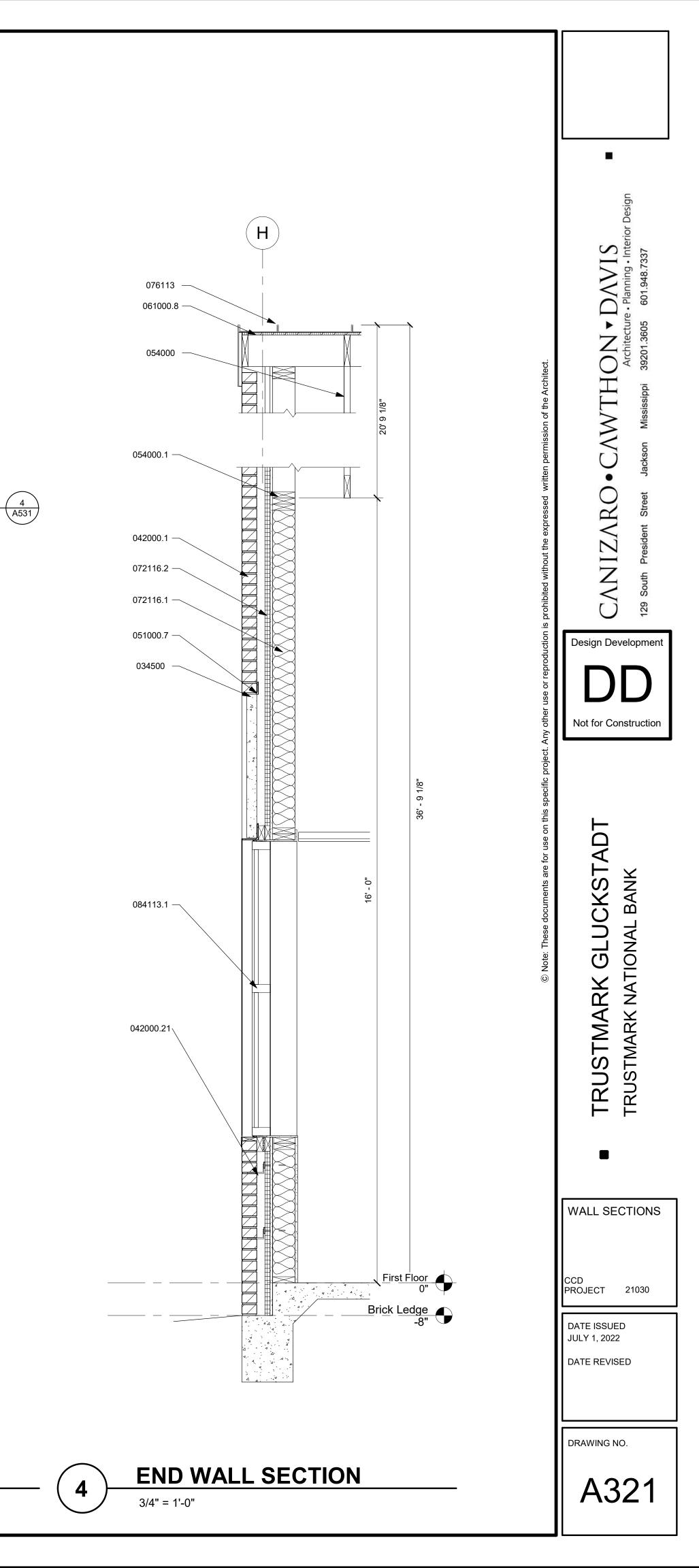
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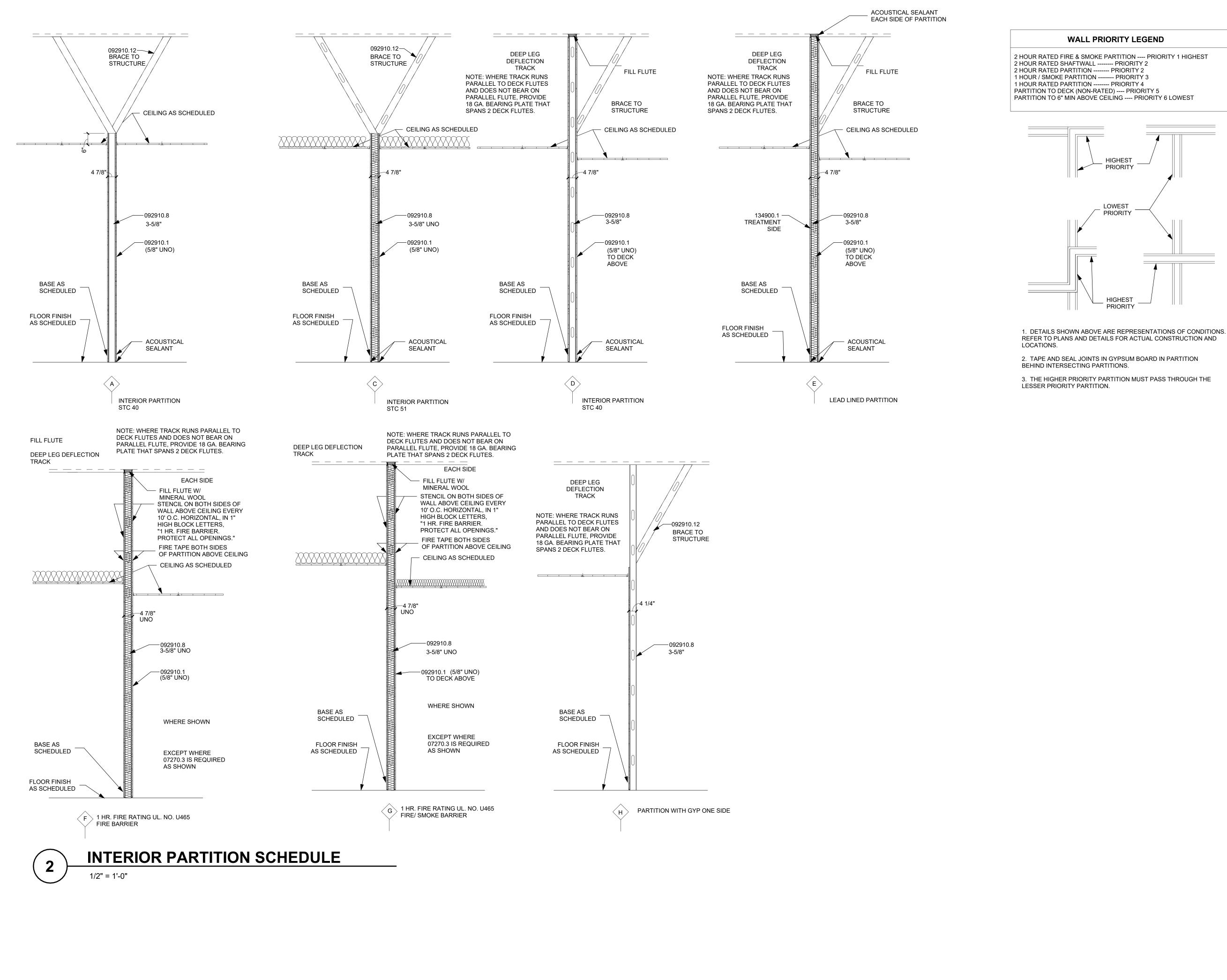




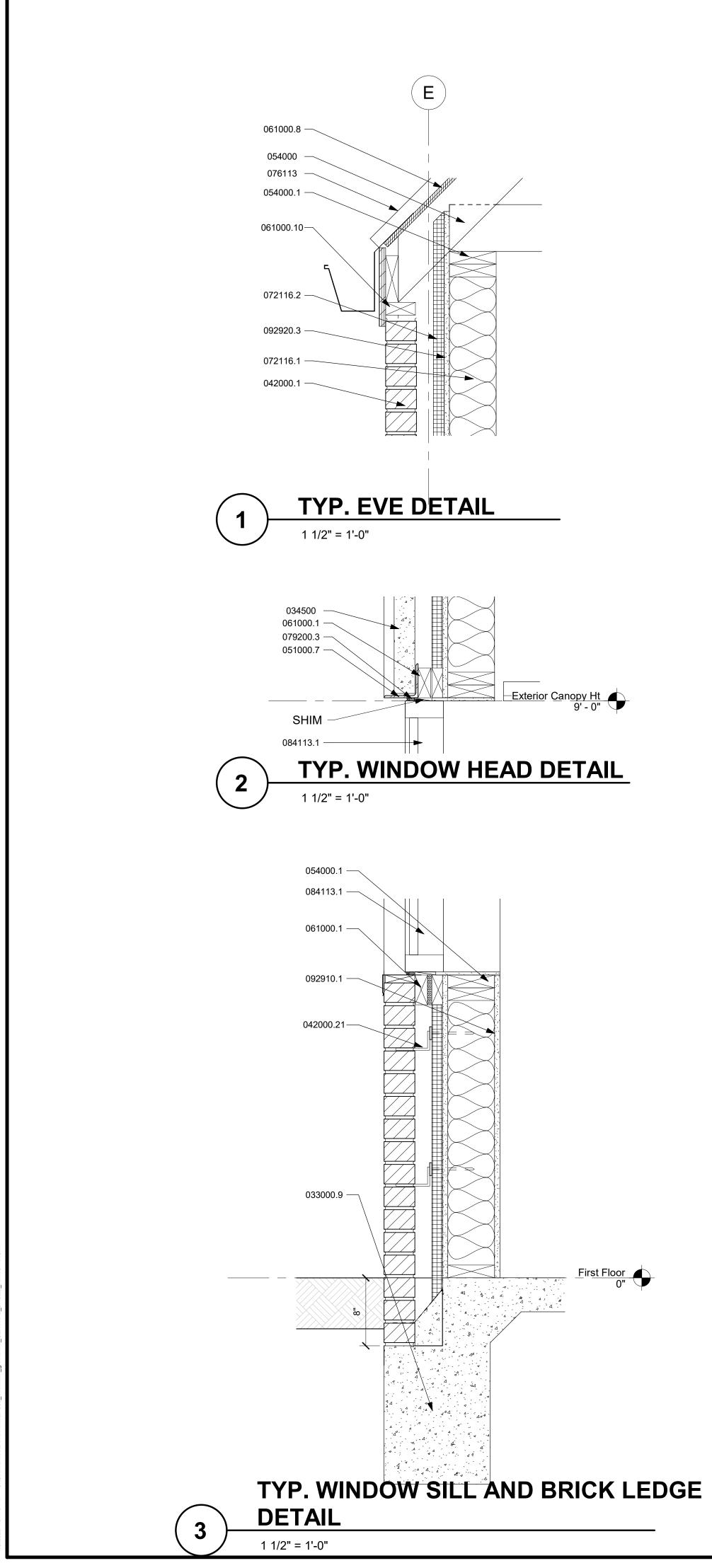




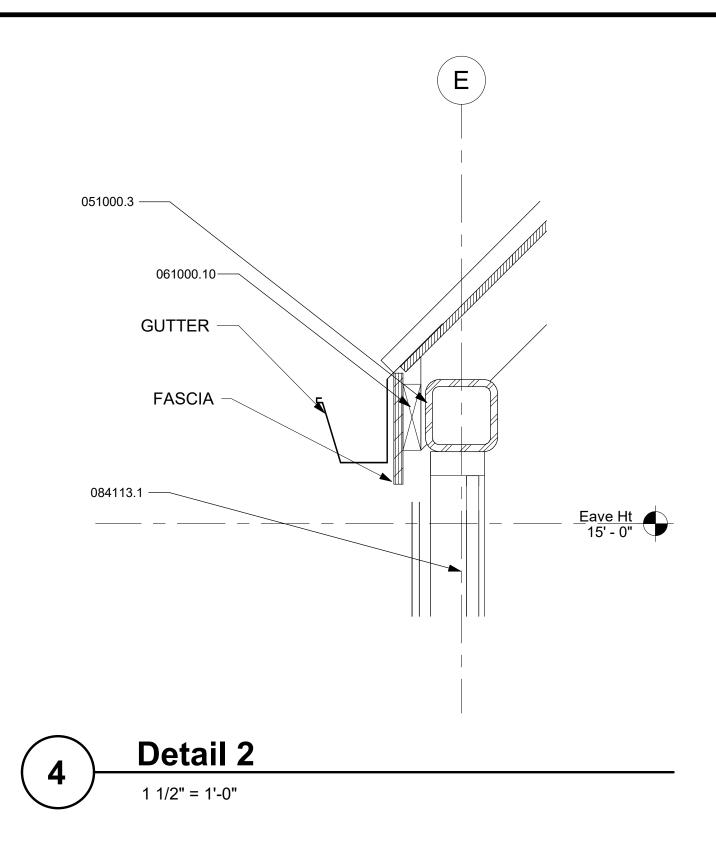




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Keynote Legend

033000.9	CONCRETE GRADE BEAM
034500	ARCHITECTURAL PRECAST CONCRETE
042000.1	FACE BRICK
042000.21	MASONRY VENEER ANCHORS
051000.3	STEEL TUBE
051000.7	STEEL ANGLE
054000	COLD-FORM METAL FRAMING
054000.1	COLD-FORM METAL STUD
061000.1	WOOD STUDS
061000.8	PLYWOOD DECKING
061000.10	WOOD BLOCKING
072116.1	BATT INSULATION
072116.2	RIGID INSULATION
076113	STANDING SEAM METAL ROOFING
079200.3	BACKER ROD & SEALANT
084113.1	ALUMINUM STOREFRONT SYSTEM
092910.1	GYPSUM BOARD
092920.3	GYPSUM BOARD EXT. SHEATHING

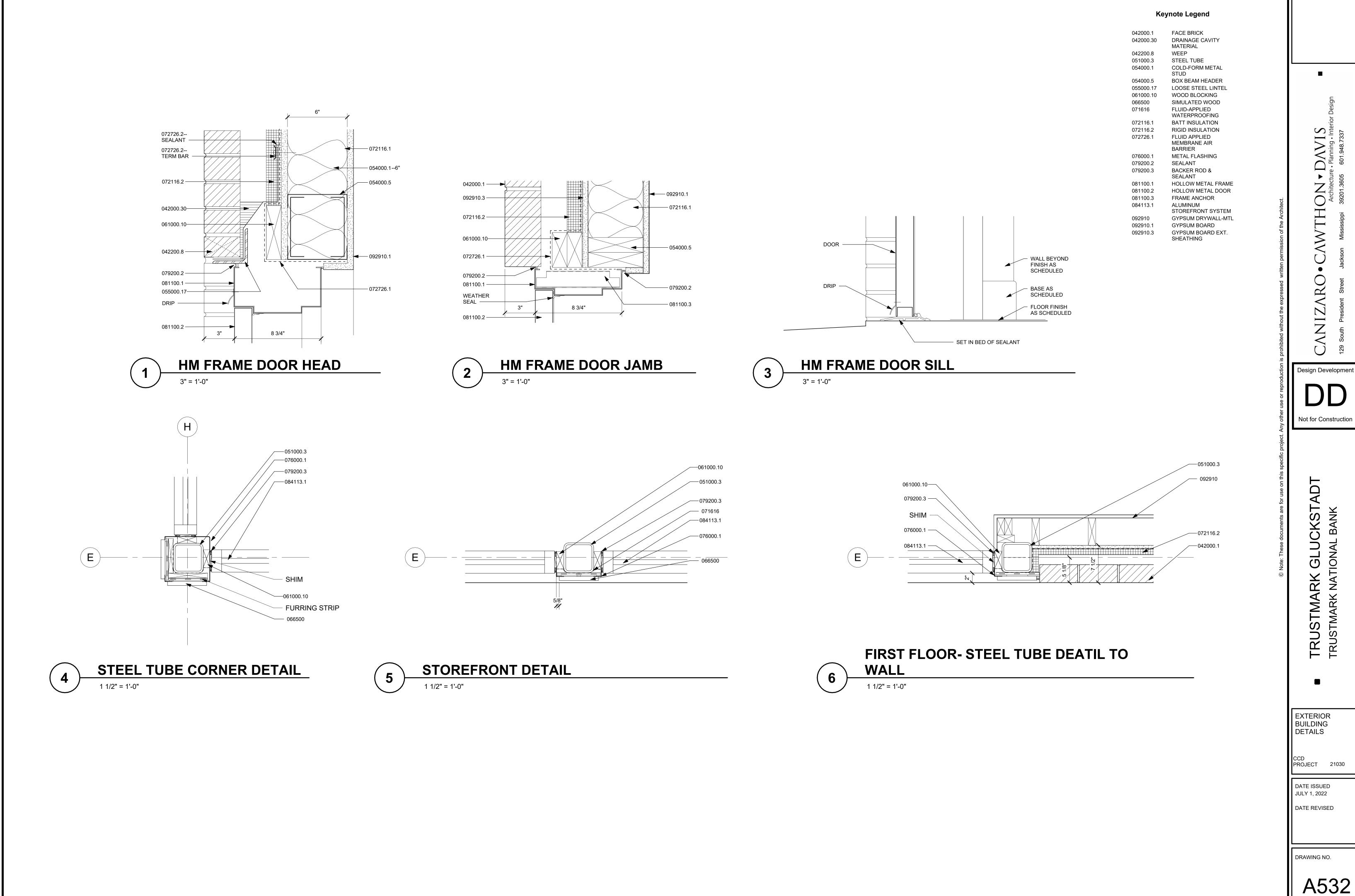
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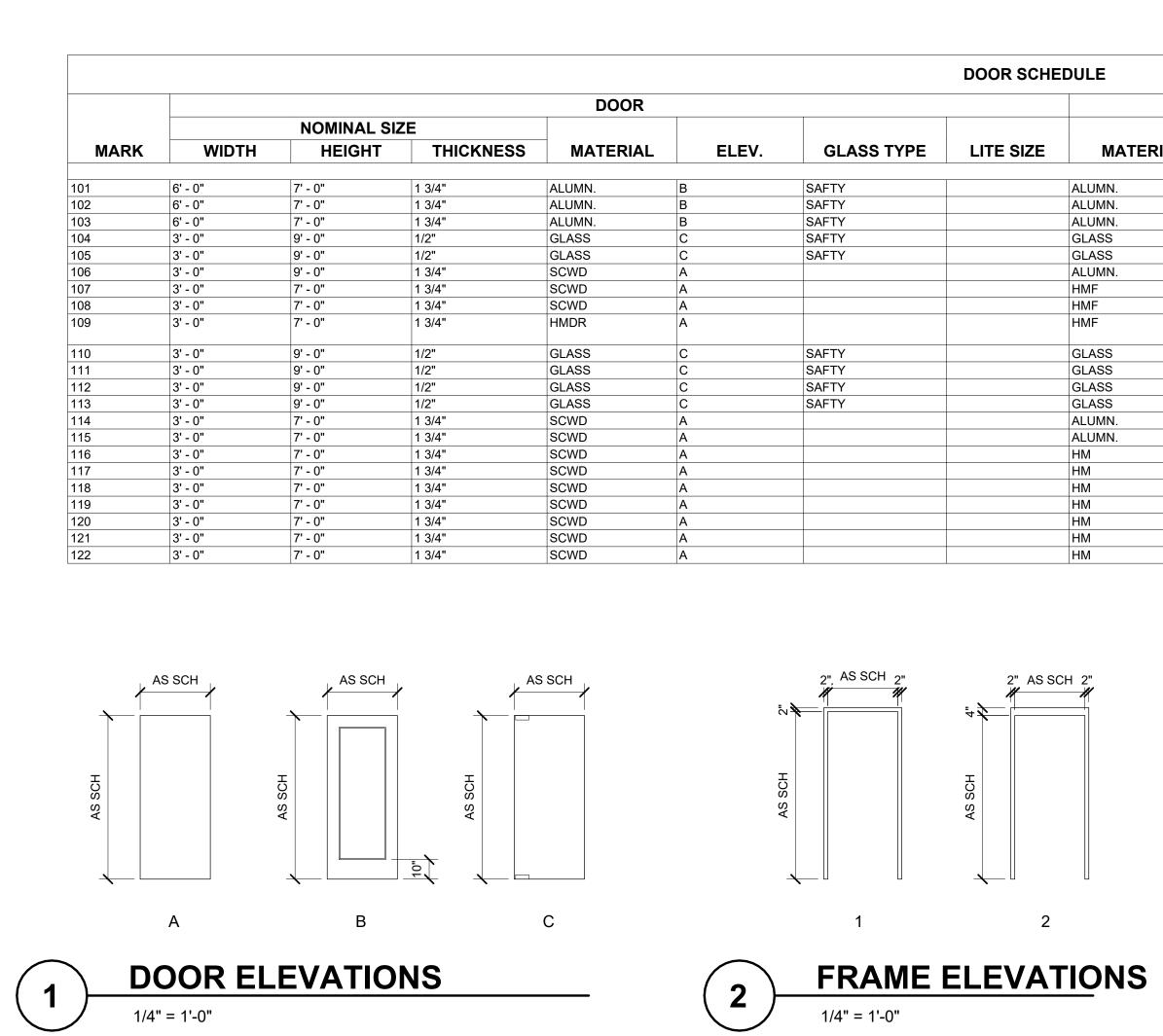
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			FRAME				
			DETAILS				
E SIZE	MATERIAL	MATERIAL ELEV	JAMB	HEAD	THRESHOLD	U.L. LABEL	REMARKS
	ALUMN.						ACCESS CONTROL
	ALUMN.						ACCESS CONTROL
	ALUMN.						ACCESS CONTROL
	GLASS						
	GLASS						
	ALUMN.						
	HMF	1					ACCESS CONTROL
	HMF	1					ACCESS CONTROL
	HMF	2					ACCESS CONTROL, DOOF SCOPE
	GLASS						
	GLASS						
	GLASS						
	GLASS						
	ALUMN.						
	ALUMN.						ACCESS CONTROL
	НМ	1					ACCESS CONTROL
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	HM	1					
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GENERAL NOTES				MASONRY	<u>(</u>		
1. THESE NOTES ARE NOT INTEN DIMENSIONS	IDED TO REPLACE THE PRI	OJECT SPECIFICATIONS.		FOR CONCRETE	MASONRY STRUCT	FURES, AND A	ONFORM TO ACI 530 CI 530.1/ASCE 6, SPE
TO BEGIN. ANY DISCREPANCY	SHALL BE IMMEDIATELY R	WN WITH ARCHITECTURAL DRAWIN REPORTED TO THE ARCHITECT AND		2. PROVIDE LIGHT C90, GRADE N, T	WEIGHT, HOLLOW YPE 1, UNLESS NO	, LOAD-BEARII TED OTHERW	
BEGIN UNTIL THE DISCREPANC 2. THE CONTRACTOR SHALL REF THE STRUCTURAL DRAWINGS.	ER TO THE ARCHITECTUR	AL DRAWINGS FOR ANY DIMENSION	S NOT SHOWN ON	4. PROVIDE TYPE " 5. PROVIDE GROUT	S" MORTAR IN ACC FOR REINFORCE	CORDANCE WI MASONRY IN	VE STRENGTH, f'm = ITH ASTM C270, UNLI ACCORDANCE WITH
DOCUMENTS AND	LIMITATIONS			,	500 PSI UNLESS N NG BOND WITH VE		VISE. S LOCATED AT THE
ARE INSTRUMENTS OF SERVIC 2. IT IS UNDERSTOOD THAT THE FINDINGS, DESIGNS, RECOMM	E TO BE USED FOR THIS P ENGINEER MAKES NO WAI ENDATIONS, SPECIFICATIC	RELATING TO THE STRUCTURAL PA ROJECT ONLY. RRANTY, EITHER EXPRESSED OR IM ONS OR PROFESSIONAL ADVICE EXC CCORDANCE WITH CURRENT GENER	IPLIED, AS TO THE EPT THAT THESE	7. REINFORCING S 8. THE FOLLOW LIN		ORM TO ASTM HALL BE USED	1 615, GRADE 60.):
PROFESSIONAL ENGINEERING 3. THE FOLLOWING ITMES ARE S		ROM THE STRUCTURAL PART OF T	HE PROJECT.		<u>SPAN</u>	BLOCK	
3.1 ARCHITECTURAL	_ ELEMENTS			8" WALLS	0' TO 4'-0" 4'-0" TO 9'-0" 0' TO 4'-0"	8" DEE 16" DEE 8" DEE	P 2 #6 BOT.
(B) AUXILI		WALLS. ANGLES, PIPES, BATTENS, ETC. OR A POSE TO SERVE AS SUPPORTING MI		12" WALLS	4'-0" TO 9'-0"	16" DEE	
(C) EXTER		ECONDARY WALL FRAMING AND RA	LINGS, NOT PART		<u>CONCRETE</u>		
(D) UNIT F		W WALL AND DOOR SYSTEMS.		<u>SPAN</u>	-	<u>EAM</u> V x D)	REINFORCIN
		S AND RELATED BRACING AND ATTA CREENS, MURALS, ETC. AND FINISHI		9'-0" TO 14'	-0" 7 5/8	3"x15 5/8"	2 #6 BOTTOM 2 #6 TOP
3.2 MECHANICAL AN	D ELECTRICAL ELEMENTS						#3 🗍 @ 8"
()		ELEMENTS SUCH AS TRANSFORMER CABLES, CABLE TRAYS, PANEL BOAF			<u>STEEL BI</u>	EAM LINT	<u>EL</u>
(B) SPECI		, WALL BRACKETS, STANDS, ELEVA , WHOSE ONLY PURPOSE IS TO ACC			8'-0" TO 12'-0" 12'-0" TO 16'-0"		W8X35 W16X36
AND E (C) HOUSI	LECTRICAL ELEMENTS.	ADS, ACOUSTIC SLABS AND FOUNDA		<u>STEEL I</u>	<u>LINTELS</u>		
WHERE ITEMS NOTED IN 3.1 A RESPONSIBILITY FOR THEIR	AND 3.2 ARE SHOWN ON S CORRECTNESS IS IMPLIED	TRUCTURAL DRAWINGS FOR GENER D. ACCORDINGLY, REFERENCE MUS	,		SHOWN OTHERW	USED.	
DETAILS OR SPECIFICATIONS	S OF APPROPRIATE CONSU	JLIANIS.					<u>EL REQUIRED</u> ACH 4" WIDTH
SOILS AND FOUR	NDATIONS				<u>DPENING</u>		OF MASONRY
1. THE FOUNDATION DESIGN	IS BASED UPON THE:			4'-1" - 6	5"-0"	L	4 x 3 1/2 x 3/8 (LLV)
REPORT OF	GEOTECHNICAL INVESTIG/	ATION		6-1-8	g-U [*]	[_ 5 x 3 1/2 x 3/8 (LLV)
		ALLOWABLE SOIL		1. STRUCTUF A. W AND V B. ANGLE, C. SQUARE D. ROUND 2. BOLTS FOI	NT SHAPES SH CHANNELS SH E HOLLOW TUB HOLLOW SECT R STEEL TO ST	- IALL CONFC ES SHALL (IONS SHAL EEL CONN	ORM TO ASTM AS ORM TO ASTM A3 CONFORM TO AS L CONFORM TO ECTIONS SHALL H AISC PUBLICA
2. FOUNDATION TYPE SPREAD FOOTINGS	<u>BI</u>	EARING PRESSURE		A490 BOLT	S."		AND CONFORM
							AL STEEL SHALL
	IDITIONS AS REQUIRED TO	OTECTION, SHORING, UNDERPINNIN PREVENT ANY DISTURBANCE TO E		5. SUBMIT CO	CING, LOCATIO		S TO ENGINEER JCTURAL MEMBE
CONCRETE				6. ALL WELD	ING SHALL BE I	PERFORME	D BY AWS CERT
		I COMPRESSIVE STENGTH IN 28 DAY	′S:				
DRILLED PIERS 30 2. REINFORCING SHALL COM 3. PROVIDE ALL NECESSARY 4. WHERE NOT SPECIFICALLY 5. PROVIDE CORNER BARS O "T"-INTERSECTIONS.	000 PSI FORM TO A.S.T.M. A-615, AI REINFORCING STEEL ACC Y COVERED, REINF. SHALL OF THE SAME SIZE AND NUM	ND SHALL BE GRADE 60 ESSORIES TO HOLD BARS IN PROPI BE DETAILED IN ACCORDANCE WIT MBER AS HORIZONTAL BARS AT ALL IN ACCORDANCE WITH THE FOLLO	H ACI STANDARD 315 CORNERS AND				
BAR SIZE	SLAB-ON-GRADE LAP LENGTH	RAISED SLABS, WALLS, ECT. LAP LENGTH					
#3	14"	22"			<u>_ DECK</u> :k floor shall b	E 9/16 INCH D	EPTH, 28 GAGE GAL
#4 #5	19" 24"	29" 36"		FASTENER L	AYOUT - 30/4 W/ 5/	8" WELDS, SIE	DE LAPS - (1) #10 TEK 2 GAGE INTERMEDIA
#6 #7	28" 41"	43" 63"		FASTENER L	AYOUT - 36/4 W/ 5/	8" WELDS, SIC	DE LAPS - (2) #10 TEK
#8	47"	72"					THE VERTICAL LEG X 4 X 1/4 AROUND AL
#9 #10	53" 59"	81" 89"			SUPPORTING MEN		
#10 #11	59 65"	89 98"					

7. FOR MISCELLANEOUS ANGLES, DETAILS, OUTSIDE CONCRETE WORK, ETC, SEE ARCHITECTURAL DRAWINGS.

<u>ONRY</u>

TE MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530/ASCE 5, BUILDING CODE REQUIRMENTS RETE MASONRY STRUCTURES, AND ACI 530.1/ASCE 6, SPECIFICATIONS FOR MASONRY STRUCTURES, DNAL CONCRETE MASORNY ASSOCIATION SPECIFICATIONS.

LIGHTWEIGHT, HOLLOW, LOAD-BEARING CONCRETE MASONRY UNITS (CMU) CONFORMING TO ASTM DE N, TYPE 1, UNLESS NOTED OTHERWISE.

MASONRY WITH MINIMUM COMPRESSIVE STRENGTH, f'm = 1,500 PSI.

TYPE "S" MORTAR IN ACCORDANCE WITH ASTM C270, UNLESS NOTED OTHERWISE.

GROUT FOR REINFORCE MASONRY IN ACCORDANCE WITH ASTM C476 WITH MINIMUM COMPRESSIVE 1 OF 2,500 PSI UNLESS NOTED OTHERWISE.

RUNNING BOND WITH VERTICAL JOINTS LOCATED AT THE CENTER OF MASONRY UNITS IN THE

CONCRETE BLOCK LINTELS

	<u>SPAN</u>	<u>BLOCK</u>	<u>REINFORCING</u>
WALLS	0' TO 4'-0"	8" DEEP	2 #5 BOT.
	4'-0" TO 9'-0"	16" DEEP	2 #6 BOT.
WALLS	0' TO 4'-0"	8" DEEP	2 #6 BOT.
	4'-0" TO 9'-0"	16" DEEP	2 #7 BOT.

CONCRETE BEAM LINTELS

<u>SPAN</u>	BEAM (W x D)	<u>REINFORCING</u>
-0" TO 14'-0"	7 5/8"x15 5/8"	2 #6 BOTTOM 2 #6 TOP #3 🗍 @ 8"

STEEL BEAM LINTEL

8'-0" TO 12'-0"	W8X35
12'-0" TO 16'-0"	W16X36

EEL LINTELS

	TEL REQUIRED FOR EACH 4" WIDTH
<u>EAR OPENING</u>	OF MASONRY
0' - 4'-0" 4'-1" - 6"-0"	

RUCTURAL STEEL

AND WT SHAPES SHALL CONFORM TO ASTM A992 (GRADE 50).

GLE, CHANNELS SHALL CONFORM TO ASTM A36.

UARE HOLLOW TUBES SHALL CONFORM TO ASTM A500, GRADE B. OUND HOLLOW SECTIONS SHALL CONFORM TO ASTM A501 OR ASTM A53.

TS FOR STEEL TO STEEL CONNECTIONS SHALL CONFORM TO A.S.T.M. SPECIFICATION A-325 AND SHALL ISTALLED IN ACCORDANCE WITH AISC PUBLICATION "STRUCTURAL JOINST USING A.S.T.M. A325 OR BOLTS."

HOR BOLTS SHALL BE HEADED AND CONFORM TO ASTM A307. CONNECTIONS FOR STRUCTURAL STEEL SHALL BE SUFFICIENT TO FULLY DEVELOP THE CONNECTED BERS.

MIT COMPLETE SHOP DRAWINGS TO ENGINEER FOR APPROVAL. DRAWINGS SHALL INDICATE PROFILE, , SPACING, LOCATION OF STRUCTURAL MEMBERS, CONNECTIONS, ATTACHMENTS, FASTENERS, CAMBERS VELDS.

WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.

<u>IETAL DECK</u>

OR DECK FLOOR SHALL BE 9/16 INCH DEPTH, 28 GAGE GALVANIZED,3 SPAN MINIMUM. ENER LAYOUT - 30/4 W/ 5/8" WELDS, SIDE LAPS - (1) #10 TEK SCREW PER SPAN F DECK SHALL BE 1 1/2 INCH DEPTH, 22 GAGE INTERMEDIATE TYPE GALVANIZED, 3 SPAN MINIMUM. NER LAYOUT - 36/4 W/ 5/8" WELDS, SIDE LAPS - (2) #10 TEK SCREWS PER SPAN EDGE OF DECK SHOULD BE 1/2" FROM THE VERTICAL LEG OF THE EDGE ANGLE, U.N.O. ESS SHOWN OTHERWISE, PROVIDE L4 X 4 X 1/4 AROUND ALL OPENINGS THROUGH METAL DECK. WELD LES TO SUPPORTING MEMBERS.

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GENERAL STRUCTRAL NOTES
CCD PROJECT 21030
DATE ISSUED 06/27/22 DATE REVISED
drawing no.

SE# 21064

P.O. BOX 4328 JACKSON, MS 39216

601) 982-7766



SOILS	FREQUENCY	REFERENCED STANDARD	SPECIAL I
. VERIFY MATERIALS BELOW FOOTING ARE ADEQUATE TO ACHIEVE	PERIODIC	GEOTECHNICAL ENGINEERING	MASONRY
THE DESIGN BEARING CAPACITY. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIALS.	ING CAPACITY. ONS ARE EXTENDED TO PROPER DEPTH AND HAVE PERIODIC		1. AS MAS VERIFIE A. F
. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	PERIODIC		B. C C. L
. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	CONTINUOUS		2. THE INS A. S
. PRIOR TO PLACEMENT AND COMPACTION OF CONTROLLED FILL. AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC		B. T
CONCRETE (NOT APPLICABLE TO ISOLATED SPREAD FOOTING			 CS
OR NON-STRUCTURAL SLABS ON GROUND) INSPECTIONS OF REINFORCING STEEL, INCLUDING PRESTRESSED TENDONS, AND PLACEMENT.	PERIODIC	ACI 318: 3.5, 7.1-7.7	E. F
. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING	CONTINUOUS	1.1-1.1	3. PRIOR T COMPLI
PLACEMENT OF CONCRETE. INSPECT EPOXY SET ANCHORS AND EXPANSION ANCHORS INSTALLED IN HARDENED CONCRETE.	CONTINUOUS	PRODUCT ICBO REPORT	A. G B. P
. VERIFYING USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318:	P
. SAMPLING FRESH CONCRETE AND PERFORMING SLUMP, AIR CONTENT AND DETERMINING THE TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH	CONTINUOUS	CH. 4, 5.2, 5.8 ASTM C 172 ASTM C 31 ACI 318:	C. P G D. C 4. GROUT
TESTS INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR	CONTINUOUS	5.6, 5.8 ACI 318:	
PROPER APPLICATION TECHNIQUES INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMERATURE	PERIODIC	CH. 5.9, 5.10 ACI 318:	 PREPAR SPECIMI
AND TECHNIQUES. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST TENSIONED CONCRETE AND PRIOR TO REMOVAL	PERIODIC	5.11-5.13 ACI 318: 6.2	6. COMPLI/ CONSTR BE VERI
OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE	PERIODIC	ACI 318: 6.1.1	
CONCRETE MEMBER BEING FORMED.			
SPECIAL INSPECTION STEEL CONSTRUCTION	FREQUENCY	REFERENCED STANDARD	
I. MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS AND WASHERS: A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	PERIODIC	APPLICABLE ASTM MATERIAL SPECIFICATIONS AISC ASD. SECTION A3.4 AISC LRFD. SECTION A3.3	<u>S</u>
2. INSPECTION OF HIGH-STRENGTH BOLTING:			1. T IN 2. T
A. BEARING-TYPE CONNECTION	PERIODIC	AISC LRFD ASTM A 568	T R
B. SLIP-CRITICAL CONNECTION	CONTINUOUS		C 3. D
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		ASTM A 6 OR ASTM A 568	
B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS REQUIRED.			
 MATERIAL VERIFICATION OF WELD FILLER MATERIALS: A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. 		AISC. ASD. SECTION A3.6 AISC LRFD.	
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		SECTION A3.5	4. W A
5. INSPECTION OF WELDING: A. STRUCTURAL STEEL			
1.)COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. 2.)MULTI-PASS FILLET WELDS.	CONTINUOUS CONTINUOUS		
3.)SINGLE-PASS FILLET WELDS GREATER THAN 5/16" (7.9mm) 4.)SINGLE-PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16"	CONTINUOUS	AWS D1.1	
(7.9mm) 5.)FLOOR AND DECK WELDS	PERIODIC	AWS D1.3	
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.	PERIODIC		
A. DETAILS SUCH AS BRACING AND STIFFENING B. MEMBER LOCATIONS	_		
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION INSPECTION OF FABRICATORS			
 WHEN SPECIAL INSPECTIONS ARE REQUIRED BY BUILDING OFFICIAL A. FABRICATION AND IMPLEMENTATION PROCEDURES: THE SPECIAL INSPECTION FOR THE FABRICATOR MAINAINS DETAILED FABRICATION AND CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION, CONWORKMANSHIP, AND THE FABRICATOR'S ABILITY TO CONFORM TO APPEC ONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK 	QUALITY TROL OF THE ROVED CIAL INSPECTOR		

SPECIAL INSPECTION	FREQUENCY	IBC SECTION	ACI 530/ASCE 5/TMS 402	ACI 530.1/ASCE 6/TMS 602
MASONRY CONSTRUCTION				
AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:				
A. PROPORTIONS OF SITE-PREPARED MORTAR.	PERIODIC			ART. 2.6A
B. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC			ART. 3.3B
C. LOCATION OF REINFORCEMENT AND CONNECTORS. 2. THE INSPECTION PROGRAM SHALL VERIFY;	PERIODIC			ART. 3.4. 3.6A
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	PERIODIC			ART. 3.3G
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	PERIODIC		SEC. 1.2.2(e), 2.1.4, 3.1.6	
C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT.	PERIODIC		SEC. 1.12	ART. 2.4, 3.4
 E. PROTECTION OF MASONRY DURING COLD WEATHER (TEMP. BELOW 40 DEG. F) OR HOT WEATHER (TEMP. ABOVE 90 DEG. F). 	PERIODIC	SEC. 2104.3, 2104.4		ART. 1.8C, 1.8D
3. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE.				
A. GROUT SPACE IS CLEAN.	PERIODIC			ART. 3.2D
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS AND PRESTRESSING GROUT FOR BONDED TENDONS.	PERIODIC		SEC. 1.12	ART. 3.4
C. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	PERIODIC			ART. 2.6B
D. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC			ART. 3.3B
I. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS	CONTINUOUS			ART. 3.5
5. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	CONTINUOUS	SEC. 2102.2.2, 2105.3		ART. 1.4
COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	PERIODIC			ART. 1.5

SPECIAL INSPECTIONS PER THE 2012 IBC

1. THE CONTRACTOR WILL EMPLOY THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR THE ITEMS IN THE SPECIAL INSPECTION TABLE BELOW. 2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE REGESTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

3. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

- A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE OR WAIVE THE REQUIREMENTS OF THE DOCUMENTS.
- B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OF RECORD, AND THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN IF UNCORRECTED, SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER, THE BUILDING OFFICIAL, AND THE ENGINEER OF RECORD UNTIL ALL CORRECTIONS HAVE BEEN COMPLETED.
- C. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

4. WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF SPECIFIED QUALITY ASSURANCE TESTING, DUPLICATE INSPECTIONS SHALL BE REQUIRED.

BUILDING CODE

2012 INTERNATIONAL BUILDING CODE

DESIGN CODES

AISC	"MANUAL OF STEEL CONSTRUCTION" THIRTEENTH EDITION
STEEL JOIST INSTITUTE	STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOIST AND JOIST GIRDERS
ACI 318	BUILDING REQUIREMENT FOR REINFORCED CONCRETE

DESIGN INFORMATION

FIRST FLOOR LIVE LOAD	
SECOND FLOOR LIVE LOAD	/5 PSF
ROOF LIVE LOAD	20 PSF
STAIR	100 PSF
PARTITION DEAD LOAD	15 PSF

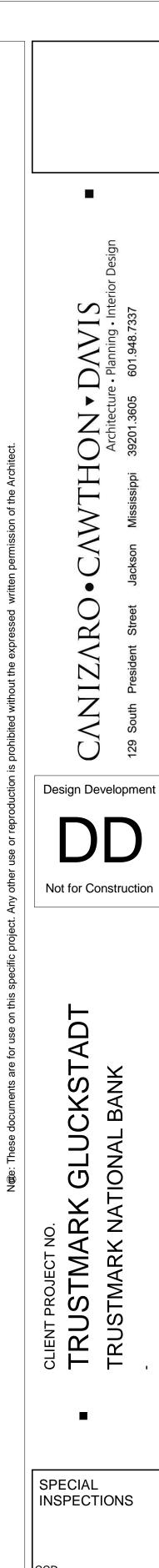
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l _F 1.0
S _S 372
S _I 139
SITE CLASSD
S _{DS} 373
S _{DI} 213
SEISMIC DESIGN CATEGORY ???
RESISTING SYSTEM ORDINARY MOMENT FRAME
BASE SHEAR 53.2 kips
C _S 124
R 3
ANALYSIS E.L.F.

WIND LOAD

BASIC WIND VELOCITY 90 MPH I _W 1.0
EXPOSURE C
INTERNAL PRESSURE ±.18
COMPONENT AND CLADDING SEE TABLE BELOW

COMPONENT AND CLADDING			
	ZONE	EFFECTIVE WIND AREA (SF)	PRESSURE (PSF) (POS. AND NEG.)
		10	21.2
	\bigcirc	20	20.0
		50	18.6
		100	17.6
ш		10	24.7
ROOF	2	20	23.6
		50	22.2
		100	21.2
		10	24.7
	3	20	23.6
		50	22.2
		100	21.2
		10	22.9
	4	20	21.9
		50	20.7
		100	19.7
WALL		500	17.6
Š		10	28.3
	5	20	26.4
		50	23.9
		100	21.9
		500	17.5



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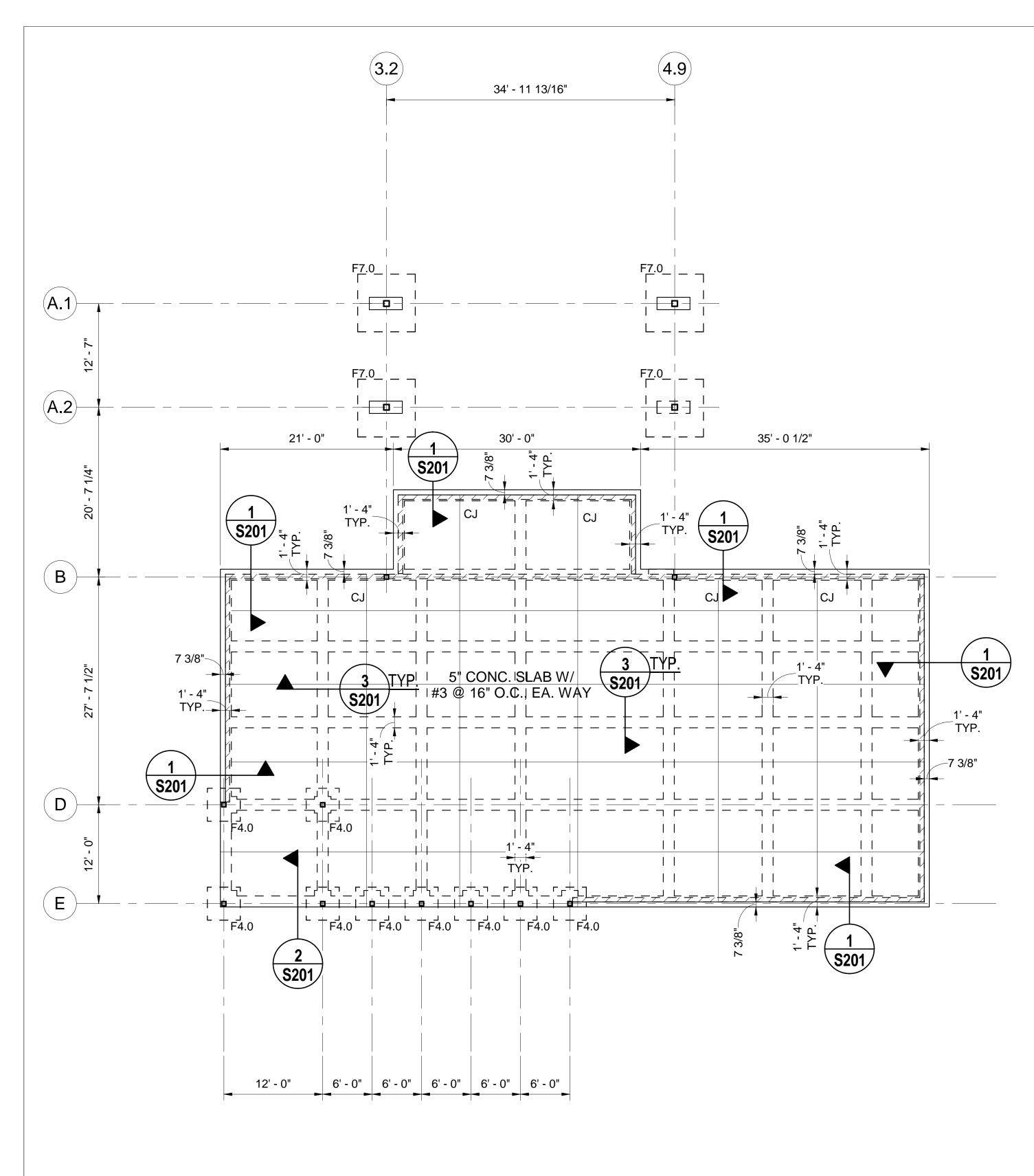
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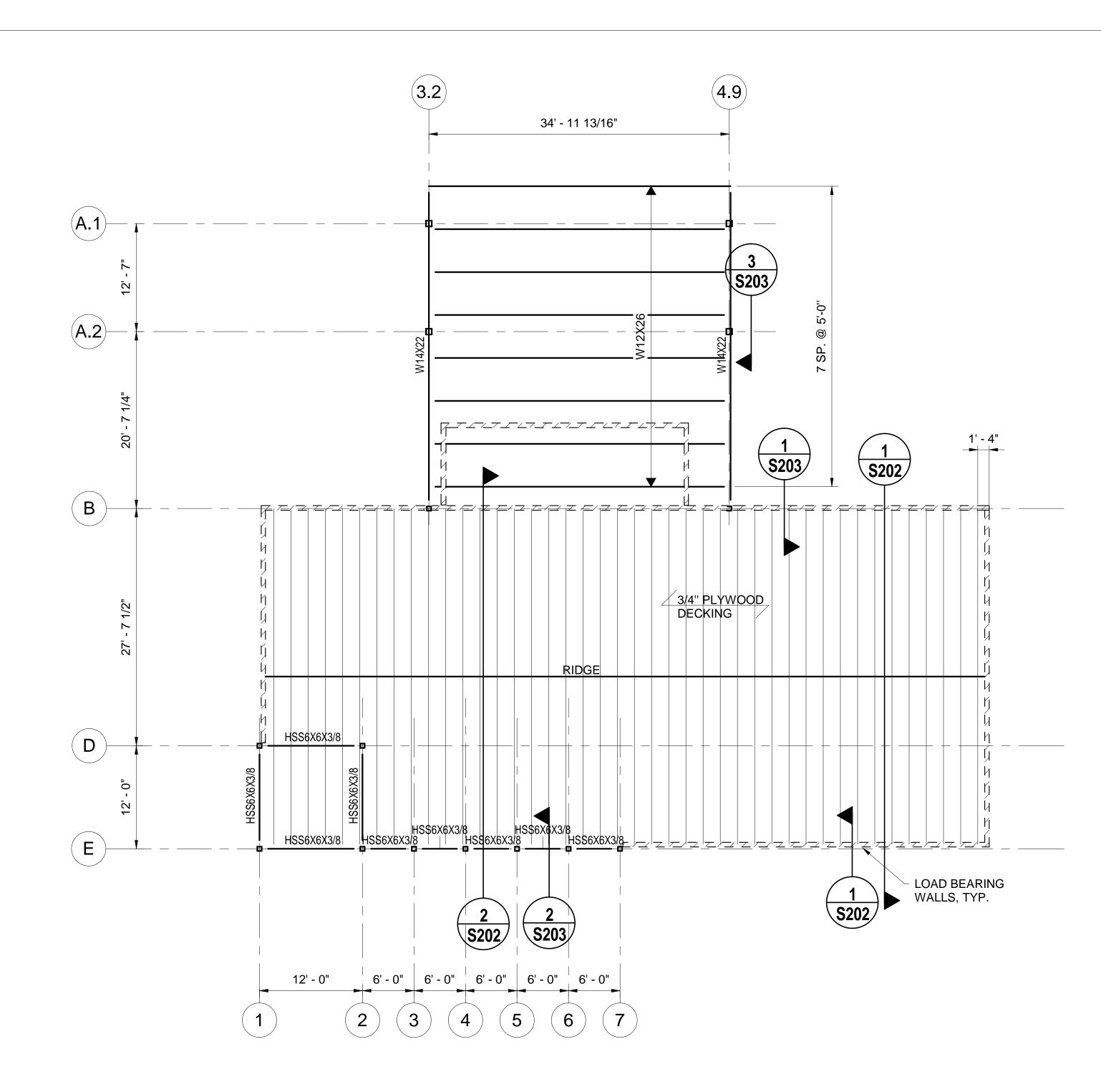


FOUNDATION AND FLOOR FRAMING PLAN 1/8" = 1'-0"

L]	
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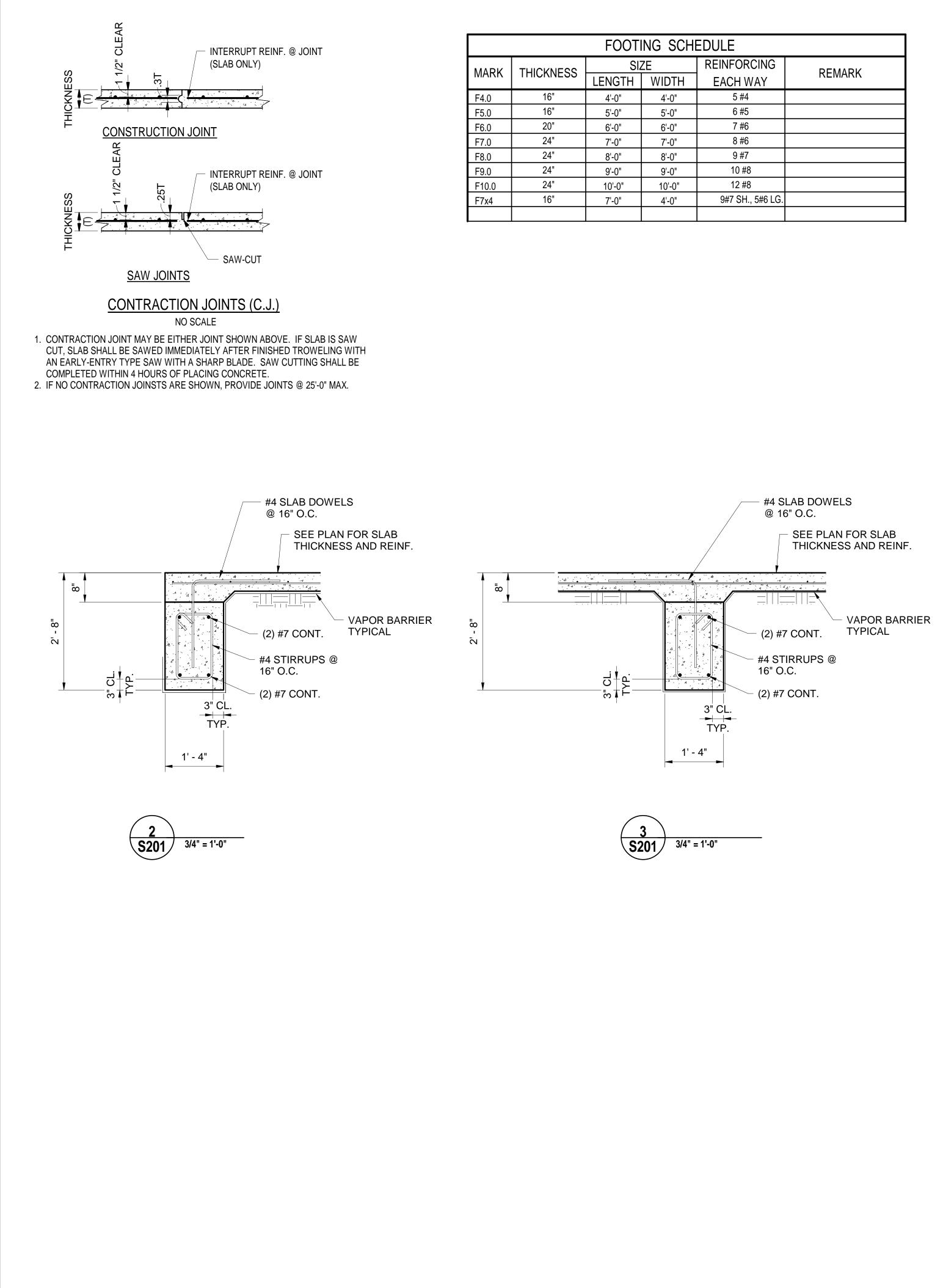


ROOF FRAMING PLAN 1/8" = 1'-0"

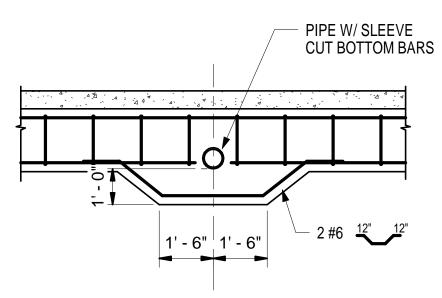
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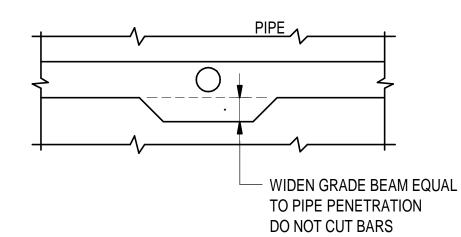




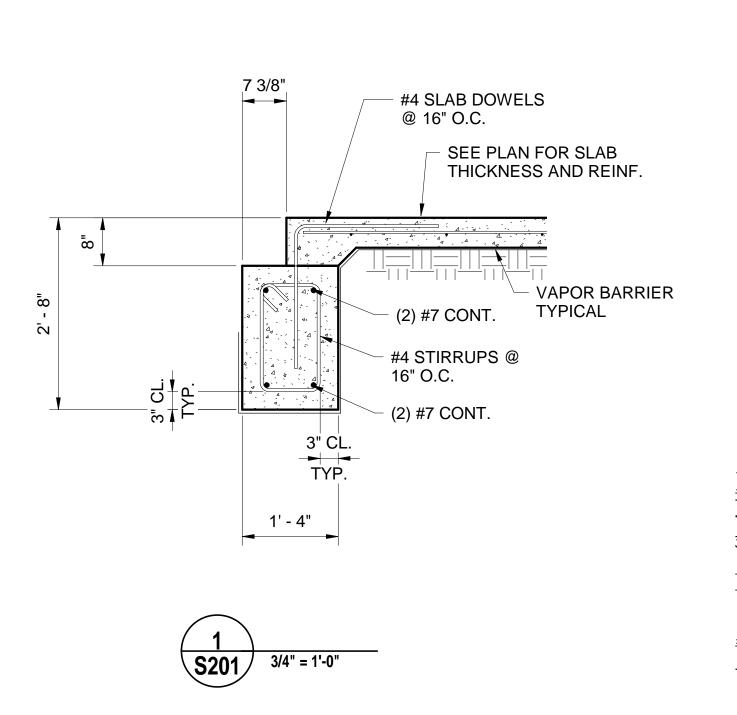
NG SCHI	EDULE	
ZE	REINFORCING	REMARK
WIDTH	EACH WAY	KEIVIARN
4'-0"	5 #4	
5'-0"	6 #5	
6'-0"	7 #6	
7'-0"	8 #6	
8'-0"	9 #7	
9'-0"	10 #8	
10'-0"	12 #8	
4'-0"	9#7 SH., 5#6 LG.	



TYPICAL DETAIL AT PIPE PENETRATION THRU GRADE BEAM



VERTICAL PENETRATION THRU INTERIOR GRADE BEAM



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FOUNDATION DETAILS

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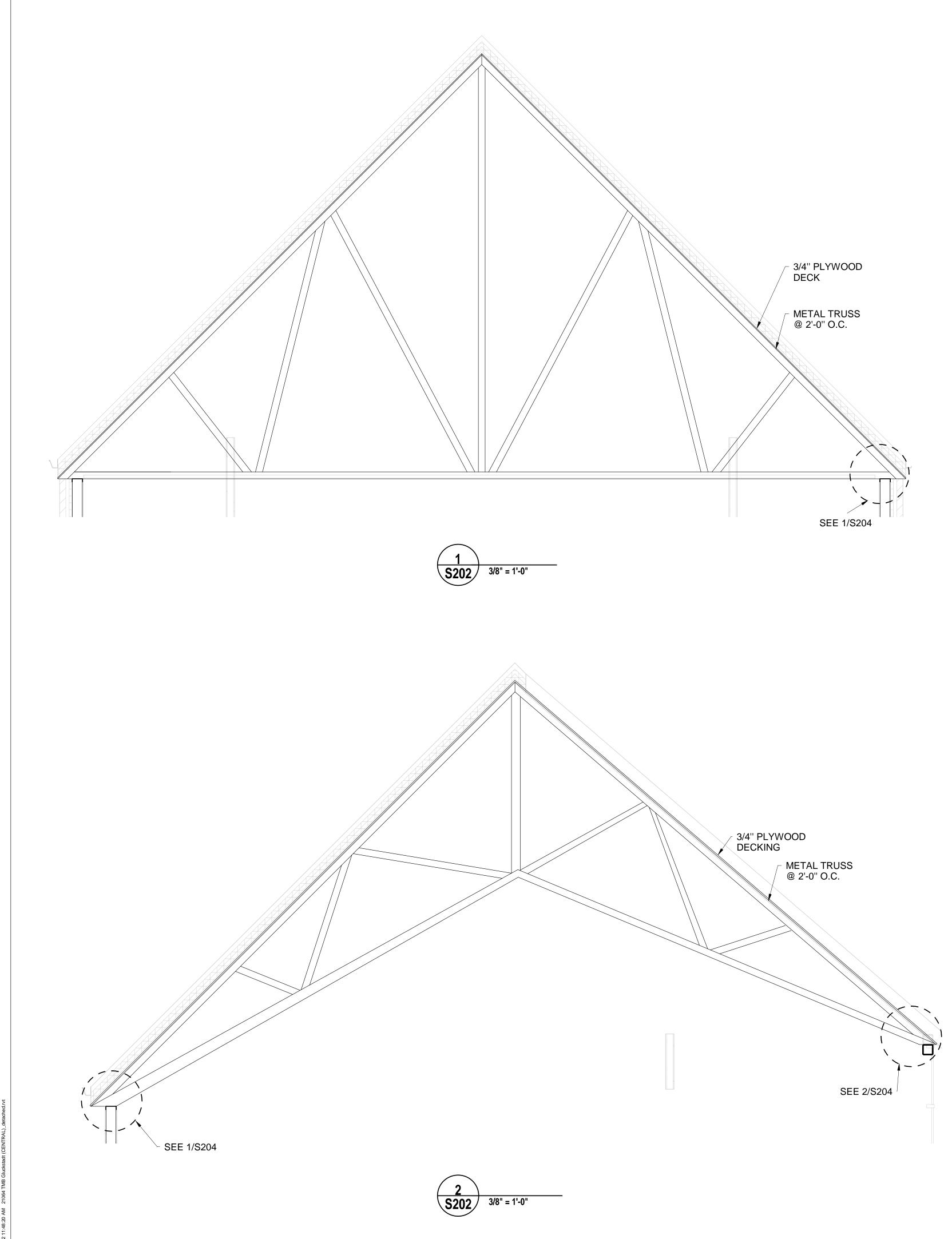
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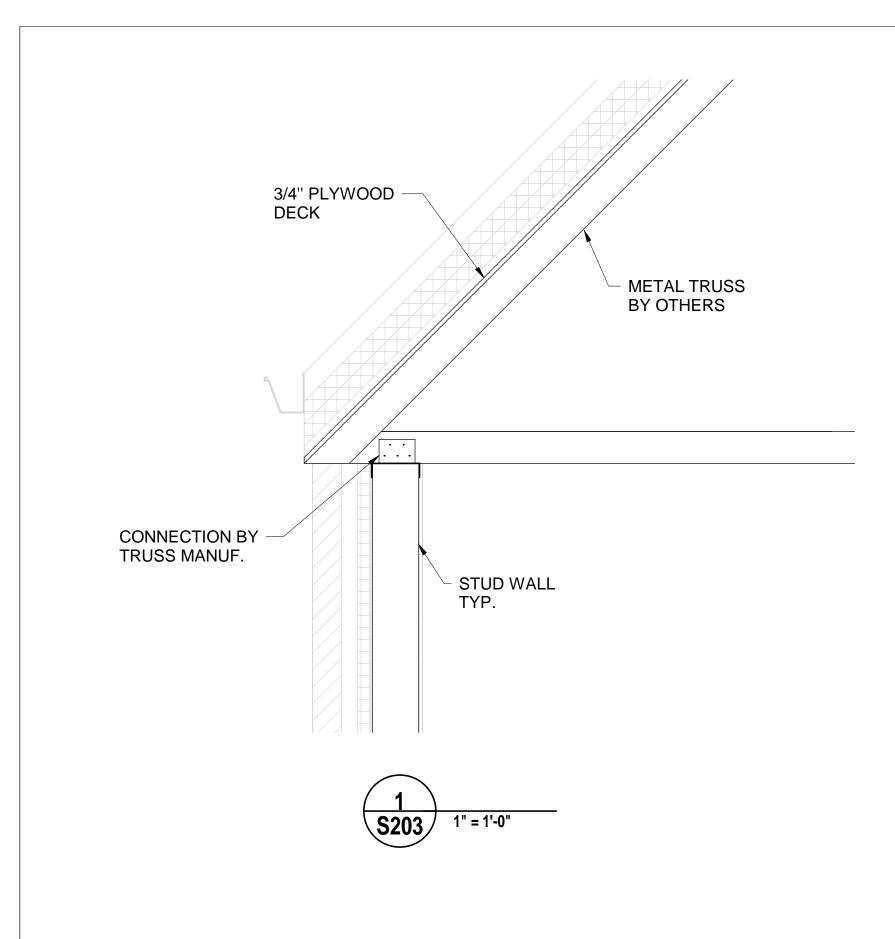
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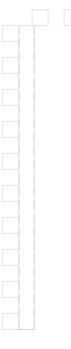
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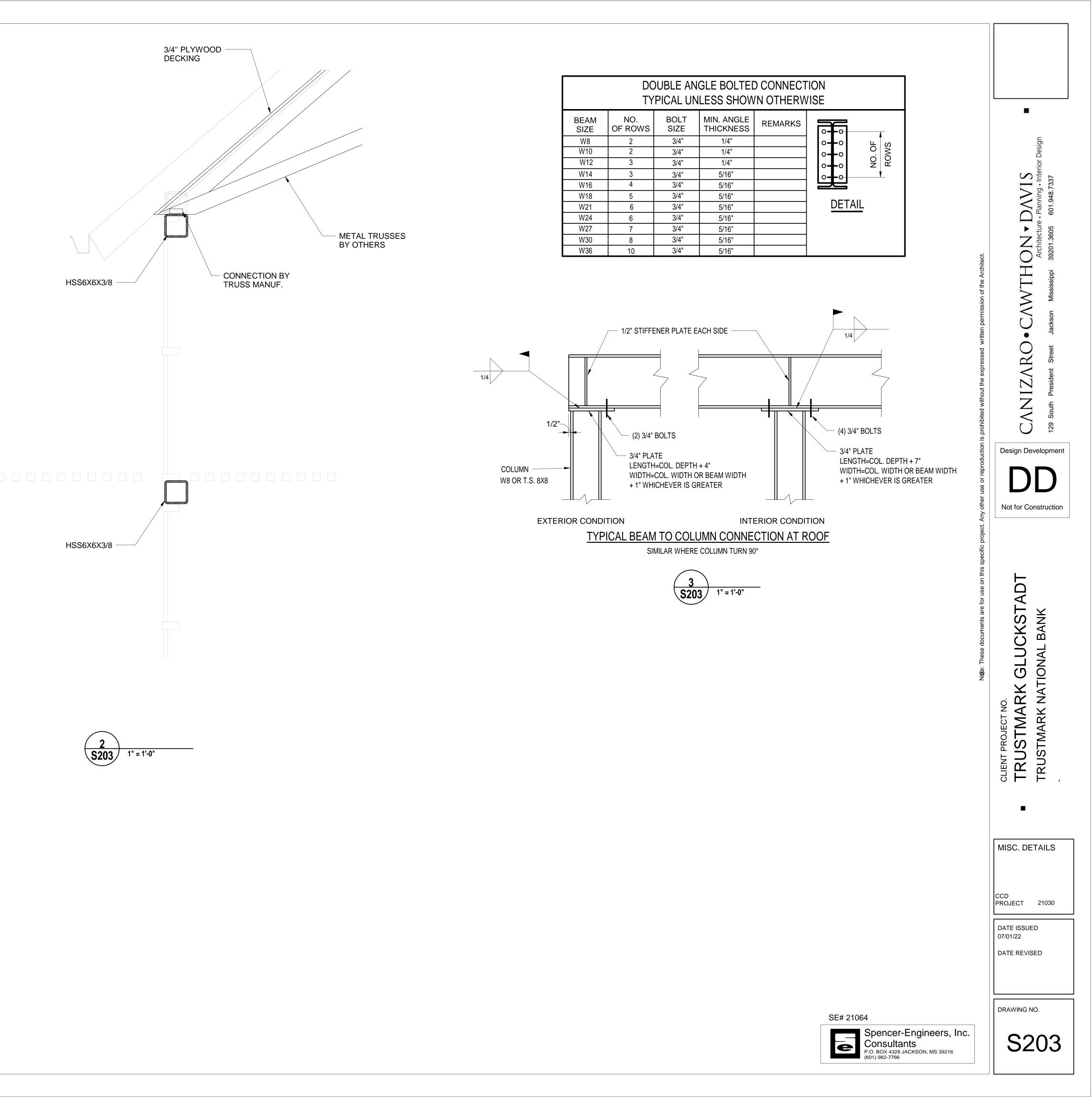
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PLUMBING ABBREVIATIONS

ABBREVIATION/DEFINITION			ABBREVIATION/DEFINITION			
A/C	ABOVE CEILING	FLR	FLOOR			
AD	AREA DRAIN	G	LOW PRESSURE GAS			
AFF	ABOVE FINISHED FLOOR	GEN	GENERAL			
AFG	ABOVE FINISHED GRADE	НВ	HOSE BIBB			
AV	ACID VENT	HD	HUB DRAIN			
AW	ACID WASTE	HPG	HIGH PRESSURE GAS			
B/F	BELOW FLOOR	HWR	HOT WATER RETURN			
B/G	BELOW GRADE	HW	HOT WATER			
BLDG	BUILDING	ID	INDIRECT WASTE			
СВ	CATCH BASIN	INV	INVERT			
CI	CAST IRON	LOC	LOCATION			
CL	CENTER LINE	MPG	MEDIUM PRESSURE GAS			
CO	CLEANOUT	NIC	NOT IN CONTRACT			
CONT	CONTINUATION	OSD	OPEN SITE DRAIN			
CONTR	CONTRACTOR	PLBG	PLUMBING			
CW	COLD WATER	PRV	PRESSURE REDUCING VALVE			
D	DRAIN	PVC	POLYVINYL CHLORIDE			
DN	DOWN	RD	ROOF DRAIN			
DTL	DETAIL	SAN	SANITARY			
DWGS	DRAWINGS	SD	STORM DRAIN			
DWR	CHILLED DRINKING WATER RETURN	SP	SPRINKLER			
DWS	CHILLED DRINKING WATER SUPPLY	STR	STRAINER			
EL	ELEVATION	SA	SERVICE AIR			
EWC	ELEC. WATER COOLER	TSW	TAMPER SWITCH			
F	FIRE LINE	V	VENT			
FCO	FLOOR CLEANOUT	VTR	VENT THROUGH ROOF			
FC	FLEXIBLE CONNECTION	W	WASTE			
FD	FLOOR DRAIN	W/	WITH			
FFE	FINISHED FLOOR ELEVATION	WCO	WALL CLEANOUT			
FGCO	FINISHED GRADE CLEANOUT	WH	WALL HYDRANT			
	NOTE: THESE ARE STANDARD ABBREVIATIONS, AL APPEAR ON DRAWINGS.	ABBREVIA	TIONS SHOWN ABOVE MAY NOT			

PLUMBING GENERAL NOTES:

- 1. COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC, PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
- 2. COORDINATE ALL FLOOR PENETRATIONS WITH EXISTING STRUCTURE. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
- 3. RUN WATER, WASTED & VENT PIPING CONCEALED ABOVE CEILINGS UNLESS NOTED OTHERWISE ON DRAWINGS.
- 4. ALL PIPING SHALL BE SLOPED IN ACCORDANCE WITH INTERNATIONAL PLUMBING CODE.
- 5. FLUSH VALVE HANDLE ON ALL ADA ACCESSIBLE WATER CLOSETS SHALL BE LOCATED ON WIDE SIDE OF STALL.
- 6. COORDINATE UNDERGROUND PIPING WITH GRADE BEAMS AND WALL FOOTINGS.
- 7. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES. EXACT LOCATION OF ALL FIXTURES MUST BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION. FINAL LOCATION SHALL BE AS DIRECTED BY ARCHITECT.
- 8. DO NOT RUN PLUMBING PIPING THROUGH ELECTRICAL ROOMS OR DIRECTLY ABOVE ELECTRICAL PANELS.
- 9. INSTALL WATER HAMMER ARRESTORS (PDI'S) ON DOMESTIC COLD & HOT WATER LINES AT EACH FIXTURE OR BATTERY OF FIXTURES AS INDICATED ON THE DRAWINGS & IN ACCORDANCE WITH THE STANDARD PLUMBING CODE. ARRESTORS SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION. PROVIDE 14x14" ACCESS DOOR AT ALL ARRESTORS, ACCESS DOORS TO BE LOCATED SO THAT ARRESTORS ARE EASILY ACCESSIBLE FOR MAINTENANCE. ACCESS DOORS SHALL BE 16 GA. STEEL PRIMED AND PAINTED, CONCEALED HINGED ON ONE SIDE WITH KEYED CAM LOCK, COLOR AS SELECTED BY ARCHITECT.

PLUMBING INDEX OF DRAWINGS								
Sheet Number	DESCRIPTION							
P001	PLUMBING COVER							
P201	FIRST FLOOR PLAN - PLUMBING							
P301	PLUMBING SCHEDULE, DETAIL & RISERS							

DRAWN BY

PLUMBING LEGEND

	WASTE (SOIL PIPE)
□□GW□□	GREASE WASTE
SD	STORM DRAIN
ESD	EMERGENCY STORM DRAIN
	VENT
□:=:⊐	DOM. COLD WATER
	DOM. HOT WATER (110F)
□140=::□	DOM. HOT WATER (140F)
	DOM. HOT WATER RETURN
G	NATURAL GAS
C:0[]	TRAP
\bigcirc	RISER DOWN
\bigcirc	RISER UP
ĺ≖į	BALANCING VALVE
	CHECK VALVE
щ	SHUT-OFF VALVE
Ē	SHUT-OFF VALVE
	BUTTERFLY VALVE
Ţ	FLOW SWITCH
	FLOOR CLEANOUT
	FLOOR DRAIN
	WALL HYDRANT
۰©	PRESSURE GUAGE
	BACKFLOW PREVENTER W/ STRAINER
	PDI
Constant of the second second	ROOF DRAIN
₿	SIAMESE FIRE CONNECTION
	HALF GRATE FLOOR SINK

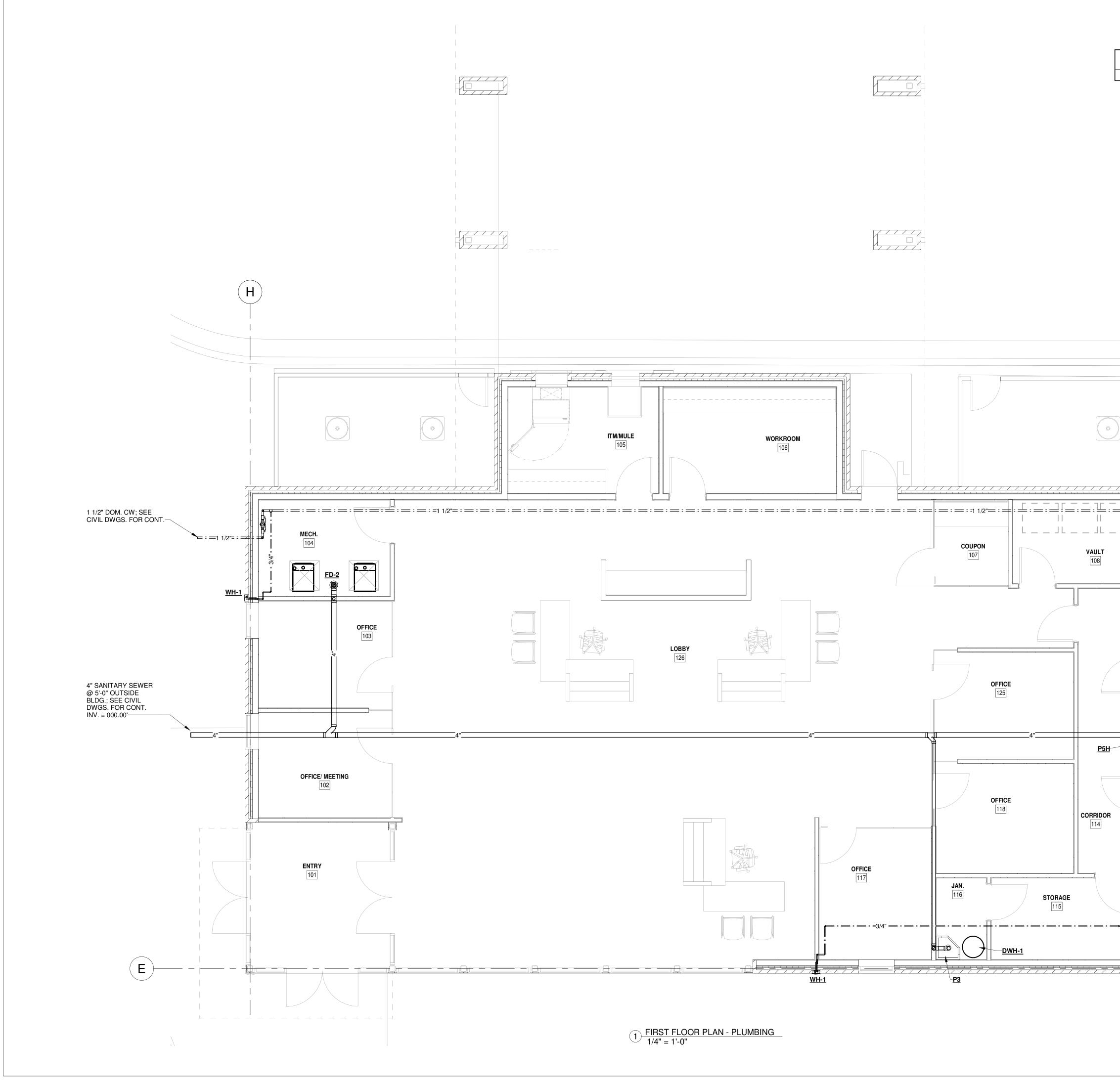
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P001



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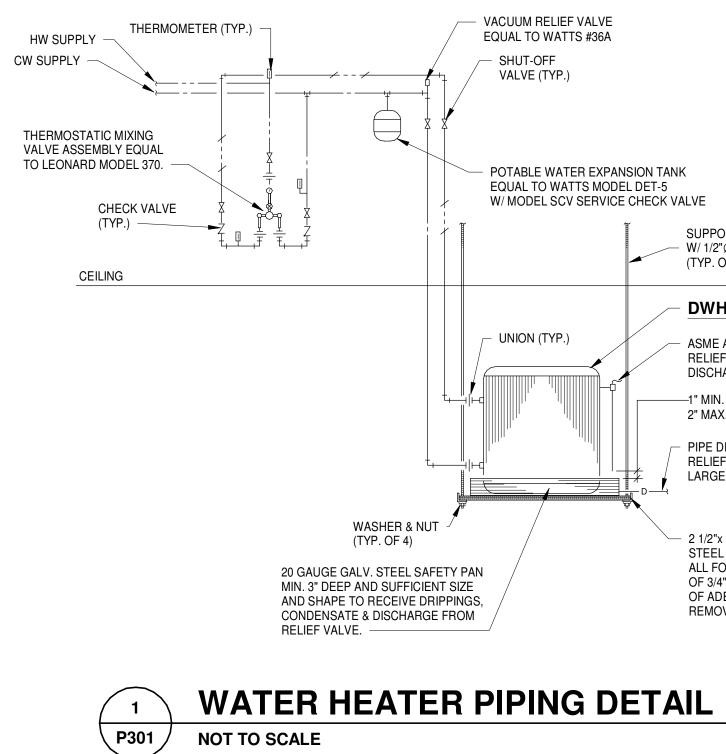
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	PLUMBING FIXTURE SCHEDULE														
MARK	FIXTURE SUPPLY SUPPLY DRAW TRADE MIN. CONNECTION SIZE MINIMUM MTG. HEIGHT F						G. HEIGHT FIXTURE								
MARK	DESCRIPTION	MAKE	MODEL	SUPPORT	PIPE(S)	FITTING	DRAIN	TRAP	CW	HW WASTE VENT SIZE FLR. TO		IT SIZE FLR. TO RIM COL		REMARKS	
P1H	WATER CLOSET, F.V., H.C.	KOHLER	K-4368	FLR. MTD					1"		4"	2"	18"	WHITE	W/ SLOAN 111 F.V., #F-72-A1 TRAP PRIMER & BENEKE 523-SS WHITE SEAT.
P2H	LAVATORY, 21x18", H.C.	KOHLER	K-2356-4-0		K-7605	1	K-7715	K-8998	1/2"	1/2"	1 1/4"	1 1/2"	34"	WHITE	W/ TRUEBRO #102W & #105W INSULATION KIT FOR TRAP, OFFSET DRAIN & SUPPLY
P3	MOP SINK, 24x24x12"	FIAT	TSBC1610	FLR. MTD.		K-8908	3"	3"	1/2"	1/2"	3"	2"	12"	TERRAZZO	W/ STAINLESS STEEL RIM GUARD.
P4	DBL. COMPT. SINK, 33x33x7"	ELKAY	LR-3322	COUNTERTOP	K-7606	K-15172	LK-35	K-9000	1/2"	1/2"	1 1/2"	1 1/2"		STAINLESS STL.	W/ HAND SPRAYER & DISPOSAL EQUAL TO KITCHENAID MODEL KCDB250G.
P5H	ELECTRIC DRINKING FOUNTAIN, H.C.	ELKAY	LZSTL8WSVRSK	(2)	K-7605			K-9000	1/2"		1 1/2"	1 1/2"			HI-LO UNIT W/ BOTTLE FILLING STATION, MOUNT HANDICAP UNIT SPOUT 36" A.F.F PER ADA REQUIREMENTS.

1 T&S MODEL TB-0892 GOOSENECK FAUCET (2) ADJUSTABLE FIXTURE SUPPORT EQUAL TO J.R. SMITH #830 MODIFIED FOR BI-LEVEL FOUNTAIN

					PL		G SPECI	ALTIES	SCHEDULE
	DESCRIPTION		MODEL	MIN. (CONNECT	ION SIZE	MINIMUM	MINIMUM	DEMARKS
MARK	DESCRIPTION	MAKE	MODEL	CW	HW	WASTE	TRAP SIZE	VENT SIZE	REMARKS
WH-1	WALL HYDRANT, FREEZEPROOF	WOODFORD	B65	3/4"					WITH VACUUM BREAKER, WALL CLAMP & LOCKING COVER.
IMB-1	ICE MAKER VALVE BOX	WATER-TITE	9000	1/2"					RECESSED WALL BOX WITH POLISHED CHROME SUPPLY VALVE.
FD-1	FLOOR DRAIN	J.R. SMITH	2010-B	1/2"		3"	4"	2"	WITH TRAP PRIMER CONNECTION & NICKEL BRONZE ADJUSTABLE STRAINER.
FD-2	FLOOR DRAIN	J.R. SMITH	2010			3"	4"	2"	WITH WATERLESS TRAP SEAL EQUAL TO JOSM TSI & NICKEL BRONZE ADJUSTABLE STRAINER.

						WATER	HEATER	R SCI	HEDU	LE					
MARK	MAKE	MODEL	TYPE	MIN. STORAGE CAPACITY (GAL.)	MIN. RECOVERY (G.P.H)	DISCHARGE TEMP. (°F)	TEMP. RISE (°F)	HP	ELECTRIC	CAL VOLT	PHASE	TYPE GAS	BTUH INPUT	FLUE SIZE	REMARKS
DWH-1	A.O. SMITH	DEL30	ELECTRIC	30		140	100		4.5	208	1				



SUPPORT HEATER FROM STRUCTURE — W/ 1/2"Ø ALL THREADED RODS (TYP. OF 4)

DWH-1

2" MAX.

 ASME APPORVED TEMP. & PRESS.
 RELIEF VALVE, PIPE FULL SIZE AND
 DISCHARGE INTO SAFETY PAN. —1" MIN.

 PIPE DRAIN (1" OR SIZE OF RELIEF PIPING WHICHEVER IS LARGER) TO MOP SINK

 2 1/2"x 2 1/2"x 1/4" WELDED
 STEEL ANGLE FRAME CONTINUOUS ALL FOUR (4) SIDES W/ 2 LAYERS OF 3/4" PRESS. TREATED PLYWOOD OF ADEQUATE SIZE TO ALLOW EASY REMOVAL OF HEATER

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	HVAC ABB	REVIA	ATIONS
	ABBREVIATION/DEFINITION		ABBREVIATION/DEFINITION
AD	ACCESS DOOR	LBS	POUNDS
ADJ	ADJUSTABLE	LF	
AFF		LWT	
AHU ARCH	AIR HANDLING UNIT	MAX MBH	I,000 BTUH
BTU	BRITISH THERMAL UNIT	MD	MANUAL DAMPER
BTUH	BRITISH THERMAL UNIT PER HOUR	MIN	MINIMUM
СС	COOLING COIL	MOD	MOTOR OPERATED DAMPER
CAP	CAPACITY	MTD	MOUNTED
CD	CONDENSATE DRAIN	N/A	NOT APPLICABLE
CFM	CUBIC FEET PER MINUTE	NC	NOISE CRITERIA
CHWP	CHILLED WATER PUMP	N.C.	NORMALLY CLOSED
CHR CHS	CHILLED WATER RETURN CHILLED WATER SUPPLY	N.O.	NORMALLY OPEN NUMBER OR DESIGNATION
CLG	CEILING	NOM	NOMINAL
CO	CLEANOUT	NPSH	NET POSITIVE SUCTION HEAD
COMP	COMPRESSOR	OA	OUTSIDE AIR
CONC	CONCRETE	OBD	OPPOSED BLADE DAMPER
CONN	CONNECTION	OC	ON CENTERS
CONT	CONTINUATION	OHP	OUTDOOR HEAT PUMP
CU	CONDENSING UNIT	OPNG	OPENING
CWP		PH, ø	
CR	CONDENSER WATER RETURN	PIU PLBG	POWER INDUCTION UNIT
CS D	DRAIN	PLBG	PRESSURE REDUCING VALVE
DB	DRY BULB	PSIA	POUNDS PER SQ. INCH ABSOLUTE
DG	DOOR GRILLE	PSIG	POUNDS PER SQ. INCH GAUGE
DIA	DIAMETER	RA	RETURN AIR
DIFF	DIFFUSER	RAG	RETURN AIR GRILLE
DN	DOWN	RAR	RETURN AIR REGISTER
DWGS	DRAWINGS	REFG	REFRIGERANT
EA		RF	
EAT EF	ENTERING AIR TEMPERATURE EXHAUST FAN	RH L	RELATIVE HUMIDITY REFRIGERANT LIQUID
EG	EXHAUST GRILLE	RPM	REVOLUTIONS PER MINUTE
ENG	ENGINEER	S	REFRIGERANT SUCTION
ER	EXHAUST REGISTER	RTU	ROOFTOP UNIT
ESP	EXTERNAL STATIC PRESSURE	SA	SUPPLY AIR
EWT	ENTERING WATER TEMPERATURE	SF	SUPPLY FAN
FCU	FAN COIL UNIT	SG	SUPPLY GRILLE
FD	FIRE DAMPER	SP	STATIC PRESSURE (IN. W.G.)
FUR	FURNACE	SQ	SQUARE
FLA FLEX		SR	
FLEX	FLEXIBLE	SS STRUCT	STAINLESS STEEL STRUCTURAL
FP	FAN POWERED	TRANS	TRANSITION
FSD	FIRE/SMOKE DAMPER	T'STAT	THERMOSTAT
FT	FEET	TYP	TYPICAL
GAL	GALLON(S)	UC	UNDERCUT
GPM	GALLONS PER MINUTE	UH	UNIT HEATER
GR	GRILLE	UNO	UNLESS NOTED OTHERWISE
HD	HEAD	VAV	VARIABLE AIR VOLUME
HP	HORSEPOWER	VB	VACUUM BREAKER
HR	HOUR	VEL	VELOCITY
HWR		W	WATTS
HWS		W/	WITH
IHP IN	INDOOR HEAT PUMP	WB WC	WET BULB WATER COLUMN
IRH	INFRA-RED HEATER	WG	WATER GAUGE
KEF	KITCHEN EXHAUST FAN	°F	DEGREES FAHRENHEIT
KW	KILOWATT	%	PERCENT
LAT	LEAVING AIR TEMPERATURE		

ON/DEFINITION
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	HVAC LEGEND
SYMBOL	DESCRIPTION
	EXISTING DUCTWORK TO REMAIN IN PLACE
	EXISTING DUCTWORK TO BE REMOVED
	EXISTING AIR DISTRIBUTION DEVICE TO REMAIN IN PLACE
	EXISTING AIR DISTRIBUTION DEVICE TO BE REMOVED
22"x10"	NEW RECTANGULAR DUCTWORK
22"ø	NEW ROUND DUCTWORK
22"/10"	NEW OVAL DUCTWORK
	NEW SUPPLY DIFFUSER; ARROWS INDICATE FLOW DIRECTION
	NEW RETURN OR EXHAUST GRILLE
Ō	THERMOSTAT
\oplus	HUMIDISTAT
S	TEMPERATURE SENSOR CONNECTED TO REMOTE THERMOSTAT OR BUILDING AUTOMATION SYSTEM
•	POINT OF CONNECTION TO EXISTING
22"ø 18"x10"	TRANSITION FROM ROUND TO RECTANGULAR DUCTWORK
FD	FIRE DAMPER
FSD	FIRE/SMOKE DAMPER
SD	SMOKE DAMPER
D	MANUAL DAMPER
<u> </u>	MOTOR OPERATED DAMPER
22"x10"	DUCT RISE
22"x10" x	DUCT DROP
	FLEXIBLE DUCT
(tree	VANED ELBOW
6" CHS	NEW CHILLED WATER SUPPLY
6" CHR	NEW CHILLED WATER RETURN
3" HWS	NEW HEATING WATER SUPPLY
3" HWR	NEW HEATING WATER RETURN
1 1/2" CD	NEW CONDENSATE DRAIN PIPING
C:=:=:=:=:=:=:=:=:=	EXISTING PIPING TO REMAIN IN PLACE
	EXISTING PIPING TO BE REMOVED
EX-##	EXISTING EQUIPMENT; ## = ORIGINAL DESIGNATION
(A2) 100 (A2)	AIR DISTRIBUTION DESIGNATION; MARK/CFM OR MARK

HVAC GENERAL NOTES

HVAC GENERAL
THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE N POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND COORDINATED WITH ALL DISCIPLINES. ALL ITEMS AND LAB HVAC SYSTEM IN ACCORDANCE WITH ALL APPLICABLE COI CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT I CONTRACT.
FLEXIBLE DUCT RUNOUTS TO DIFFUSERS SHALL BE INSTAL MAXIMUM LENGTH OF FLEXIBLE DUCT TO BE INSTALLED AT 4'-0".
ALL DUCT TRANSITIONS FROM SQUARE TO ROUND SHALL TRANSITIONS. SPIN-IN FITTINGS AT THE END OF CAPPED D
EXHAUST DUCTWORK SHALL NOT BE INSULATED.
PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLES AND SHALL BE PAINTED FLAT BLACK.
ALL FAN MOTORS SHALL HAVE A DISCONNECT SWITCH MC
ALL OPEN ENDED DUCTS SHALL BE REINFORCED WITH 1-1. GALVANIZED STEEL ANGLES BOLTED OR RIVETED 6" ON CE EXTERIOR PERIMETER OF THE DUCT.
ALL DUCT RUNOUTS TO AIR DISTRIBUTION DEVICES (SUPP MANUAL VOLUME DAMPERS AS CLOSE TO TRUNK DUCT AS
ALL DIFFUSERS IN CORRIDORS OR WITHIN 3 FEET OF A WA 3-WAY THROW AWAY FROM OR PARALLEL TO WALLS.
BACK OF ALL SUPPLY DIFFUSERS SHALL BE INSULATED W/ INSULATION.
PROVIDE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAM SMOKE OR FIRE RATED WALLS OR FLOORS. RATING OF D/ FOR WALL OR FLOOR IN WHICH THEY ARE INSTALLED

FOR WALL OR FLOOR IN WHICH THEY ARE INSTALLED.
 ALL PIPING EXPOSED TO FREEZING SHALL BE HEAT TRACED AND INSULATED TO PROTECT PIPING DOWN TO 0°F. HEAT TRACING CABLE SHALL BE SELF-REGULATING TYPE AS MANUFACTURED BY RAYCHEM OR APPROVED EQUAL. PIPE INSULATION SHALL BE SAME TYPE AND THICKNESS AS SPECIFIED UNDER INSULATION SPECIFICATION FOR PIPING SYSTEM BEING HEAT TRACED.

HVAC INDEX OF DRAWINGS

SHEET NO.	SHEET DESCI
M001	HVAC LEGEND, ABBREVIATIONS, & GENERAL N
M201	FLOOR PLAN - HVAC
M301	HVAC DETAILS & SCHEDULES

	DATE F	DATE I	ABBF & GE NOTE	HVAC	_ 4		[DRAWI KLH APPRC WPI
10	REVISE	SSUE	REVIA NERA ES		-	I KUS I MAKK GLUCKS I AD I	CONTRO-CAWTHON - DAVIS		
	Đ)	ATIO AL	ENI		TRUSTMARK NATIONAL BANK	Architecture		3Y
1		30	NS,	D,)		
								J	

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Suite 210
Madison, Mississippi 39110
(601) 856-5138 · FAX (601) 856-5331
HESM&A P.N. 22016

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RE NOT INTENDED TO SHOW ALL ETE HVAC SYSTEM BE PROVIDED AND CONTROLS COMPLETELY LABOR REQUIRED FOR A COMPLETE CODES, STANDARDS, AND THESE UT INCURRING ADDITIONS TO THE

TALLED FREE OF KINKS AND SAGS. AT ANY DIFFUSER SHALL BE

L BE SMOOTH SQUARE TO ROUND DUCTS ARE NOT ACCEPTABLE.

ND REGISTERS IN FINISHED AREAS MOUNTED AT THE FAN.

I-1/2" X 1-1/2" X 1/8" CENTER (MAX) ALL AROUND THE

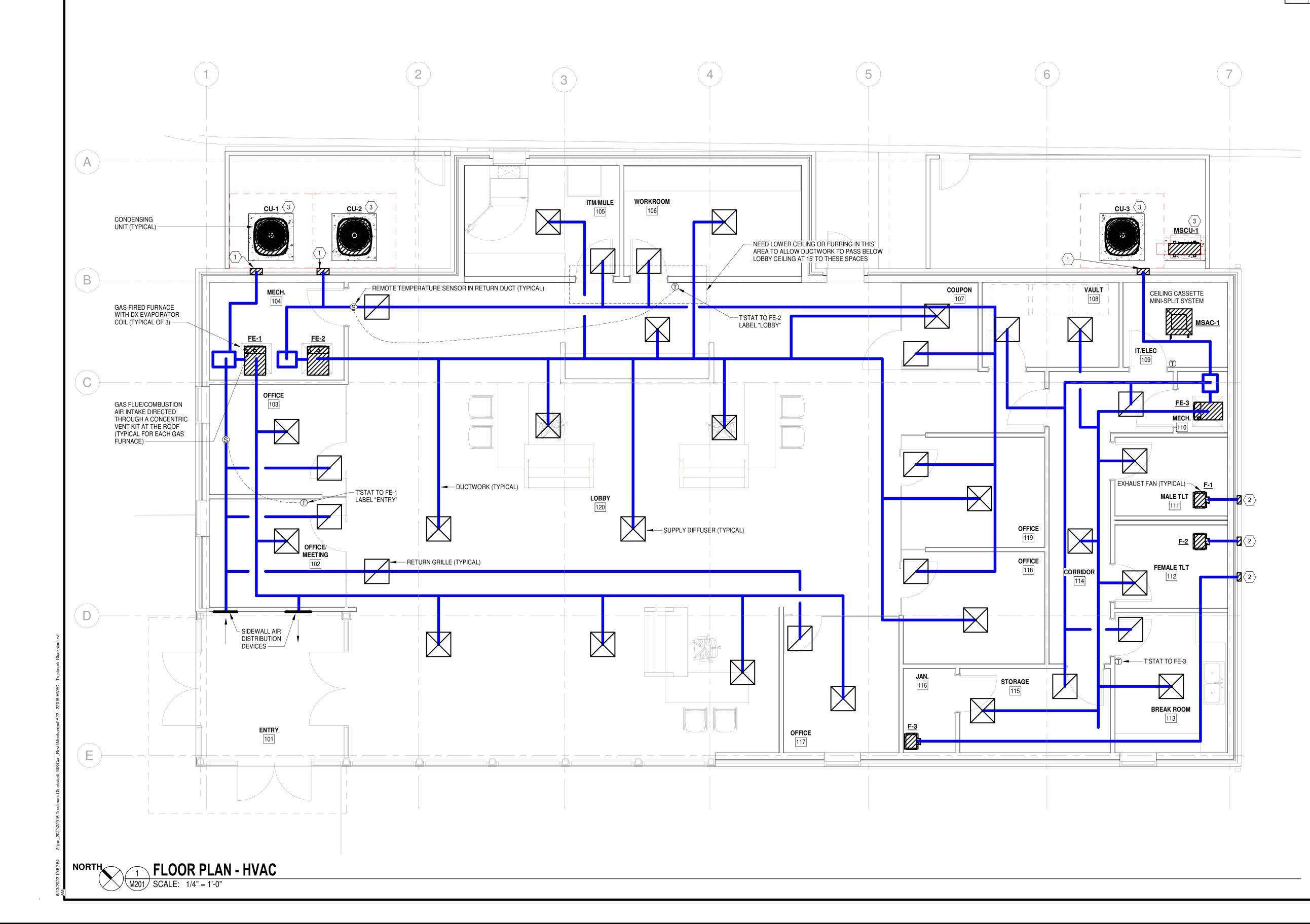
PPLY, RETURN, EXHAUST) SHALL HAVE AS POSSIBLE.

ALL SHALL HAVE 2-WAY OR

W/ FOIL BACKED FIBERGLASS

AMPERS AT PENETRATION OF ALL DAMPERS SHALL BE SUITABLE

CRIPTION NOTES



GENERAL NOTES

HEX

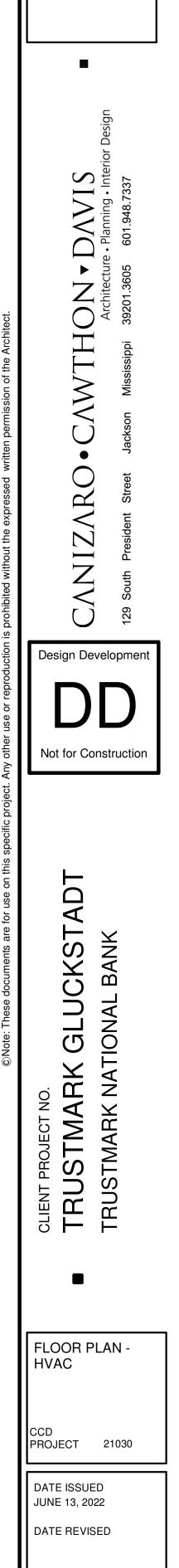
#

- 1. ALL DUCT RUNOUTS TO AIR DISTRIBUTION DEVICES (SUPPLY, RETURN, EXHAUST) SHALL HAVE MANUAL BALANCING DAMPERS AS CLOSE TO THE TRUNK DUCT AS POSSIBLE.
- 2. ALL CONDENSATE DRAIN PIPING INSIDE THE BUILDING SHALL BE PVC AND INSULATED WITH TUBULAR CLOSED-CELL FOAM AS MANUFACTURED BY ARMAFLEX.
- 3. INSULATE ALL REFRIGERANT PIPING WITH TUBULAR CLOSED-CELL FOAM AS MANUFACTURED BY ARMAFLEX.

SHEET KEYNOTE LEGEND

KEYNOTE DESCRIPTION

- 1 12"x12" INTAKE LOUVER EQUAL TO RUSKIN MODEL ELF6375DX WITH BIRD AND INSECT
- SCREENS; FINISH, COLOR, AND EXACT LOCATION PER ARCHITECT. 2 BRICK VENT, FAN ACCESSORY (SEE FAN SCHEDULE); COLOR PER ARCHITECT
- 3 MOUNT CONDENSING UNIT ON MINIMUM 4" CONCRETE PAD; EXTEND REFRIGERANT LINES FROM CONDENSING UNIT INTO EXTERIOR WALL, RISE IN WALL, AND TURN OUT ABOVE ADJACENT CEILING; CONTINUE REFRIGERANT PIPING ABOVE CEILING TO CORRESPONDING INDOOR UNIT/COIL; SEAL ALL WALL PENETRATIONS WEATHERTIGHT; REFRIGERANT PIPING TO BE SIZED PER EQUIPMENT MANUFACTURER'S RECOMMENDATION.



DRAWN BY

APPROVED BY

KLH

WPI

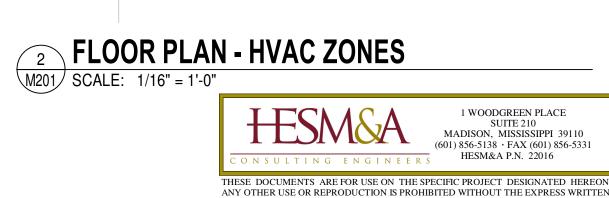


MSAC-1, MSCU-1 —

FE-3,CU-3

DRAWING NO.

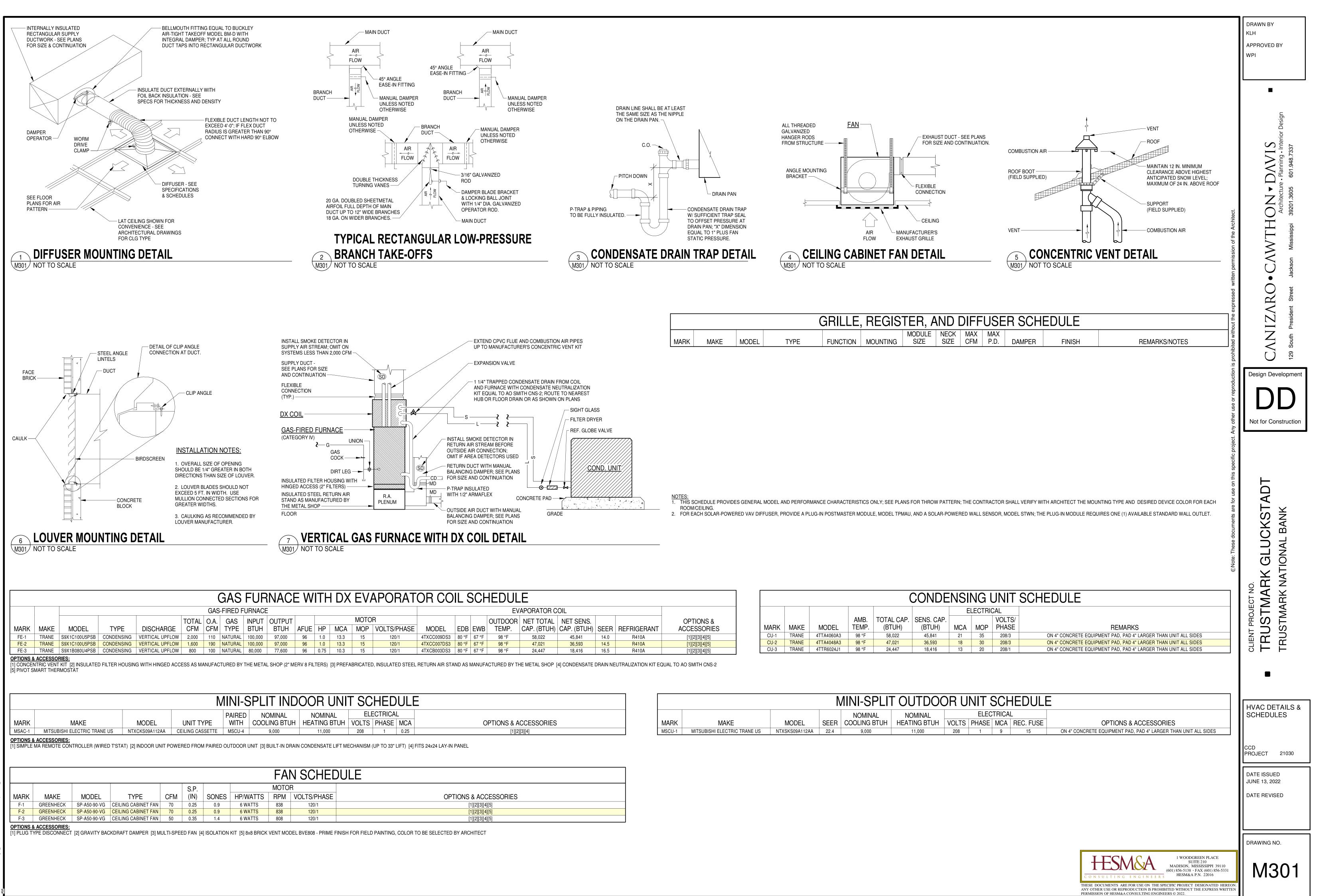
M201



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FE-2,CU-2

FE-1,CU-1



	ROOM/CEILING.
2.	FOR EACH SOLAR-POWERED VAV DIFFUSER, PROVIDE A PLUG-IN POSTMASTER MODULE, MODEL TPM

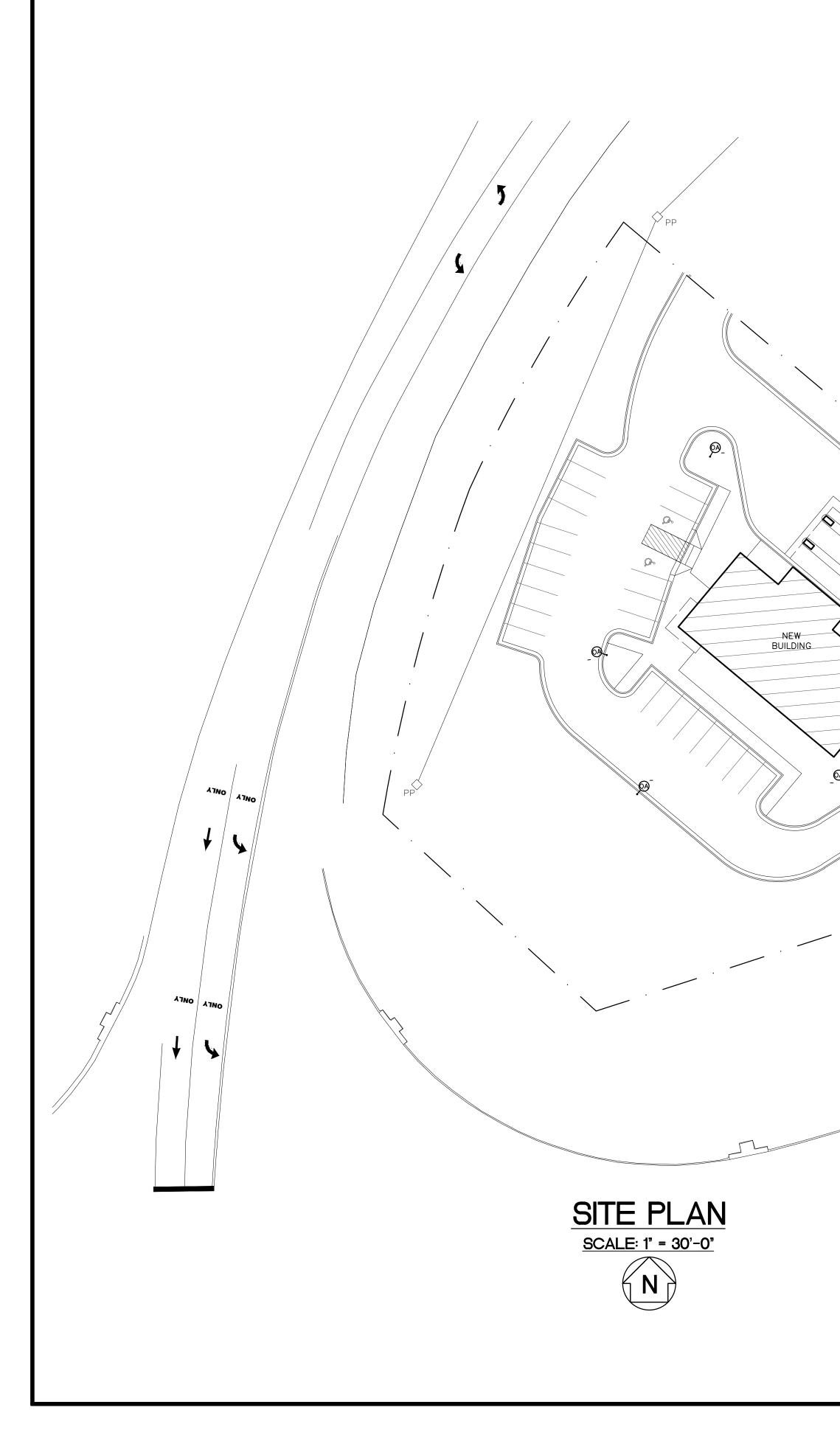
	(IEDUL	F										
<i>n</i> 00				· L_										
			EV	APORATOR C	OIL									
			OUTDOOR	NET TOTAL	NET SENS.			OPTIONS &					AMB.	TOTAL CAP.
MODEL	EDB	EWB	TEMP.	CAP. (BTUH)	CAP. (BTUH)	SEER	REFRIGERANT	ACCESSORIES	1	MARK	MAKE	MODEL	TEMP.	(BTUH)
TXCC009DS3	80 °F	67 °F	98 °F	58,022	45,841	14.0	R410A	[1][2][3][4][5]		CU-1	TRANE	4TTA4060A3	98 °F	58,022
TXCC007DS3	80 °F	67 °F	98 °F	47,021	36,593	14.5	R410A	[1][2][3][4][5]		CU-2	TRANE	4TTA4048A3	98 °F	47,021
4TXCB003DS3	80 °F	67 °F	98 °F	24,447	18,416	16.5	R410A	[1][2][3][4][5]		CU-3	TRANE	4TTR6024J1	98 °F	24,447
					1									

				Ν	/INI-SPLI ⁻	T OUT
RIES	MARK	MAKE	MODEL	SEER	NOMINAL COOLING BTUH	NOM HEATING
	MSCU-1	MITSUBISHI ELECTRIC TRANE US	NTXSKS09A112AA	22.4	9,000	11,0

OPTIONS & ACC	ESSORIES	
[1][2][3][4]	[5]	
[1][2][3][4]	[5]	
[1][2][3][4]	[5]	

GENERAL NOTES:

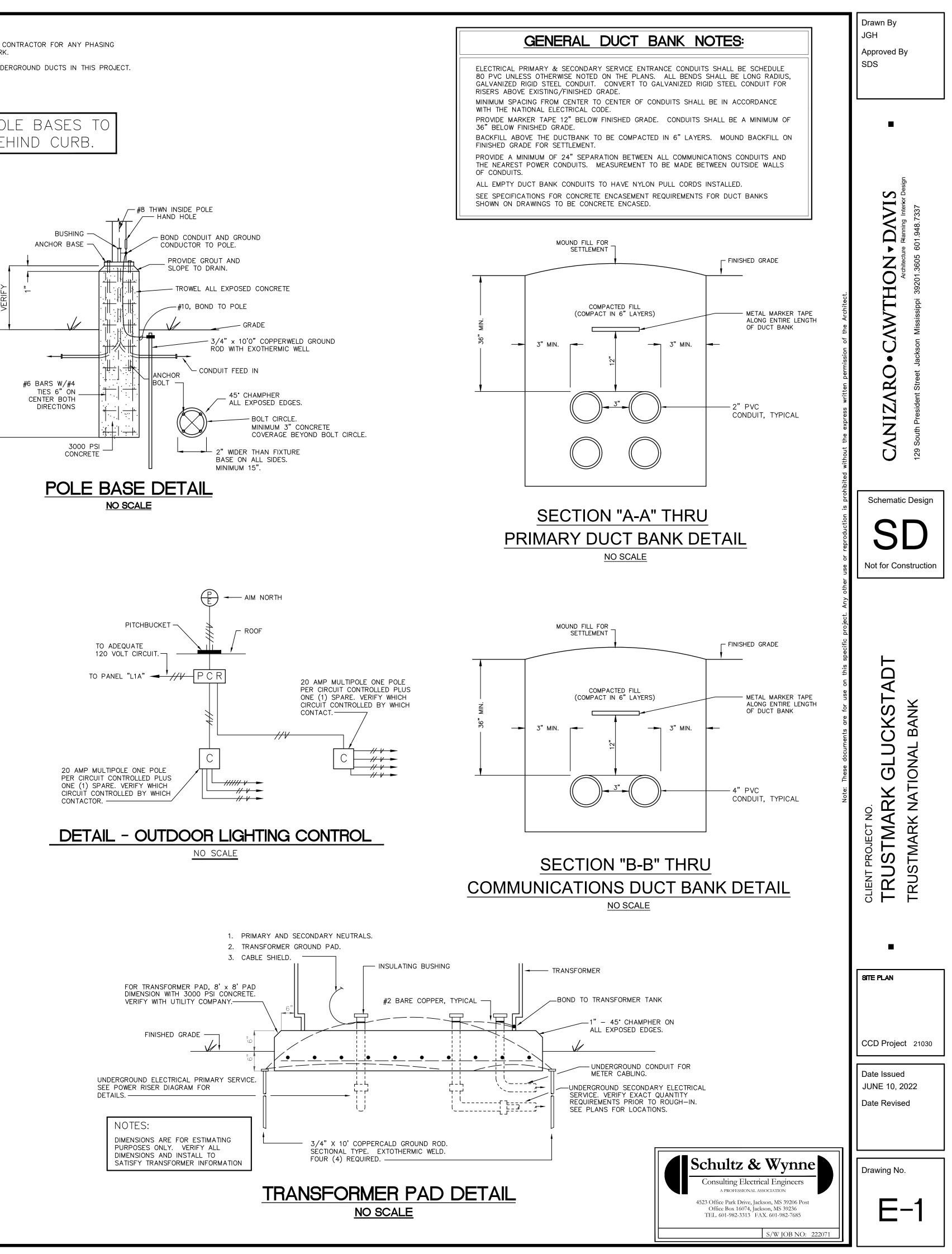
- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY DRIVEWAY, PAVING, ABANDONED UTILITIES, ETC. THAT IS IN THE PATH OR AREA FOR THE NEW WORK SHOWN IN THIS PROJECT, ANY AREAS DISTURBED BY THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ARCHITECT.
- B. THE ROUTING OF NEW UNDERGROUND ELECTRICAL WORK SHALL BE CLOSELY COORDINATED WITH THE ARCHITECT AND OTHER DISCIPLINES.
- C. ALL OUTDOOR/UNDERGROUND CONDUITS SHALL BE 3/4" MINIMUM UNLESS OTHERWISE NOTED.
- D. ALL OUTDOOR/UNDERGROUND CIRCUITS SHALL BE #10 AWG MINIMUM, UNLESS NOTED OTHERWISE.
- E. THE ROUTING OF UNDERGROUND DUCTS IS SHOWN FOR BIDDING PURPOSES AND THE ACTUAL ROUTING SHALL BE CLOSELY COORDINATED AND VERIFIED BY THE ARCHITECT, OWNER AND OTHER DISCIPLINES. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING EXCAVATION.
- F. ANY DAMAGE TO ANY EXISTING UTILITY SHALL BE REPAIRED TO THE COMPLETE SATISFACTION OF THE ARCHITECT AND OWNER AND IN A TIMELY MANNER RESPONSIVE TO THE SEVERITY OF THE DISRUPTION.
- G. CONTRACTOR SHALL "STAKE OUT" THE OUTDOOR POLE LOCATIONS PER THE PLANS FOR OWNER/ARCHITECT APPROVAL PRIOR TO ROUGH-IN OR DRILLING POLE BASE.
- H. COORDINATE EXACT LOCATIONS OF MANHOLES AND PAD MOUNTED TRANSFORMER WITH THE ARCHITECT.

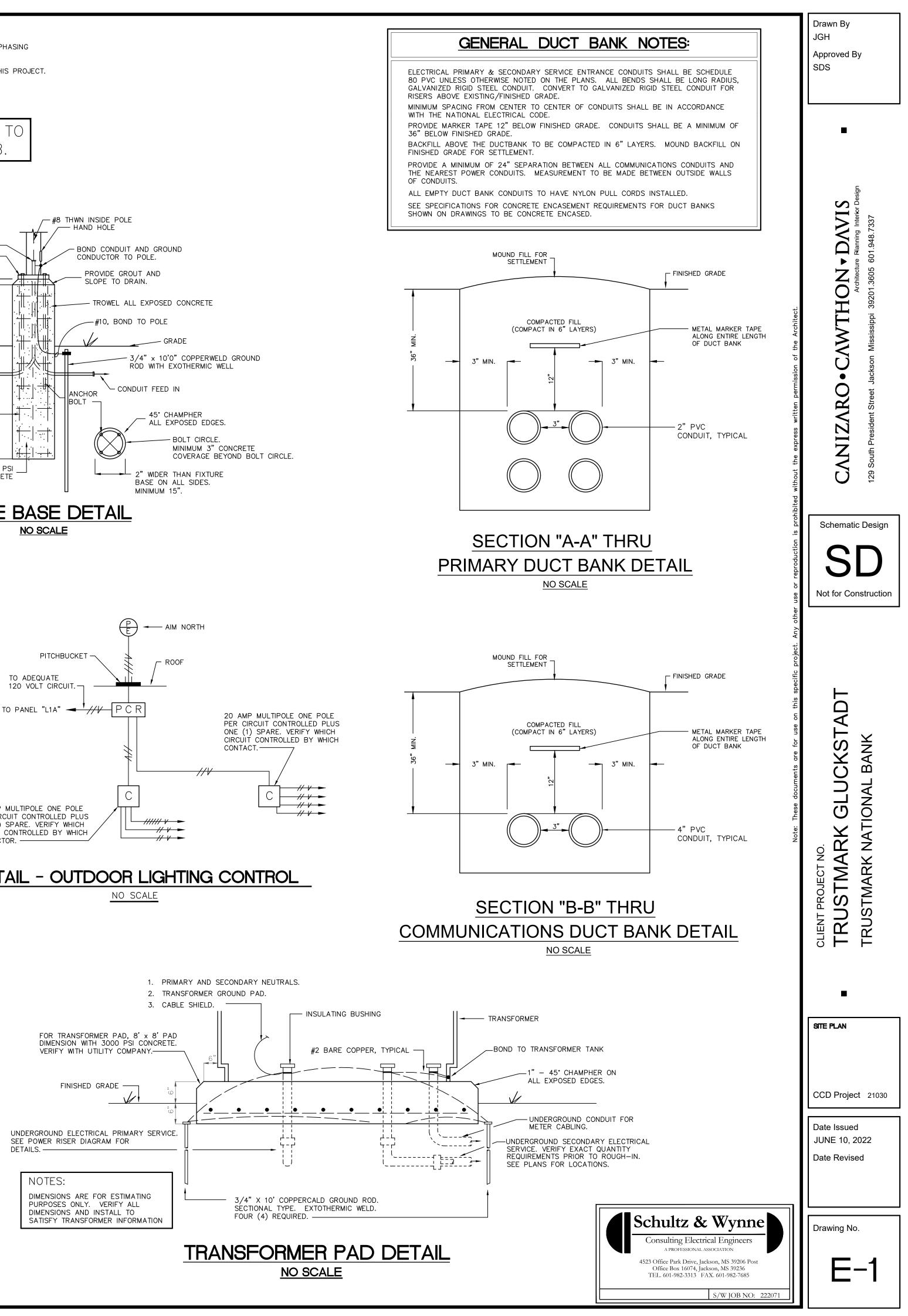


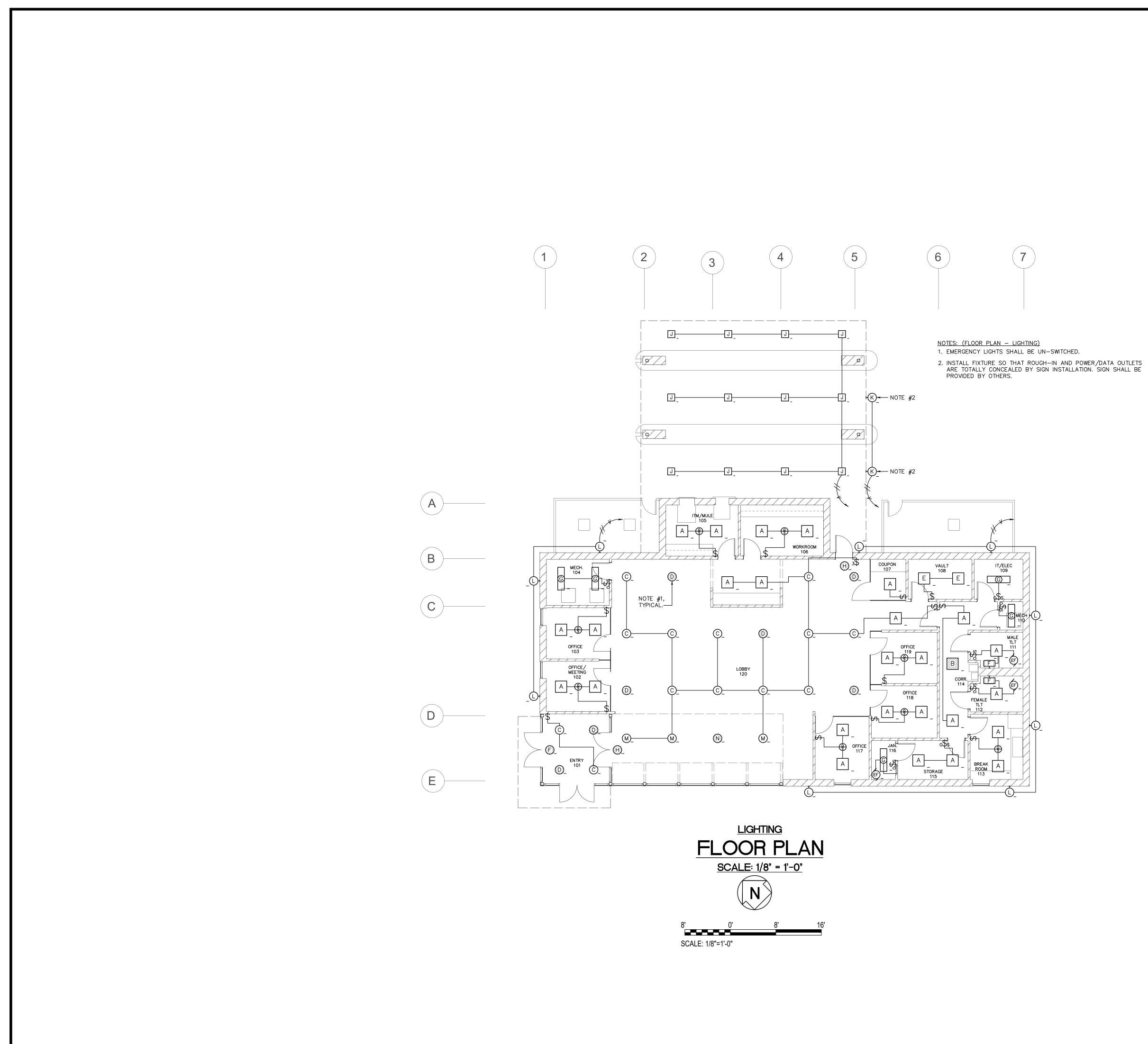
I. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR ANY PHASING REQUIREMENTS TO ROUTE AND INSTALL NEW WORK.

J. PROVIDE A NYLON PULL ROPE IN ALL EMPTY UNDERGROUND DUCTS IN THIS PROJECT.





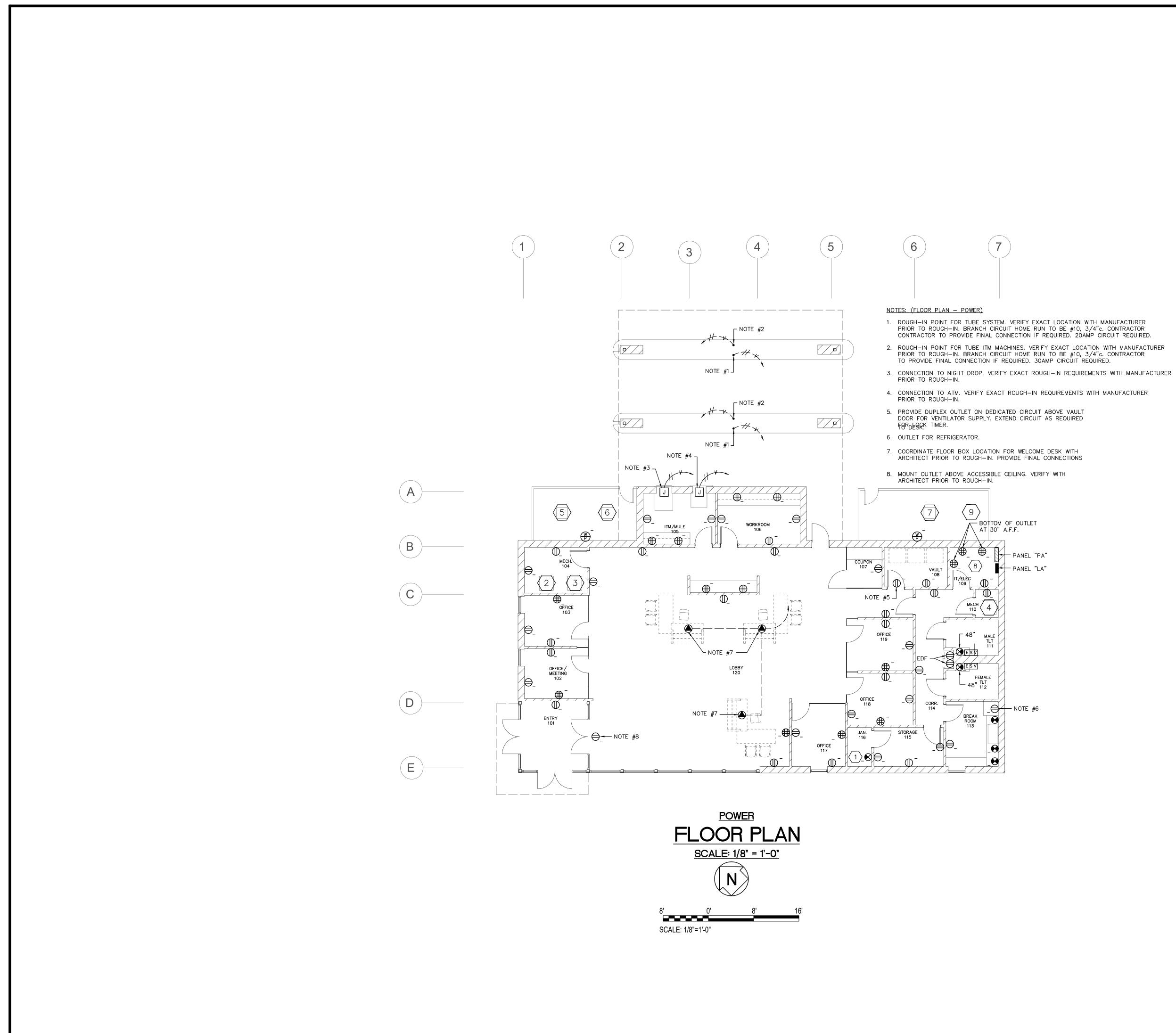




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	•
	FLOOR PLAN - LIGHTING
	CCD Project 21030
	JUNE 10, 2022 Date Revised
	Drawing No.
	E-2



S/W JOB NO: 222071

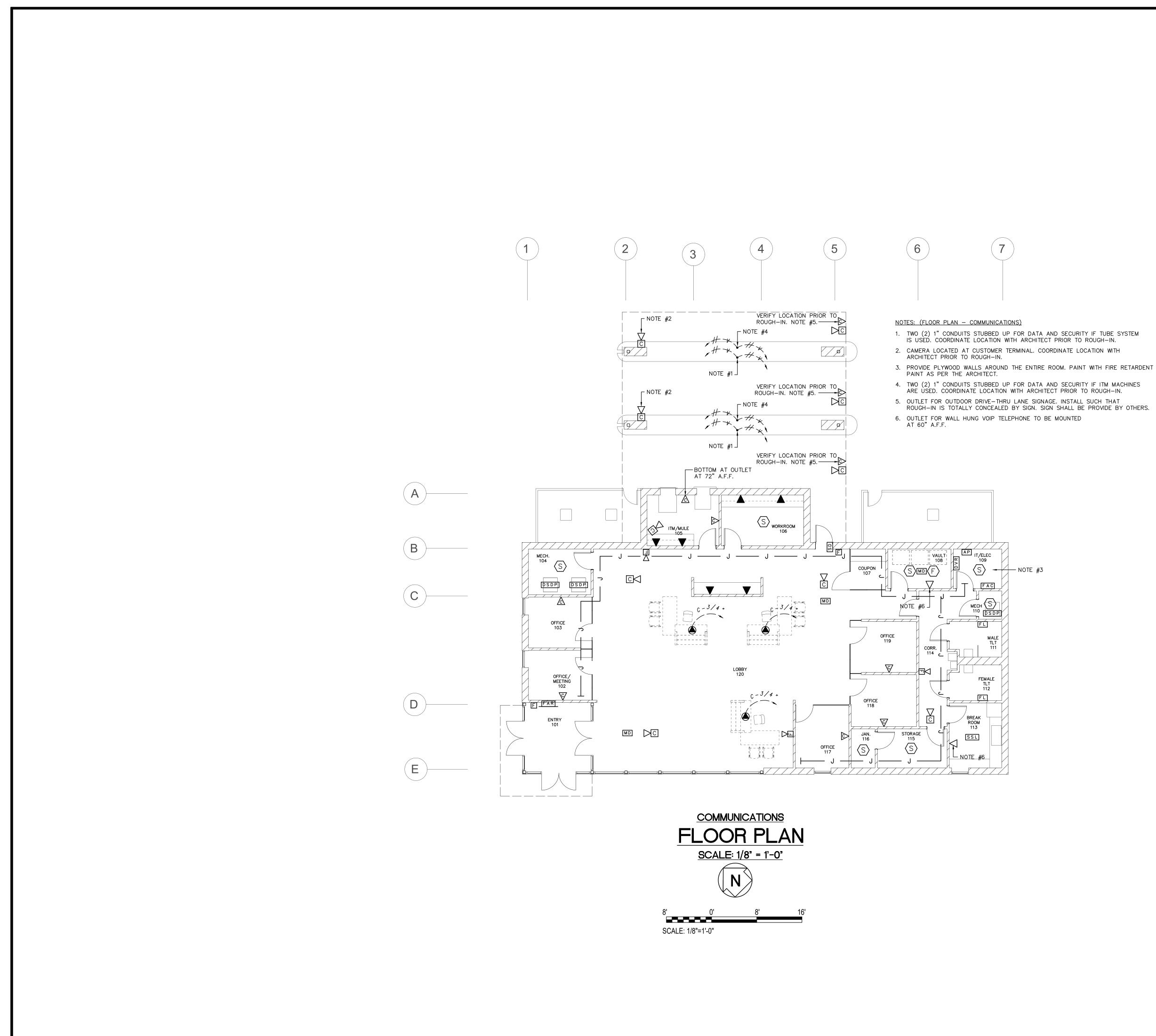


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Drawing No.

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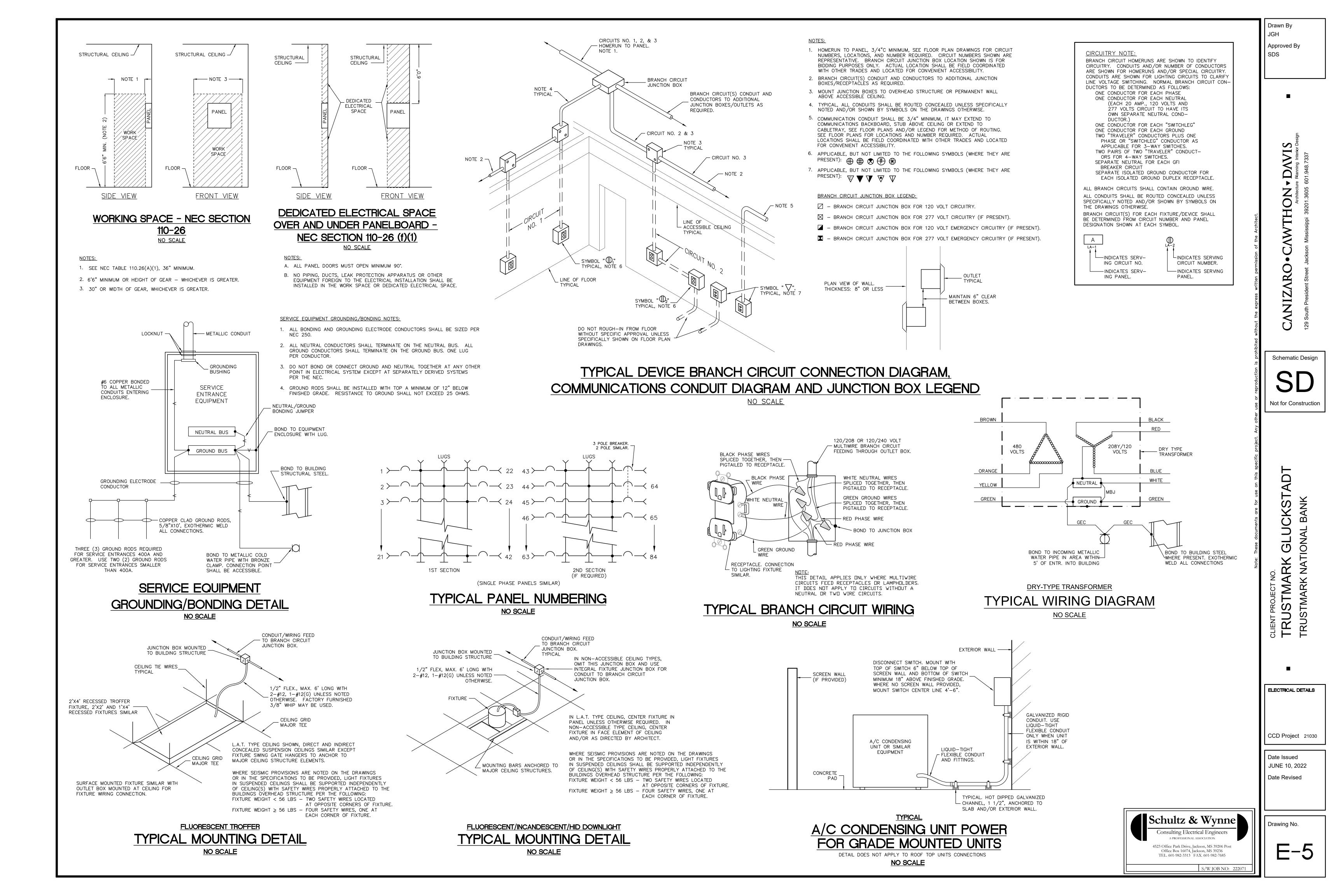
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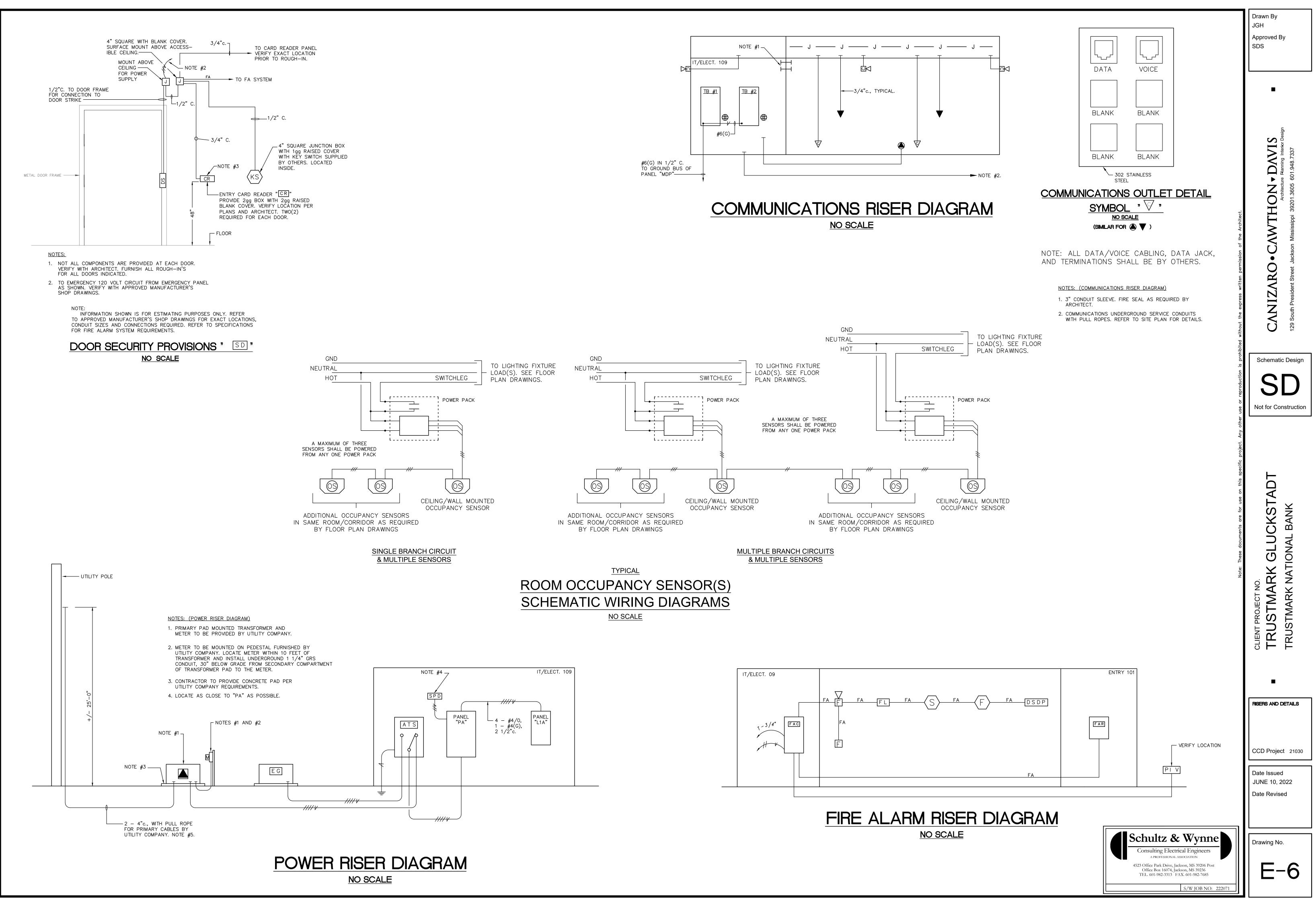


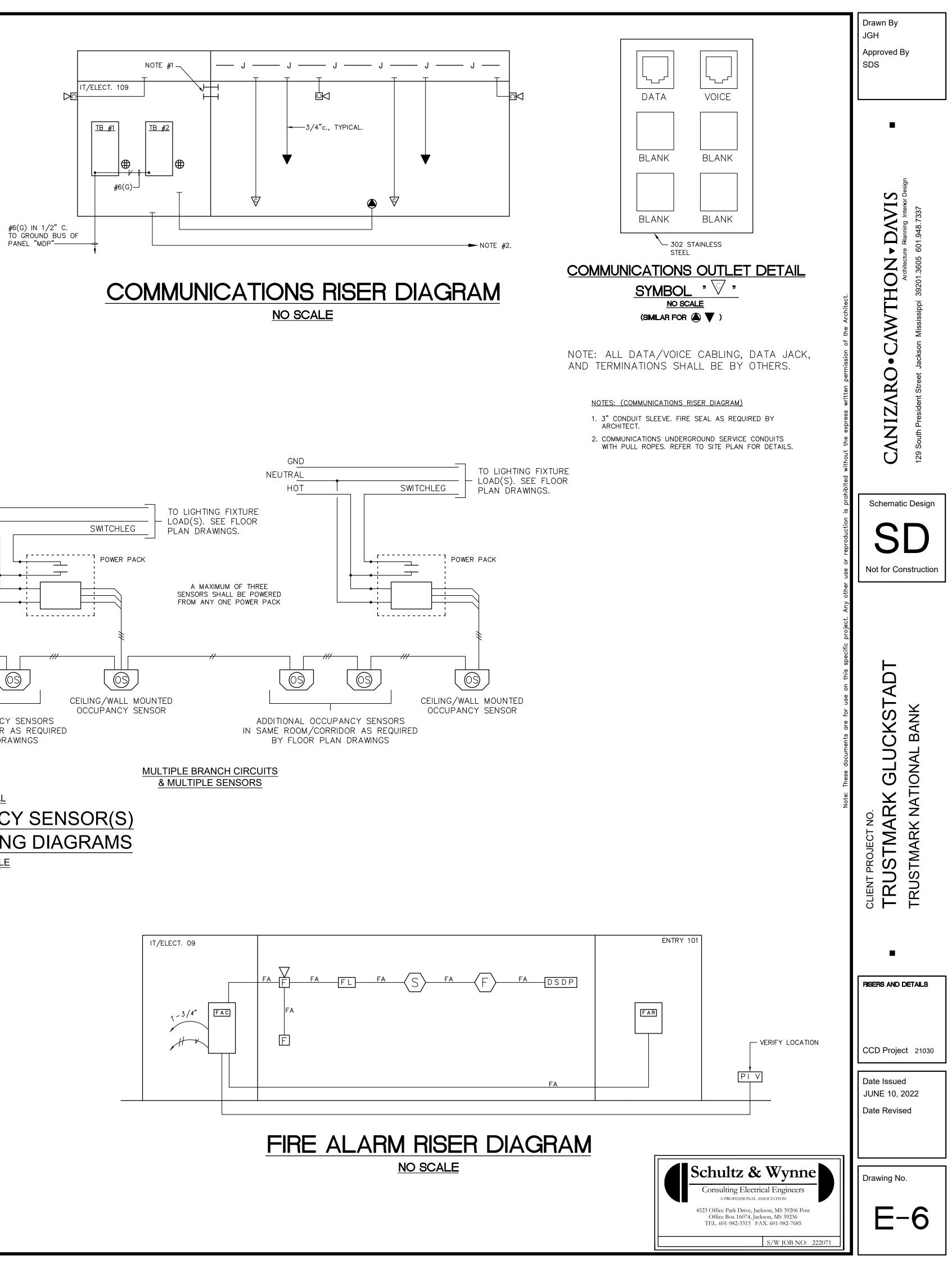
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CCD Project 21030
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E-4

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	POWER CONNECTION SCHEDULE											
MARK	EQUIPMENT	VOLTAGE /PHASE	FLA	КW	HP	PANEL CKT. NO.	BRANCH CIRCUIT	DISC. SW/ FUSE ②	REMARKS			
1	DWH-1	208/1	21.6	4.5	_	_	2 - #10, 1 - #10G, 1/2"c.	30A2P	3,4,5			
2	FE-1	120/1	13.3	_	1	-	2 - #12, 1 - #12G, 1/2"c.	30A2P	3,5			
3	FE-2	120/1	13.3	_	1	-	2 - #12, 1 - #12G, 1/2"c.	30A2P	3,5			
.4	FE-3	120/1	10.3	_	3/4	-	2 - #12, 1 - #12G, 1/2"c.	30A2P	3,5			
5	CU-1	208/3	21	_	-	-	2 - #8, 1 - #10G, 3/4"c.	60A3P	3,4,5			
6	CU-2	208/3	18	_	-	_	2 - #10, 1 - #10G, 1/2"c.	30A3P	3,4,5			
7	CU-3	208/1	13	_	-	_	2 - #12, 1 - #12G, 1/2"c.	30A2P	3,4,5			
8	MSAC-1	208/1	.25	_	-	_	-	_	6			
9	MSCU-1	208/1	9	_	-	_	2 - #12, 1 - #12G, 1/2"c.	30A2P	3,4,5			

POWER CONNECTION REMARKS:

CIRCUIT TO INCLUDE ONE (1) GREEN GROUNDING CONDUCTOR (G) SIZED PER BRANCH CIRCUIT SIZE UNLESS SHOWN TO BE SIZED DIFFERENTLY. MINIMUM CONDUCTOR REQUIREMENT 2-#12, 1-#12G, 1/2"C.

2. DUAL ELEMENT TYPE FUSE AND SWITCH OF PROPER VOLTAGE. IF FUSE SIZE NOT SHOWN, UNIT TO BE UNFUSED.

3. FINAL CONNECTION USING LIQUID TIGHT FLEXIBLE CONDUIT.

4. RAINTIGHT DISCONNECT SWITCH.

5. WALL MOUNTED DISCONNECT SWITCH.

6. INDOOR UNIT IS SERVED FROM OUTDOOR UNIT.

	LEGEND
SD	CONNECTION TO SECURITY DOOR WITH DOOR STRIKE. SEE DETAIL ON SHEET E-7.
SPD	SURGE PROTECTION DEVICE. SEE SPECIFICATIONS.
J	J HOOKS SHALL BE INSTALLED AND ROUTED PER PLANS AND SPECIFICATIONS. COORDINATE J HOOK LOCATIONS WITH OTHER TRADES TO BE ACCESSIBLE AT COMPLETION OF PROJECT.
\oplus	OUTLETS FOR DOUBLE DUPLEX RECEPTACLES AND COMPUTER OUTLET WITH 3/4"c. FOR TV/MONITOR. MOUNT CENTER LINE UP 60" A.F.F. VERIFY EXACT LOCATION.
\bullet	OCCUPANCY SENSOR, CEILING MOUNTED.
o\$s	SWITCH, OCCUPANCY SENSOR. MOUNT CENTER LINE UP 48", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.

			LIGHTING FIXTURE SC	CHEDULE		
VOLTS	SYMBOL	WATTS	DESCRIPTION	MANUFACTURER	CAT. NO.	MOUNTING
120	A	34.8	RECESSED LED TROFFER, 2' X 2', 3641 LUMENS, 3500°K	COLUMBIA	LSER22-35HLG-C -ED-U-C588	RECESSED
120	В	34.8	RECESSED LED TROFFER, 2' X 2', 3641 LUMENS, 3500°K, WITH EMERGENCY BATTEY PACK	COLUMBIA	LSER22-35HLG-C -ED-U-C588	RECESSED
120	С	19	RECESSED LED DOWNLIGHT, 6" DIAMETER, 2000 LUMENS, 3500°k	WILLIAMS	6DR-TL-L20/835 -DIM-UNV-O-W-OF -OS-N-F1	RECESSED
120	D	19	RECESSED LED DOWNLIGHT, 6" DIAMETER, 2000 LUMENS, 3500°K, WITH EMERGENCY BATTERY PACK	WILLIAMS	6DR-TL-L20/835 EM/7W-DIM-UNV-0 -W-OF-OS-N-F1	RECESSED
120	E	41.7	RECESSED LED TROFFER, 2' X 2', 4293 LUMENS, 3500°K	COLUMBIA	LSER22-35VLG-C -ED-U-C588	RECESSED
120	F	26	LAVATORY WALL BRACKET, LED, 2 FEET LONG, 3500°K, 1304 LUMENS, 90 CRI, BRUSHED NICKEL	LITHONIA	FMVCSL-24IN- MVOLT-35K- 90CRI-BN	6'-6" A.F.F.
120	G	29	SURFACE MOUNTED STRIP, LED, 48", 3000 LUMENS, 3500°K	LITHONIA	WL4-30L-EZ1- LP835	CEILING
120	н	5	EXIT SIGN, SINGLE FACE, LED, EDGE LIT, DIRECTION ARROWS PER PLANS, FINISH PER ARCHITECT	LITHONIA	EDGR-X-1-R	WALL OR CEILING RECESSED
	I	-	NOT USED	-	-	-
120	J	23.1	OUTDOOR RECESSED DOWNLIGHT, LED, 6" SQUARE, GASKETED, 2000 LUMENS, 4000°K	LITHONIA	EVOSQ-TUWH-PROR /20-AR-LSS- MVOLT	RECESSED
120	К	_	CUSTOM LED SIGNAGE, OPEN/CLOSED, OWNER FURNISHED, CONTRACTOR INSTALLED	SIGNAL TECH	-	COORDINATE WITH ARCHITECT
120	L	25	OUTDOOR LED WALL BRACKET, 3000 LUMENS, 4000 [°] K	LITHONIA	WST-LED-P2 -40K-VF-MVOLT- DDBTXD	10'-0" A.F.F.
120	М	26.9	RECESSED LED DOWNLIGHT, 6" DIAMETER, 3000 LUMENS, 3500%	WILLIAMS	6DR-TL-L30/835 -DIM-UNV-O-W-OF -OS-N-F1	RECESSED
120	Ν	26.9	RECESSED LED DOWNLIGHT, 6" DIAMETER, 3000 LUMENS, 3500°K, WITH EMERGENCY BATTERY PACK	WILLIAMS	6DR-TL-L30/835 EM/7W-DIM-UNV-0 -W-OF-OS-N-F1	RECESSED
208	OA	174	OUTDOOR LED POLE LIGHT, 21,235 LUMENS, 4000°K, DARK BRONZE FINISH, 30' STRAIGHT	US ARCHITECTURAL	RZR-PLED-III-M- 80LED-700MA-NW	SEE DETAIL

LIGHTING FIXTURE SCHEDULE NOTES:

EXIT SIGNS SHALL BE WALL MOUNTED C.L. UP 12" ABOVE TOP OF DOOR FRAME AND/OR C.L. UP 8'-6" A.F.F. WHERE NO DOOR IS PRESENT. AT STORE FRONT & SIMILAR LOCATIONS, MOUNT EXIT SIGNS AT CEILING WHERE CEILING HEIGHT DOES NOT EXCEED 10'-0" A.F.F. OR TO SIDE OF DOOR C.L. UP 9'-6" A.F.F. WHERE DIRECTED BY THE ARCHITECT.

2. PROVIDE OVERSIZED TRIM RINGS ON ALL RECESSED FIXTURES.

3. ALL BATTERY PACKS SHALL BE INTEGRAL WITH THE FIXTURE.

	LEGEND		Drawn By JGH
			Approved By
	BRANCH CIRCUIT (CONDUIT AND WIRING) CONCEALED ABOVE CEILING OR IN WALL, NUMBER OF CONDUCTORS. (SDS
/////	CONDUCTORS. EXISTING WIRING SYSTEM IN CONDUIT, NUMBER OF NEW CONDUCTORS. () INDICATES CHANGE FROM EXISTING		
-E-///// •	TO NEW CONDUIT. BRANCH CIRCUIT (CONDUIT AND WIRING) EXPOSED IN FLEXIBLE CONDUIT, NUMBER CONDUCTORS.		•
	BRANCH CIRCUIT (CONDUIT AND WIRING) EXPOSED IN LIQUIDTIGHT FLEXIBLE CONDUIT, NUMBER OF CONDUCTORS.		
4-1-2-3 7777	HOME RUN, PANEL AND CIRCUIT DESIGNATION, NUMBER OF CONDUCTORS.		
$\frac{T-3/4"}{T-3 ^{4'}}$	TELEPHONE SYSTEM CONDUIT CONCEALED OR EXPOSED PER BRANCH CIRCUIT SYMBOL, SIZE.		esign
	TELEVISION SYSTEM CONDUIT, CONCEALED OR EXPOSED PER BRANCH CIRCUIT SYMBOLS, 3/4" OR AS NOTED. FIRE ALARM SYSTEM CONDUIT CONCEALED OR EXPOSED PER BRANCH CIRCUIT SYMBOLS, SIZE.		SI S
<u> </u>	COMPUTER SYSTEM CONDUIT CONCEALED OR EXPOSED PER BRANCH CIRCUIT SYMBOL, SIZE.		anning Inter .948.7337
<u>c-1</u>	COMPUTER SYSTEM HOME RUN, SIZE.		e Plan 601.9
(A) ₁ (B)⁺₂	CEILING OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.		chitectur 3605
<u> </u>	FLUORESCENT FIXTURE WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.		Ard Ard 39201.3
4	RECESSED FLUORESCENT FIXTURE WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.	itect.	
ZZ O Z2	HATCH LINES THRU ANY LIGHTING SYMBOL, FIXTURE TO HAVE EMERGENCY BATTERY PACK.	e Archite	Mississippi
	TELEPHONE BACKBOARD, SIZE AS NOTED, 3/4" PLYWOOD, LONG DIMENSION VERTICAL. TERMINATE ALL TELEPHONE HOMERUNS AT THIS POINT AND BUSH.	of the	
\square	TELEPHONE OUTLET AND PLATE, 3/4" OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. COMPUTER OUTLET AND PLATE, 3/4"C OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING.	ermission	
▼	COMPUTER OUTLET AND PLATE, 3/4"C OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. MOUNT CENTER LINE UP 4" ABOVE COUNTER/BACKSPLASH.	itten perr	ZANIZARC 29 South President Street
J	SURFACE JUNCTION BOX, SIZE AND MOUNTING HEIGHT AS NOTED.	ess wri	Z esiden
U 고	FLUSH JUNCTION BOX, SIZE AND MOUNTING HEIGHT AS NOTED. JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR 120 VOLT CIRCUITRY.	e expre	Outh Pro
		out th	Z ^{29 So}
\$	SWITCH, SINGLE POLE FLUSH TUMBLER. MOUNT CENTER LINE UP 48", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.	ed without	~
\$3	SWITCH, THREE-WAY FLUSH TUMBLER. MOUNT CENTER LINE UP 48", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.	prohibited	
\$ _T	MANUAL MOTOR SWITCH, SINGLE POLE, FLUSH MOUNTING. MOUNT CENTER LINE UP 48", UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.	<u>.</u>	Schematic Design
	TIME SWITCH, MOUNTED 4'6" ABOVE FLOOR. PHOTO-ELECTRIC CONTROL SENSING CELL, AIM TO NORTH.	eproduction	
PCR	PHOTO-ELECTRIC CELL CONTROL RELAY.	or repr	
	MAGNETIC CONTACTOR, NUMBER OF POLES, AMPS. DUPLEX GROUNDABLE RECEPTACLE, 120 VOLTS, NEMA 5–20R, SEE SPECS. FOR NUMBER OF CAPS	nse	Not for Construction
	(NEMA 5–15P) TO BE FURNISHED, CIRCUIT NUMBER. DUPLEX GROUNDABLE WEATHERPROOF CONVENIENCE OUTLET, 120 VOLTS, NEMA 5–20R, MOUNT IN TYPE FD BOX,	y other	
	GROUND FAULT INTERRUPTER TYPE. DUPLEX GROUNDABLE RECEPTACLE, 120 VOLTS NEMA 5–20R, SEE SPECS. FOR NUMBER OF CAPS	ct. Any	
	(NEMA 5–15P) TO BE FURNISHED, CIRCUIT NUMBER. GROUND FAULT INTERRUPTER TYPE. DUPLEX GROUNDABLE RECEPTACLE, 120 VOLTS NEMA 5–20R, SEE SPECS. FOR NUMBER OF CAPS	c project.	
	(NEMA 5–15P) TO BE FURNISHED, CIRCUIT NUMBER. GROUND FAULT INTERRUPTER TYPE. MOUNT CENTER LINE UP 4" ABOVE COUNTER/BACKSPLASH.	specific	L
⊕₃	DUPLEX GROUNDABLE RECEPTACLE, 120 VOLTS, NEMA 5–20R, SEE SPECS. FOR NUMBER OF CAPS (NEMA 5–15P) TO BE FURNISHED, CIRCUIT NUMBER, MOUNT CENTER LINE UP 4" ABOVE COUNTER/BACKSPLASH.	n this	Ĺ
⊕ ₇	DOUBLE DUPLEX GROUNDABLE RECEPTACLE, 120 VOLTS, NEMA 5–20R, SEE SPECS. FOR NUMBER OF CAPS (NEMA 5–15P) TO BE FURNISHED, CIRCUIT NUMBER.	nse on	AT ~
	FLOOR BOX, LARGE, COMBINATION DATA AND DUPLEX GROUNDABLE RECEPTACLES, FLUSH TYPE PER SPECIFICATIONS.	are for	CKS1 BANK
$\langle 1 \rangle$	POWER CONNECTION SCHEDULE MARK. SEE POWER CONNECTION SCHEDULE. LIGHTING AND SMALL POWER PANEL, SURFACE MOUNTING, 250 VOLT SYSTEM.	Ś	D m
7777	POWER PANEL, SURFACE MOUNTING.	document	LU
FAC	FIRE ALARM SYSTEM CONTROL CABINET, MOUNT CENTER LINE 4'6", ROUTE ALL FIRE ALARM HOME RUNS TO THIS POINT, NUMBER OF ZONES.	These	GL TION
<u>FAR</u> 200*	FIRE ALARM SYSTEM 80 CHARACTER LCD REMOTE ANNUNICATOR WITH ALPHA-NUMERIC DEVICE AND ZONE INDICATION. FLUSH MOUNT WITH CENTER LINE UP 4'6" ABOVE FLOOR.	Note:). RK GLU NATIONAL
(F) ²⁰⁰	FIRE ALARM SYSTEM THERMAL DETECTOR UNIT, MOUNT ON CEILING, 135° RATING UNLESS OTHERWISE NOTED (200'). FIRE ALARM SYSTEM MANUAL STATION, MOUNT CENTER LINE UP 48".		ž 🗸 🗸
Ś	FIRE ALARM SYSTEM SMOKE DETECTOR, PHOTO ELECTRIC TYPE, MOUNT ON CEILING.		PROJECT N
DSDP	TWO (2) FIRE ALARM SYSTEM PHOTO ELECTRIC SMOKE DETECTORS, PLENUM TYPE WITH SAMPLING TUBES AND REMOTE ALARM INDICATOR LIGHTS. MOUNT ONE (1) DETECTOR IN SUPPLY PLENUM AND MOUNT ONE (1) DETECTOR IN RETURN PLENUM, WHERE DIRECTED BY ARCHITECT.		
EK	FIRE ALARM SYSTEM AUDIBLE AND VISUAL ALARM DEVICE, MOUNT CENTER LINE UP 80" ABOVE FINISHED FLOOR OR 6" BELOW CEILING WHICHEVER IS LOWER.		
FL	FIRE ALARM SYSTEM ALARM LIGHT, MOUNT CENTER LINE UP 80" ABOVE FINISHED FLOOR OR 6" BELOW CEILING, WHICHEVER IS LOWER.		
DVR	OUTLET FOR SECURITY SYSTEM DVR, EDGE 360, PROVIDED BY OTHERS.		
KP	OUTLET FOR SECURITY SYSTEM ALARM PANEL PROVIDED BY OTHERS. OUTLET FOR SECURITY SYSTEM KEY PAD PROVIDED BY OTHERS.		-
CR	OUTLET FOR SECURITY SYSTEM CARD READER PROVIDED BY OTHERS.		LEGEND, SCHEDULES,
C↓ ^{360°}	OUTLET FOR SECURITY SYSTEM 360° CAMERA, (AXIS P-37), PROVIDED BY OTHERS.		AND DETAILS
	OUTLET FOR SECURITY SYSTEM CAMERA, (VERNT 4420-M-P/W), PROVIDED BY OTHERS.		
SSL	OUTLET FOR SECURITY SYSTEM STROBE LIGHT PROVIDED BY OTHERS.		
MD KP	OUTLET FOR SECURITY SYSTEM MOTION DETECTOR PROVIDED BY OTHERS. OUTLET FOR SECURITY SYSTEM KEY PAD PROVIDED BY OTHERS.		CCD Project 21030
РВ	OUTLET FOR SECURITY SYSTEM PANIC BUTTON PROVIDED BY OTHERS.		Date Issued
ESV	CONNECTION TO ELECTRONIC SINK VALVE. VERIFY FINAL CONNECTION TYPE WITH MECHANICAL. PROVIDE DUPLEX RECEPTACLES AS REQUIRED. CONCEAL BEHIND MILLWORK PER ARCHITECT.		JUNE 10, 2022 Date Revised
	Schultz & Wynne	ן ך	
	Consulting Electrical Engineers		Drawing No.

Consulting Electrical Engineers A PROFESSIONAL ASSOCIATION 4523 Office Park Drive, Jackson, MS 39206 Post Office Box 16074, Jackson, MS 39236 TEL. 601-982-3313 FAX. 601-982-7685

S/W JOB NO: 222071

E-7



- I. Contours at vertical intervals of five (5) feet or less.
- J. Floodplain designation, according to FEMA Maps.
- K. Landscaped areas and planting screens.
- L. Building lines and the locations of all structures, existing and proposed
- M. Proposed uses of the land and buildings, if known
- N. Open space and recreation areas, where required.
- O. Area in square feet, and/or square acres of parcel
- P. Proposed gross lot coverage in square feet
- Q. Number and type of dwelling units where proposed
- R. Location of sign structures and drawings. (Section 701)
- S. Location of garbage dumpster and enclosure. (Section 406.06)
- T. Any other data necessary to allow for a through evaluation of the proposed use, including a traffic study.

Applicant shall be present at the monthly meeting of the Planning and Zoning Commission when site plan is on the agenda for consideration; additionally, applicant shall be present at the Mayor and Board of Alderman meeting when the site plan is on the agenda for final approval.

Applicant is responsible for complying with all applicable requirements of the Gluckstadt Zoning Ordinance.

Site Plans shall be submitted by the 5:00 pm on the 5th day of the month, immediately preceding the next regular meeting of the Planning and Zoning Commission. <u>No Exceptions.</u>

Once submitted to the Planning & Zoning Administrator for approval to add to the Planning and Zoning Commission's agenda, no amendments or changes shall be made to the site plan. If you wish to submit changes, you will be required to resubmit by the 5th of the following month for the next monthly meeting of the Planning and Zoning Commission.

<u>Attestation:</u> By signing this application, the applicant agrees to all the terms and conditions laid out in this document. <u>Approval of site plan is subject to Board approval.</u>

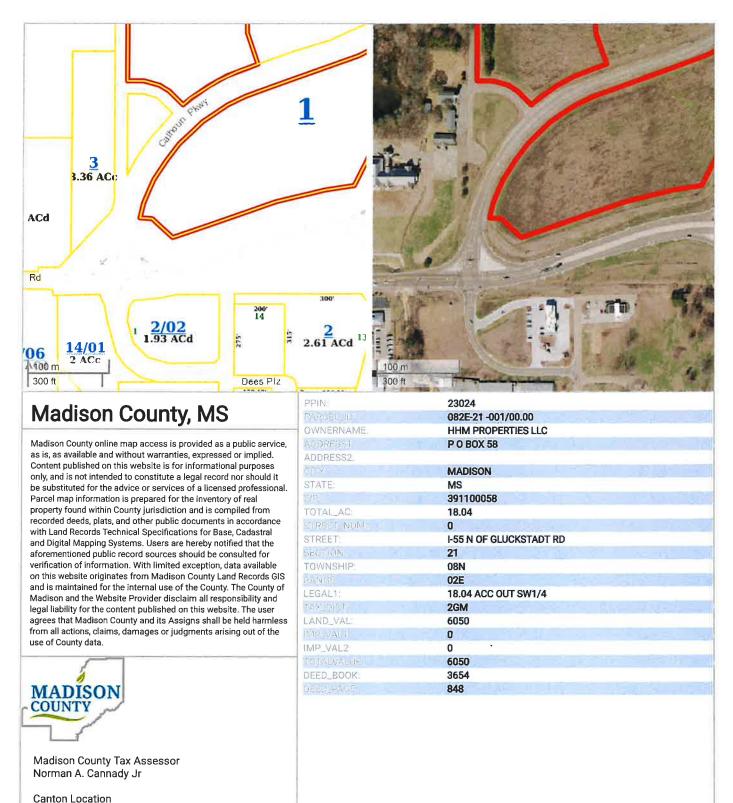
Digitally signed by Barry Collier Date: 2022.07.06 15:26:25-05'00'

July 5, 2022

Applicant Signature

Date

CITY OF GLUCKSTADT BUILDING DEPARTMENT
OFFICE USE ONLY
Date Received: 2/5/22
Application Complete & Approved to Submit to P&Z Board (please check):
Yes No
Signature: Planning & Zoning Administrator (or Authorized Representative)



125 W North St (601) 879-9537 Courthouse Annex PO Box 292 Canton, MS 39046