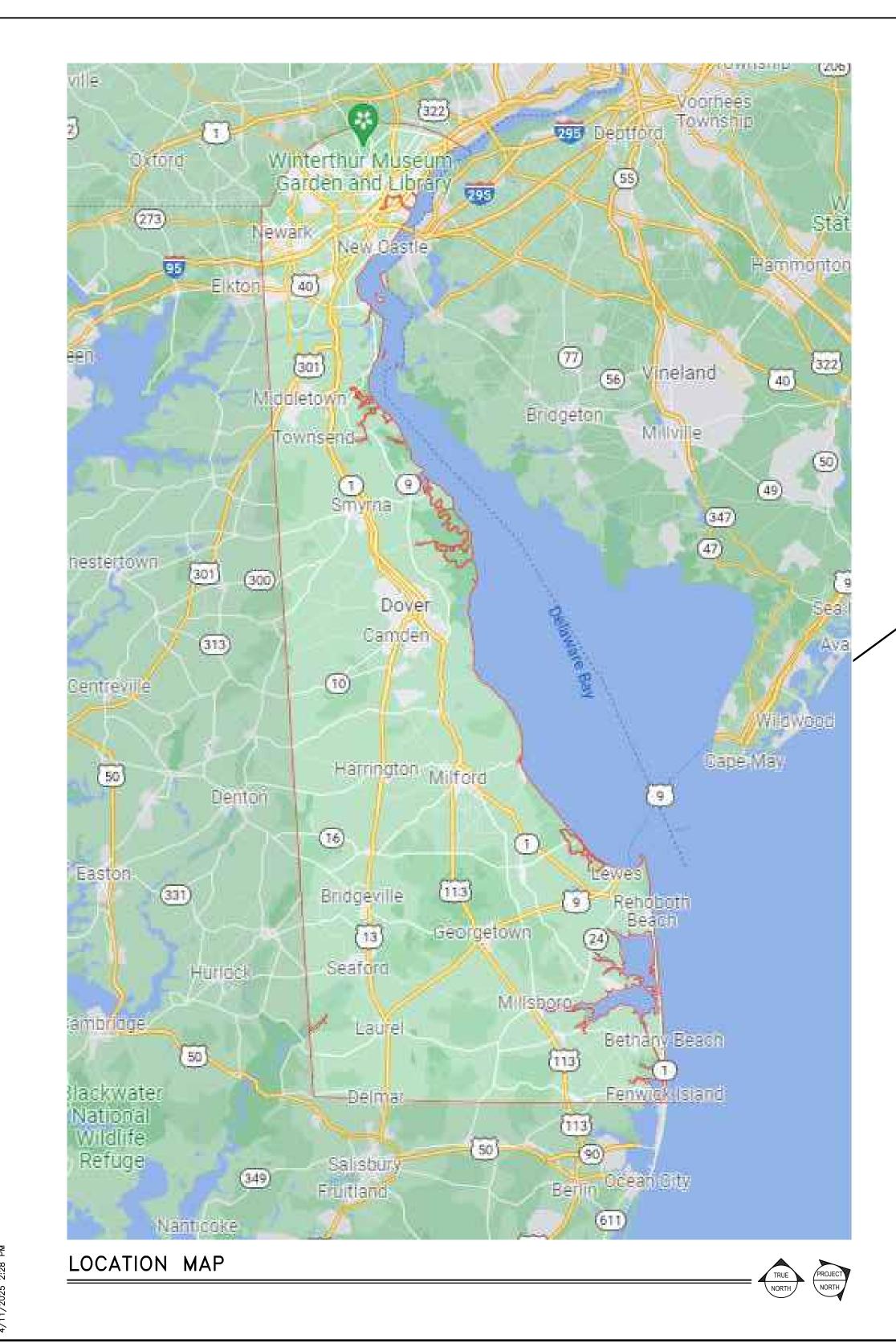
STATE OF DELAWARE **OMB / DIVISION OF FACILITIES MANAGEMENT** MC5511000076

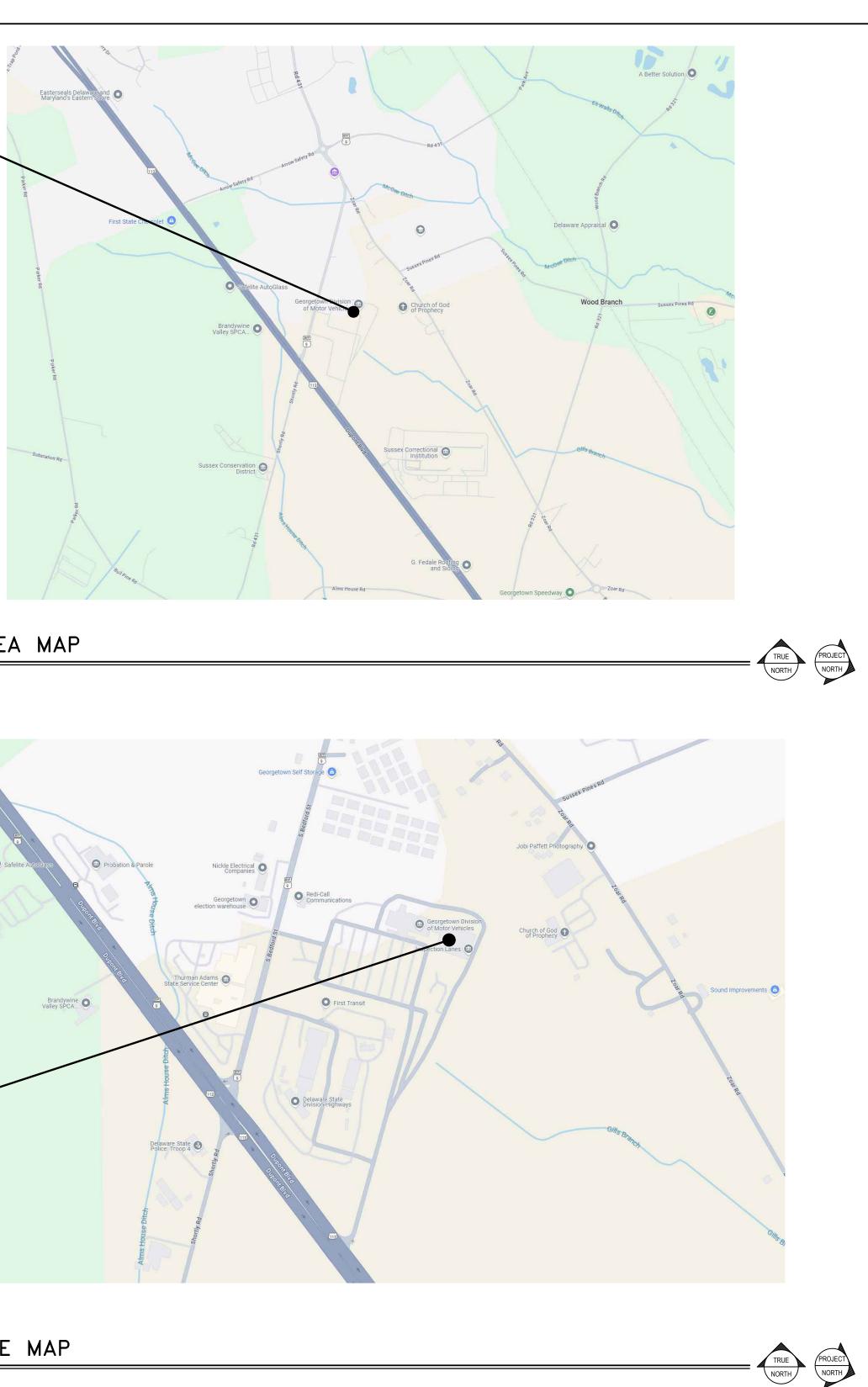
AT GEORGETOWN DIVISION OF MOTOR VEHICLE 23737 DUPONT BOULEVARD GEORGETOWN, DELAWARE 19947



PAY LANE EXPANSION

PROJECT LOCATION MAPS

GEORGETOWN DIVISION OF MOTOR VEHICLE



PROJECT LOCATION GEORGETOWN DIVISION OF MOTOR VEHICLE 23737 DUPONT BOULEVARD GEORGETOWN, DELAWARE 19947



GEORGETOWN DIVISION OF MOTOR VEHICLE

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CODE INFORMATION

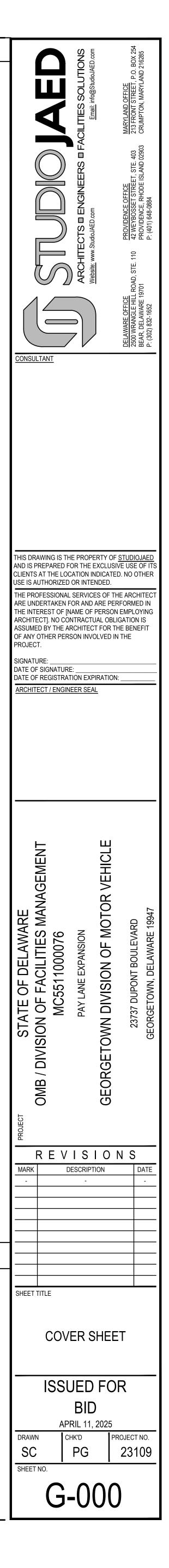
1. APPLICABLE CODES AND STANDARDS INTERNATIONAL BUILDING CODE 2021

INTERNATIONAL PLUMBING CODE 2021 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2018 DELAWARE STATE FIRE PREVENTION REGULATIONS 2021 NFPA 101 - LIFE SAFETY CODE 2021 ASHRAE 90.1 - 2022

ADA STANDARDS FOR ACCESSIBLE DESIGN - 2010 NATIONAL ELECTRICAL CODE, NFPA 70, 2020 ICC/ ANSI A117.1 - 2017

2. PROJECT DATA OWNER: STATE OF DELAWARE

LOCATION: GEORGETOWN DIVISION OF MOTOR VEHICLE ADDRESS: 23737 DUPONT BOULEVARD, GEORGETOWN, DELAWARE 19947 OCCUPANCY CLASSIFICATION: BUSINESS - GROUP B



025 2:28 PM

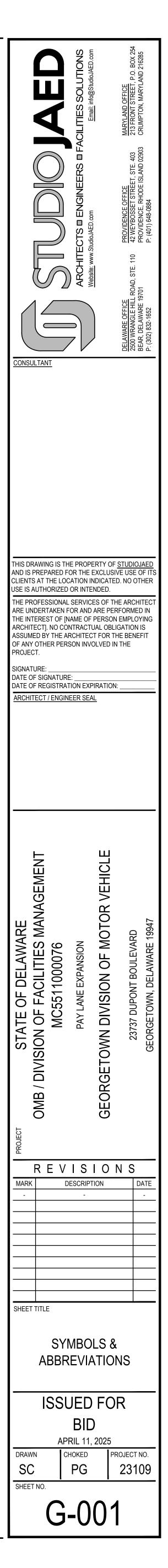
	GENERAL NOTES
1.	THE CONTRACTOR SHALL PROTECT EXIST., IN-PLACE, AND NEW WORK.
2.	THE CONTRACTOR SHALL INVESTIGATE JOB SITE TO COMPARE CONTRACT DOCUMENTS, CONDITIONS, AND VERIFY DIMENSIONS
3.	SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES, OMISSIONS, CONFLICTS, AND/OR ANY RESTRICTIONS RELATED TO THE EXECUTION OF WORK, BEFORE COMMENCEMENT OF WORK. COMMENCEMENT OF WORK SHALL CONSTITUTE ACCEPTANCE OF ALL NEW OR EXIST. CONDITIONS. THE CONTRACTOR SHALL COMPLY AND COORDINATE ALL WORK W/ BUILDING OWNER REGARDING HEAT, WATER, ELECTRICITY, DELIVERIES, ACCESS, ELEVATOR AVAILABILITY, NOISE CONTROL, TRASH AND DEBRIS REMOVAL, HOISTING, AND ANY OTHER UTILITIES OR OWNER'S RULES AND REGULATIONS CONCERNING THE PROJECT SITE.
4.	THE CONTRACTOR SHALL COORDINATE SCHEDULING, PROVISIONS FOR INSTALLATION, LOCATIONS, AND THE ACTUAL INSTALLATION OF ITEMS FURNISHED BY OWNER OR BY OTHERS.
5.	THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND IS RESPONSIBLE FOR ALL PHASES, INCLUDING BIDDING, FABRICATION, COORDINATION, AND CONSTRUCTION. THE DRAWINGS INDICATE THE GENERAL EXTENT OF WORK. THE DRAWINGS ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. REPETITIVE FEATURES NOT NOTED ON THE DRAWINGS SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
6.	MECHANICAL, ELECTRICAL, AND PLUMBING INFO ON THE ARCHITECTURAL DRAWINGS IS PROVIDED FOR CLARITY AND/OR LOCATION PURPOSES ONLY. SEE RELEVANT DISCIPLINE DRAWINGS FOR SPECIFIC INFO.
7.	DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. DIMENSIONS GOVERN.
8.	LARGE SCALE DRAWINGS GOVERN OVER SMALL SCALE DETAILS.
9.	PERFORM ALL WORK AND INSTALL MATERIALS IN STRICT ACCORDANCE TO APPLICABLE INDUSTRY AND MANUFACTURER'S PUBLISHED STANDARDS AND SPECIFICATIONS FOR QUALITY OF MATERIALS AND WORKMANSHIP, AS WELL AS REQUIREMENTS IN THESE DRAWINGS AND SPECIFICATION. ANY CONFLICTING REQUIREMENTS OF THE SOURCES LISTED ABOVE SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO PROCEEDING W/ THE WORK.
10.	MANUFACTURERS ARE REFERENCED TO ESTABLISH STYLE, SIZE, COLOR, AND MATERIAL CHARACTERISTICS, AND ARE NOT INTENDED TO LIMIT SELECTIONS FROM OTHER MANUFACTURERS. WHEN AN ALTERNATE SELECTION IS SUBMITTED, SUBMITTALS SHALL HAVE INCLUDED THE MATERIAL LISTED FOR COMPARISON.
11.	THE CONTRACTOR SHALL EXAMINE ALL SURFACES TO DETERMINE THAT THEY ARE SOUND, DRY, CLEAN AND READY TO RECEIVE FINISHES PRIOR TO INSTALLATION. START OF INSTALLATION SHALL IMPLY ACCEPTANCE OF SUBSTRATE AND SHALL NOT BE GROUNDS FOR CLAIMS AGAINST IMPROPER PERFORMANCE OF INSTALLED MATERIALS. ADVISE ARCHITECT OF ANY EXIST. CONSTRUCTION NOT LEVEL, SMOOTH, AND PLUMB WITHIN INDUSTRY STANDARDS PRIOR TO START OF CONSTRUCTION.
12.	THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL NECESSARY COVERINGS, PROTECTIVE ENCLOSURES, TEMPORARY DOORS, PARTITIONS, AND DUST BARRIERS TO PROTECT ALL OCCUPANTS AND EXIST. WORK AND FINISHES TO REMAIN. LOCATION OF SUCH PROTECTION SHALL BE VERIFIED W/ OWNER AND LOCAL CODE OFFICIAL FOR EGRESS CONFORMANCE, PRIOR TO COMMENCING WORK, AND IN COORDINATION W/ PROGRESSION OF WORK SCHEDULE. PERFORM WORK IN A MANNER THAT WILL AVOID HAZARDS TO PERSONS IN ADJACENT AREAS AND THAT WON'T INTERFERE W/ WORK OR PASSAGE TO ANY OF THESE REPAIR AND REPLACE ANY DAMAGES CAUSED BY IMPROPER PROTECTIONS AT NO ADDITIONAL CHARGE TO THE OWNER.
13.	WORK DAMAGED DURING CONSTRUCTION OR NOT CONFORMING TO SPECIFIED STANDARDS, TOLERANCES, OR MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION SHALL BE REPLACED, BY THE CONTRACTOR, AT NO ADDITIONAL CHARGE TO THE OWNER.
14.	ANY AREA OUTSIDE THE LIMITS OF CONSTRUCTION DISTURBED BY OPERATIONS OF THE CONTRACTOR SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.
15.	THE CONTRACTOR SHALL MAINTAIN ALL EXIST, EXIT LIGHTING, FIRE PROTECTION DEVICES, AND LIFE SAFETY SYSTEMS IN WORKING ORDER. CONTRACTOR TO PROVIDE TEMPORARY FIRE EXTINGUISHERS DURING THE COURSE OF CONSTRUCTION AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.
16.	EXIT DOORS, EGRESS DOORS, AND OTHER DOORS REQUIRED FOR MEANS OF EGRESS SHALL BE OPERABLE FROM THE INSIDE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
17.	DIMENSIONS ARE FROM FACE OF MASONRY OR FACE OF METAL FRAMING, TYPICAL UNLESS NOTED OTHERWISE. MASONRY DIMENSIONS ARE NOMINAL.
18.	UNLESS NOTED OTHERWISE, ALL ROUGH (RO) OPENINGS FOR DOORS IN STUD WALLS, NOT LOCATED BY DIMENSIONS ON PLANS OR IN DETAILS, SHALL BE 4" AWAY FROM FRAMING TO ADJACENT PERPENDICULAR WALL, FACE OF STUD.
19.	ROOM AND DOOR NUMBERS SHOWN ON DRAWINGS ARE FOR CONSTRUCTION PURPOSES ONLY.
20.	ALL CONCEALED WOOD FRAMING, AND PLYWOOD SHEATHING SHALL BE FIRE RETARDANT TREATED (FRT). ALL WOOD BLOCKING IN FIRE RATED ASSEMBLIES TO BE FIRE RETARDANT.
21.	NON FRT BLOCKING, NAILERS, AND FURRING MAY BE USED WHERE INSTALLED IN ACCORDANCE W/ IBC SECTION 718, INCLUDING DIMENSIONAL WOOD BLOCKING, FIRE BLOCKING, REQUIREMENTS, ETC. WOOD BLOCKING INSTALLED IN ACCORDANCE W/ IBC SECTION 603 FOR HANDRAILS, MILLWORK, CABINETS, WINDOWS, AND DOORS, IS NOT REQUIRED TO BE FRT.
22.	PROVIDE WATER-RESISTANT GYPSUM BOARD ON WALLS W/ OPERABLE PLUMBING FIXTURES, AND WITHIN 4'-0" OF DRINKING FOUNTAINS OR WATER COOLERS.
23.	PROVIDE ACCESS PANELS AS REQUIRED BY APPLICABLE CODES AS REQUIRED FOR MECHANICAL EQUIPMENT AND PLUMBING WORK. ALL ACCESS PANEL LOCATIONS SHALL BE REVIEWED W/ THE ARCHITECT OR ARCHITECT'S REPRESENTATIVE PRIOR TO PROCEEDING.
24. 25.	ALL INSULATION EXPOSED TO CEILING PLENUM IS TO BE FIRE AND DUST PROOF.
	METALS MEET, PAINT FACE OF ONE W/ BITUMINOUS PROVIDE SEALANT BETWEEN DISSIMILAR MATERIALS, SUCH AS GYPSUM BOARD AND MASONRY, MASONRY AND CONCRETE, COUNTERTOPS AND WALLS, ETC.
26.	PROVIDE SEALANT BETWEEN HOLLOW METAL FRAME PERIMETERS AND SURROUNDING WALL CONSTRUCTION, UNLESS NOTED OTHERWISE.
27.	ALL PENETRATIONS THROUGH GYPSUM BOARD AND MASONRY SURFACES, INCLUDING BUT NOT LIMITED TO WINDOWS, DOORS, LOUVERS, VENTS, EXHAUST FANS, PIPE PENETRATIONS, CONDUIT, DUCTWORK, GRILLES, REGISTERS, DEVICE BOXES, HANGER RODS, ETC. SHALL HAVE THEIR COMMON JOINTS W/ GYPSUM BOARD AND/OR MASONRY CAULKED. ALL PENETRATIONS SHALL BE SEALED AROUND THE ENTIRE PERIMETER W/ SEALANT (BOTH ON EXTERIOR AND INTERIOR SIDES).
28.	UNLESS OTHERWISE NOTED, ALL GYPSUM WALL BOARD IS TO RECEIVE ONE PRIMER COAT AND TWO COATS OF PAINT AS PER SPECIFICATION 09 90 00.
29.	IN ALL INSTANCES WHERE WORK IS BEING CORRECTED OR REPAIRED, CONTRACTOR IS TO REPAINT ENTIRE WALL TO NEAREST CORNER OR BREAK LINE WHERE WALL CHANGES DIRECTION.
30.	CONTRACTOR SHALL REMOVE ANY STRAY PAINT, DIRT, OR STAINS INCURRED DURING THE CONSTRUCTION PROCESS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TEMPORARY EQUIPMENT COVERINGS USED DURING CONSTRUCTION, AND SHALL ALSO BE RESPONSIBLE FOR REMOVING THEIR TRASH OFF OF THE JOB SITE DAILY.
31.	PROVIDE FINISHED END PANELS, FILLERS, SUPPORTS, ETC. REQUIRED FOR A COMPLETE CABINETRY INSTALLATION. PROVIDE CUTOUTS, ACCESS PANELS, AND REMOVABLE COMPONENTS AS REQUIRED BY NEW OR EXIST. CONDITIONS, SUCH AS ELECTRICAL OUTLETS, JUNCTION BOXES, CLEANOUTS, ETC.
32.	CONTRACTOR TO VERIFY MOUNTING HEIGHTS OF ACCESSORIES, EQUIPMENT, DOOR HARDWARE, CASEWORK, SWITCHES, AND OUTLETS ALONG WALLS OR AT MILLWORK, COUNTERS, SHELVING SINKS, ETC. WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT ITEMS IN ACCORDANCE W/ RECOGNIZED INDUSTRY STANDARDS, COORDINATE LOCATIONS W/ MANUFACTURER OR SUPPLIER, AND REFER MOUNTING HEIGHT QUESTIONS TO ARCHITECT FOR INTERPRETATION.
33.	2x6 CONTINUOUS WOOD BLOCKING SHALL BE PROVIDED AT GYPSUM BOARD PARTITIONS FOR ALL CABINET WORK AT TOP AND BOTTOM OF WALL MOUNTED UNITS AND UNDER COUNTER TOP LEVEL OF BASE CABINET. ALL OPEN FACE SHELVING UNITS SHALL HAVE CONCEALED ANCHOR BRACKETS. METAL STRAPPING MAY BE USED FOR BLOCKING AT BASE CABINETS.
34.	FIRE EXTINGUISHER CABINETS TO BE MOUNTED AT 4'-0" A.F.F. TO TOP, MAXIMUM, AS PER ACCESSIBILITY REQUIREMENTS. FIRE EXTINGUISHERS W/ GROSS WEIGHT OVER 40LBS MUST BE MOUNTED AT 3'-6" MAX.
35.	CONTRACTOR SHALL COMPLY W/ MANUFACTURER'S INSTRUCTIONS WHEN RELOCATING AND/OR INSTALLING ANY EQUIPMENT AND FURNISHINGS.
I I	

ABBREVIATIONS

_		_				_	
&	AND ANGLE	E.	EAST	LIN.		S. SACT.	
L Ø	ANGLE	(E) EA.	EXISTING EACH	L.O.C. LOC.	LIMITS OF CONTRACT LOCATION	SACT.	SUSPENDED ACOUSTICAL CEILING TILE
@ G	CENTERLINE	E.F.	EXHAUST FAN	L.P.	LOW POINT	S.C.	SOLID CORE
Ø	DIAMETER OR ROUND	E.J.	EXPANSION JOINT	LT.	LIGHT	S.C.D.	SEAT COVER DISP.
d	PENNEY	ELEC. ELEV.	ELECTRICAL ELEVATION			SCHED. SD.	SCHEDULE STORM DRAIN
\perp	PERPENDICULAR	ELVR.	ELEVATOR	MAS.	MASONRY	S.D.	SOAP DISPENSER
PL "		EMER.	EMERGENCY	MAX M.B.	MAXIMUM MACHINE BOLT	SECT.	SECTION
#	POUND OR NUMBER	ENCL. EQ.	ENCLOSURE EQUAL	M.C.	MECHANICAL CONTRACTOR	SGFT	STRUCTURALLY GLAZED FINISH TILE
		EQUIP.	EQUIPMENT	MECH.	MECHANICAL	SH.	SHELF
A.B. A.C.	ANCHOR BOLT ASPHALTIC CONCRETE	E.W.	EACH WAY	MEMB. MFG.	MEMBRANE MANUFACTURED	SHR.	SHOWER
A/C	AIR CONDITION	EXIST. EXPO.	EXISTING EXPOSED	MFG. MFR.	MANUFACTURER	SHT. SHTG.	SHEET SHEATHING
ACOUS.	ACOUSTICAL	EXP.	EXPANSION	MH.	MANHOLE	SIM.	SIMILAR
ACT ACCESS.	ACOUSTICAL CEILING TILE ACCESSORIES	EXT.	EXTERIOR	MIN.	MINIMUM MIRROR	S.N.D.	SANITARY NAPKIN
ADJ.	ADJACENT	ETR	EXISTING TO REMAIN	MIR. MISC.	MISCELLANEOUS	S.N.R.	DISPENSER SANITARY NAPKIN
AFF	ABOVE FINISHED FLOOR			MK-B	MARKER BOARD	5.N.N.	RECEPTACLE
AGGR. ALT.	AGGREGATE ALTERNATE	(F)		M.O.	MASONRY OPENING	S & P	SHELF & POLE
ALUM.	ALUMINUM	F.B.O F.D.	FURNISHED BY OTHERS FLOOR DRAIN	MOD. M.R.	MODULAR MOISTURE RESISTANT	SPEC.	SPECIFICATION SQUARE
ANDD.	ANODIZED	FDN.	FOUNDATION	MTD.	MOUNTED	SQ. SST.	SQUARE STAINLESS STEEL
APPROX.	APPROXIMATE	F.E.	FIRE EXTINGUISHER	MTL	METAL	S.SK.	SERVICE SINK
ARCH. AWS	ARCHITECTURAL AMERICAN WELDING SOCIETY	F.E.C. FG	FIRE EXISTING CAB. FIBERGLASS	MULL.	MULLION	STA.	STATION
		FG F.H.	FIBERGLASS FIRE HYDRANT			STD. STL.	STANDARD STEEL
B.B	BOTTOM OF BEAM	F.H.C.	FIRE HOSE CAB.	NI		STOR.	STEL
BD	BOARD	FIN.	FINISH	N. N/A	NORTH NOT APPLICABLE	STRL.	STRUCTURAL
BITUM.	BITUMINOUS	F.L. FLR.	FLOW LINE FLOOR	N.I.C.	NOT IN CONTRACT	SUSP.	SUSPENDED
B.J. BLDG.	BOTTOM OF JOIST BUILDING	FLASH.	FLASHING	NO. OR #	NUMBER	SYM. S.W.	SYMMETRICAL SIDEWALK
BLDG. BLK.	BLOCK	FLUOR.	FLUORESCENT	NOM. N.R.C.	NOMINAL NOISE REDUCTION		
BLKG.	BLOCKING	F.O.C. F.O.M.	FACE OF CONCRETE FACE OF MASONRY	N.N.U.	COEFFIC.	T.B.	TOP OF BEAM
BM.	BEAM	F.O.M. F.O.S.	FACE OF MASONRY FACE OF STUDS	N.S.	NEAR SIDE	т.в. Т/В	TOWEL BAR
BTM.	BOTTOM	FPL	FIREPLACE	N.T.S.	NOT TO SCALE	T. & B.	TOP AND BOTTOM
CAB.	CABINET	FPRF.	FIREPROOF	O/	OVER	T.C.	
CAB. CATV	CABLE TELEVISION	F.S. FRMG.	FAR SIDE FRAMING	O.A.	OVER-ALL	TEL. TEMP.	TELEPHONE TEMPERED
CK-B	CHALK BOARD	FT.	FOOT OR FEET	OBS.	OBSCURE ON CENTER	TER.	TERRAZZO
C.B.	CATCH BASIN CEMENT	FTG.	FOOTING	0.C. 0.D.	ON CENTER OUTSIDE DIAMETER	T & G	TONGUE & GROOVE
CEM. CER.	CEMENT	FURR. F.W.S.	FURRING FINISHED WALL SURFACE	OFF.	OFFICE	THK. T.J.	THICK TOOL JOINT
CHAM.	CHAMFER	F.W.S. FRP	FIBERGLASS REINFORCED	O.H.	OVERHEAD	T.J. TK-B	TACK BOARD
CFMF	COLD FORM METAL FRAMING		PLASTIC PANEL	opng. Opp.	OPENING OPPOSITE	TK-S	TACK STRIP
C.I. C.J.	CAST IRON CONTROL JOINT	GA.	GAUGE	OPP. OPP. HND.	OPPOSITE HAND	T.L.	
C.J. C.L.	CENTER LINE	GA. GALV.	GAUGE GALVANIZED	O.T.S.	OPEN TO STRUCTURE	T.O.F. T.O.S.	TOP OF FOOTING TOP OF STEEL
CLG.	CEILING	G.B.	GRAB BAR			T.P.	TOP OF PAVEMENT
CLKG.		G.D.	GARBAGE DISPOSAL	PART.	PARTITION	T.P.D.	TOILET PAPER DISP
CLO. CLR.	CLOSET CLEAR	GL. GLB.	GLASS GLU-LAM BEAM	P.C.	PORTLAND CEMENT	TRD. T.S.	TREAD TOP OF SHEATHING
CMU	CONCRETE MASONRY UNIT	GND.	GROUND	PED. PERP.	PEDESTAL PERPENDICULAR	TSL	TOP OF SLAB
CNTR.	COUNTER	GR.	GRADE	PERP. P.H.	PERPENDICULAR PANIC HARDWARE	TST	TOP OF STEEL
C.O.	CLEAN OUT COLUMN	GYP.	GYPSUM	P.L.	PROPERTY LINE	T.V. T.W	
COL. CONC.	CONCRETE			PL.		T.W. TYP	TOP OF WALL TYPICAL
CONN.	CONNECTION	Н. Н.В.	HIGH HOSE BIBB	P/LAM. PLAS.	PLASTIC LAMINATE PLASTER		· · · · · · · · ·
CONSTR.		HDCP	HANDICAPPED	PLMBG.	PLUMBING	U.G.	UNDERGROUND
CONT. CORR.	CONTINUOUS CORRIDOR/CORRUGATED	H.C.	HOLLOW CORE	P.P.	POWER POLE	UNF.	UNFINISHED
COORD.	COORDINATE	H.D. HDG	HOLD-DOWN HOT DIPPED GALVANIZED	PR. PROP.	PAIR PROPOSED	U.N.O.	UNLESS NOTED
CPT.	CARPET	HDG HDR.	HOT DIPPED GALVANIZED HEADER	PROP. PRCST.	PROPOSED PRECAST	UR.	OTHERWISE URINAL
C.T. CPU	CERAMIC TILE CENTRAL PROCESSING UNIT	HDWD.	HARDWOOD	PRT. BRD.	PARTICLE BOARD	UN.	UNINAL
CPU C.R.	CLASSROOM	HDWR.		Р	PAINT	VCT	VINYL COMPOSITION
CRT	CATHODE RAY TUBE	H.I.D. H.M.	HIGH INTENSITY DISCHARGE HOLLOW METAL	P.T. P.T.D.	PRESSURE TREATED PAPER TOWEL DISP.	VUI	TILE
CTR.		HORIZ.	HORIZONTAL	P.T.D./R	COMBINATION PAPER	VB	VAPOR BARRIER
CTSK. CU	COUNTERSUNK CUBIC	H.P.	HIGH POINT		TOWEL DISPENSER	VERT.	
C.W.	COLD WATER	HR H.R.	HOUR HANDRAIL	P.T.R.	AND RECEPTACLE PAPER TOWEL	VEST. V.F.	VESTIBULE VINYL FABRIC
		н.к. HT.	HANDRAIL HEIGHT	r . r .t .tX.	RECEPTACLE	V.G.	VERTICAL GRAIN
D.	DEPTH	H.W.	HOT WATER	PVC	POLYVINYL CHLORIDE	VIF	
DBL.	DOUBLE			P.W.		VNR	VENEER
D.D.	DOOR DIMENSION	I.D.	INSIDE DIAMETER	PWR.	POWER		
DEPT. DET.		INCAN.	INCANDESCENT	Q.T.	QUARRY TILE	W.	WEST, WIDTH, WIDE
DET. D.F.	DETAIL DOUGLAS FIR	INCL. INSUL.	INCLUDE INSULATION	حد. ۱ .		W/	WITH
DIA.	DIAMETER	INSOL. INT.	INTERIOR	R.	RISER	W.C.	WATER CLOSET
DIAG.				R.A.	ROOF AREA	WCV WD	WALL COVERING WOOD
DIM. DISP.	DIMENSION DISPENSER	JAN.	JANITOR	R.A.C.	RUN ABOVE CEILING	WD WG.	WOOD WIRE GLASS
DISP. DMT.	DEMOUNTABLE	JAN. JST.	JOIST	R.B.F.	RUN BELOW FLOOR	W.H.	WATER HEATER
DN.	DOWN	JT.	JOINT	RAD. R.D.	RADIUS ROOF DRAIN	W/O	WITHOUT
D.O. DR.	DOOR OPENING			REF.	REFERENCE	WP. WSCT.	WATERPROOF WAINSCOT
DR. DS.	DOOR DOWN SPOUT			REFR.	REFRIGERATOR	WSCT. WT.	WEIGHT
D.S.P.	DRY STANDPIPE	KIT.	KITCHEN	REINF. REQ'D	REINFORCED REQUIRED	WWF	WELDED WIRE FABRIC
D.W.	DISH WASHER	NH.		REQID RESIL	RESILIENT		
DWG. DWR.	DRAWING DRAWER			R.I.W.	RUN IN WALL	Y.D.	YARD DRAIN
UTITA.		L.	LONG OR LENGTH	RM.	ROOM	YD.	YARD
		LAB.	LABORATORY	R.O. RO.S.	ROUGH OPENING ROUGH SAWN		
		LAM LAV	LAMINATE LAVATORY	R.O.W.	RIGHT OF WAY		
		LAV L.B.	LAVATORY LAG BOLT	R.S.	RESAWN		
				R.W.	REDWOOD		

SYMBOLS

	SYMBO	LS	
(001)	INDICATED WINDOW, STOREFRONT, OR HM FRAME TYPE - SEE A-400 FOR MORE INFORMATION	\longrightarrow	WALL TYPE TAG
D-02	KEY NOTE TAG. SEE KEY NOTE INSTRUCTIONS / NARRATIVE FOR MORE INFORMATION	A DR01	WINDOW IDENTIFICATION TAG
3 	ENLARGED DETAIL (3) SHEET WHERE DRAWN (A-500)		ELEVATION LEVEL MARKER
	EXISTING WALL TO REMAIN	ROOM	ROOM NAME ROOM NUMBER
	NEW WALL CONSTRUCTION (SEE WALL TYPE FOR CONSTRUCTION MATERIAL'S)		
	WALL DEMOLITION		
	REVISION		
1 A-501	ELEVATION IDENTIFICATION (1) WALL SECTION (A-501)		
1 A-401	SHEET WHERE DRAWN (1) SHEET WHERE DRAWN (A-401)		
	DENOTES PLAN DETAIL (DETAIL #1/SHEET A-102)		



ADDRESS:	23737 DUPONT BLVD GEORGETOWN, DE 19947
OWNER/DEVELOPER:	STATE OF DELAWARE OMB / DIVISION OF FACILITIES MANAGEMENT HASLET ARMORY 122 MARTIN LUTHER KING JR. BLVD. DOVER, DE 19901 302-739-5644
ENGINEER:	SITE STUDIOS, INC. P.O. BOX 682 NORTH EAST, MD 21901 CONTACT: JON SABATINO, PE JSABATINO@SITESTUDIOSINC.COM
DATUM:	DELAWARE COORDINATE SYSTEM (NAD83/NA2001 EPOCH 2010) & NAVD88 FOR VERTICAL
BENCHMARK:	IRON REBAR AND CAP N: 242930.53 E: 667837.96 ELEV: 46.77 LAT: N 38.6670535° LONG: W - 075.3757958°
TAX PARCEL:	135-23.00-19.00
DEED REFERENCE:	E/RT 113 S/RT 431
ZONING:	AR-1 AGRICULTURAL RESIDENTIAL
EXIST/ PROP USE:	DEPARTMENT OF MOTOR VEHICLES OFFICE
ACREAGE:	433.3 ± AC
MIN LOT AREA:	32,670 SF / 0.75 AC
MIN WIDTH:	100 FT
MIN DEPTH:	100 FT
SETBACKS:	FRONT YARD: 25 SIDE YARD: 10 FT BACK YARD: 10 FT
FRONTAGE ROAD:	DUPONT BLVD
MAX HEIGHT:	42 FT
AVERAGE SLOPES:	<2%
WETLAND AREA:	0.9 AC IN PROXIMITY OF WORK AREA
WATER SERVICE:	TOWN OF GEORGETOWN
SEWER SERVICE:	TOWN OF GEORGETOWN
ELECTRIC SERVICE:	DELMARVA
EXIST IMPERV AREA:	1,590 SF (IN LOD)
PROP IMPERV AREA:	2,586 SF (IN LOD)
LIMIT OF DIST:	2,958 SF
PROPOSED PARKING:	NO CHANGE IN PARKING OR BUILDING IS PROPOSED
SOILS PER WEB SOIL	SURVEY:
HuA HURLOCK LOAM MmA MULLICA MUCKY	
NOTES:	
	THIS PLAN IS TO FACILITATE CONSTRUCTION OF TWO ADDITIONAL PAY LANES ADJACENT TO NES AT THE GEORGETOWN DMV.
	E ELEVATIONS SHOWN ARE CORRECT AS OF THE DATE OF THE ASSOCIATED FIELD SURVEY PRECISION SURVEY AND MAPPING LLC IN JANUARY, 2024. A BOUNDARY SURVEY WAS NOT
GROUND LEVEL. I UTILITY COMPANI UTILITY LOCATION	LITIES SHOWN ARE APPROXIMATE AND BASED ON VISUALLY OBSERVED EVIDENCE AT T SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO TEST PIT AND CONFER WITH THE ES INVOLVED IN ORDER TO SECURE THE MOST ACCURATE INFORMATION AVAILABLE AS TO N. NO CONSTRUCTION AROUND OR ADJACENT TO UTILITIES SHALL BE DONE WITHOUT FIRST FILITY" (1-800-282-8555) 72 HOURS PRIOR TO EXCAVATION TO HAVE UNDERGROUND UTILITIES ARKED.

(SD)

⇒⊘⊱

4. CONTRACTOR SHALL PROTECT EXISTING UTILITIES TO REMAIN AND ENSURE UNINTERRUPTED SERVICE. ANY DAMAGE SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

- 5. PER FEMA FLOOD INSURANCE RATE MAP NUMBERS 10005C0300L, EFFECTIVE 06/20/2018 AND 10005C0325L, EFFECTIVE 06/20/2018, THE PROJECT SITE IS LOCATED IN FLOOD ZONE X - AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE (500-YEAR) FLOOD PLAIN.
- 6. PER THE NATIONAL WETLAND INVENTORY THERE ARE NO WETLANDS IN THE LIMIT OF DISTURBANCE. THERE ARE WETLANDS ON THE PARCEL. VERIFIED 01/08/2024.
- THIS PROJECT IS INTENDED TO REMAIN UNDER 5,000 SF OF DISTURBANCE. CONTRACTOR SHALL ENSURE DISTURBANCE DOES NOT EXCEED 5,000 SF AT ANY TIME DURING CONSTRUCTION. IF IT IS DETERMINED THAT THE WORK AREA MUST EXPAND, APPROPRIATE PERMITTING THROUGH THE DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL WILL BE REQUIRED.
- 8. ALL FIRE LANES, HYDRANTS, EXITS, STANDPIPE AND SPRINKLER CONNECTIONS SHALL BE MARKED IN ACCORDANCE WITH DELAWARE STATE FIRE PREVENTION REGULATIONS, PART V, CHAPTER 5.
- 9. TRAFFIC CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION IN CONFORMANCE WITH THE CURRENT VERSION OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND MAINTENANCE OPERATIONS.
- 10. DELAWARE REGULATIONS PROHIBIT THE BURIAL OF CONSTRUCTION DEMOLITION DEBRIS, INCLUDING TREES AND STUMPS ON CONSTRUCTION SITES. ANY SOLID WASTE FOUND DURING EXCAVATION MUST BE REMOVED AND PROPERLY DISCARDED.

OFFICE OF MANAGEMENT AND BUDGET DEPARTMENT OF FACILITIES MANGAMENT **DMV GEORGETOWN PAY LANES**

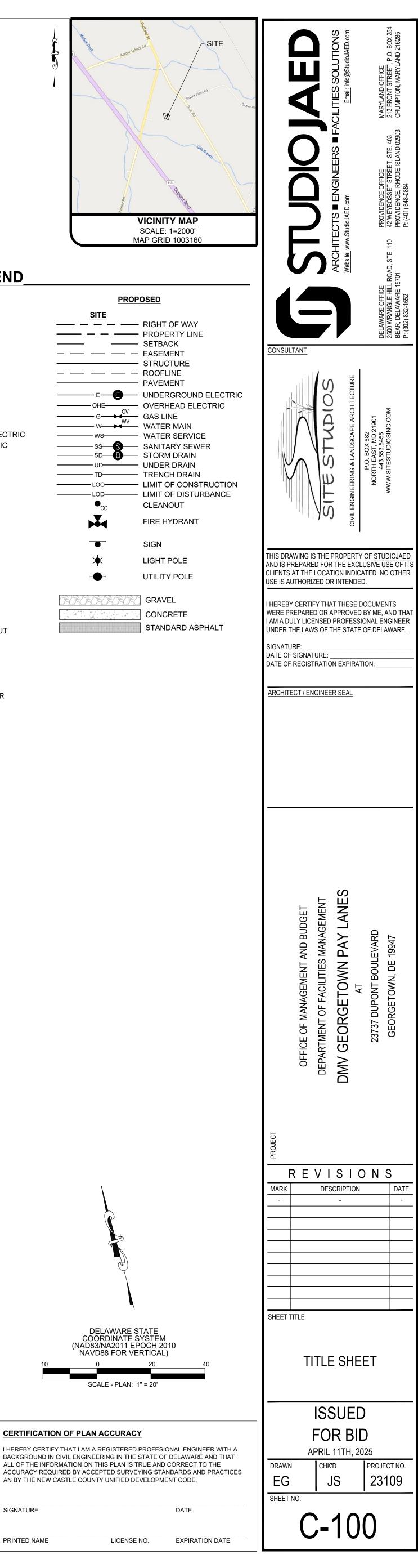
AT THE 23737 DUPONT Blvd GEORGETOWN, DE 19947

— FM——

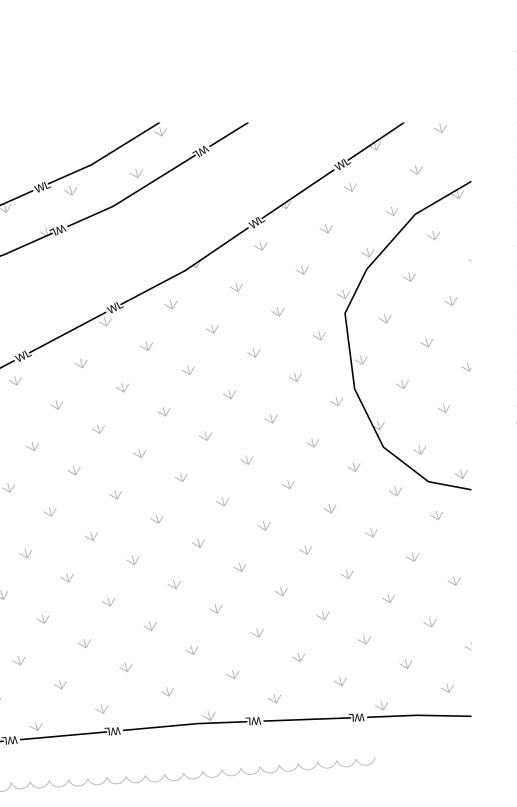
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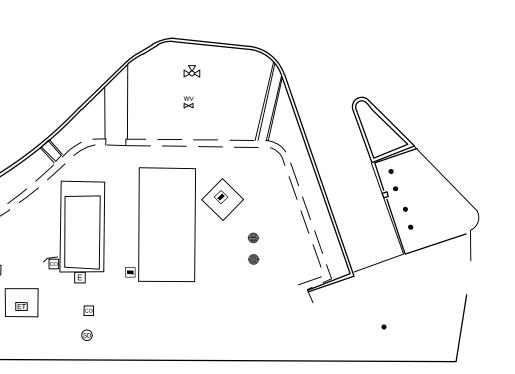
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RV



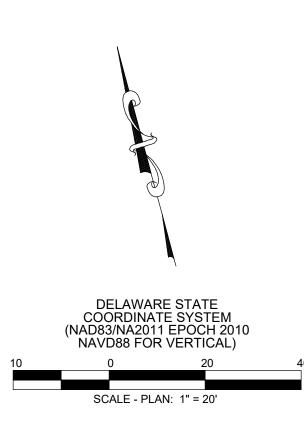
CIVIL SYMBOLS LEGEND



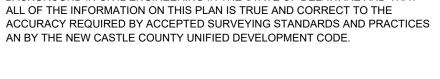


SITE EXIS	TING
C = C = C = C = C = C = C = C = C = C =	ASPHALT CONCRETE
	FIRE HYDRANT
	SIGN
-Q-	LIGHT POLE
	UTILITY POLE
<u> </u>	GUY WIRE
CO	SANITARY CLEAN OUT
	HAND HOLE
E	ELEC. CONDUIT
E	ELECTRIC BOX
ET	ELECTRIC TRANSFORMER
\diamond	ELECTRIC METER
Ø	SPRINKLER HEAD
WM	WATER METER
(U)	UNKNOWN MANHOLE
IRV	IRRIGATION VALVE
_	STOP BAR
\boxtimes	WOOD POST
	UTILITY VAULT
	GRAVEL
	CONCRETE
ψ ψ ψ ψ ψ	WETLAND

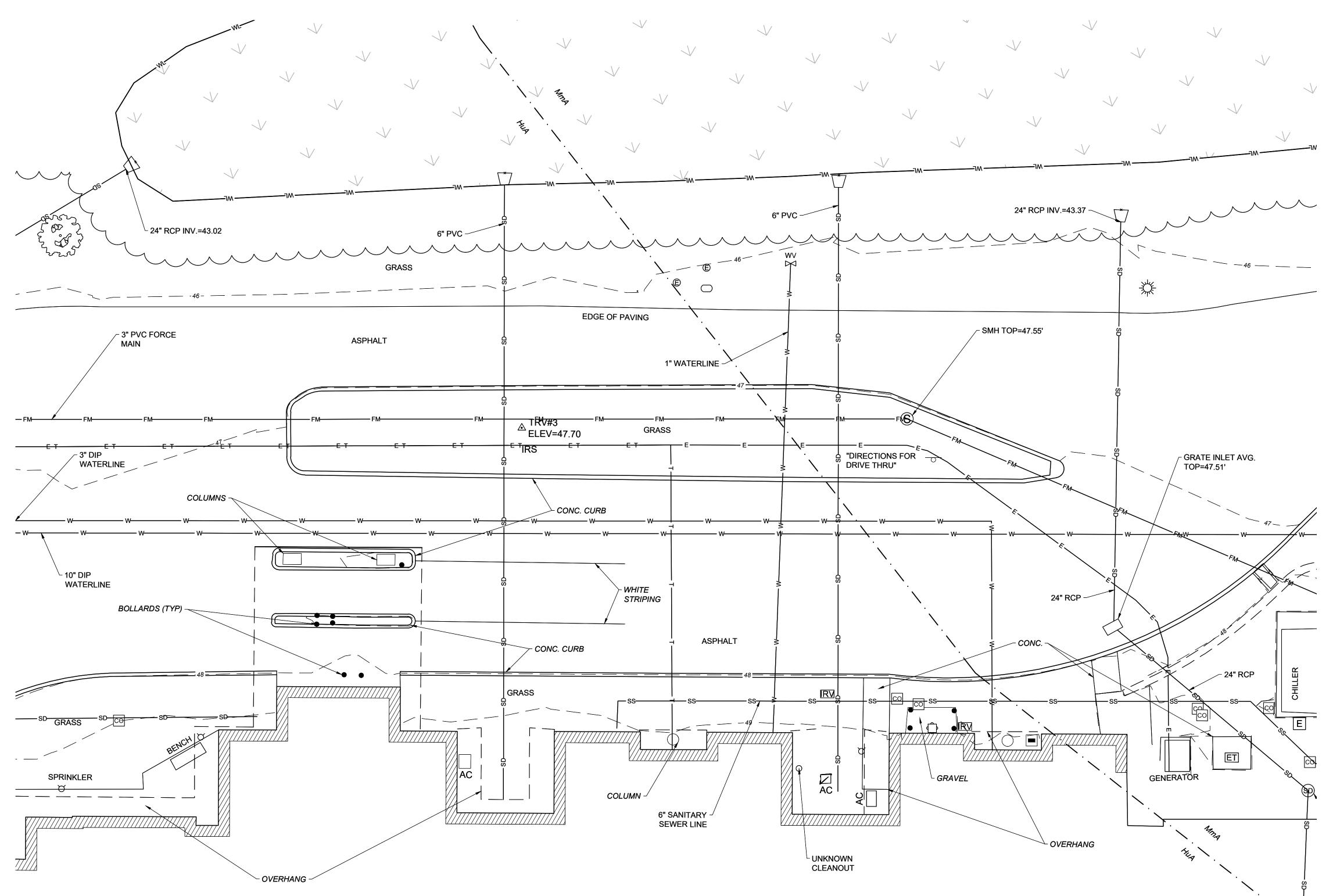
PROPO	DSED
E = 0 $G = 0$ WV WS $SS = 0$ $SD = 0$ UD UD TD LOC LOC CO	RIGHT OF WA PROPERTY LI SETBACK EASEMENT STRUCTURE ROOFLINE PAVEMENT UNDERGROU OVERHEAD E GAS LINE WATER MAIN WATER SERV SANITARY SE STORM DRAII UNDER DRAII UNDER DRAII TRENCH DRA LIMIT OF CON LIMIT OF DIST CLEANOUT
	SIGN
	LIGHT POLE UTILITY POLE
	GRAVEL CONCRETE STANDARD A

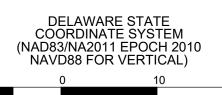


CERTIFICATION OF OWNERSHIP		CERTIFIC
I HEREBY CERTIFY THAT I AM THE OWNEF SUBJECT OF THIS PLAN AND THAT THE LA PLAN IS MADE AT MY DIRECTION AND THA RECORDED IN ACCORDANCE WITH THE R	ND USE ACTION PROPOSED BY THIS T I AUTHORIZE THIS PLAN TO BE	I HEREBY CE BACKGROUI ALL OF THE ACCURACY AN BY THE N
SIGNATURE	DATE	SIGNATURE
PRINTED NAME		PRINTED NA

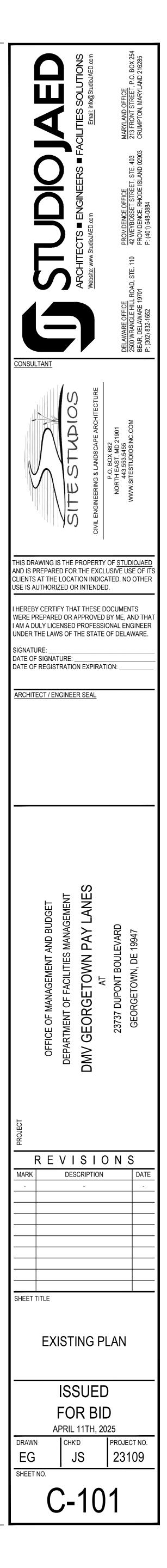


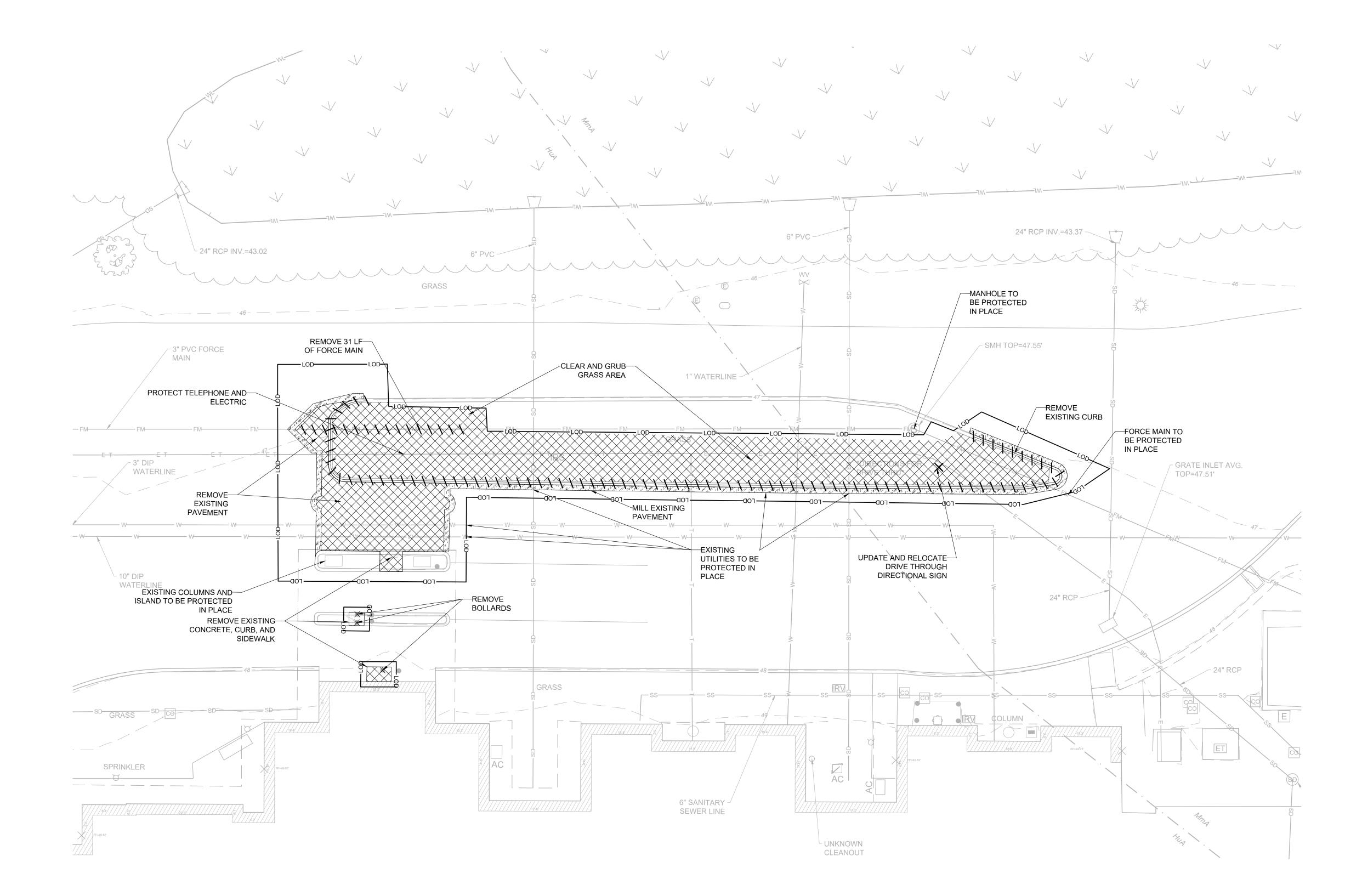
PRINTED NAME





SCALE - PLAN: 1" = 10'





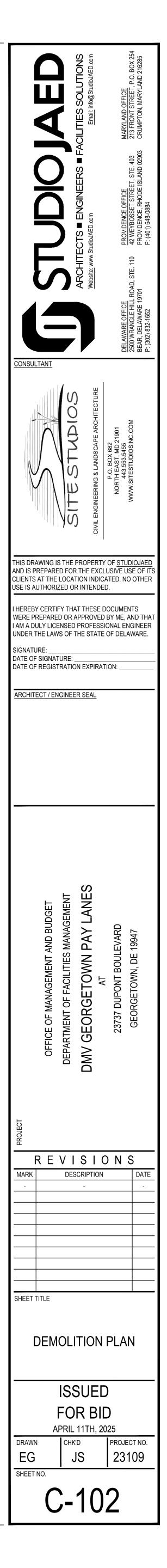
DEMO LEGEND

- DEMO / / / / / DEMO LINEAR FEATURE

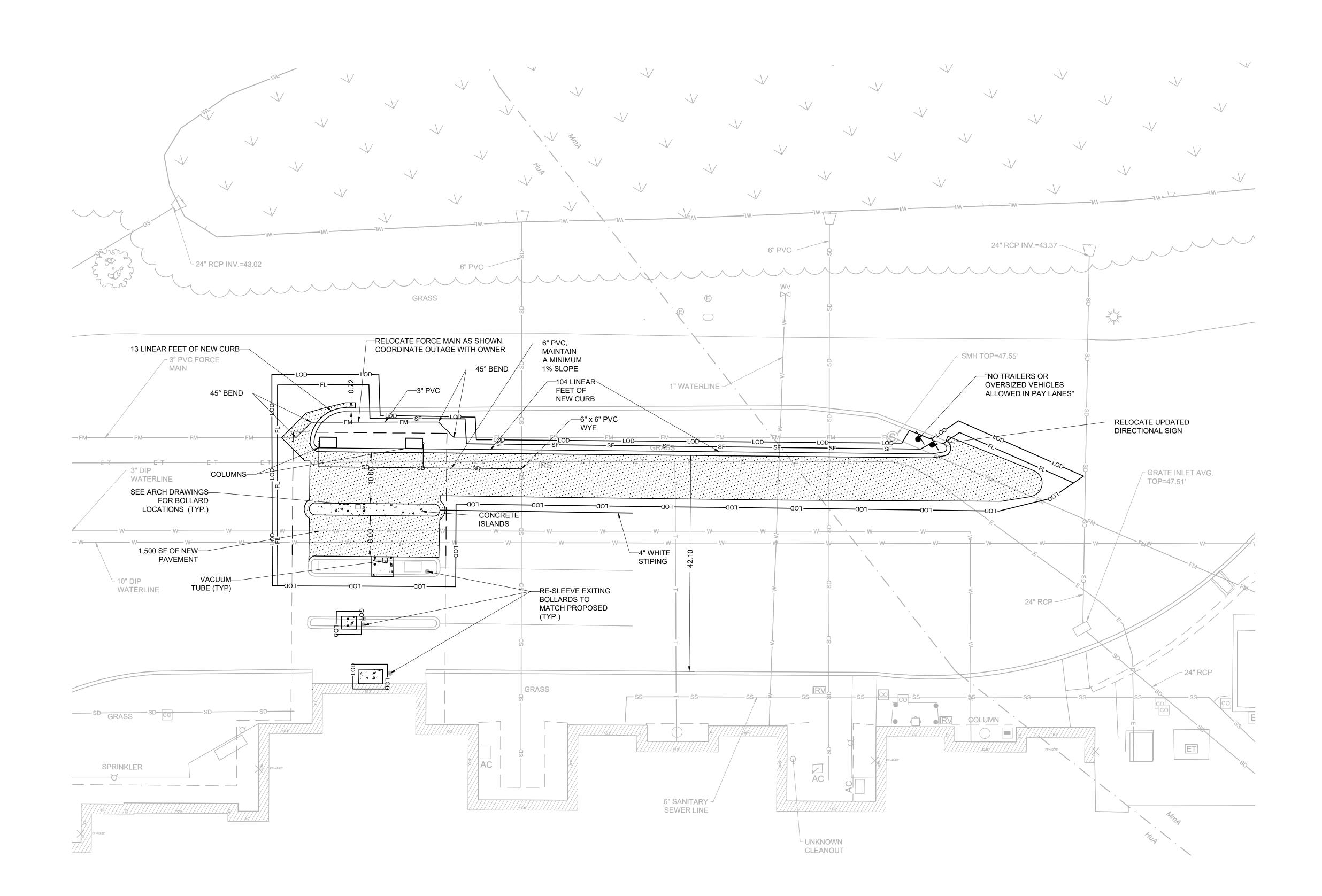
DEMO AREA



SCALE - PLAN: 1" = 10'



| 4/17/2025 9:14 A



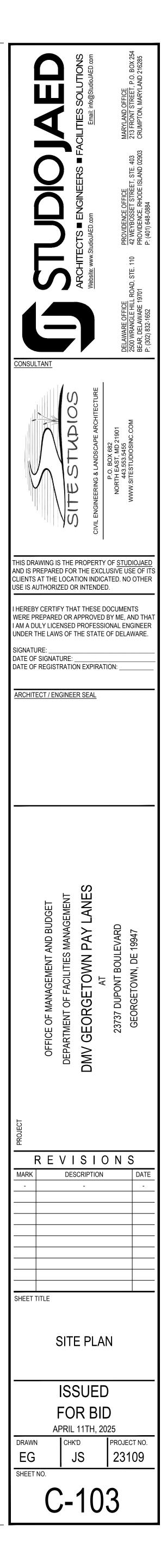
NOTES:

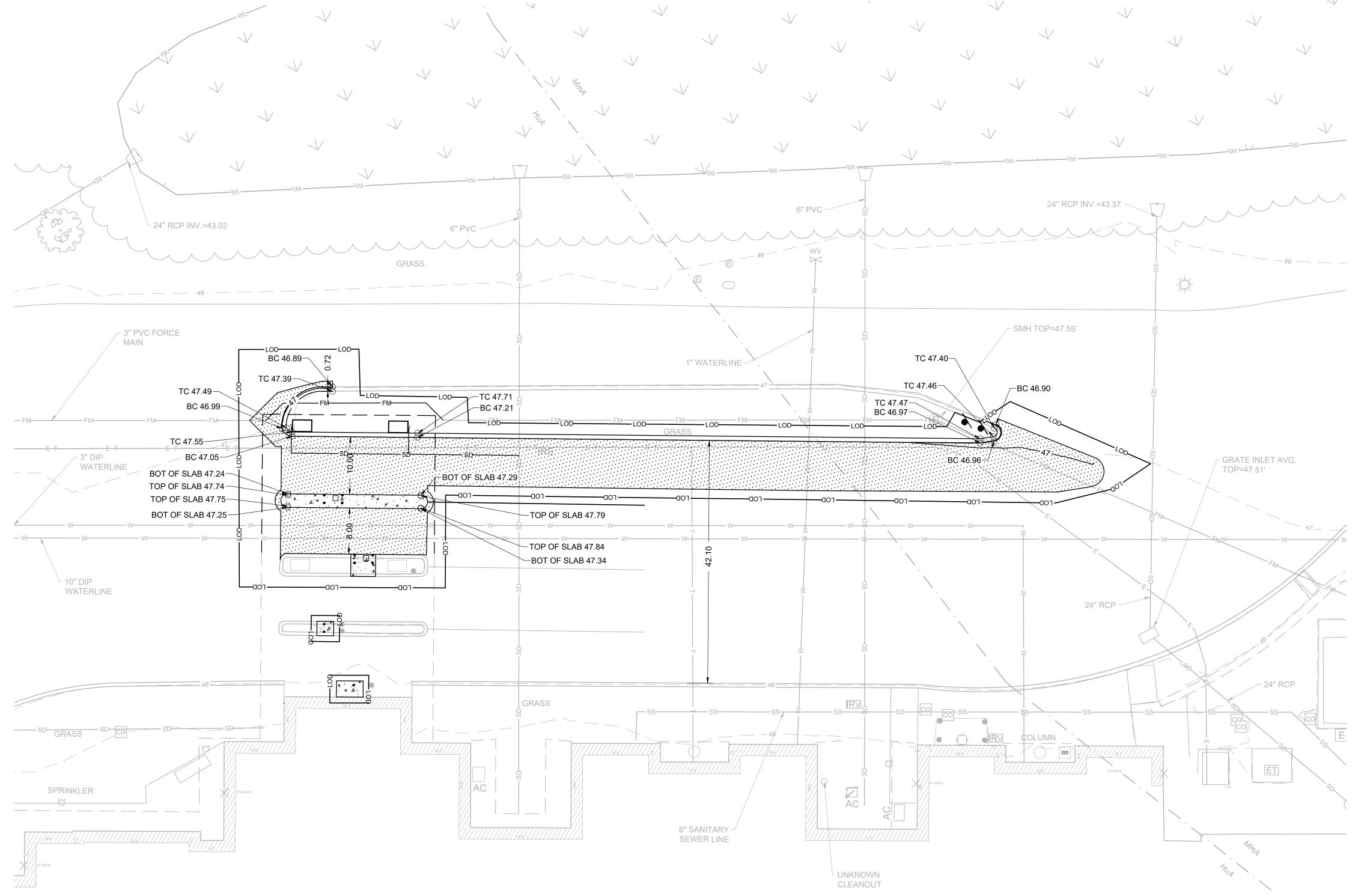
 THIS PROJECT IS INTENDED TO REMAIN UNDER 5,000 SF OF DISTURBANCE. CONTRACTOR SHALL ENSURE DISTURBANCE DOES NOT EXCEED 5,000 SF AT ANY TIME DURING CONSTRUCTION. IF IT IS DETERMINED THAT THE WORK AREA MUST EXPAND, APPROPRIATE PERMITTING THROUGH THE DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL WILL BE REQUIRED.

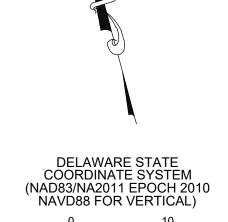
STABILIZATION CONDITIONS:

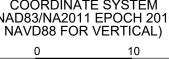
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, TEMPORARY OR PERMANENT STABILIZATION WITH SEED AND MULCH SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS TO THE SURFACE OF ALL DISTURBED AREAS NOT ACTIVELY UNDER CONSTRUCTION.
- THIS PROJECT MUST BE COMPLETED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK.



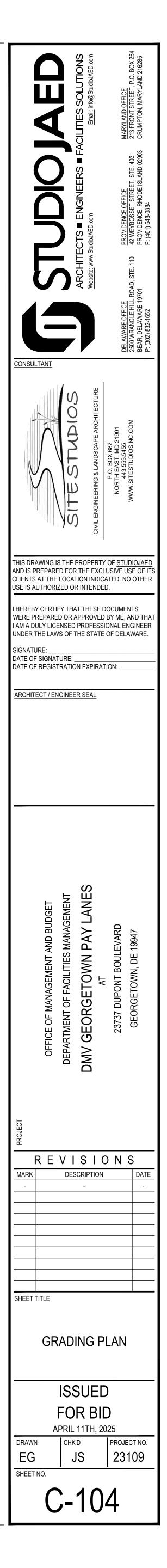








SCALE - PLAN: 1" = 10'



Standard Detail & Specifications
Vegetative Stabilization

	TEMPORARY SEEDING BY RATES, DEPTHS AND DATES										
Mix #	Species⁵	Seedir	ıg Rate	O =	O ptimum	Planting Dept					
				Соа	astal P	lain	Р	iedmo	nt	All	
	Certified Seed	lb/Ac ^{.4}	lb/1000 sq.ft.	2/1- 4/30	² 5/1- 8/14	8/15- 10/31	3/1- 4/30	² 5/1- 7/31	8/1- 10/31	10/31- 2/1	
1	Barley	125	4	0	А	0	0	А	0		1-2 inches 2-3" sandy soil
2	Oats	125	4	0	A	A	0	A	A		1-2 inches 2-3" sandy soil
3	Rye	125	4	0	А	0	0	А	0	A	1-2 inches 2-3" sandy soil
4	Perennial Ryegrass	125	4	0	А	0	0	А	0		0.5 inches 1-2" sandy soil
5	Annual Ryegrass	125	4	0	А	0	0	А	0	A	0.5 inches 1-2" sandy soil
6	Winter Wheat	125	4	0	А	0	0	А	0	A	1-2 inches 2-3" sandy soil
7	Foxtail Millet	30 PLS	0.7		0			0			0.5 inches 1-2'' sandy soil
8	Pearl Millet	20 PLS	0.5		0			0			0.5 inches 1-2" sandy soil
4 \\/:	-			- f							

1. Winter seeding requires 3 tons per acre of straw mulch for proper stabilization. 2. May be planted throughout summer if soil moisture is adequate or seeded area can be irrigated.

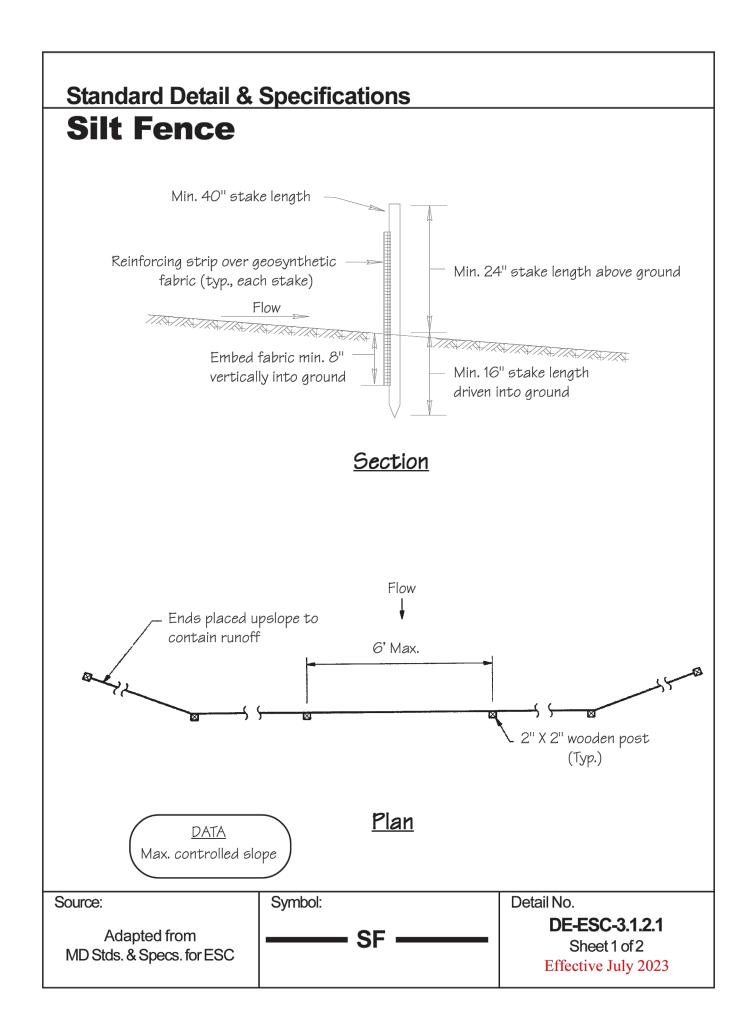
3. Applicable on slopes 3:1 or less.

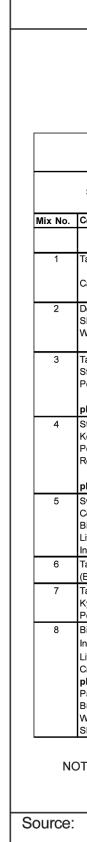
4. Use varieties currently recommended for Delaware. Contact a County Extension Office for information. 5. Warm season grasses such as Millet may be used between 5/1 and 9/1 if desired. Seed at 3-5 lbs.

per acre. Good on low fertility and acid areas. Seed after frost through summer at a depth of 0.5".

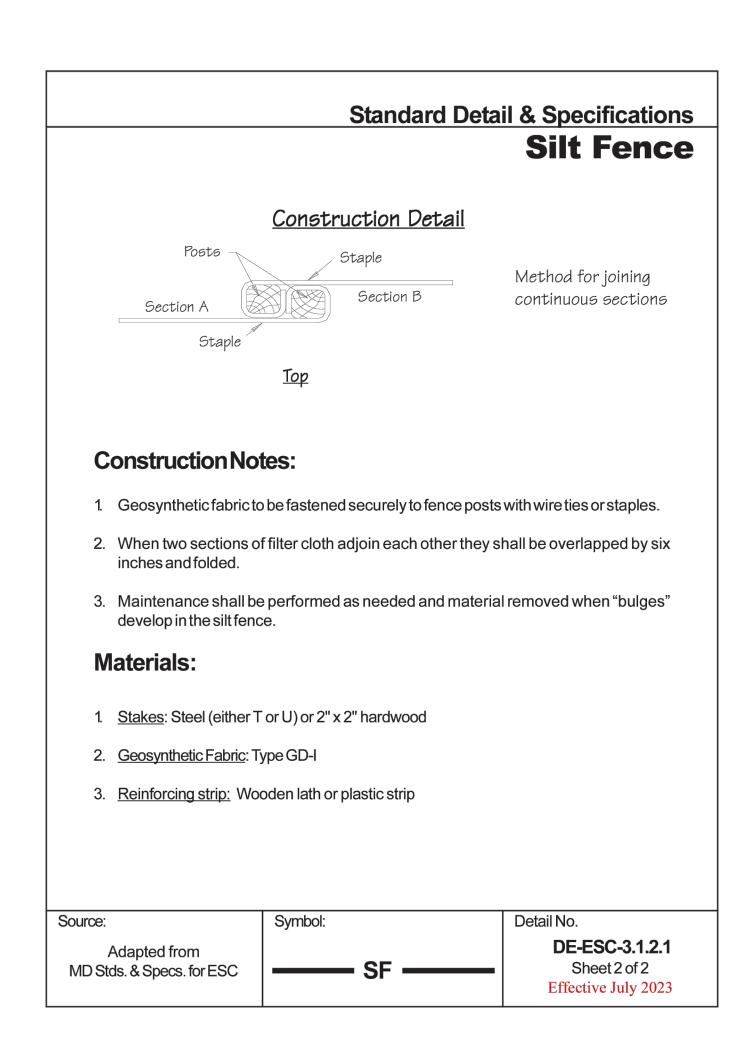
NOTE: Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.

Source:	Symbol:	Detail No.
Delaware ESC Handbook		DE-ESC-3.4.3 Sheet 1 of 4 Effective July 2023





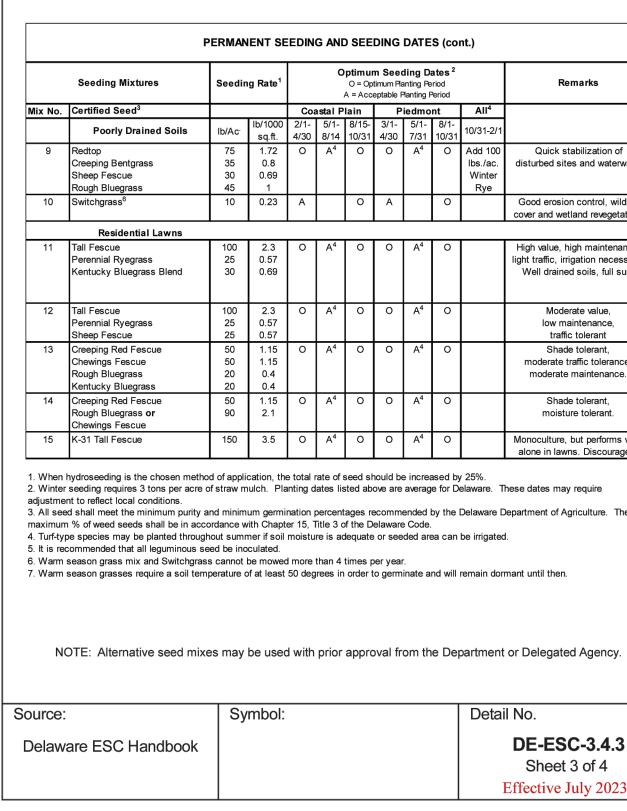


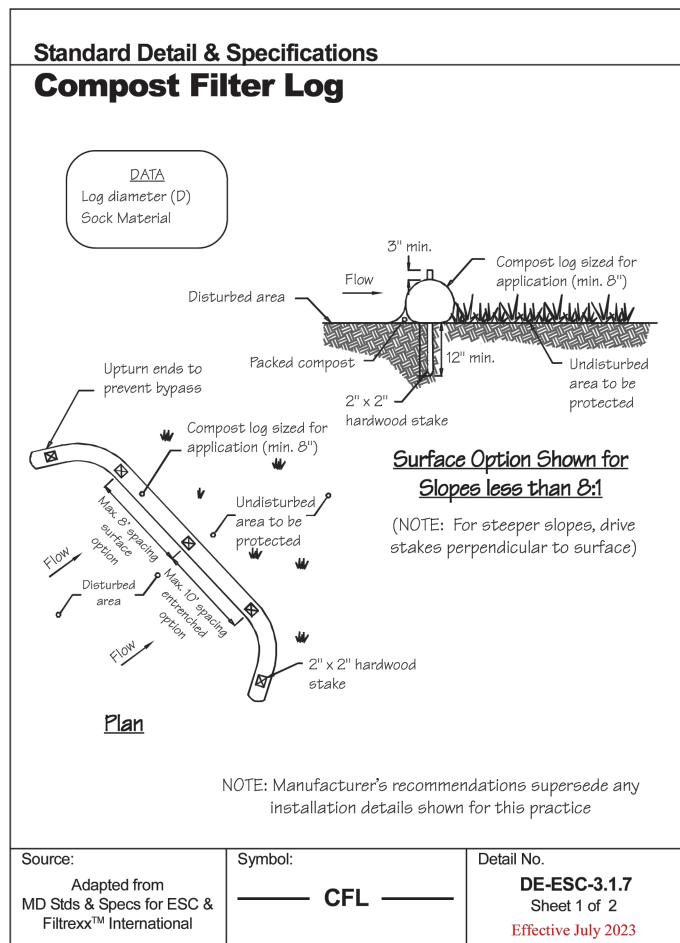


		V	eç	je	ta	ti	VE	9 5	Sta	bilization
	PERM	ANENT	SEEI	DING	AND S	SEEDI	NG D/	ATES		
Seeding Mixtures	Seedin	ig Rate ¹			ptimu O = Op A = Acc	timum Pla	anting Pe	eriod		Remarks
Certified Seed ³			Coa	astal P	lain	Р	iedmo	nt	All⁴	
Well Drained Soils	lb/Ac [.]	lb/1000 sq.ft.	2/1- 4/30	5/1- 8/14	8/15- 10/31	3/1- 4/30	5/1- 7/31	8/1- 10/31	10/31-2/1	
all Fescue Canada Wild Rye	140 10	3.2 0.23	A	0	A	A	0	A	Add 100 lbs./ac Winter	Good erosion control mix Tolerant of low fertility soils Good for droughty sites
Deertongue Sheep Fescue Vhite Clover	30 30 10	0.69 0.69 0.35	A	0	A	A	0	A	Rye Add 100 Ibs./ac Winter Rye	Good erosion control mix Tolerant of low fertility soils Legume that fixes atmospheric N into soil
all Fescue (Turf-type) or Strong Creeping Red Fescue or Perennial Ryegrass	50 50 50 15	1.15 1.15 1.15 0.34	0	A ⁴	0	0	A ⁴	0	Add 100 Ibs./ac. Winter Rye	Good erosion control mix Tall Fescue for droughty conditions. Creeping Red Fescue for heavy shade. Flatpea to suppress woody vegetation.
itrong Creeping Red Fescue ientucky Bluegrass 'erennial Ryegrass or ledtop	100 70 15 5 3	2.3 1.61 0.35 0.11 0.07	0	A ⁴	0	0	A ⁴	0	Add 100 Ibs./ac. Winter Rye	Suitable waterway mix. Canada Bluegrass more drought tolerant. Use Redtop for increased drought tolerance.
witchgrass ^{6,7} or coastal Panicgrass tig Bluestem ittle Bluestem ndian Grass	10 10 5 5 5	0.23 0.23 0.11 0.11 0.1		0			0			Native warm-season mixture. Tolerant of low fertility soils. Drought tolerant. Poor shade tolerance. N fertilizer discouraged - weeds
all Fescue (turf-type) Blend of 3 cultivars)	150	3.5	0	A ⁴	0	0	A ⁴	0		Managed filter strip for nutrient uptake.
all Fescue y. Bluegrass (Blend) erennial Ryegrass	150 20 20	3.5 0.46 0.46	0	A ⁴	0	0	A ⁴	0		Three cultivars of Kentucky Bluegrass. Traffic tolerant.
tig Bluestem ⁷ Idian Grass ⁷ Ittle Bluestem ⁷ Treeping Red Fescue I us one of: Partridge Pea Bush Clover	10 10 8 30 5 3	0.23 0.23 0.18 0.69 0.11 0.07	0	A ⁴		0	A ⁴			All species are native. Indian Grass and Bluestem have fluffy seeds. Plant with a specialized native seed drill. Creeping Red Fescue will provide erosion protection while
Vild Indigo howy Tick-Trefoil	3 2	0.07 0.05								the warm season grasses get established.

	Symbol:	Detail No.
re ESC Handbook		DE-ESC-3.4.3
		Sheet 2 of 4 Effective July 2023

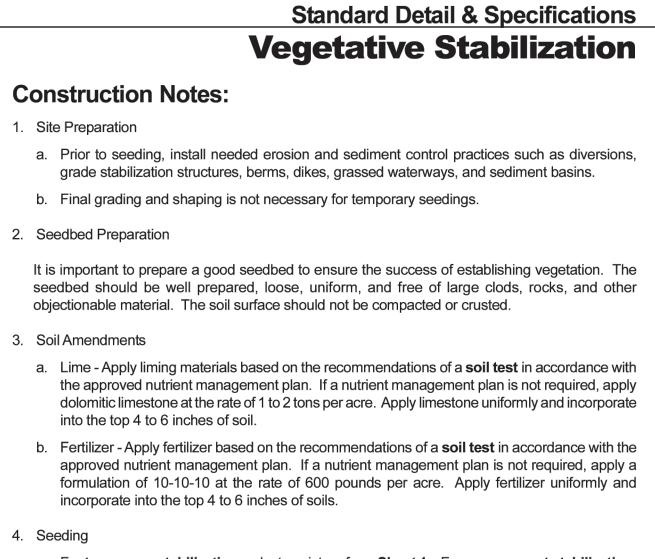
Standard Detail & Specifications Vegetative Stabilization





ΓE	S (coi	nt.)	
Pe	ates ² riod Period		Remarks
no		All ⁴	
1- 31	8/1- 10/31	10/31-2/1	
4	0	Add 100 Ibs./ac. Winter Rye	Quick stabilization of disturbed sites and waterways
	0		Good erosion control, wildlife cover and wetland revegetation.
4	0		High value, high maintenance, light traffic, irrigation necessary. Well drained soils, full sun.
4	0		Moderate value, low maintenance, traffic tolerant
4	0		Shade tolerant, moderate traffic tolerance, moderate maintenance.
4	0		Shade tolerant, moisture tolerant.
4	0		Monoculture, but performs well alone in lawns. Discouraged.
	ased by e for De		hese dates may require
de.	-	Delaware D be irrigated	Department of Agriculture. The
e ai	nd will	remain dor	mant until then.

Detail No.
DE-ESC-3.4.3
Sheet 3 of 4
Effective July 2023



- a. For temporary stabilization, select a mixture from Sheet 1. For a permanent stabilization, select a mixture from Sheet 2 or Sheet 3 depending on the conditions. Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.
- b. Apply seed uniformly with a broadcast seeder, drill, cultipacker seeder or hydroseeder. All seed will be applied at the recommended rate and planting depth.
- c. Seed that has been broadcast should be covered by raking or dragging and then lightly tamped into place using a roller or cultipacker. If hydroseeding is used and the seed and fertilizer is mixed, they will be mixed on site and the seeding shall be done immediately and without interruption.

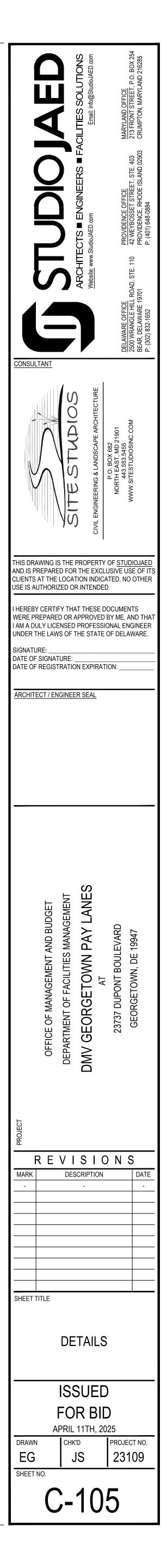
5. Mulching

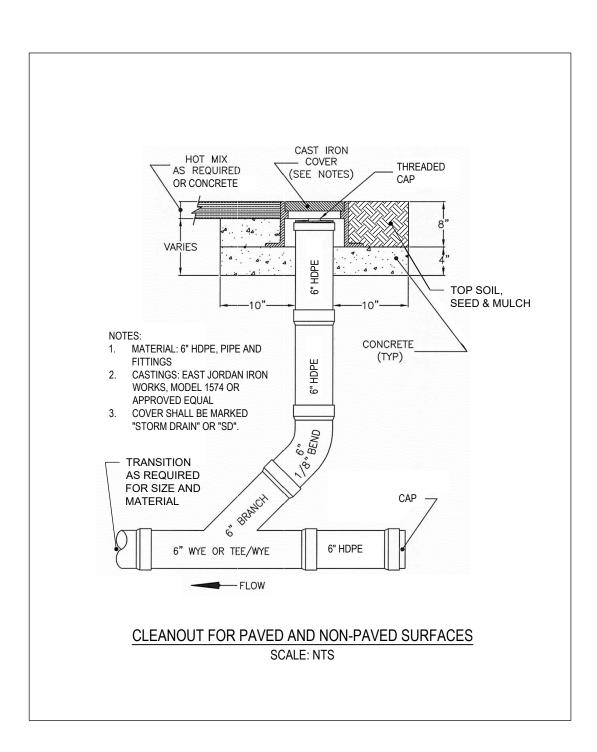
All mulching shall be done in accordance with detail **DE-ESC-3.4.5**.

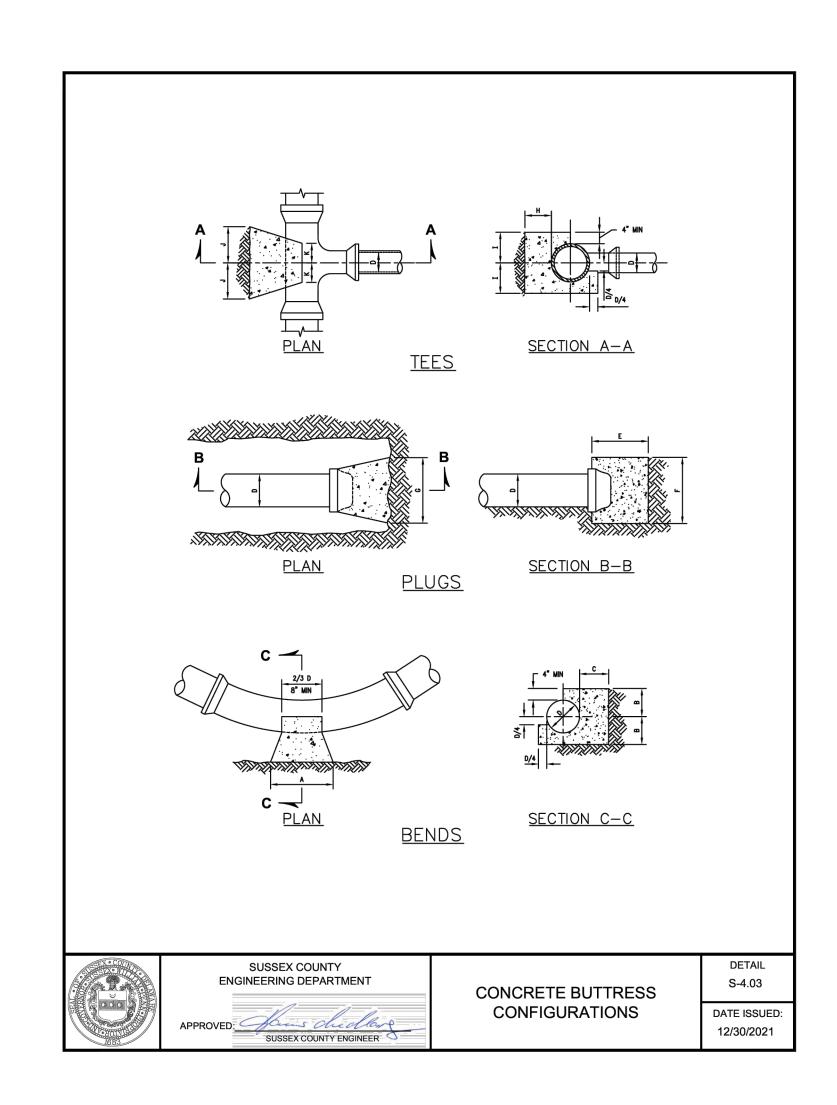
Source:	Symbol:	Detail No.	
Delaware ESC Handbook		DE-ESC-3.4.3 Sheet 4 of 4 Effective July 2023	

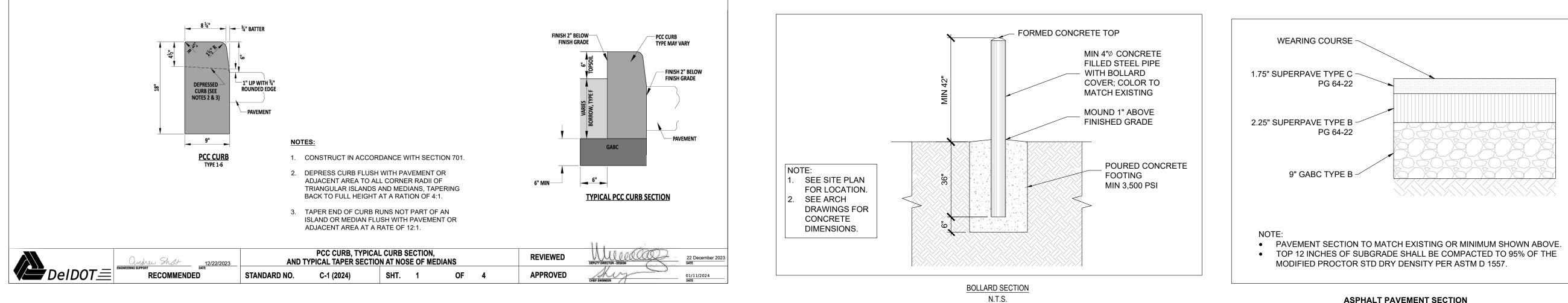
		Standard Deta	il & Specifications
		Compos	st Filter Log
	Construction No	otes:	
1.	Prior to installation, clear be and fill in any sharp depres	edding area of obstructions including ro sion areas.	ocks or debris larger than 1 inch
2.	If socks are prepared on-si and do not deform. Termin	te, fill the sock fabric using a pneumation at the desired length.	c blower so that the logs are rigid
3.	For trenched applications, compost filter log.	excavate 2 to 4 inches below grade alo	ng the width and length of the
4.	beginning and end of the in	as perpendicular to the flow direction an Installation pointing up the slope a minim this is not possible, upturn at a minimu ass.	num of 1 foot elevation
5.	For untrenched application log, filling the bottom void a	s, blow or hand pack soil, mulch, or cor area.	mpost on the upslope side of the
6.	applications, or every 8 fee extend 12" below grade an	D feet maximum through the center of the t for untrenched. The stake shall be a d protrude at least 3" above the top of the shall be angled downslope at a 45 deg to log.	2" by 2" hardwood. It should the sock. If located on a slope
7.	-	npost filter log needed exceeds the ava lapped a minimum of 12" before being overlap.	
8.	Remove accumulated sedi	ment when it has reached half of the ef	fective height of the log.
9.	the compost, replace the lo to construction equipment,	in event. If sock is degrading or the so og, or reinforce with an additional log. If it can be "fluffed" back to its effective h log shall be replaced or reinforced with	f the log has been crushed due eight. If the effective height can
Sou	rce:	Symbol:	Detail No.
	Adapted from Stds & Specs for ESC & iltrexx™ International	CFL	DE-ESC-3.1.7 Sheet 2 of 2

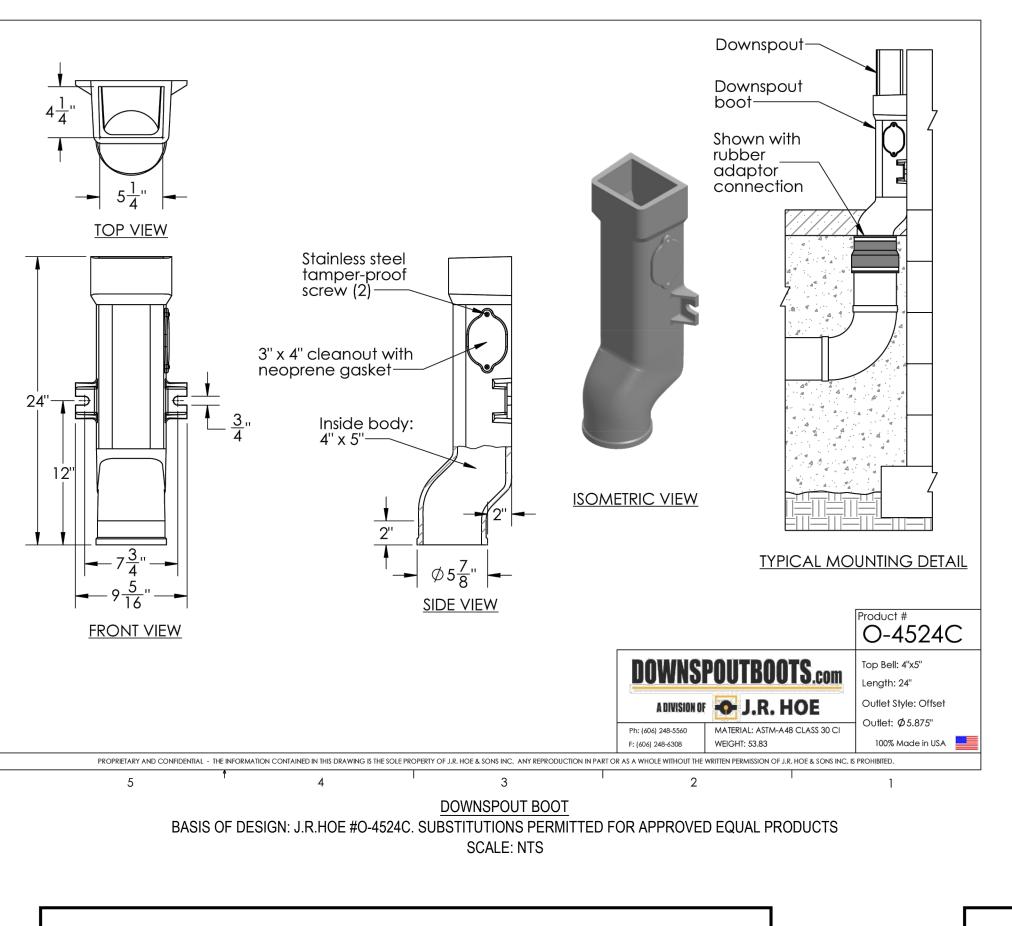
Effective July 2023

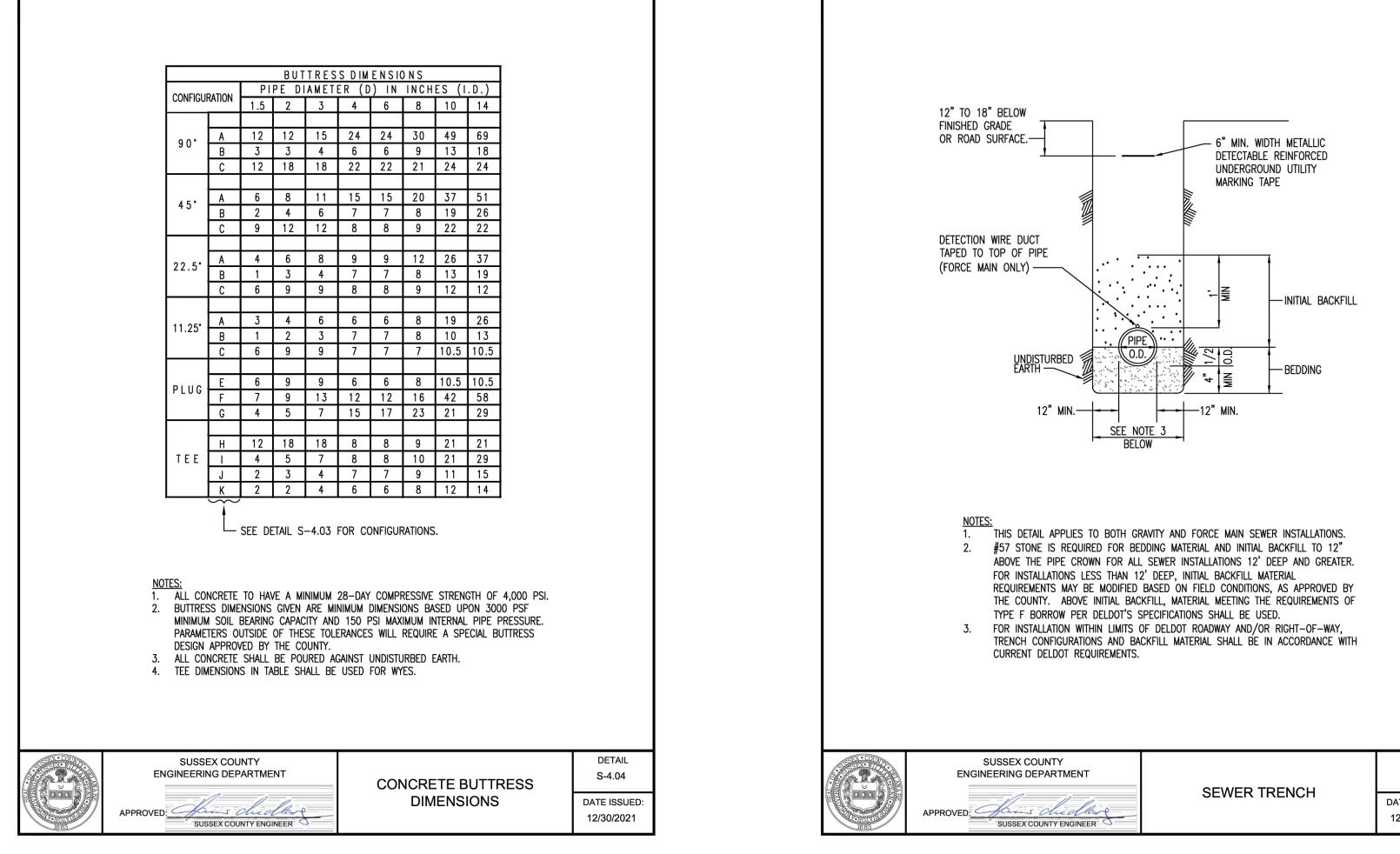






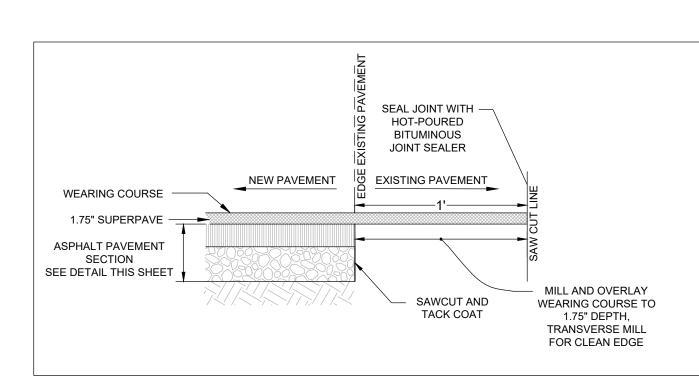






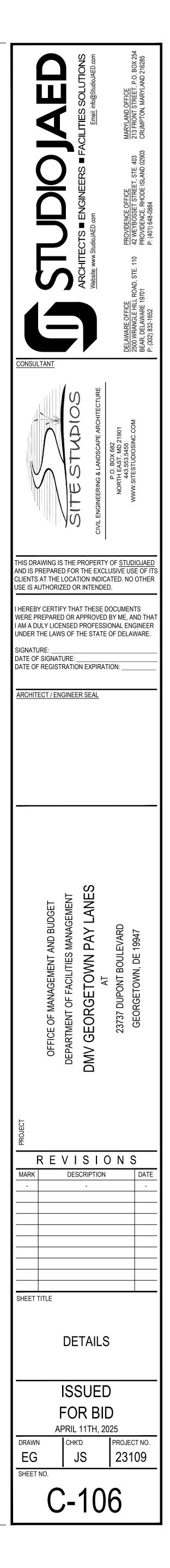
ASPHALT PAVEMENT SECTION (NTS)

PAVEMENT TIE-IN (NTS)



COUNTY DEPARTMENT		DETAIL S-3.01
s diedlarg	SEWER TRENCH	DATE ISSUED: 12/30/2021

- 1. THE UPDATED DIRECTIONAL SIGN SHOULD MEASURE THE SAME AS THE EXISTING SIGN AND SHOULD HAVE THE SAME LETTERING DIMENSIONS.
- 2. FOR THE NEW "NO TRAILERS OR OVERSIZED VEHICLES ALLOWED IN PAY LANES" SIGN, LETTER HEIGHT SHOULD MIMIC THAT OF SIGN R8-5 IN THE MUTCD. SIGN DIMENSIONS CAN BE EXPANDED IN ORDER TO FIT TEXT.



ABBREVIATIONS

Other abbreviations per CSI Uniform Drawing System

AB ADJ AFF ALT APPROX ARCH	anchor bolt above adjacent above finish floor alternate approximate architect, architectural
BC	bottom chord
BCX	bottom chord extension
BEF	bottom of (E) footing
BEGB	bottom of (E) grade beam
BLDG	building
BLKG	blocking
BOF	bottom of footing
BOF	bottom
BOF	bearing
BS	both sides
BW	both ways
CANT CFMF CJ CLG CLR CM COL CONC CONST CONST CONT	cantilever cold-formed metal framing cast in place control joint ceiling clear concrete masonry column concrete connection, connect construction continuous
DBL	double
DET	detail
DIA	diameter
DIM	dimension
DIMG	drawing
EA EL EQUIP EW EXP EXT	each elevation equal equipment each way expansion exterior
FDN	foundation
FIN	finish
FL	flange
FLR	floor
FS	far side
FTG	footing
GA	gage
GALV	galvanized
GR	grade
GR BM	grade beam

HORIZ	horizontal
HT	height
INT	interior
JST	joist
JT	joint
LLH	long leg horizontal
LLV	long leg vertical
LONG	longitudinal
MASY	masonry
MAX	maximum
MC	moment connection
MECH	mechanical
MIN	minimum
MISC	miscellaneous
NOM	nominal
NS	near side
NTS	not to scale
OC	on center
OPNG:	opening
OPP	opposite
PSF	pounds per square foo
PSI	pounds per square inc
R	radius
REINF	reinforcing, reinforced
REQD	required
SCHED	schedule
SECT	section
SIM	similar
SOG	slab on ground
SPEC	specification

SQ

STD

TŧB

T**ŧG**

TCX

THK

TOC

TOF

TOM

T*O*S

TOW

TYP

TRANS

TEF

square

thick

standard

top and bottom

tongue and groove

top chord extension

top of (E) footing

top of concrete

top of footing

top of masonre

top of steel

top of wall

transverse

typical

uno	unless noted otherwise
VERT VIF	vertical verify in field
₩/ ₩/O ₩P ₩T ₩ ₩ F	with without working point weight welded wire fabric
SYMBOLS	,
*	

SYMBOLS		
	center	line
E)	existing	3

existing
plate
slope
at
diameter

STRUCTURAL NOTES

GENERAL

- 1. Comply with latest editions of applicable local and state building codes and regulations, including but not limited to 2021 International Building Code (IBC), as adopted and amended by Sussex County.
- 2. Use structural drawings in conjunction with architectural, mechanical, electrical, plumbing, and civil drawings and
- project specifications. 3. Existing conditions and measurements shown on these drawings are approximate. 4. Verify all conditions and dimensions prior to starting work. If conditions differ from those shown, notify Architect
- immediately. 5. See Site Plan and architectural drawings for project datum.
- 6. Perform work under job-site conditions recommended by referenced codes and specifications, by materials
- suppliers, and which are acceptable under standard industry practice. 7. Provide periodic and final clean up and coordinate work with Owner to establish access to workplace and for
- staging and storage areas.
- 8. Protect existing construction and utilities during construction. 9. Notify Architect if there are apparent inconsistencies between structural plans, notes, details, and specifications prior to proceeding with affected portion of the work.
- 10.All details shown on structural drawings are to be considered typical throughout project, UNO. II. All typical details not cut on plan apply at all appropriate locations. Coordinate typical details.
- 12. Submit product data for proposed substitutions demonstrating equivalence to specified products shown on
- 13. Allow minimum 5 business days for review of requested submittals/shop drawings.
- 14. Structure is designed to be self-supporting and stable after construction is complete. Contractor is solely responsible for construction means and methods, including techniques and sequences of procedures. 15. Contractor is solely responsible for design and construction of all shoring, bracing, and underpinning necessary to protect existing construction/public right-of-way and to complete work shown on these drawings.
- STRUCTURAL LOADS

I. Design Loads Per 2021 International Building Code:

Building Occupancy Category: 1

- Live Loads:
- Roof Live Load: 20 psf.

Snow Loads:

- $P_{1} = 20 \text{ psf}, P_{f} = 19 \text{ psf}, C_{e} = 0.9, I_{s} = 1.1, C_{t} = 1.2$
- Wind Loads:

Basic Wind Speed (3-second gust) = 119 mph, Iw = 1.0, Building Category II, Wind Exposure B, Internal Pressure Coefficient, GCpi = 0.00, Components and Cladding: Design wind loads by manufacturer per IBC based on effective area of element.

Seismic Loads:

Earthquake Design Data: $I_F = 1.00$, $S_5 = 0.103$, $S_1 = 0.038$, Site Class C. $S_{DS} = 0.11$, $S_{D1} = 0.061$, Seismic Design Category A

- SPECIAL INSPECTIONS
- 1. Provide special inspections as required by Sussex County in accordance with IBC, performed by approved independent agency. Notify Architect immediately of irregularities or deficiencies observed and provide written
- report of each inspection. 2. Steel: Welding - periodic. Weld filler materials - periodic. Steel frame joint details - periodic. High strength
- bolts, nuts, washers periodic. Decking periodic.
- 3. Concrete: Materials periodic. Reinforcing steel periodic. 4. Post-installed anchors - periodic.

FOUNDATIONS

- 1. Verify minimum allowable soil bearing capacity of 2,000 psf for footings.
- 2. Place footings and slab on firm, dry, non-frozen subgrade. 3. Remove unsuitable soil encountered during excavation for foundations and slabs. Backfill these excavations and areas requiring structural fill with clean ML or better borrow (per ASTM D2487) placed in 8' maximum lifts. Compact to 95% maximum dry density as determined by modified proctor test (ASTM D1557). In lieu of select borrow, use suitable on-site borrow that is clean and granular, placed in 8' maximum lifts, compacted to 95% maximum dry density as determined by modified proctor test (ASTM D1557).
- 4. Do not perform unbalanced backfilling against piers unless they are securely braced by temporary bracing or permanent construction. 5. Place exterior footings at elevations noted or so bottom of footings is 2'-8' minimum below finish grade, whichever is deeper.
- 6. Center' footings under columns or walls UNO.
- 7. Place dowels in footings to match vertical reinforcing in piers, pilasters, and walls. 8. Bottom of footing to match bottom of adjacent pipe or utility.
- CONCRETE
- 1. Comply with latest editions of American Concrete Institute ACI 301 'Specification for Structural Concrete for
- Buildings, ACI 318 'Building Code Requirements for Structural Concrete,' ACI 305 'Hot Weather Concreting,' and ACI 306 'Cold Weather Concreting.'
- 2. Compressive strength at 28 days: Footings, 3,000 psi. Exterior walls, foundation walls, piers, and slabs on ground, 4,500 psi (0.45 maximum w/c ratio).
- 3. Provide air entrainment for all exterior exposed concrete per F2 exposure category: 6.0 percent air content for 3/4" nominal maximum aggregate. Submit proposed air content for mixes with other aggregate sizes.
- 4. Reinforcing steel: ASTM AG15, Grade 60 deformed bars. Provide standard hooks on dowels into piers, pilasters, and walls. Provide continuous reinforcement at corners and intersections. 5. Welded wire fabric: ASTM A185, flat sheets.
- 6. Lap all reinforcing bars 48 bar diameters. Lap all WWF 12' minimum.
- 7. Provide 3/4" chamfer on exposed edges and corners. 8. Provide 1/4" profile roughened surface at all adjoining surfaces not cast monolithically.
- 9. Provide following cover for reinforcement:
- a) Concrete exposed to earth or weather: *6 through *18 bars
- *5 bar & smaller
- b) Concrete not exposed to earth or weather: Walls
- c) Concrete placed directly on earth, footings:
- All reinforcement 10. Do not remove formwork until concrete has obtained 90% of 28-day compressive strength.
- 11. Submit certified mix design and complete set of shop drawings for reinforcing steel. 12. Epoxy anchorage: Hilti HIT HY 200 epoxy with rebar as called out.
- CONCRETE PIERS
- 1. Provide concrete piers as shown, with tops of piers 8' below top of adjacent grade, UNO.
- 2. Center piers under columns, UNO. 3. Center reinforcing cages under columns, UNO.
- 4. Provide *3 ties, top three at 4' centers, balance at 12' centers.
- 5. Provide standard hook on vertical reinforcing.

CONCRETE MASONRY

- Structures' and ACI 530.1 'Specifications for Masonry Structures.' 2. Hollow loadbearing units ASTM C90. Compressive strength f'm = 2,500 psi.
- 3. Mortar ASTM C270 Type S. ACI 530.
- 6. Provide two vertical rebars at corners and wall ends, UNO. Provide in every other course (16' centers) above grade or slab on grade.
- horizontally (Hohmann & Barnard #365 bent Gripstay Anchor and #360 Channel). 9. Grout masonry solid if either face below grade or slab on grade. 10 Grout masonry solid full height of vertical reinforcing.
- II. Provide continuous bond beam with 2 #5 (12" CM) and 2 #4 (8" and 10" CM) in solid grout at tops of all exterior walls, bearings walls, and concrete masonry wythes in exterior walls. 12. Epoxy anchorage: Hilti HIT HY 270 epoxy with rebar as called out.

STEEL

- ASTM A36. Tubing ASTM A500, Grade C. Pipe ASTM A53, Grade B.
- 3. Typical connections double 5/16' angle clips, full depth, UNO. 4. Typical tube connections 3/8", full depth, UNO. 5. Provide cap plate for all tube and pipe columns, UNO.
- 6. Other connections and gussets 3/8' plate, UNO. 1. Fasteners Group A (ASTM F3125, Grade A325, Type 1), 3/4" diameter, for Type N connection, UNO.
- 8. All bolted connections to have minimum 2 bolts, UNO. Bolts at 3' spacing, UNO. 9. Threaded rods ASTM A36. 10.Welds comply with AWS D1.1 'Structural Welding Code,' with low hydrogen electrodes.
- 11. Steel to be exposed and painted see architectural drawings. Clean in accordance with SSPC SP-3. Prime with SSPC paint 25 type 2. 12. See architectural drawings for fire resistance requirements, including steel surface preparation.
- 14. Baseplates 3/4" minimum thickness, UNO.
- 16.Bearing plates 3/4" minimum thickness, UNO. 17. Provide 9/16' diameter holes at 24' in steel for attachment of wood nailers. 18. Non-shrink, non-metallic, high early strength grout for base and bearing plates, minimum 3/4' thick. 19. Submit complete set of shop drawings. 20. Steel fabricator to survey and verify existing conditions prior to fabrication of steel members.
- COLD FORM STEEL FRAMING DESIGNATED DESIGN
- be provided by Cold Form Steel Framing supplier. 2. Comply with latest edition of American Iron and Steel Institute "Specification for the Design of Cold Formed Steel
- Structural Members". 3. Welding comply with AWS DI.3 'Structural Welding Code - Sheet Steel.'
- manufacturer may be substituted. 5. Galvanize all members and accessories, minimum G60 coating.
- 6. Coordinate with architectural drawings for extent of cold-form framing recommendations for particular application as needed to achieve complete metal framing system. support each end of header, UNO.
- 9. Provide framing around floor/roof openings greater than joist/rafter spacing. to common structural element
- II. Provide slip joints where non-bearing vertical studs meet structural member. Allow 3/4' vertical deflection at slip 12. Provide web stiffeners at all bearing points and concentrated loads in built-up headers.
- 13. Provide No. 10 TEK/3 screws of appropriate length at all connections, UNO. Provide minimum penetration of 3 exposed threads through joined material. 14. Blocking, bracing, and bridging per manufacturer's printed instructions must be installed prior to loading.
- for maximum deflection L/240. 16. Submit complete set of shop drawings for framing, hangers, connectors, permanent web bracing, and temporary bracing sealed by Professional Engineer registered in State of Delaware.

I. Comply with latest editions of American Concrete Institute ACI 530 Building Code Requirements for Masonry

4. Grout ASTM C476 Coarse, unless Fine is required for tight clearances. Maximum lift height and lift sequence per 5. Reinforcing steel ASTM A615, Grade 60 deformed bars, with minimum lap splice of 48 bar diameters, UNO.

7. Horizontal joint reinforcement ASTM A1064 and A951, galvanized 0.1 oz/sf per ASTM A641 or hot-dip galvanized 1.5 oz/sf per ASTM AI53. Ladder type for single wythe walls, ladder type for composite walls, both with 9 gauge side rods and 9 gauge cross rods. Provide in every course below grade or slab on grade (whichever is higher). 8. Anchor masonry to steel columns and beams with galvanized anchors and channels at 16' centers vertically and

1. Comply with latest editions of American Institute of Steel Construction "AISC Specification for the Design, Fabrication and Erection of Structural Steel for Buildings' and 'AISC Code of Standard Practice'. 2. Wide Flange members ASTM A992, Grade 50. Other structural steel shapes ASTM A36, UNO. Bars, angles, and plates

13.Galvanize all framing, members, and connections permanently exposed to weather, including lintels, ASTM AI53 Class

15. Anchor Rods ASTM F1554 Grade 36, 3/4" diameter with 2" hook and 9" embedment, 4 per baseplate, one per corner,

1. Information shown or noted, including member sizes, spacing, details, hangers, connectors, fastenings, and permanent member bracing, is given only to serve as basis of cost estimating. Final design of all framing and accessories to

4. Member sizes shown on drawing refer to products manufactured by Marino Industries. Fy = 33 ksi for 20 and

18-gauge members, Fy = 50 ksi for 16, 14, 12, and 10-gauge members, UNO. Equivalent products by single similar

7. Provide standard tracks, blocking, stiffeners, clips, and reinforcements in accordance with manufacturer's recommendations. Install, fasten, and brace all members and accessories in accordance with manufacturer's

8. Provide built-up box headers for all openings greater than stud spacing. Provide double studs each side to

10 Attach tracks to foundation or supporting structural component. At track butt joints, tracks must be anchored

15. Wall studs with brick veneer to be designed for maximum deflection of L/600. All other wall studs to be designed

I. Cold-formed steel trusses are to be designed, fabricated and installed in accordance with the following

AISI SG-671 - Specification for the Design of Cold-Formed Steel Structural Members; American Iron and Steel Institute (latest edition) AISI RG-9518 - Design Guide for Cold-Formed Steel Trusses; American Iron and Steel Institute (latest

edition) ASTM A 370 - Standard Test Methods and Definitions for Mechanical Testing of Steel Products (latest

ASTM A 500 - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes (latest edition)

ASTM A 653/A 653M - Standard Specification for Steel Sheet, Zinc-Coated (galvanized) or Zinc-Iron Alloy-Coated (galvannealed) by the Hot-Dip Process (latest edition). LGSEA - Field Installation Guide for Cold-Formed Steel Trusses; Light Gauge Steel Engineers Association

(latest edition) LGSEA 551D - Design Guide for Construction Bracing of Cold-Formed Steel Trusses; Light Gauge Steel Engineers Association (latest edition)

LGSEA 551E - Design Guide for Permanent Bracing of Cold-Formed Steel Trusses; Light Gauge Steel Engineers Association (latest edition)

2. Provide the following submittals: Product Data: Truss component manufacturer's descriptive literature for each item of cold-formed metal framing and each accessory specified in this section.

Shop drawings: Detailed drawings prepared by truss fabricator that:

a. Indicate special components and installations not fully detailed in product data.

standards:

b. Indicate in the layout placement drawings the number, types, location, and spacings of trusses and other framing members. c. Indicate details of truss loading, reactions, uplifts, support locations, material sizes and gauges,

permanent truss web bracing, and splices as required for a complete installation. Design Data: Results of design analysis, bearing the seal and signature of truss designer's Professional

Installation instructions: Truss component manufacturer's printed instructions for handling, storage, and installation of each item of cold-formed metal framing and each accessory specified in this section. 3. Provide design of trusses by truss component manufacturer, using design methodologies recommended in AISI and LGSEA references.

4. Provide design by Professional Engineer registered in the State of Delaware.

5. Provide truss fabricator's shop drawings. 6. Pack, ship, handle, unload, and lift shop products in accordance with truss component manufacturer's

recommendations and in manner necessary to prevent damage or distortion.

7. Store and protect products in accordance with truss component manufacturer's recommendations and in manner necessary to prevent damage, distortion and moisture buildup.

8. Comply with requirements of the enforced edition of the International Building Code. 9. Minimum design loads:

Top chord:

Bottom chord:

Dead load = 10 psf Live load = 20 psf

Dead load = 10 psf

Live load = 30 psf

10. In addition to the above loads, steel trusses shall be designed for concentrated loads hung from or supported on the trusses. Refer to mechanical, electrical, and plumbing drawings and specifications for loading information and location. Loading as required by other subcontractors, such as fire protection, shall be coordinated by the general contractor.

II. Deflection under all loads: L/240th of span, maximum.

12. Deflection under live loads: L/360th of span, maximum 13. Shop fabricate in accordance with shop drawings, using jigging systems to ensure consistent component placement and alignment of components, and to maintain specified tolerances; field fabrication is strictly prohibited unless performed by authorized truss fabricator using truss fabricator's shop assemblers and proper jigging systems. 14. Shop fabrication of other cold-formed steel framing components into assemblies prior to erection is permitted;

fabricate assemblies in accordance with shop drawings. 15. Fasten connections within truss assembly with truss component manufacturer's screws only and as shown on the

shop drawings; welding and other fasteners are prohibited. 16. Truss chord and web components: shapes, sizes, and thickness as required to suit desian and as indicated on shop drawings.

17. Fasteners used in fabricating trusses: screw fasteners recommended by truss component manufacturer, bearing stamp of truss component manufacturer for ready identification. 18. Install trusses in accordance with truss component manufacturer's instructions and truss fabricator's shop

drawings. Use correct fasteners. 19. Place components at spacings indicated on the shop drawings.

20.Install all erection (temporary installation) bracing and permanent bracing and bridging before application of any loads, follow recommendations of LGSEA field installation quide for cold-formed steel roof trusses. 21. Provide bracing that holds trusses straight and plumb and in safe condition until decking and permanent truss

bracing has been fastened to form a structurally sound framing system. 22.Install permanent bracing and bridging as required to brace the truss assembly and as shown in the truss fabricator's shop drawings.

23.Removal, cutting, or alteration of any truss chord, web or bracing member in the field is prohibited, unless approved in advance in writing by the Architect/Engineer and the truss designer. Repair or replace damaged chords, webs, and complete trusses as directed and approved in writing in advance by the Architect.

STRUCTURAL WOOD

I. Comply with the American Wood Council National Design Specifications (NDS) for wood construction, latest edition. 2. Minimum design values: Hem-Fir or Spruce-Pine-Fir No. 2 or better as published in the NDS Supplement, with the

applicable adjustment factors. All wood framing material shall be surfaced dry with 19% maximum moisture content. 3. All wood subject to exterior exposure or in contact with masonry or concrete or at above ground locations specified in IBC Section 2304.II, shall be No. 2 or better, treated in accordance with American Wood Preservers Association (AWPA) Standard UI.

4. Fasteners and connectors in contact with preservative-treated or fire-retardant-treated wood shall be in accordance with IBC Section 2304.10.5.3. and 2305.10.5.4.

3. Install fasteners in accordance with manufacturer's printed instructions, including substrate preparation.

5. Eboxy Anchor in Hollow Concrete Masonry: Hilti HIT-HY 270 epoxy with applicable HIT-SC screen, HIT-IC insert, or HIG-N insert to suit application.

6. Expansion Anchor in Concrete: Hilti KWIK Bolt TZ.

9. Concrete Screw in Concrete: Hilti KWIK HUS-EZ.

10. Powder Actuated Fastener (PAF) in Concrete: Hilti X-U, 0.157" diameter, head to suit application. 11. Powder Actuated Fastener (PAF) in Solid Masonry: Hilti X-U, Ø.157" diameter, head to suit application.

PIER SCHEDULE				
MARK	SIZE	REINFORCING	CAGE	REMARKS
PI	4Ø"×24"	(14) -*6	37'x21'	SEE DETAIL 3/6-102
NOTES: 1. Provide concrete piers as shown, with tops of piers @'-8" below top of adjacent grade, UNO. 2. Center reinforcing cages under columns, UNO. 3. Provide #3 ties, top three at 4" centers, balance at 12" centers in concrete piers, UNO. 4. Provide standard hook on vertical reinforcing.				

	COLUMN S	BCHEDULE	
MARK	SIZE	BASE PLATE	REMARKS
CI	HSS 4½×4½×⅔	10½'×10½'×¾'	
NOTES: 1. Provide (4) - ¾" diamet corner, UNO. 2. Set galvanized bas	er ASTM F1554 Grade 36 galvanized se plate on $\frac{3}{4}$ " non-shrink, non-metalli	l hex-head anchor rods with 9' ember c, high early-strength grout.	dment per base plate, one per

	FOC	DTING SCHEDULE	
MARK	SIZE	REINFORCING	REMARKS
F5	5'-6 ' x5'-6 ' xi'-Ø'	(5)-#5 BOTH WAYS (TOP AND BOTTOM)	SEE DETAIL 3/6-102
NOTES: 1. Place exte Place horizontal reinfo footings under column	rior footings at elevations noted orcing 3' clear above footing bo ns and walls, UNO. 5. Presumptive o	or so bottom of footings is 2'-8" minimum be ottom, UNO. 3. Place dowels in footings to ma allowable bearing capacity 2000 psf.	low finish grade, whichever is deeper. 2. atch vertical reinforcing in piers. 4. Center

1. See drawing call-outs and other notes for additional information.

2. Equivalent products by Simpson, Powers, or Red Head may be substituted.

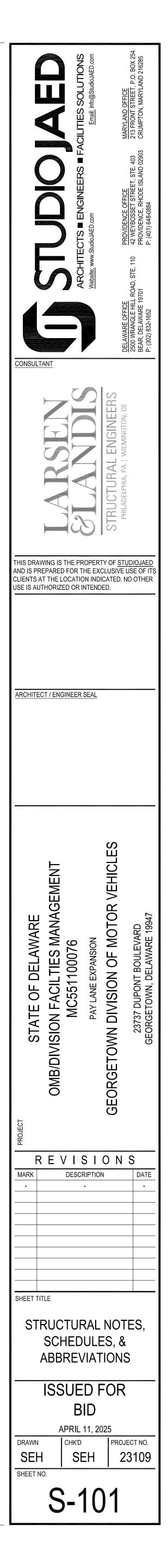
5. Roof sheathina: Group | APA rated sheathing, $\frac{3}{4}$ " nominal thickness, minimum span rating 32/16, Exposure |. 6. Provide blocking, bracing, and bridging per IBC code. 7. Nail in accordance with the IBC fastening schedule.

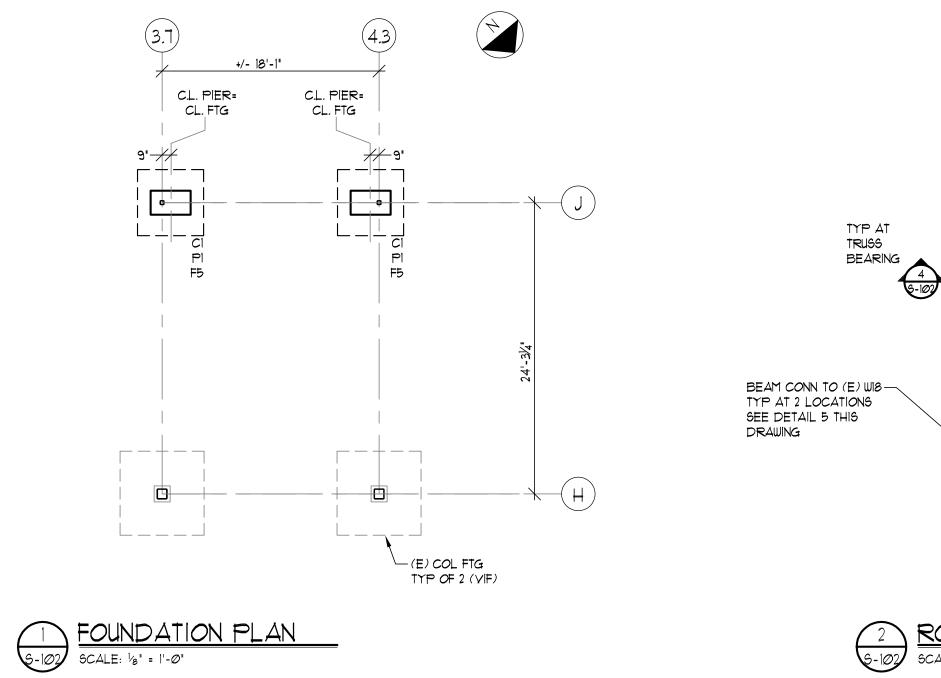
ANCHORS IN CONCRETE AND MASONRY

4. Epoxy Anchor in Concrete: Hilti HIT-HY 200 epoxy.

7. Expansion Anchor in Solid Masonry: Hilti KWIK Bolt TZ.

8. Expansion Anchor in Hollow Concrete Masonry: Hilti HLC.



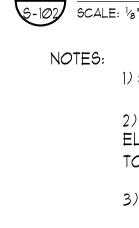


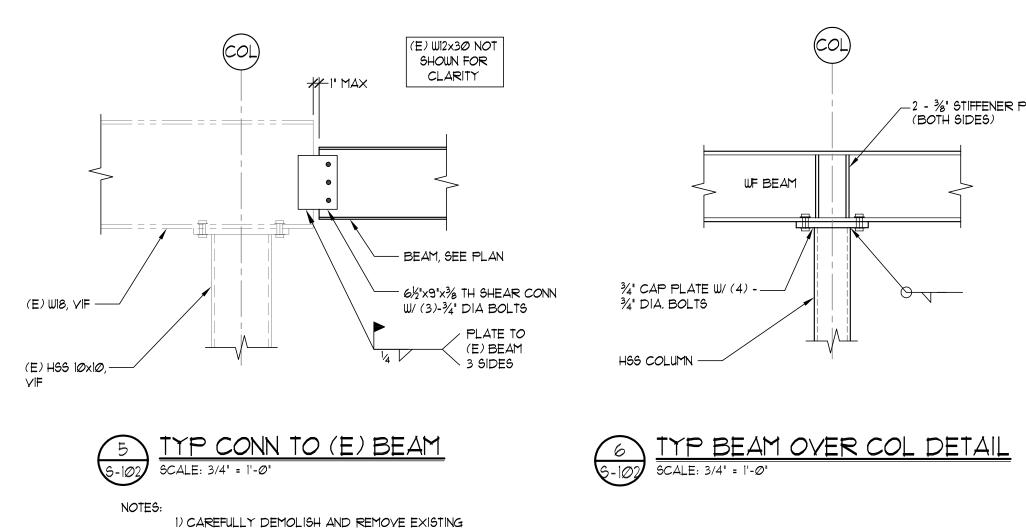
NOTES:

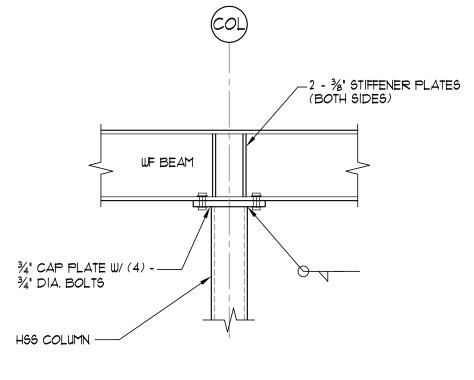
1) SEE STRUCTURAL NOTES SHEET S-101.

2) TOP OF FOOTING = -1'-8" RELATIVE TO EXTERIOR GRADE ELEVATION.

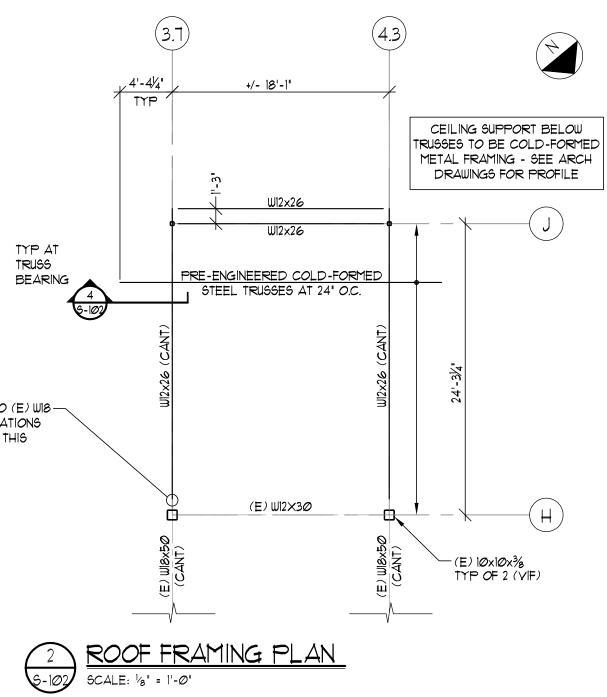
3) "CX", "PX", AND "FX" DESIGNATE COLUMN, PER, AND FOOTING SIZES, RESPECTIVELY. SEE SHEET S-101 FOR SCHEDULES.

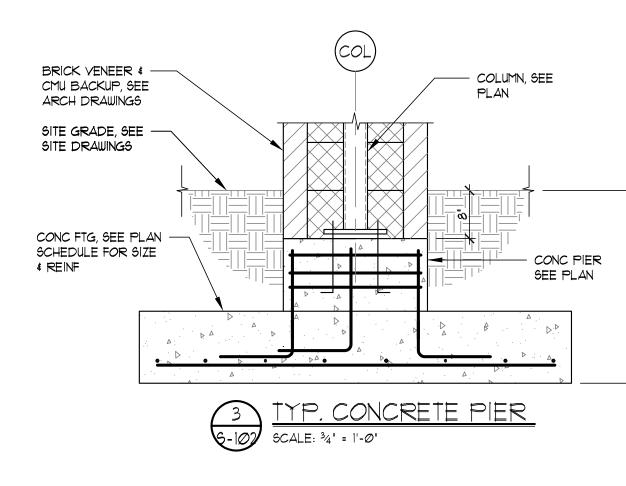






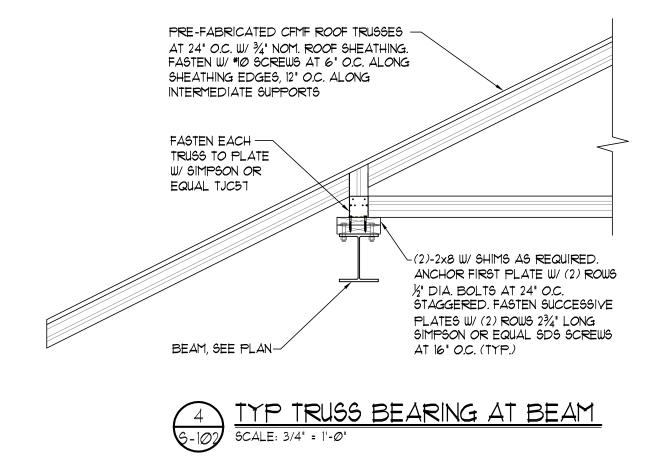
CHANNEL AT END OF EXISTING BEAM.

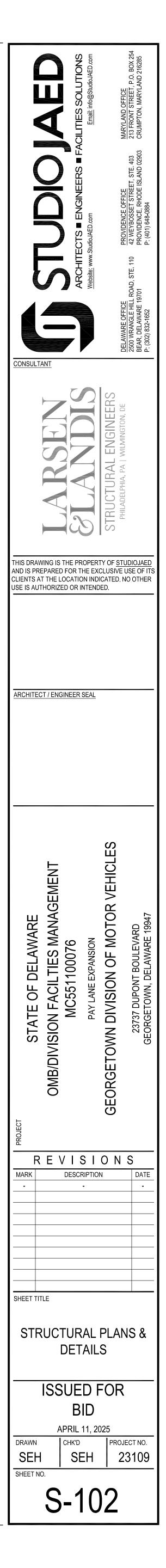




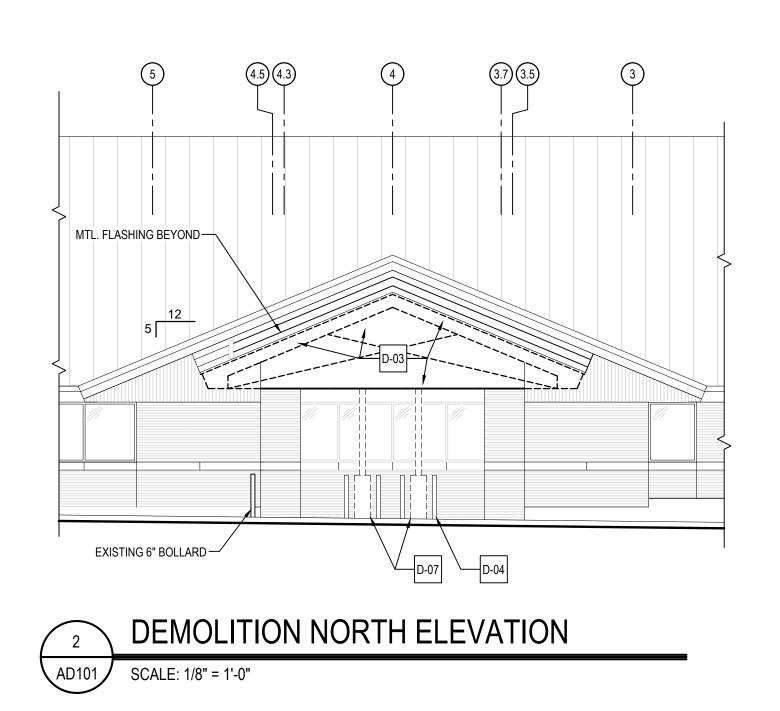
1) SEE STRUCTURAL NOTES SHEET S-101.

2) TOP OF STEEL = $12'-3\frac{1}{2}''$ RELATIVE TO EXISTING FINISHED FLOOR ELEVATION IN INSPECTION LANES BUILDING = 0'-0" (REF EL. 49,00). TOP OF STEEL ELEVATIONS NOTED $\pm(\times'-\times'')$ ARE RELATIVE TO 12'-3¹/₂". 3) SEE DETAIL 6/6-102 FOR TYPICAL BEAM OVER COLUMN DETAIL.

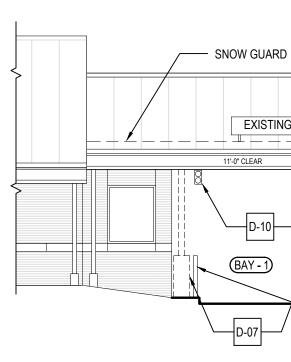


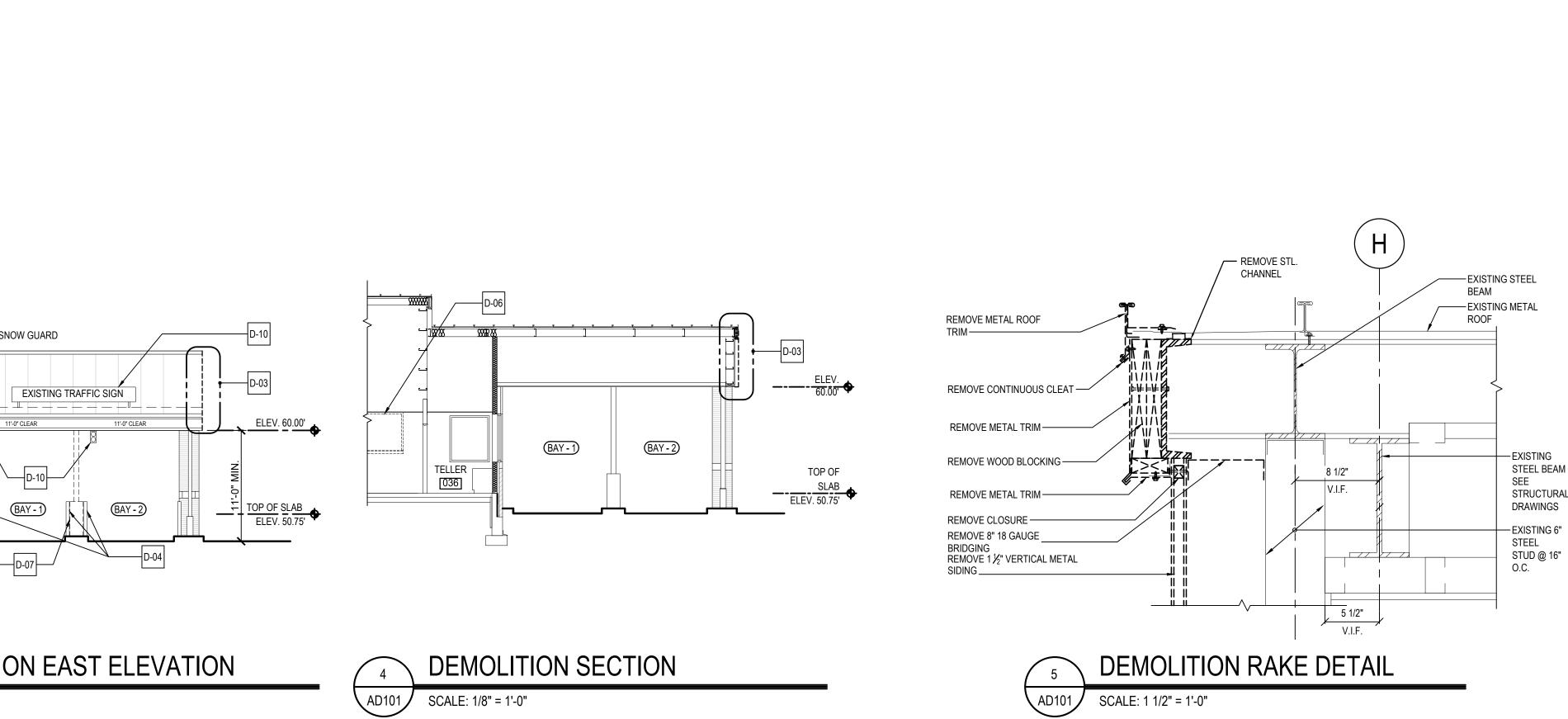


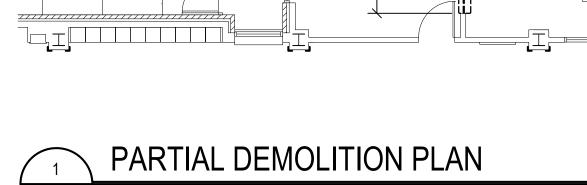






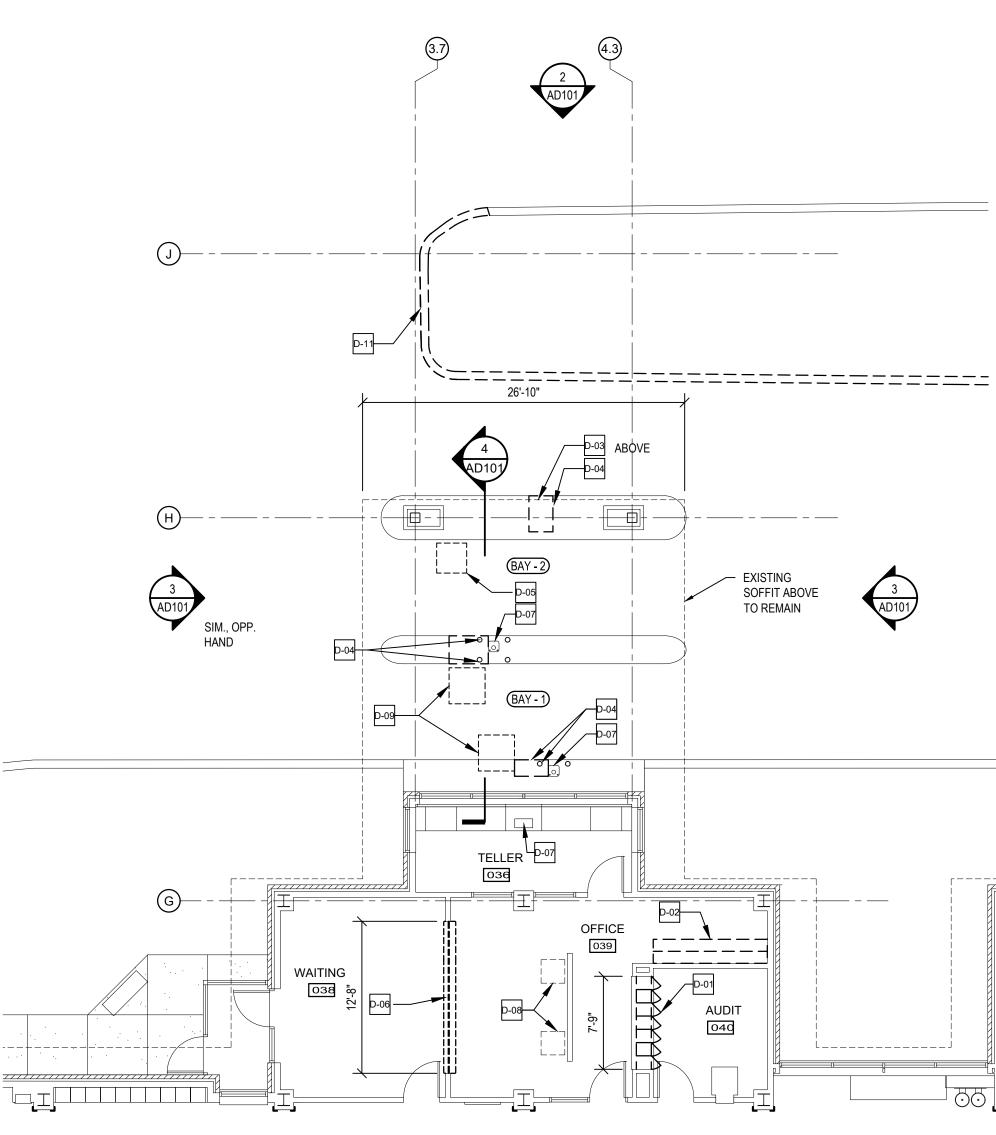


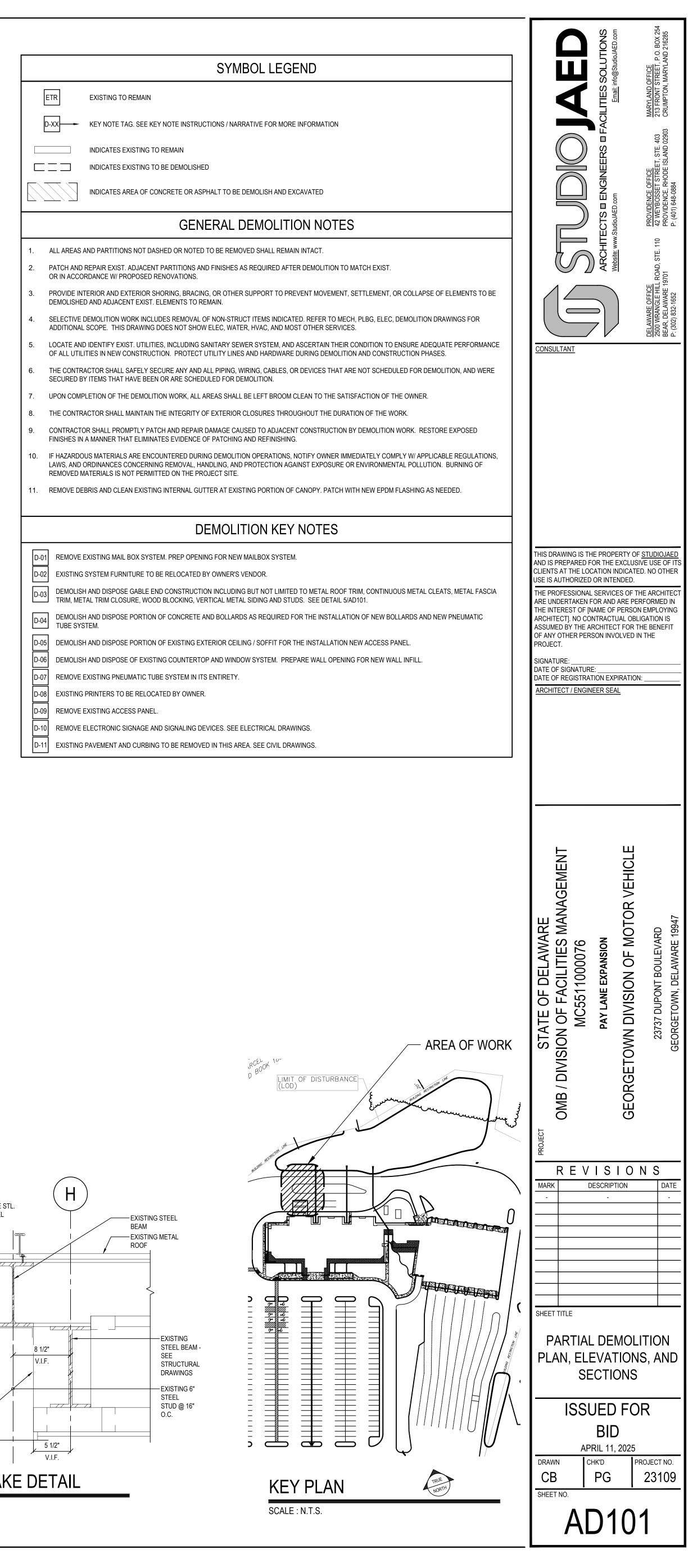


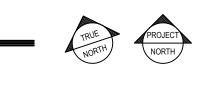


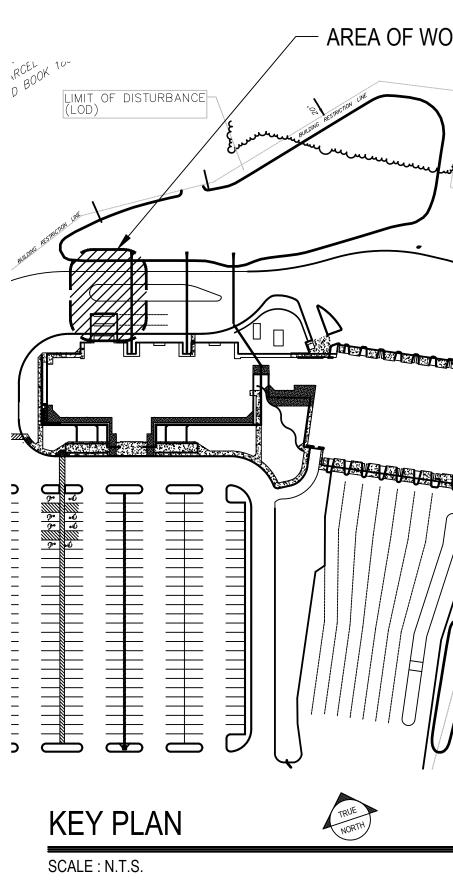
AD101

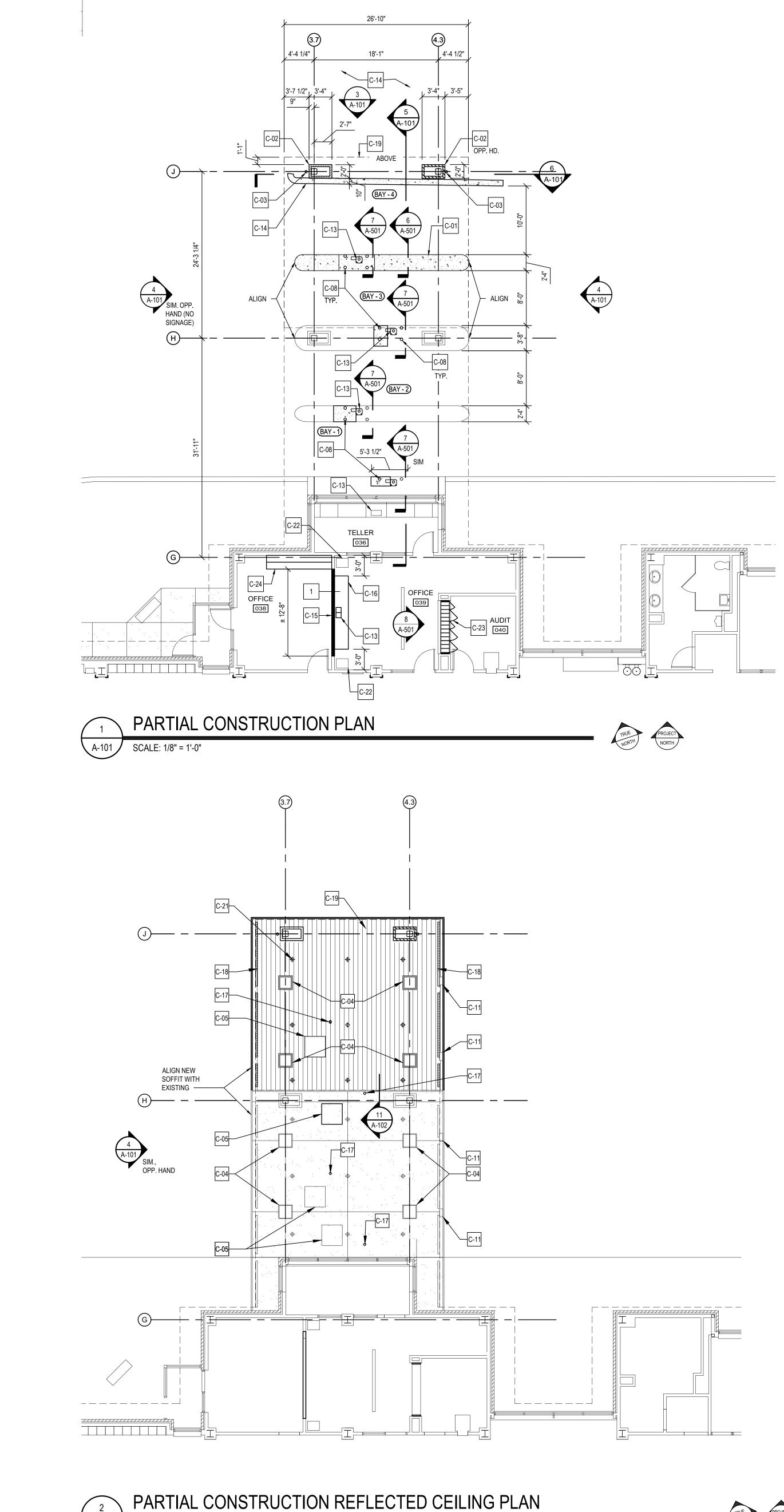
SCALE: 1/8" = 1'-0"





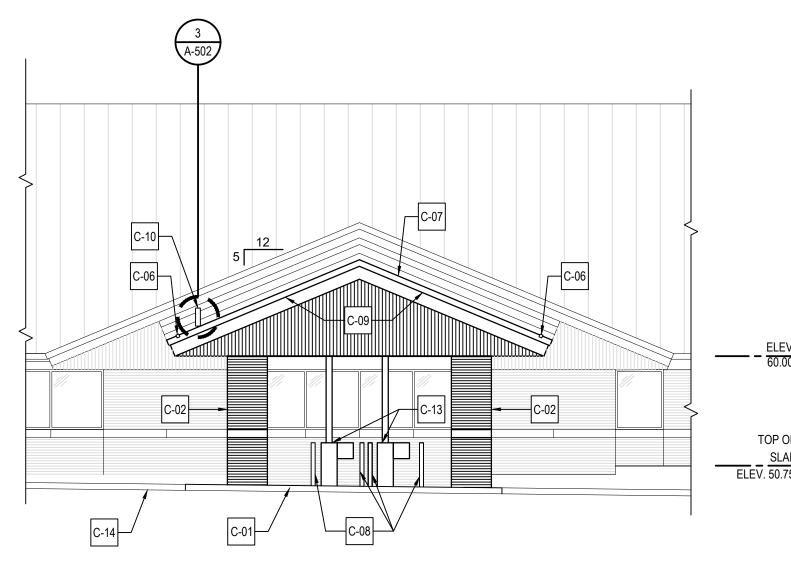






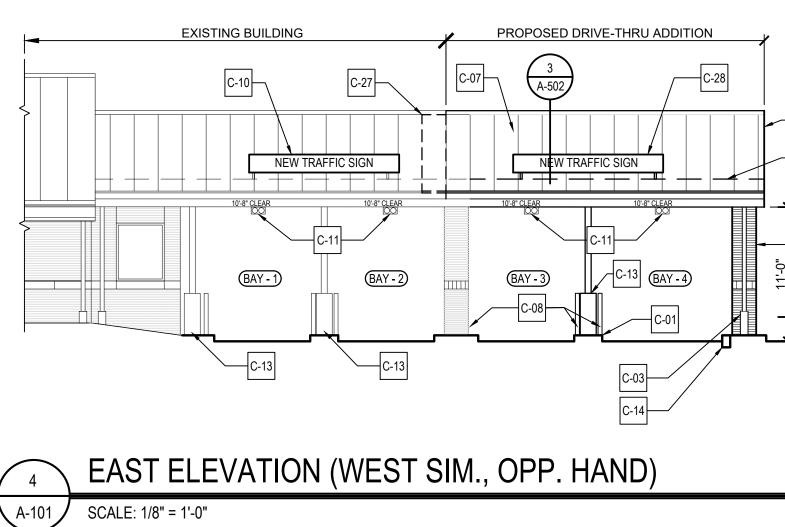
A-101 SCALE: 1/8" = 1'-0"

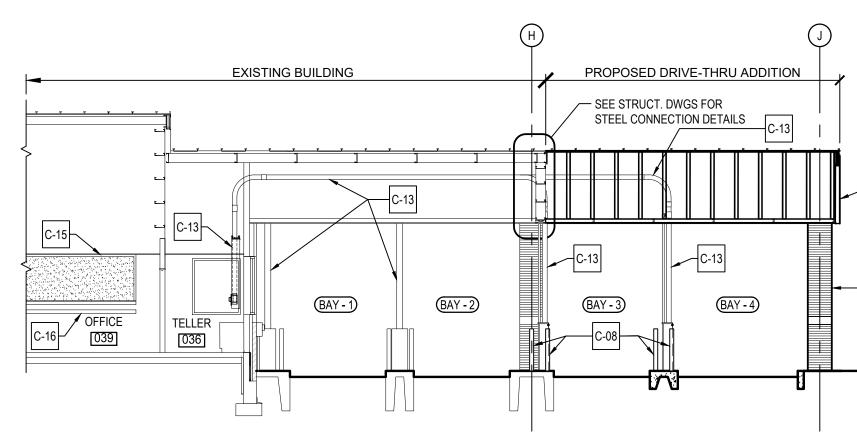
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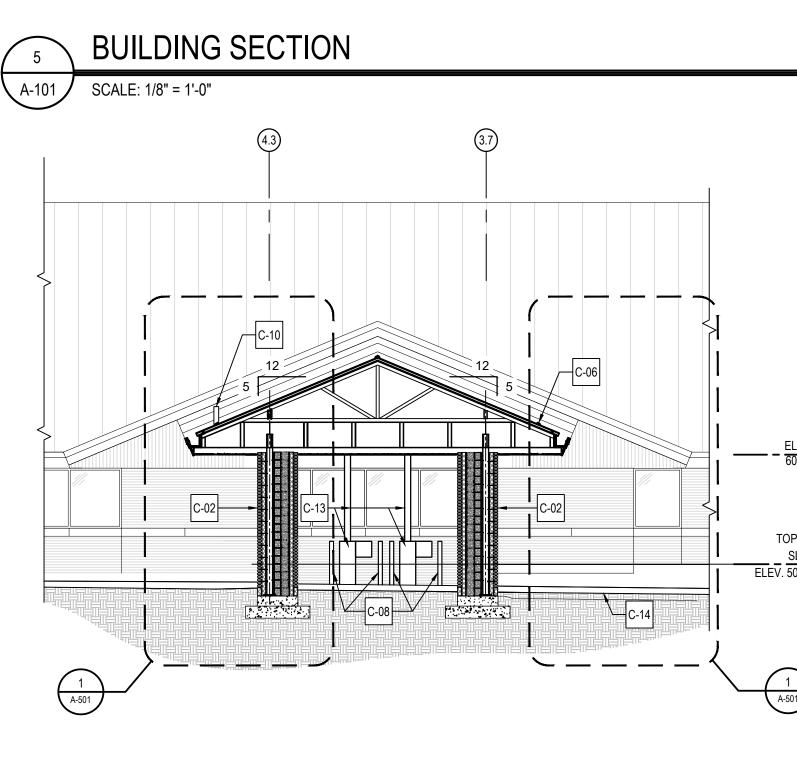


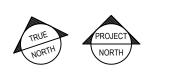
 3
 NORTH ELEVATION

 3
 A-101
 SCALE: 1/8" = 1'-0"



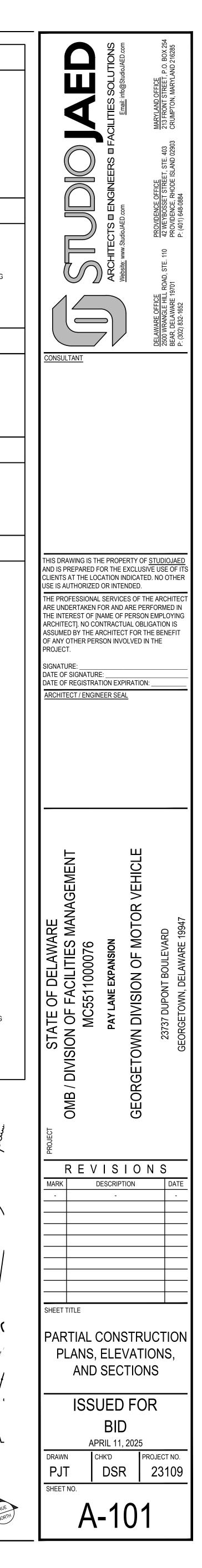


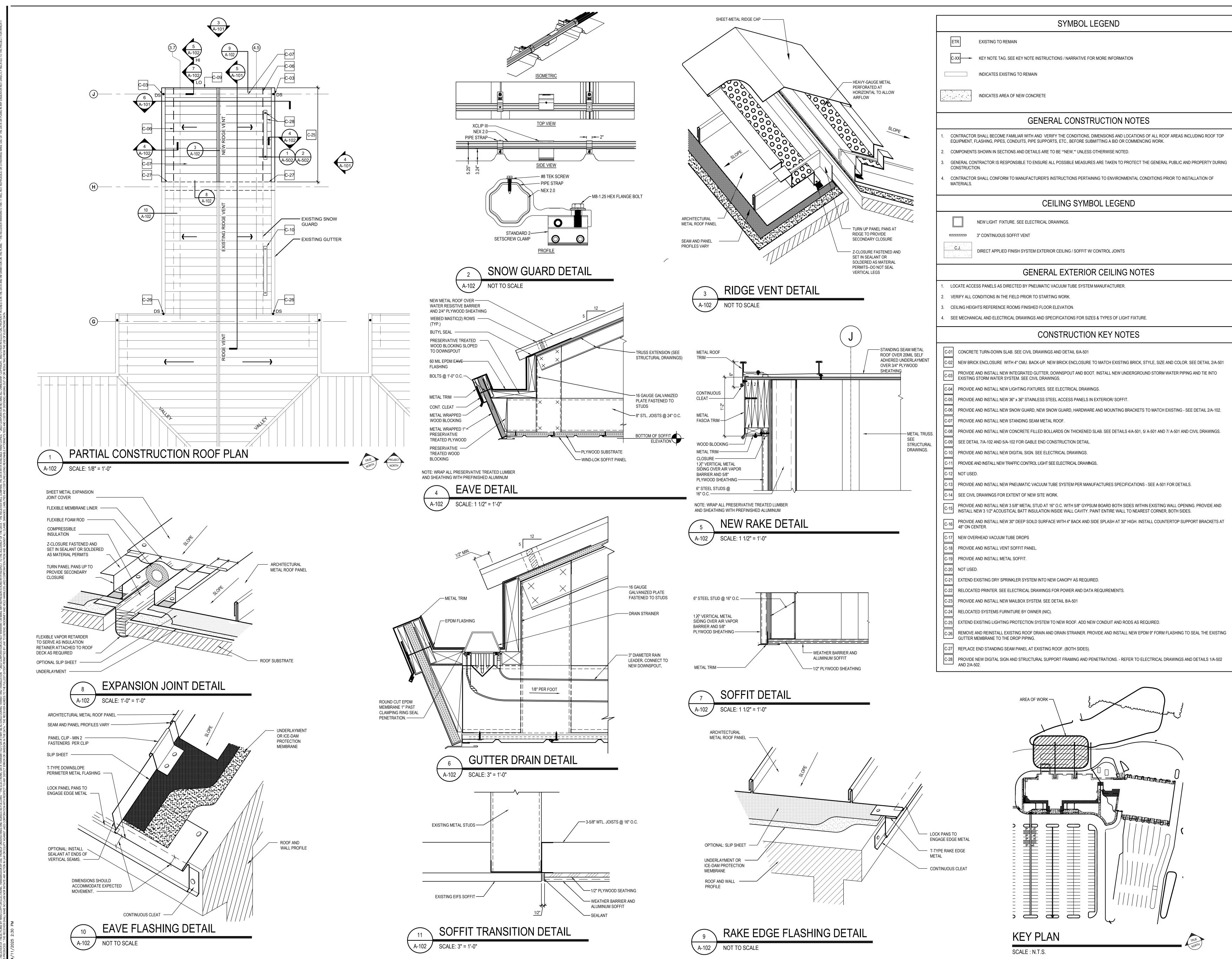




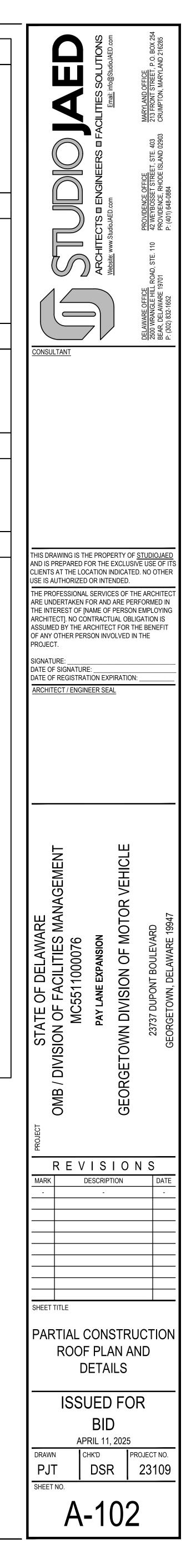


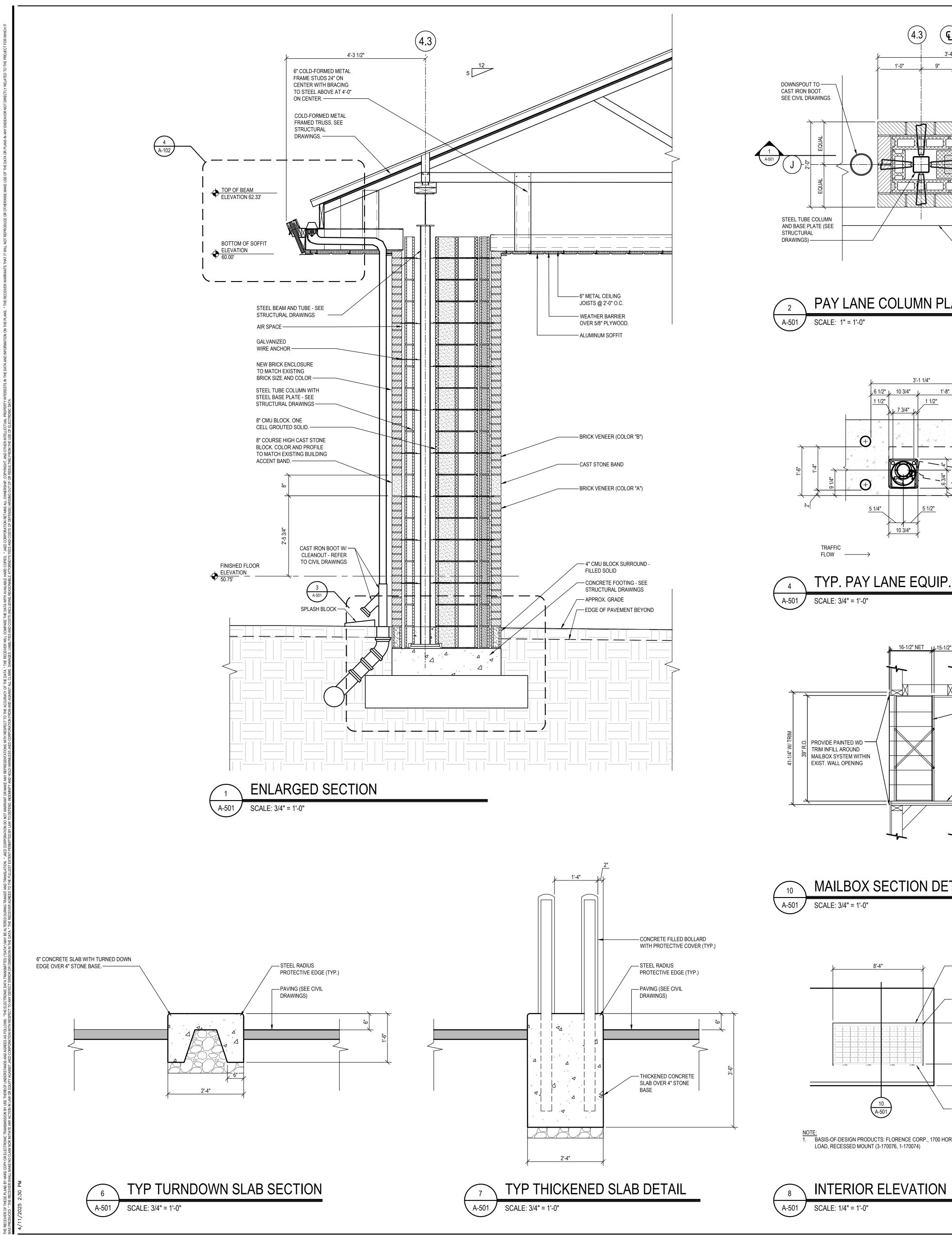
	SYMBOL LEGEND
	ETR EXISTING TO REMAIN
	C-XX KEY NOTE TAG. SEE KEY NOTE INSTRUCTIONS / NARRATIVE FOR MORE INFORMATION
	INDICATES EXISTING TO REMAIN
	INDICATES AREA OF NEW CONCRETE
	GENERAL CONSTRUCTION NOTES
	1. CONTRACTOR SHALL BECOME FAMILIAR WITH AND VERIFY THE CONDITIONS, DIMENSIONS AND LOCATIONS OF ALL ROOF AREAS INCLUDING ROOF TOP
EV. 00' ◆	EQUIPMENT, FLASHING, PIPES, CONDUITS, PIPE SUPPORTS, ETC., BEFORE SUBMITTING A BID OR COMMENCING WORK. 2. COMPONENTS SHOWN IN SECTIONS AND DETAILS ARE TO BE "NEW," UNLESS OTHERWISE NOTED.
	3. GENERAL CONTRACTOR IS RESPONSIBLE TO ENSURE ALL POSSIBLE MEASURES ARE TAKEN TO PROTECT THE GENERAL PUBLIC AND PROPERTY DURING CONSTRUCTION.
OF AB 75'	 CONTRACTOR SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS PERTAINING TO ENVIRONMENTAL CONDITIONS PRIOR TO INSTALLATION OF MATERIALS.
	CEILING SYMBOL LEGEND
	NEW LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
	3" CONTINUOUS SOFFIT VENT
	1. LOCATE ACCESS PANELS AS DIRECTED BY PNEUMATIC VACUUM TUBE SYSTEM MANUFACTURER.
	2. VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO STARTING WORK.
C-09	 CEILING HEIGHTS REFERENCE ROOMS FINISHED FLOOR ELEVATION. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR SIZES & TYPES OF LIGHT FIXTURE.
C-06	CONSTRUCTION KEY NOTES
← ← <u>ELEV.</u> 60.00' ◆	C-01 CONCRETE TURN-DOWN SLAB. SEE CIVIL DRAWINGS AND DETAIL 6/A-501
C-02	C-02 NEW BRICK ENCLOSURE WITH 4" CMU. BACK-UP. NEW BRICK ENCLOSURE TO MATCH EXISTING BRICK, STYLE, SIZE AND COLOR. SEE DETAIL 2/A-501 PROVIDE AND INSTALL NEW INTEGRATED GUTTER, DOWNSPOUT AND BOOT. INSTALL NEW UNDERGROUND STORM WATER PIPING AND TIE INTO EXISTING STORM WATER SYSTEM. SEE CIVIL DRAWINGS
ELEV. 50.75	C-03 EXISTING STORM WATER SYSTEM. SEE CIVIL DRAWINGS. C-04 PROVIDE AND INSTALL NEW LIGHTING FIXTURES. SEE ELECTRICAL DRAWINGS.
TOP OF GRADE ELEV. 48.50	C-05 PROVIDE AND INSTALL NEW 36" x 36" STAINLESS STEEL ACCESS PANELS IN EXTERIOR/ SOFFIT. C-06 PROVIDE AND INSTALL NEW SNOW GUARD, NEW SNOW GUARD, HARDWARE AND MOUNTING BRACKETS TO MATCH EXISTING - SEE DETAIL 2/A-102.
	C-07 PROVIDE AND INSTALL NEW STANDING SEAM METAL ROOF.
	C-08 PROVIDE AND INSTALL NEW CONCRETE FILLED BOLLARDS ON THICKENED SLAB. SEE DETAILS 4/A-501, 5/ A-501 AND 7/ A-501 AND CIVIL DRAWINGS. C-09 SEE DETAIL 7/A-102 AND 5/A-102 FOR GABLE END CONSTRUCTION DETAIL.
	C-10 PROVIDE AND INSTALL NEW DIGITAL SIGN. SEE ELECTRICAL DRAWINGS. C-11 PROVIDE AND INSTALL NEW TRAFFIC CONTROL LIGHT SEE ELECTRICAL DRAWINGS.
	C-12 NOT USED.
	C-13 PROVIDE AND INSTALL NEW PNEUMATIC VACUUM TUBE SYSTEM PER MANUFACTURES SPECIFICATIONS - SEE A-501 FOR DETAILS. C-14 SEE CIVIL DRAWINGS FOR EXTENT OF NEW SITE WORK.
	C-15 PROVIDE AND INSTALL NEW 3 5/8" METAL STUD AT 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES WITHIN EXISTING WALL OPENING. PROVIDE AND INSTALL NEW 3 1/2" ACOUSTICAL BATT INSULATION INSIDE WALL CAVITY. PAINT ENTIRE WALL TO NEAREST CORNER, BOTH SIDES.
	C-16 PROVIDE AND INSTALL NEW 30" DEEP SOILD SURFACE WITH 4" BACK AND SIDE SPLASH AT 30" HIGH. INSTALL COUNTERTOP SUPPORT BRACKETS AT 48" ON CENTER.
	C-17 NEW OVERHEAD VACUUM TUBE DROPS C-18 PROVIDE AND INSTALL VENT SOFFIT PANEL.
	C-19 PROVIDE AND INSTALL METAL SOFFIT.
C-09 <u>ELEV.</u> ◆	C-20 NOT USED. C-21 EXTEND EXISTING DRY SPRINKLER SYSTEM INTO NEW CANOPY AS REQUIRED.
	C-22 RELOCATED PRINTER. SEE ELECTRICAL DRAWINGS FOR POWER AND DATA REQUIREMENTS. C-23 PROVIDE AND INSTALL NEW MAILBOX SYSTEM. SEE DETAIL 8/A-501
TOP OF	C-24 RELOCATED SYSTEMS FURNITURE BY OWNER (NIC).
ELEV. 50.75'	C-25 EXTEND EXISTING LIGHTING PROTECTION SYSTEM TO NEW ROOF. ADD NEW CONDUIT AND RODS AS REQUIRED. C-26 REMOVE AND REINSTALL EXISTING ROOF DRAIN AND DRAIN STRAINER. PROVIDE AND INSTALL NEW EPDM 9" FORM FLASHING TO SEAL THE EXISTING GUTTER MEMBRANE TO THE DROP PIPING.
	C-27 REPLACE END STANDING SEAM PANEL AT EXISTING ROOF. (BOTH SIDES).
	C-28 PROVIDE NEW DIGITAL SIGN AND STRUCTURAL SUPPORT FRAMING AND PENETRATIONS REFER TO ELECTRICAL DRAWINGS AND DETAILS 1/A-502 AND 2/A-502.
	AREA OF WORK
	AREA OF WORK
	automo assimily TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
:LEV. 0.00' •	3-5/8" MTL. STUDS @ 16" O.C. W/ SOUND BATT INSULATION (STC RATING 45)
50.00 ^r •	
P OF	
SLAB 50.75' •	
OPP HAND	
	$ \overset{\bullet}{=} \overset{\bullet}{=} \overset{\bullet}{=} \overset{\frown}{\smile} \overset{\frown}{\bigcirc} \overset{\bullet}{\bigcirc} \overset{\bullet}{\frown} \overset{\bullet}{\bigcirc} \overset{\bullet}{\bigcirc} \overset{\bullet}{\frown} \overset{\bullet}{\bigcirc} \overset{\bullet}{\frown} \overset{\bullet}{\bigcirc} \overset{\bullet}{\frown} \overset{\bullet}{\frown} \overset{\bullet}{\bigcirc} \overset{\bullet}{\frown} \overset{\bullet}{\frown} \overset{\bullet}{\bigcirc} \overset{\bullet}{\frown} \overset{\bullet}{\bullet} \bullet$
WALL T	
A-101 SCALE: 1 1/2" =	

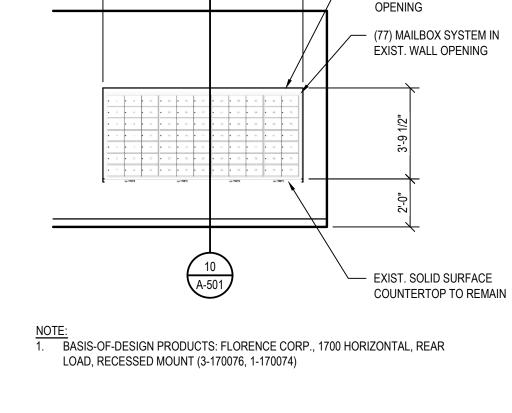




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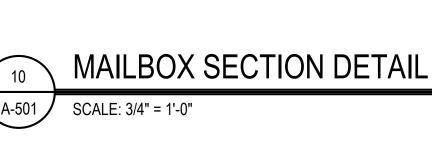


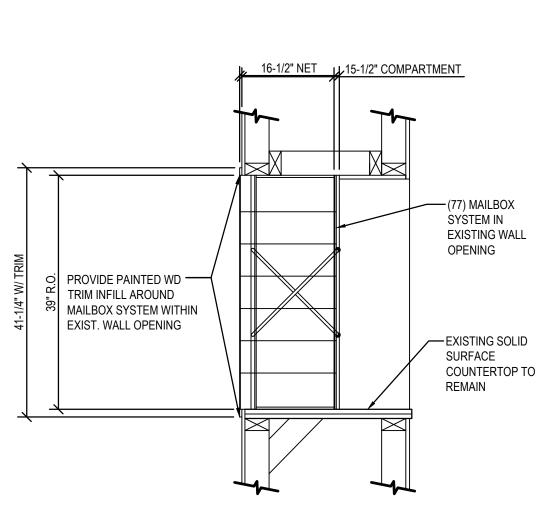




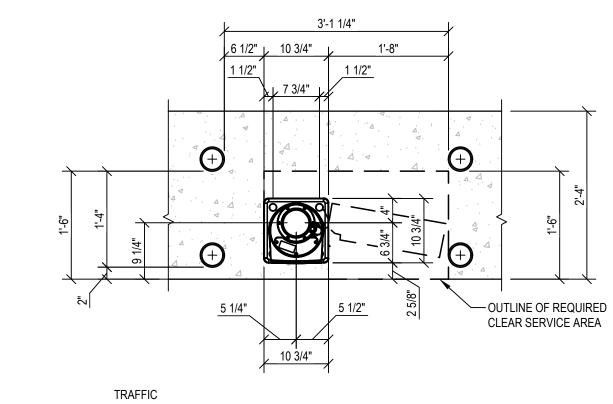
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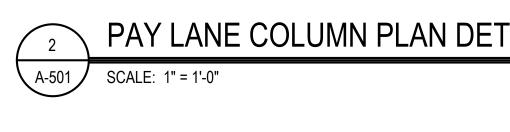
INFILL AROUND MAILBOX SYSTEM WITHIN EXIST. WALL

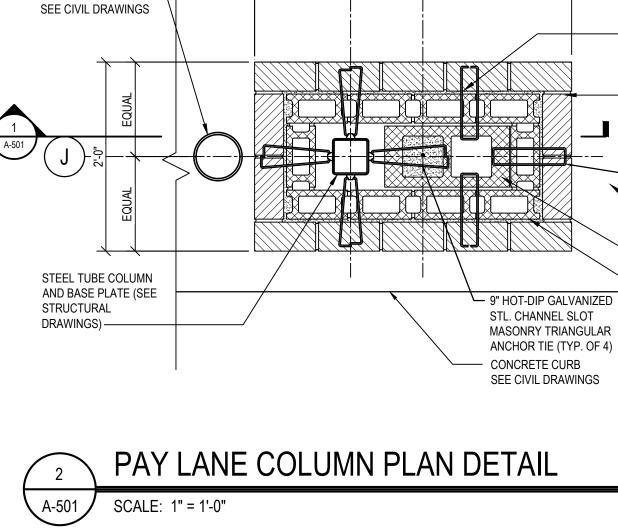


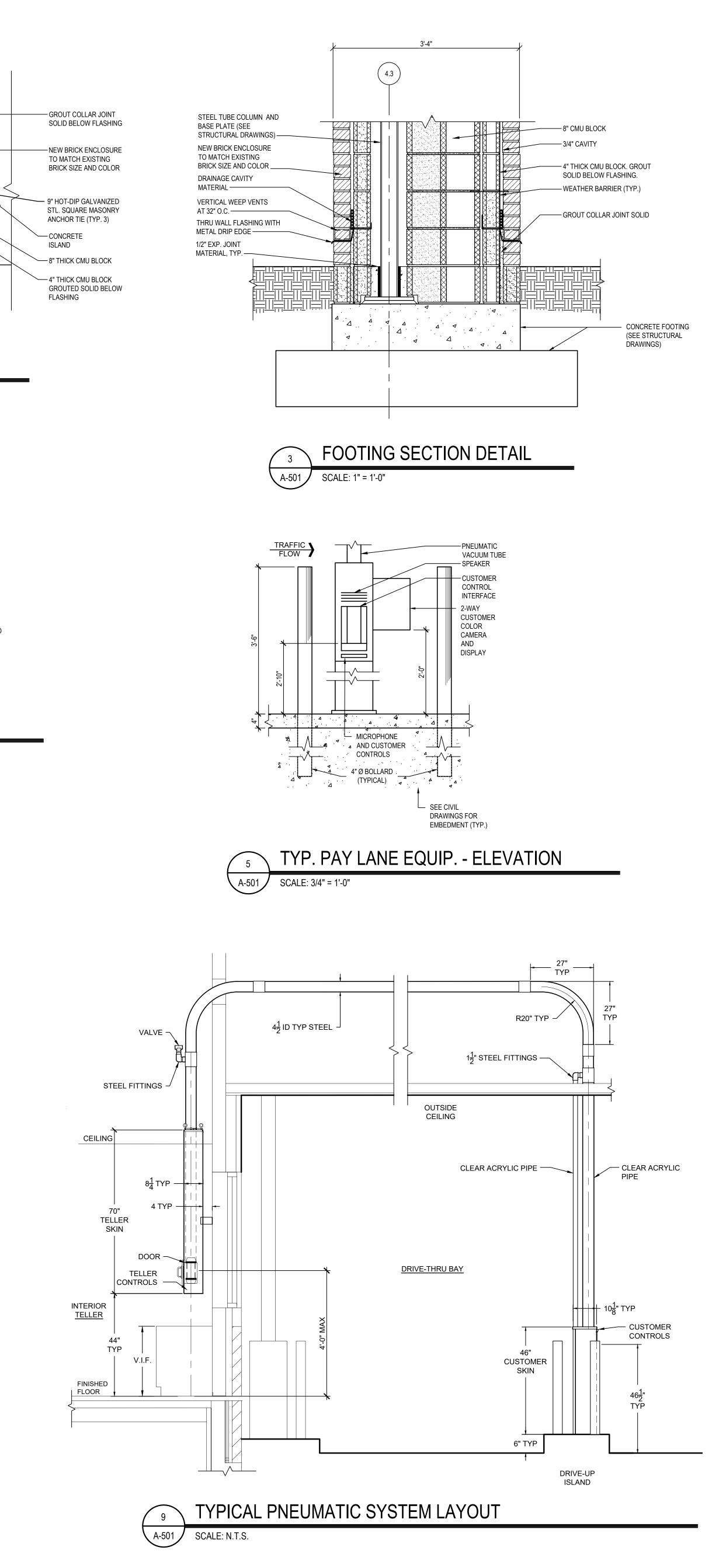


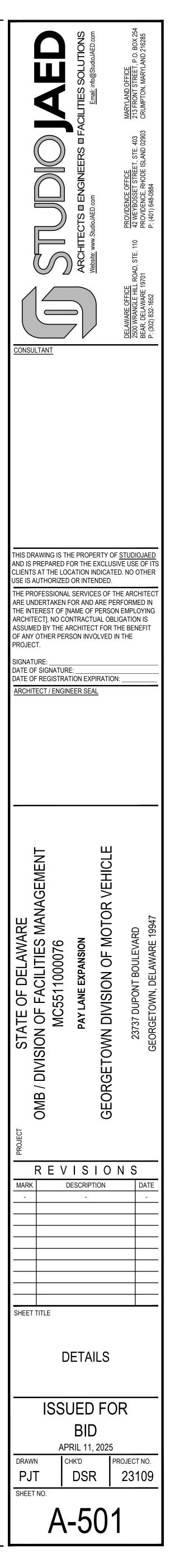


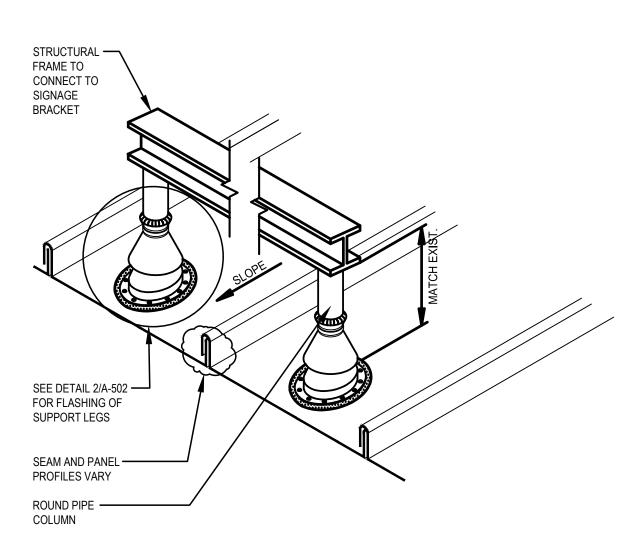












WIDTH OF EQUIPMENT	CLEARANCE
UP TO 24"	14"
25" TO 36"	18"
37" TO 48"	24"
49" TO 60"	30"
61" AND WIDER	48"

NOTES:

1. DECK SUBSTRATE, UNDERLAYMENT AND SLIP SHEET ARE NOT SHOWN FOR CLARITY. 2. NRCA STRONGLY RECOMMENDS PENETRATIONS SHOULD NOT INTERFERE WITH PANEL SEAMS OR OCCUR AT TRANSVERSE SEAMS. 3. WHEN FIELD PANELS OVERLAP AT THE PENETRATION, ATTACHMENT OF THE OVERLAPPING PANELS TO EACH OTHER IS NECESSARY. 4. REFER TO THE AM/STM/SVM INTRODUCTION FOR ADDITIONAL INFORMATION.

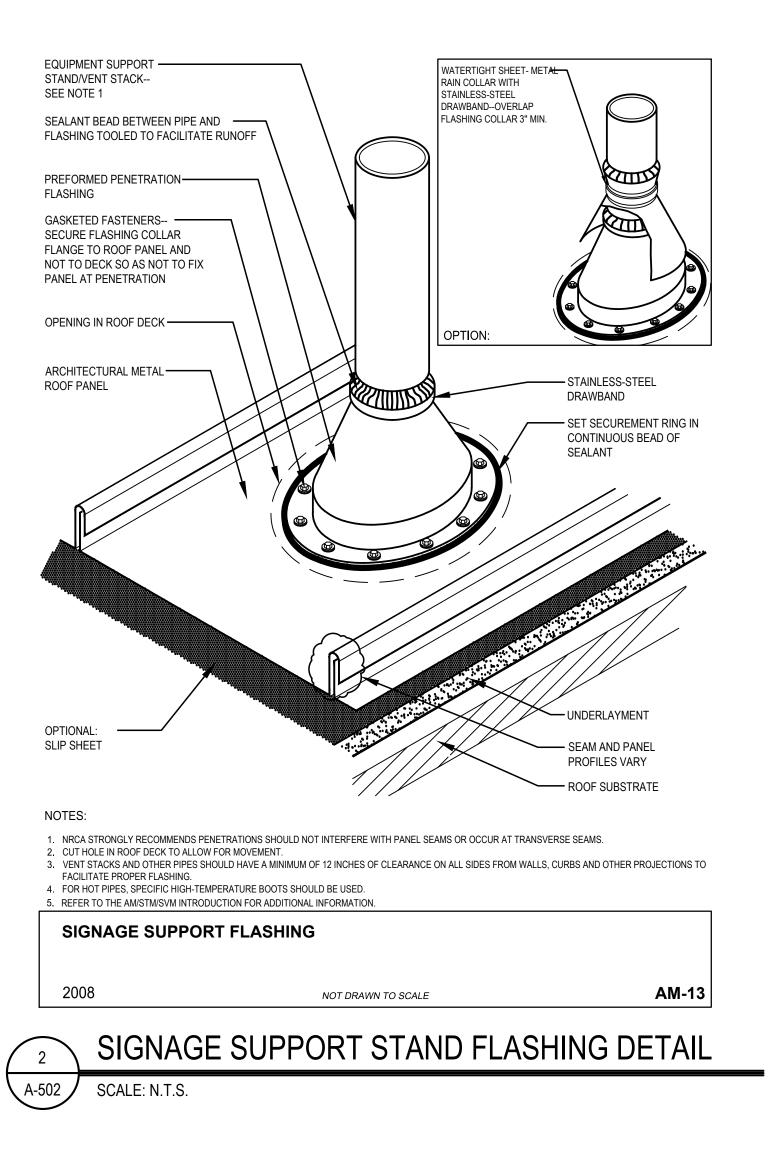
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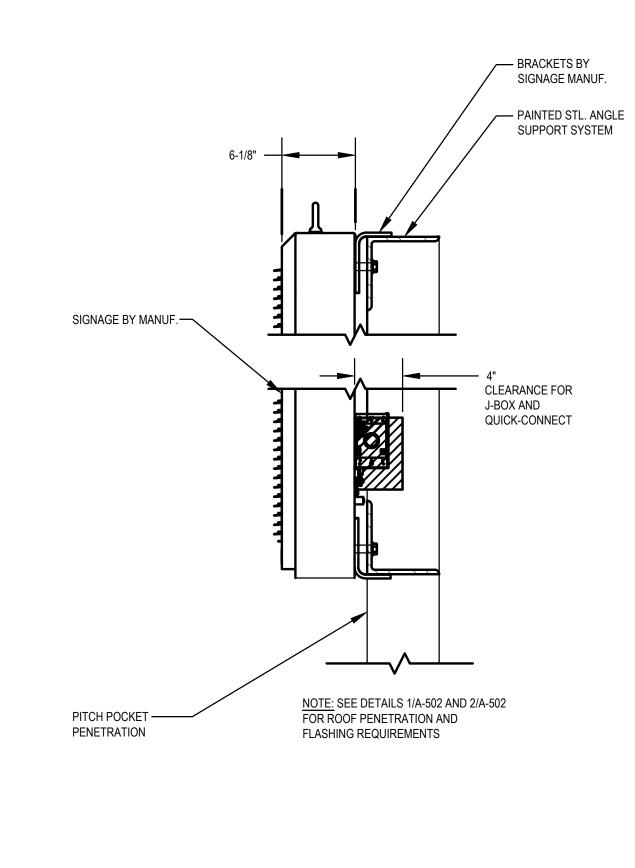
AM-12

SIGNAGE SUPPORT STAND

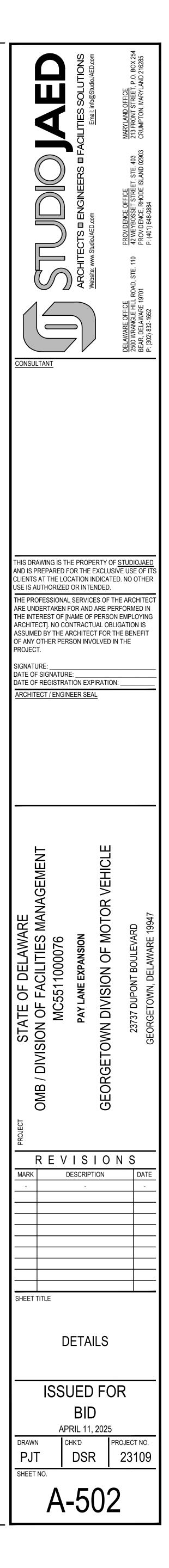
2008

SIGNAGE SUPPORT STAND DETAIL $\overline{1}$ A-502 SCALE: N.T.S.









	
Power Dev	
φ	GENERAL PURPOSE RECESSED SINGLE RECEPTACLE - 20AMP, 125VOLTS, NEMA5-20R, TAMPER RESISTANT. ELECTRICAL BOX TO BE 2-1/8" DEEP.
φ	GENERAL PURPOSE DUPLEX RECEPTACLE - 20AMP, 125VOLTS, NEMA5-20R, TAMPER RESISTANT. ELECTRICAL BOX TO BE 2-1/8" DEEP.
#	GENERAL PURPOSE QUADRUPLEX RECEPTACLE - 20AMP, 125VOLTS, NEMA5-20R, TAMPER RESISTANT. ELECTRICAL BOX TO BE 2-1/8" DEEP (MIN.).
GFCI₽ <u>OR</u> ₽	GENERAL PURPOSE GFCI RECEPTACLE (DUPLEX OR QUADRUPLEX) - 20AMP, 125VOLTS, NEMA5-20R, TAMPER RESISTANT. ELECTRICAL BOX TO BE 2-1/8" DEEP.
WP/GFCI	GENERAL PURPOSE GFCI DUPLEX RECEPTACLE - 20AMP, 125VOLTS, NEMA5-20R, TAMPER RESISTANT. ELECTRICAL BOX TO BE 2-1/8" DEEP. OUTLETS INSTALLED OUTDOORS OR ON ROOF SHALL HAVE DIECAST ALUMINUM BOX 2-1/8" DEEP (MIN.), AND WHILE IN USE WEATHERPROOF COVER; THOMAS&BETTS CKSUV OR APPROVED EQUAL.
B	JUNCTION BOX
SM	FRACTIONAL HORSEPOWER MOTOR STARTER WITH OVERLOAD IN NEMA 1 ENCLOSURE; SQ'D FG2P OR APPROVED EQUAL FOR INDOORS, FW2P FOR OUTDOORS WITH NEMA 4 ENCLOSURE
	NON-FUSED DISCONNECT SWITCH-HEAVY DUTY, 3POLE WITH FUSE CLIPS SUITABLE FOR CLASS "R" FUSES. NEMA1 UNLESS NOTED. WP-WEATHER PROOF-NEMA3R ENCLOSURE. DO NOT INSTALL ON TOP OF EQUIPMENT LABELS OR NAMEPLATES.
ď	FUSED DISCONNECT SWITCH-HEAVY DUTY, 3POLE WITH FUSE CLIPS SUITABLE FOR CLASS "R" FUSES. NEMA1 UNLESS NOTED. WP-WEATHER PROOF-NEMA3R ENCLOSURE. (NOMENCLATURE: 30A/20A = SWITCH SIZE/FUSE SIZE). SQ D CLASS
×	3110 OR EQUAL. DO NOT INSTALL ON TOP OF EQUIPMENT LABELS OR NAMEPLATES. COMBINATION MAGNETIC STARTER, FUSIBLE DISCONNECT SWITCH TYPE, 3POLE, FULL VOLTAGE NON-REVERSIBLE TYPE WITH: FUSED CONTROL TRANSFORMER, BI-METALLIC OVERLOAD RELAYS, ON/OFF PUSH BUTTONS OR HAND-OFF- AUTO.SELECTOR SWITCH, (1)N.O./(1)N.C., AUXILIARY CONTACTS AND LED PILOT LIGHT, CLASS "R" FUSE CLIPS. NEMA1 ENCLOSURE UNLESS NOTED- SQ D CLASS 8538 OR EQUAL. NEMA 1 - SIZE 1.
0	LIGHTNING PROTECTION AIR TERMINAL
il.	LIGHTING PROTECTION DOWN CONDUCTOR CONNECTION TO GROUND ROD
_ighting Co	ntrols
\$	WALL SWITCH - 20A, 120/277V, SINGLE POLE, HEAVY DUTY, TOGGLE TYPE
\$ ₃	WALL SWITCH (3-WAY) - 20A, 120/277V, SINGLE POLE, HEAVY DUTY, TOGGLE TYPE
\$ 4	WALL SWITCH (4-WAY) - 20A, 120/277V, SINGLE POLE, HEAVY DUTY, TOGGLE TYPE
\$ _T	DIGITAL TIMER SWITCH - HUBBELL / DT5060W OR APPROVED EQUAL. PROVIDE LOW VOLTAGE WIRING BETWEEN SWITCH AND LIGHT FIXTURES.
\$ _{3K}	KEYED WALL SWITCH (3-WAY) - 20A, 120/277V, SINGLE POLE, HEAVY DUTY, TOGGLE TYPE
\$ _{MS}	WALL SWITCH (MOTION SENSOR) - 1000W, 120/277V. LEGRAND-DSW-301-W OR APPROVED EQUAL.
\$ _{DMS}	WALL SWITCH (DIMMING MOTION SENSOR) - 20A, 120/277V, SINGLE POLE, HEAVY DUTY, TOGGLE TYPE. PROVIDE 0-10V WIRING BETWEEN LIGHT FIXTURES AND DIMMER SWITCH. LEGRAND-DW-311 OR APPROVED EQUAL.
\$ _D	SLIDING DIMMER WITH ON/OFF SWITCH, RATED FOR 120/277V - 10/5 AMP, LEGRAND / CD4FBL3P OR APPROVED EQUAL. COLOR TO BE SELECTED BY ARCHITECT. PROVIDE LOW VOLTAGE WIRING BETWEEN SWITCH AND LIGHT FIXTURES.
EL	EMERGENCY LIGHTING CONTROL UNIT. WATTSTOPPER: ELCU-200 OR APPROVED EQUAL. SEE EMERGENCY LIGHTING RELAY DETAIL.
MS	MOTION SENSOR, CEILING MOUNTED, 2000 SQFT - HUBBELL / OMNI-DT-2000 OR APPROVED EQUAL. PROVIDE LOW VOLTAGE WIRING TO POWER PACK.
PP	POWER PACK - HUBBELL / UVPP OR APPROVED EQUAL. PROVIDE LOW VOLTAGE WIRING TO MOTION SENSOR. CONNECT TO LOCAL LIGHTING CIRCUIT WITH 2#12 + 1#12G - 3/4"C WIRING.
P	PHOTOCELL - WALL MOUNTED, NORTH FACING, LINE VOLTAGE RATED 120/277V; TORK NSI INDUSTRIES / 2020 SERIES OR APPROVED EQUAL.
Fire Alarm	Devices
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL
	MANUAL STATION - PULL STATION/FIRE ALARM BOX
	FIELD CONFIGURABLE NOTIFICATION DEVICE (AUDIO/VISUAL) (WALL MOUNTED OR CEILING MOUNTED) - HORN WITH STROBE AS SINGLE ASSEMBLY, REQUIRED CANDELA RATING 'X' INDICATED "X cd". CONTRACTOR TO FIELD VERIFY THAT THE BUILDING DOES NOT HAVE A VOICE EVACUATION SYSTEM. PROVIDE A SPEAKER STROBE IF THERE IS A VOICE
X 30cd	EVACUATION SYSTEM. NOTIFICATION DEVICE (VISUAL) - STROBE ASSEMBLY. REQUIRED CANDELA RATING 'X' INDICATED "x cd".
٢	DETECTION DEVICE - SMOKE DETECTOR - PHOTOELECTRIC PRODUCTS OF COMBUSTION DETECTOR
Communica	ation Devices
X	TELECOMMUNICATION OUTLET - DATA WIRING DEVICE WITH RJ45, CAT6 JACKS. PROVIDE 4-PAIR, CAT-6 CABLE BETWEEN EACH JACK AND IDF, (TR) ROOM WITH ADEQUATE SLACK FOR FINAL TERMINATION TO NETWORK OR TELEPHONE PATCH PANEL. NUMBER INSCRIBED IN TRIANGLE SHOWS NUMBER OF JACKS/DROPS AT THAT OUTLET LOCATION. ELECTRICAL BOX TO BE 2-1/8" DEEP.
	TELECOMMUNICATION OUTLET - COMBINATION DATA/VOICE WIRING DEVICE WITH (1) RJ45, CAT5E JACK FOR VOICE AND (2) RJ45, CAT5E JACK FOR DATA. PROVIDE 4-PAIR, CAT-6 CABLE BETWEEN EACH JACK AND IDF, (TR) ROOM WITH ADEQUATE SLACK FOR FINAL TERMINATION TO NETWORK OR TELEPHONE PATCH PANEL. ELECTRICAL BOX TO BE 2-1/8" DEEP.
-WAP-	WIRELESS ACCESS POINT
PA	PUBLIC ADDRESS SPEAKER
SP	1X2 CEILING SPEAKER
©	CAMERA
РВ	PANIC BUTTON

- EDITION OF THE NATIONAL ELECTRIC CODE.

- REQUIRE MINOR ADJUSTMENT IN THE FIELD TO SATISFY THE DESIGN INTENT.
- NO ADDITIONAL EXPENSE TO THE OWNER. TRANSFORMERS, ETC. WITHIN 15 FEET OF THE LOCATION SHOWN.
- 12. REPAIR AND PATCH ANY DISTURBED AREAS TO MATCH ADJACENT CONSTRUCTION.
- OTHER TRADES PRIOR TO DEMOLITION.

- CIRCUITS. REFER TO SINGLE LINE DIAGRAM.

- THIS PROJECT. NOT LIMITED TO NFPA 110 AND NFPA 70.

- OUTAGES WITH OWNER REPRESENTATIVE.
- MAXIMUM LENGTH OF 6'-0".
- TROUGHS, AND SPLICE BOXES.
- POLE BRANCH CIRCUIT WIRING.

- CABLING; NO MC CABLE IS PERMITTED. GENERATOR BREAKER ACCORDINGLY.

FIRE ALARM SYSTEM:

PROVIDE NEW FIRE ALARM SYSTEM DEVICES AND CONNECT TO EXISTING FIRE ALARM SYSTEM (NOTIFIER LOCATED IN THE MAIN ELECTRICAL ROOM). ALL NEW DEVICES AND WIRING SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. PROVIDE REQUIRED TESTING AND INSPECTION AS REQUIRED BY STATE OF DELAWARE FIRE MARSHALL'S OFFICE.

ELECTRICAL GENERAL NOTES

1. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, COORDINATION, ADDITIONAL DESIGN AND ALL INCIDENTALS NECESSARY TO PROVIDE A COMPLETE AND OPERABLE SYSTEM AS DETAILED ON PLANS TO THE SATISFACTION OF THE ENGINEER AND THE OWNER. COORDINATE ALL WORK WITH THE ENGINEER BEFORE THE START OF WORK.

2. PRIOR TO SUBMITTING BID, THE CONTRACTOR SHALL VISIT THE SITE AND BE THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS AND PROPOSED CONSTRUCTION. CONTRACTOR SHALL INCLUDE IN THEIR BID ALL MATERIAL, LABOR, AND ALL INCIDENTALS FOR A COMPLETE INSTALLATION WHETHER SPECIFICALLY INDICATED OR NOT. ALL ERRORS, DISCREPANCIES AND MISSED ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER DURING THE BIDDING PROCESS BY THE CONTRACTOR. THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE. NO EXTRA COST WILL BE ALLOWED FOR ANY DISCREPANCY WHICH COULD HAVE BEEN NOTICED AT THE SITE VISIT BY THE CONTRACTOR.

3. PERFORM WORK AS REQUIRED BY APPLICABLE CODES, REGULATIONS, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS AND OTHER AUTHORITIES WITH LAWFUL JURISDICTION. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST

4. MATERIAL AND EQUIPMENT SHALL BE NEW (UNLESS NOTED), UL, NEMA, ANSI, IEEE, ADA & CMB APPROVED FOR INTENDED PURPOSE. MATERIAL AND INSTALLATION SHALL MEET REQUIREMENTS OF NATIONAL AND LOCAL ELECTRICAL CODE. 5. GIVE NOTICES, FILE PLANS, OBTAIN PERMITS, AND LICENSES, PAY FEES AND BACK CHARGES, AND OBTAIN NECESSARY

APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION. 6. MAINTAIN RECORD DRAWINGS ON SITE. RECORD SET MUST BE COMPLETE AND CURRENT AND AVAILABLE FOR INSPECTION

WHEN REQUISITIONS FOR PAYMENT ARE SUBMITTED. 7. GUARANTEE WORK IN WRITING PER SPECIFICATIONS, REPAIR OR REPLACE DEFECTIVE MATERIALS OR INSTALLATION AT NO

COST TO OWNER DURING THE GUARANTEE PERIOD. CORRECT DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENTS UNDER GUARANTEE AT NO COST TO OWNER. SUBMIT GUARANTEE TO OWNER BEFORE FINAL PAYMENT. 8. COORDINATE ALL ELECTRICAL ITEMS WITH EXISTING FIELD CONDITIONS. LOCATIONS SHOWN ARE APPROXIMATE AND MAY

9. DAMAGE TO EXISTING FACILITIES AND EQUIPMENT SHALL BE REPAIRED OR REPLACED IMMEDIATELY BY THE CONTRACTOR AT

10. THE LOCATIONS ON THESE PLANS ARE APPROXIMATE AND REQUIRE COORDINATION WITH ALL OTHER TRADES AND VERIFICATION OF EXISTING CONDITIONS. ROUTING OF CONDUIT IS DIAGRAMMATIC IN NATURE AND NOT INTENDED TO SHOW ALL REQUIRED OFFSETS AND DETAILS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING ASSOCIATED EQUIPMENT AND CONDITIONS. COORDINATE THE LOCATION OF ALL EQUIPMENT WITH THE ENGINEER AND THE OWNER. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL OTHER TRADE'S DRAWINGS AND SPECIFICATIONS AND COORDINATING WITH ALL OTHER TRADES DURING BIDDING AND CONSTRUCTION. THE CONTRACTOR IS TO INCLUDE CIRCUIT LENGTHS OF WIRE AND CONDUIT REQUIRED TO INSTALL CONNECTED DEVICES AND EQUIPMENT SUCH AS PANELBOARDS, SWITCHBOARDS,

11. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUITY OF ALL POWER, CONTROL, FIRE ALARM, SECURITY SYSTEMS, AND COMMUNICATIONS FUNCTIONS TO ALL AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.

13. DISCONNECT AND MAKE SAFE ANY EQUIPMENT TO BE REMOVED BY OTHERS. COORDINATE REMOVAL OF EQUIPMENT WITH

14. IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADE'S WORK, THIS CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ANY OR ALL ELECTRICAL ITEMS IN PATH OF WORK, REINSTALLING, AND RECONNECTING SAME AS REQUIRED, IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED AFTER COMPLETION OF OTHER TRADE'S WORK IN THAT AREA.

15. PRIOR TO THE START OF DEMOLITION, CONTRACTOR SHALL FIELD VERIFY ALL BRANCH CIRCUITS AND MAINTAIN THOSE CIRCUITS THAT EXTEND OUTSIDE THE SCOPE OF WORK.

16. AFTER RENOVATING EXISTING ELECTRICAL WORK, THE CONTRACTOR SHALL ENSURE THAT ALL REMAINING AND NEW EQUIPMENT WILL OPERATE PROPERLY, INCLUDING BUT NOT LIMITED TO BACKFEEDING OF EXISTING POWER AND LIGHTING

17. ALL ELECTRICAL WORK INDICATED TO REMAIN SHALL BE SUITABLY PROTECTED TO PREVENT ANY DAMAGE

18. WHERE ELECTRICAL SYSTEMS PASS THROUGH RENOVATED AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, SYSTEMS SHALL BE SUITABLY PROTECTED TO PREVENT DAMAGE OR RELOCATED AND THE SYSTEMS RESTORED TO NORMAL OPERATION. ANY OUTAGES IN SYSTEMS SHALL BE COORDINATED WITH OWNER. RESTORE POWER TO EXISTING TO REMAIN EQUIPMENT IF INTERRUPTED BY DEMOLISHED CIRCUITS IN THE AREA.

19. CONTRACTOR SHALL SUBMIT FOR REVIEW, SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS USED ON THE PROJECT. SUBMITTALS SHALL BE REVIEWED BY THE ENGINEER BEFORE PURCHASE OF MATERIALS.

20. ALL WIRING SHALL BE COPPER, 600V, 75°/90° RATED WITH FLAME-RETARDENT, HEAT AND MOISTURE RESISTANT INSULATION. ALL NEW PANELBOARDS AND SWITCHBOARDS SHALL BE PROVIDED WITH COPPER BUSBARS, COPPER NEUTRAL BARS, AND COPPER GROUND BARS. ALL NEW TRANSFORMERS SHALL HAVE COPPER WINDINGS.

21. PERMANENTLY LABEL ALL NEW ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, DEVICE DESIGNATION AND SUPPLY CIRCUIT DESIGNATION. UPDATE OR REPLACE PANEL DIRECTORIES TO INCLUDE NEW CIRCUIT INFORMATION RESULTING FROM

22. PROVIDE TEMPORARY POWER AND LIGHTING FOR ALL TRADES AS REQUIRED TO COMPLETE THE PROJECT. ALL TEMPORARY AND INTERIM EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS INCLUDING, BUT

23. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION THAT IS NOT SHOWN ON THE DRAWINGS.

24. OPENINGS IN EXISTING CONCRETE AND MASONRY WALLS AND FLOORS REQUIRED FOR CONDUIT INSTALLATION SHALL BE CORE DRILLED, MAXIMUM CORE DRILL SIZE SHALL BE 5" IN DIAMETER, CORE DRILL LOCATIONS SHALL BE SPACED A MINIMUM OF 6" FROM EACH OTHER MEASURED FROM THE OUTSIDE EDGE OF THE CORE DRILL. ALL CORE DRILL OPENINGS SHALL BE PROPERLY SEALED ACCORDING TO THEIR LOCATION AND APPLICATION.

25. ALL OUTAGES SHALL BE KEPT TO A MINIMUM. ALL WORK THAT REQUIRES A SUSTAINED EQUIPMENT OUTAGE SHALL BE PERFORMED CONTINUOUSLY AROUND THE CLOCK UNTIL WORK IS COMPLETED UNLESS NOTED OTHERWISE. COORDINATE

26. PROVIDE FOR EACH BRANCH CIRCUIT AND FEEDER CIRCUIT A DEDICATED EQUIPMENT GROUND WIRE. FOR SINGLE PHASE BRANCH CIRCUITS OF 120 V/1PH OR 277V/1 PH, PROVIDE DEDICATED HOT, DEDICATED NEUTRAL AND DEDICATED EQUIPMENT GROUND WIRES. SHARING OF NEUTRAL OR EQUIPMENT GROUND WIRES IS NOT PERMITTED. WIRING TO ALL HVAC EQUIPMENT OR OTHER TRADE EQUIPMENT SHALL BE IN CONDUIT. ALL EQUIPMENT AND FEEDER WIRING IN MECHANICAL ROOM/ELECTRICAL ROOM SHALL BE IN RIGID CONDUIT. WIRING TO OUTLETS ON TABLE SHALL BE PROVIDE IN EITHER EMT CONDUIT OR FLEXIBLE METAL CONDUIT. DO NOT USE PLASTIC TIE WRAPS TO SUPPORT CONDUITS AND MC CABLES. MC CABLES SHALL BE SUPPORTED AT MAXIMUM OF 6'-0" WITH SECURELY FASTENED MC CABLE SUPPORT CLAMPS, J-HOOKS, OR METAL CABLE BRACKETS.

27. THE USE OF MC CABLING IS NOT PERMITTED. THE ONLY EXCEPTION IS FROM A JUNCTION BOX TO A LIGHT FIXTURE AT A

28. PROVIDE IDENTIFICATION LABELS FOR ALL BRANCH CIRCUITS AND FEEDERS CIRCUITS AT JUNCTION BOXES, PANELBOARDS,

29. PROVIDE UNSPLICED FEEDERS FROM PANELBOARD OR SWITCHBOARD TO ALL EQUIPMENT, INCLUDING ALL 20 AMPERE, SINGLE

30. ALL WIRING DEVICES ARE TO BE RECESSED WHERE POSSIBLE. WHERE RECESSING IS NOT POSSIBLE, WIRING DEVICES ARE TO BE SURFACE MOUNTED WITH CIRCUIT WIRING ROUTED IN SURFACE MOUNTED CONDUIT PER SPECIFICATIONS.

31. ALL CONDUIT PENETRATIONS THROUGH WALLS OR CEILINGS SHALL BE PATCHED AND SEALED WITH FIRE RATED FOAM SEALANT.

32. PROVIDE INSULATING BUSHINGS ON CONDUIT THREADS OR CONNECTORS WHERE RACEWAYS WITH CONDUITS OR MC CABLES ENTER A BOX OR ENCLOSURE. THIS BUSHING SHALL BE INSTALLED ON ALL CABLES AND CONDUITS. 33. PROVIDE FIRE ALARM RATED CABLE FOR CONNECTIONS BETWEEN FIRE ALARM DEVICES. PROVIDE EMT FOR ALL FIRE ALARM

34. CONTRACTOR TO PROVIDE A COORDINATION STUDY WHENEVER ANY FEEDER CIRCUITS ARE ADDED TO OR REMOVED FROM THE MAIN SWITCHBOARD / PANELBOARD OF A BUILDING. ADDITIONALLY, PROVIDE A COORDINATION STUDY WHENEVER A GENERATOR IS ADDED OR REPLACED. CONTRACTOR TO ADJUST THE TRIP OF THE MAIN CIRCUIT BREAKER AND/OR THE

TELECOMMUNICATION GENERAL NOTES

- ALL LOW VOLTAGE CABLING MUST BE INSTALLED ACCORDING TO BICSI GUIDELINES.
- 2. ALL CABLING SHALL CONFORM TO THE LATEST EDITION OF THE EIA/TIA STANDARDS.
- 3. ALL CABLING SHALL BE APPROPRIATELY LABELED.

SPECIFIED.

- CONTRACTOR SHALL NOT INSTALL ANY EQUIPMENT PRIOR TO ITS APPROVAL BY THE ARCHITECT AND ENGINEER. CONTRACTOR WILL BE LIABLE FOR ITS REMOVAL IN ANY SUCH CASE. PROVIDE A COMPLETE GROUNDING SYSTEM FOR ALL LOW VOLTAGE SYSTEMS AS SHOWN.
- CONTRACTOR TO PROVIDE PATHWAYS FOR LOW VOLTAGE SYSTEMS. PATHWAYS SHALL CONSIST OF IN-WALL CONDUIT, SURFACE MOUNTED SPLIT CHANNEL METALLIC RACEWAY, BACK BOXES, SLEEVES, CHASES, CABLE TRAY AND J-HOOKS, ANY PENETRATION OF A FIRE-RATED BARRIER MUST BE FIRE-STOPPED IN ACCORDANCE WITH LOCAL AND STATE LAWS AND THE AUTHORITY HAVING JURISDICTION.
- PRIOR TO BEGINNING ANY WORK, SECURE NECESSARY PERMITS OR CLEARANCES FROM THE AUTHORITIES HAVING JURISDICTION. PROVIDE ALL LABOR AND MATERIALS FOR A COMPLETE INSTALLATION. WORK SHALL BE EXECUTED BY EXPERIENCED TRADESMEN WHO ARE LICENSED IN THE JURISDICTION WHERE THE PROJECT IS LOCATED.
- CONDUITS SHALL BE RUN BEHIND FINISHED SURFACES WHERE POSSIBLE UNLESS OTHERWISE NOTED.
- THE TELECOMMUNICATION PLANS ARE DIAGRAMMATIC ONLY. COORDINATE TECHNOLOGY EQUIPMENT LOCATION AND INSTALLATION WITH EQUIPMENT BEING SERVED.
- CONTRACTOR SHALL INFORM THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO COMPLETION OF CONSTRUCTION TO ALLOW SUFFICIENT TIME FOR COORDINATION OF EXISTING BUILDING ACTIVITIES WITH THE CONSTRUCTION WORK. THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST, ANY LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS), IN ORDER TO COMPLY WITH ALL APPLICABLE LAWS, INDICATED AND/OR
- BEFORE SUBMITTING BIDS, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL ADJOINING EXISTING BUILDINGS, EQUIPMENT AND SPACE CONDITIONS ON WHICH HIS/HER WORK IS ANY WAY DEPENDENT FOR THE BEST WORKMANSHIP AND OPERATION ACCORDING TO THE INTENT OF THE SPECIFICATIONS AND DRAWINGS. HE/SHE SHALL REPORT TO THE ARCHITECT/ENGINEER ANY CONDITION WHICH MIGHT PREVENT HIM/HER FROM INSTALLING HIS/HER EQUIPMENT IN THE MANNER SPECIFIED TEN DAYS PRIOR TO SUBMISSION OF BIDS.
- . NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO VISIT THE SITE, NOR FOR ANY ALLEGED MISUNDERSTANDING OF MATERIALS TO BE FURNISHED OR WORK TO BE PERFORMED.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCOVERED CONFLICTS BETWEEN EXISTING INSTALLATIONS WHICH ARE NOT SCHEDULED FOR DEMOLITION AND THE NEW WORK INDICATED WITHIN THE CONTRACT DOCUMENTS. SUCH NOTIFICATION SHALL BE ACCOMPANIED BY A DRAWING DELINEATING THE PROPOSED SOLUTION PRIOR TO STARTING ANY WORK IN THE AFFECTED AREA.
- THE EXACT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL SYSTEMS. PROVIDE ALL WIRES AND CABLES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER INDICATED ON PLAN OR NOT.
- REFER TO ARCHITECTURAL DRAWINGS FOR THE FINISH, EXACT LOCATION, ELEVATION, MOUNTING HEIGHTS AND DETAILS OF ALL LIGHT FIXTURES AND DEVICES WITHIN THE CEILING GRID FOR COORDINATION WITH TECHNOLOGY EQUIPMENT. REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
- WHEREVER CONDUITS PENETRATE WALLS OR FLOORS, SPACE REMAINING IN SUCH PENETRATIONS SHALL BE FILLED. FILLING MATERIAL SHALL BE FIRE RESISTIVE WITH RATING EQUAL TO THE RATING OF THE FLOOR OR WALL ITSELF.
- 18. PROVIDE AND LEAVE ACCESSIBLE PULL STRINGS IN ALL CONDUITS, RACEWAYS, SLEEVES AND CHASES TO LOW VOLTAGE WIRING TO BE INSTALLED. 19. OUTLET BOXES INSTALLED ON OPPOSITE SIDES OF THE SAME PARTITION SHALL BE STAGGERED. DO NOT MOUNT OUTLET BOXES BACK
- TO BACK. 20. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS, CUT SHEETS, CALCULATIONS AND EQUIPMENT LITERATURE FOR ALL EQUIPMENT BEING PROVIDED AS PART OF THIS SCOPE OF WORK. THE EXACT DEVICE OR PIECE OF EQUIPMENT TO BE INSTALLED MUST BE CLEARLY CALLED OUT FOR THE DESIGN TEAM TO REVIEW.
- 21. CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT DRAWINGS FOR REVIEW AND APPROVAL BY THE DESIGN TEAM PRIOR TO JOB COMPLETION
- 22. CONTRACTOR SHALL PROVIDE A COMPLETE PUNCH LIST OF ALL INSTALLED SYSTEMS TO THE CONSTRUCTION MANAGER WHEN THE INSTALLED WORK IS READY TO BE EXAMINED BY THE DESIGN TEAM. INCOMPLETE SYSTEMS SHALL NOT BE REVIEWED UNTIL IT IS DETERMINED THAT THE SYSTEMS ARE APPROXIMATELY COMPLETE.

23. ALL TELECOMMUNICATIONS CABLING SHALL BE PLENUM RATED CAT6, 4 PAIRS, UNSHIELDED TWISTED PAIR CABLE, HUBBELL CAT NO C6RPX OR EQUAL ROUTED BETWEEN TELE/DATA ROOM AND EACH VOICE AND/OR DATA JACK. THE USE OF J-HOOKS IS PERMITTED IN AREAS WITH A SUSPENDED CEILING WHERE ADEQUATE CLEARANCE CAN BE OBTAINED. ALL WIRING IN SPACES WITHOUT CEILINGS OR AREAS WITH INADEQUATE SPACE ABOVE THE CEILING SHALL BE RUN IN EMT. PROVIDE TERMINATIONS AT BOTH PATCH PANEL AND OUTLET. PROVIDE CAT6 PATCH CORDS (36" L) FOR CONNECTION OF PATCH PANEL TO FUTURE ETHERNET SWITCH. CONTRACTOR SHALI TONE/TEST/TERMINATE ALL CONNECTIONS. PROVIDE ADDITIONAL CAT6 48 PORT PATCH PANEL(S) IN MDF OR IDF, AS APPLICABLE, AS

24. CABLE AND JACKS SHALL BE OF TYPE AND COLOR SHOWN:

<u>FUNCTION</u> DATA TYPE CAT6 VIDEO CAT6 WAP CAT6

APPROVED EQUAL.

CABLE AND JAC PURPI F BLUE

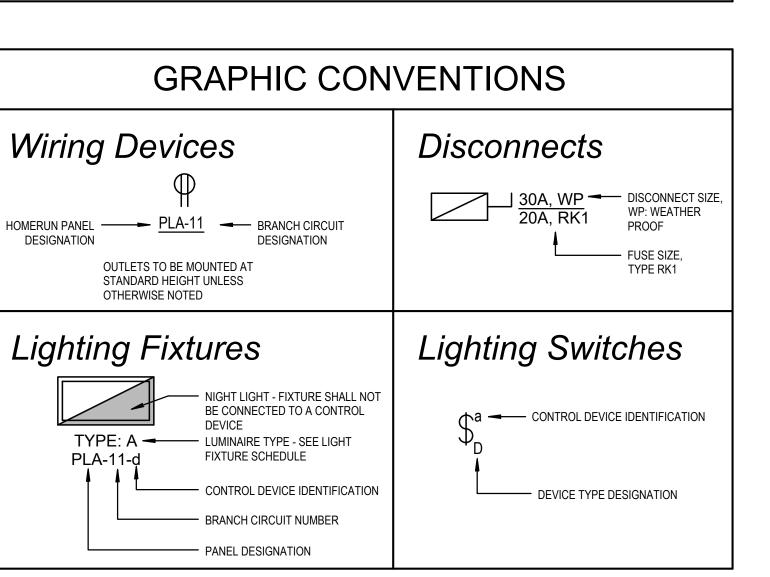
REQUIRED TO SUPPORT ADDITIONAL DATA CONNECTIONS IN MDF/IDF. DATA PATCH PANELS SHALL BE HUBBELL M/N HP648 OR

(D) - DENOTES EQUIPMENT OR WIRING TO BE DEMOLISHED E) - DENOTES EXISTING EQUIPMENT OR WIRING TO REMAIN (N) - DENOTES NEW EQUIPMENT OR WIRING A - AMPS AF - AMPERE FRAME AFF - ABOVE FINISHED FLOOR AT - AMPERE TRIP ATS - AUTOMATIC TRANSFER SWITCH BLDG - BUILDING C - CONDUIT **CB - CIRCUIT BREAKER** ENCL - ENCLOSURE FA - FIRE ALARM G - GROUND GE - GENERAL ELECTRIC KA - KILO AMPERE

KV - KILO VOLT

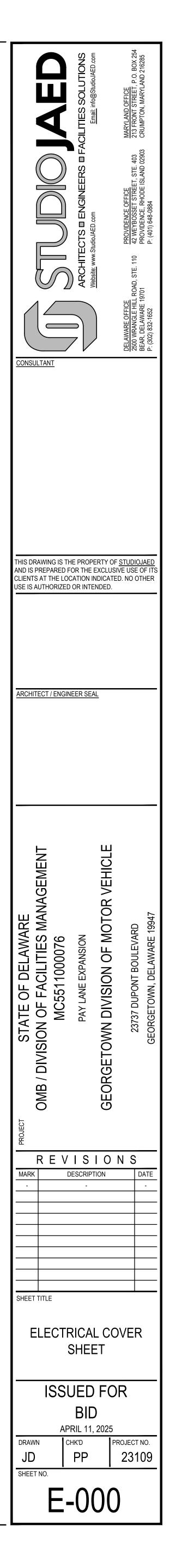
ELECTRICAL ABBREVIATIONS

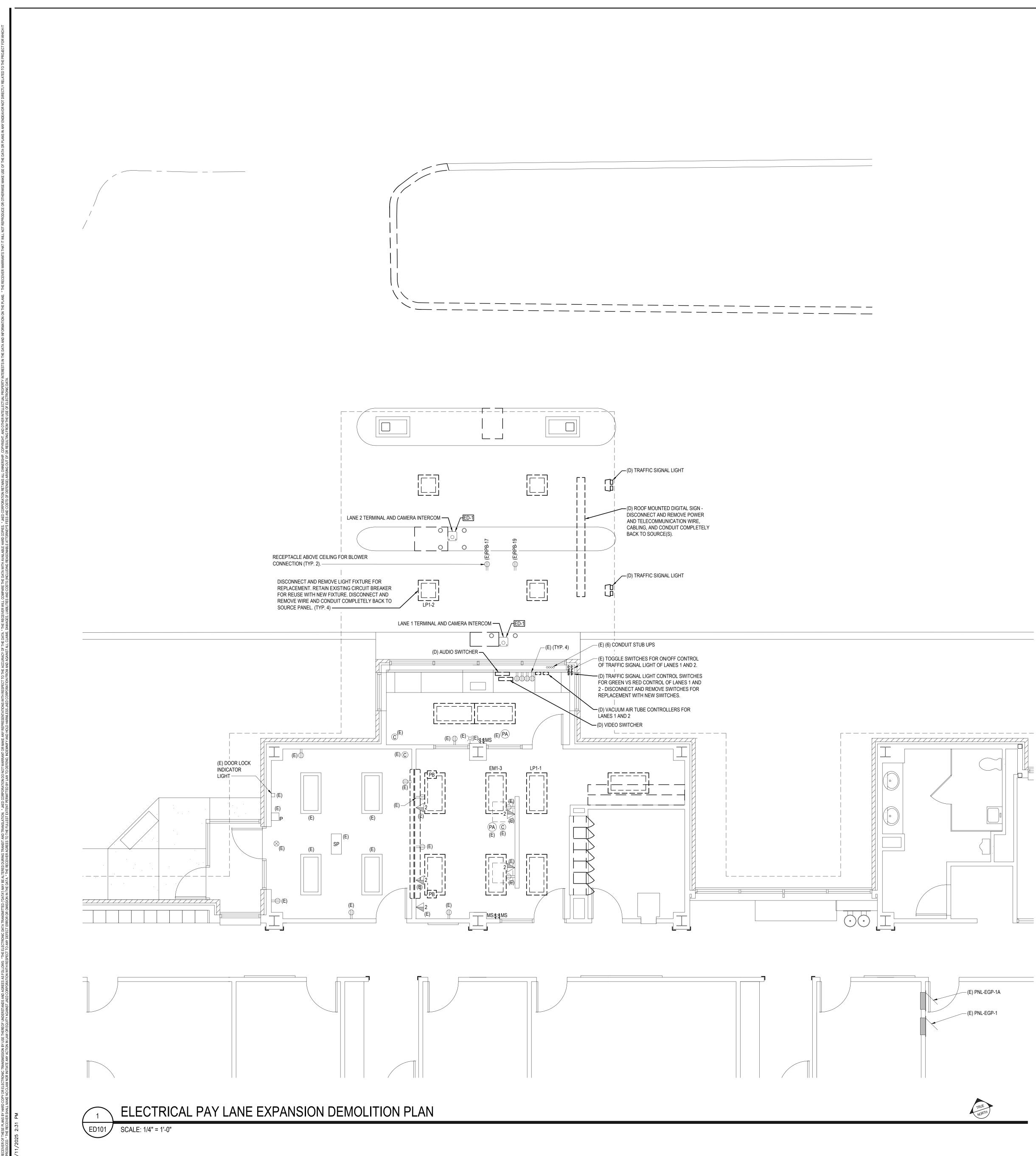
KVA - KILO VOLT AMPERE LG - LG CORPORATION LI - LONG TIME + INSTANTANEOUS LSI - LONG TIME + SHORT TIME + INSTANTANEOUS MCB - MAIN CIRCUIT BREAKER MDP - MAIN DISTRIBUTION PANEL MTS - MANUAL TRANSFER SWITCH MVASC - MEGA VOLT AMPERE SHORT CIRCUIT OC - ON CENTER PH - PHASE QO - QWIK OPEN PROTECTION SPD - SURGE PROTECTIVE DEVICE SW - SWITCH SWBD - SWITCHBOARD UG - UNDERGROUND V - VOLTS W - WATTS OR WIRE Z - IMPEDANCE



LIGHTING FIXTURE SCHEDULE

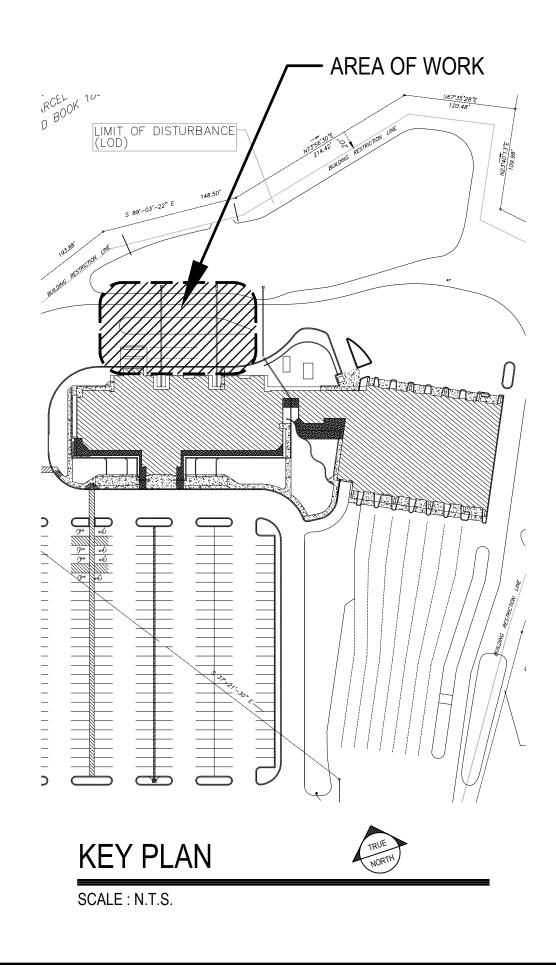
TYPE	LAMPS	VOLTAGE	MOUNT	FIXTURE DESCRIPTION	MANUFACTURER/CATALOG NUMBER	REMARKS			
A	LED 4076 LUMENS	120/277	RECESSED	2X2 RECESSED WEATHERPROOF LED LIGHT FIXTURE	KURTZON / VL-R-3-2X2-3-LEDR-840-1 OR APPROVED EQUAL.	PROVIDE WITH MOUNTING HARDWARE.			
В	LED	120	SURFACE	TRAFFIC SIGNAL LIGHT FIXTURE - TO MATCH EXISTING	ALKCO / 207H-BRK207-2SW OR APPROVED EQUAL.	PROVIDE WITH MOUNTING HARDWARE.			
С	LED 2100 LUMENS	120/277	RECESSED	2X2 LED FLAT PANEL, 10 YEAR WARRANTY, L70 @ 100,000 HOURS	MAXLITE / MLFP-22-G5-15W-CS-CR OR APPROVED EQUAL.	PROVIDE WITH MOUNTING HARDWARE. FIELD SELECT 4000K AND 15W.			

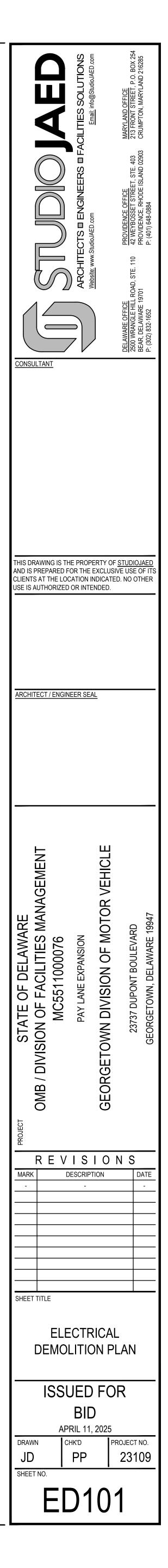


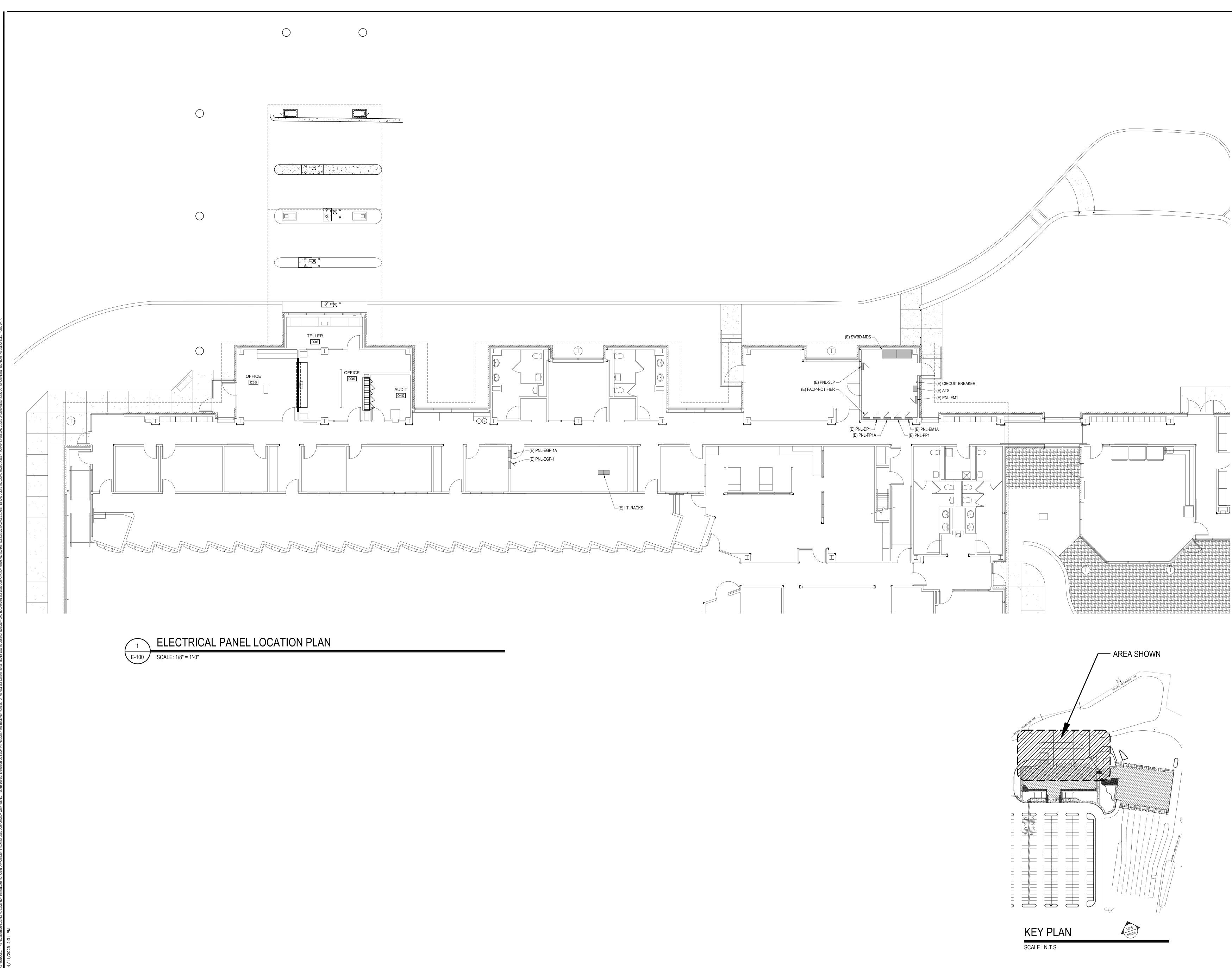


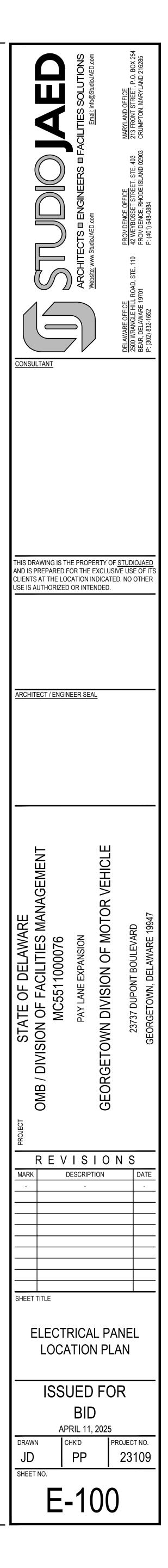
ELECTRICAL DEMOLITION NOTES: 1. DISCONNECT AND REMOVE PANIC BUTTONS AND CABLING COMPLETELY BACK TO SOURCE. RETAIN PANIC BUTTONS FOR RELOCATION.

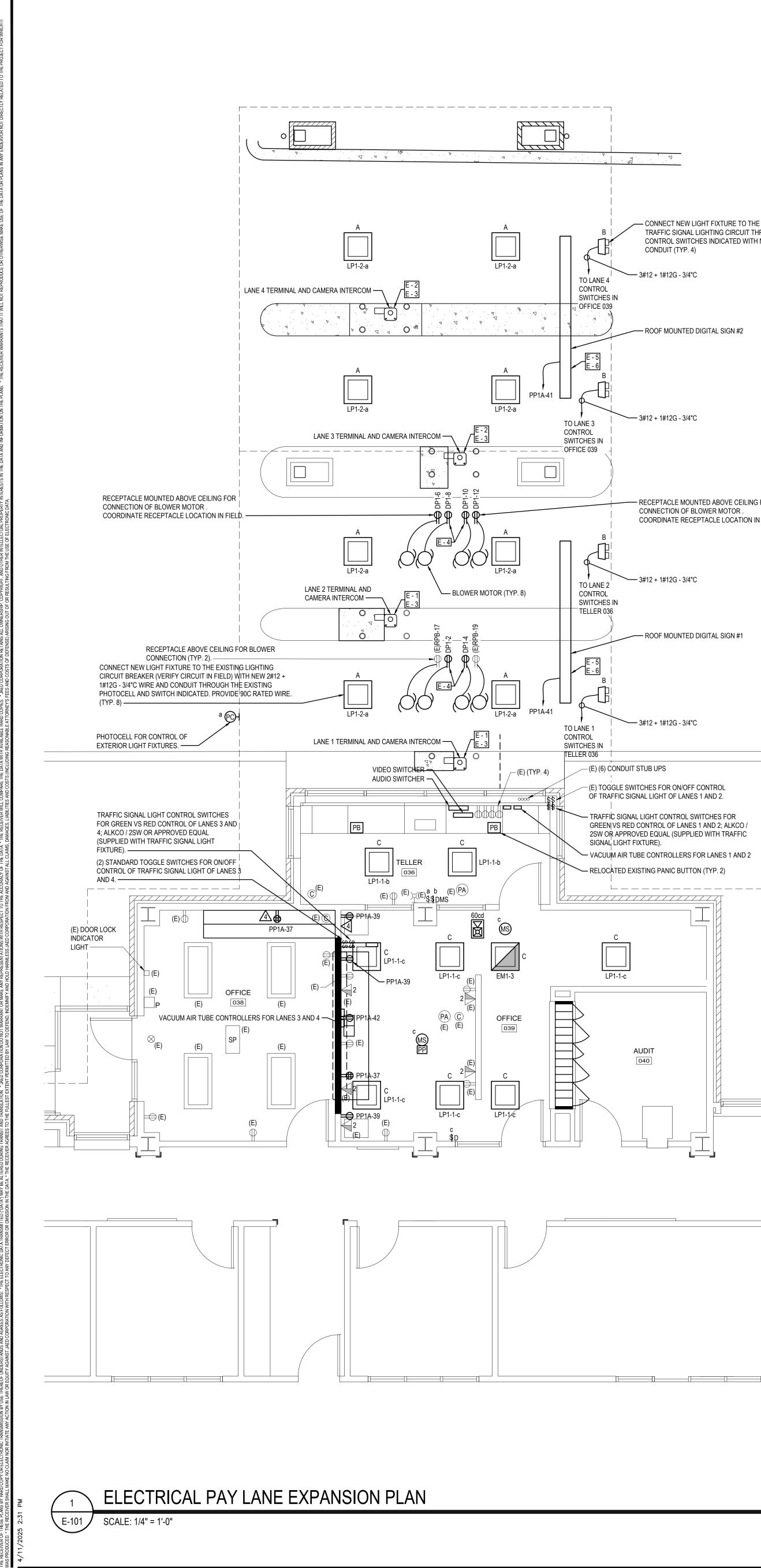
2. ALL EXISTING CIRCUITS SHOWN SHALL BE VERIFIED IN FIELD. DISCONNECT AND REMOVE LANE TERMINAL POWER AND TELECOMMUNICATION ED-1 CABLING, AND WIRE COMPLETELY BACK TO SOURCE(S). EXISTING UNDERGROUND CONDUIT TO REMAIN FOR REUSE.











- CONNECT NEW LIGHT FIXTURE TO THE EXISTING TRAFFIC SIGNAL LIGHTING CIRCUIT THROUGH THE

CONTROL SWITCHES INDICATED WITH NEW WIRE AND

CONDUIT (TYP. 4)

- RECEPTACLE MOUNTED ABOVE CEILING FOR CONNECTION OF BLOWER MOTOR .

COORDINATE RECEPTACLE LOCATION IN FIELD.

_____ (\cdot)

EXISTING PANEL

1. ALL EQUIPMENT, DEVICES, FIXTURES, WIRE, CONDUIT, ETC. ARE NEW UNLESS NOTED REINSTALL EXISTING PANIC BUTTONS IN THE NEW LOCATIONS SHOWN AND

ELECTRICAL NEW WORK NOTES:

2.

E - 1

E - 2

E - 3

E - 4

E - 5

E - 6

OTHERWISE.

CANOPY.

RECORDING.

SWITCHBOARD GROUND.

RECONNECT TO THE EXISTING SOURCE WITH NEW CABLING.

3. ALL EXISTING CIRCUITS SHOWN SHALL BE VERIFIED IN FIELD.

CABLING IN THE EXISTING UNDERGROUND CONDUIT.

RECEPTACLE MOUNTED ABOVE CEILING FOR CONNECTION OF BLOWER MOTOR AND

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TO SURFACE

MOUNT BOX IN

ROOF MOUNTED ROOF MOUNTED DIGITAL SIGN #1. DIGITAL SIGN #2.

CAT6 CABLE (TYP. 2)-

TO SURFACE

-(E) PNL-EGP-1A

-(E) PNL-EGP-1

SURGE PROTECTION MODULE;

MOUNT TO EXISTING PLYWOOD BACKBOARD. PROVIDE 1#6G TO

SURGEGATE 1 GIGABIT CAT6-75 PRIMARY PROTECTOR OR APPROVED EQUAL.

CONNECT THE GROUND TERMINAL TO A LOCAL GROUND BAR. (TYP. 2)

MOUNT BOX IN

TUBE HEATER. COORDINATE RECEPTACLE LOCATION IN FIELD.

CONNECT TO SIGN INPUT FROM SURFACE MOUNT BOX.

NEW LANE TERMINAL IN PLACE OF DEMOLISHED LANE TERMINAL - PROVIDE NEW

NEW LANE TERMINAL - PROVIDE NEW CABLING IN NEW (2) 1"C OVERHEAD INSIDE

CONNECT TERMINAL TO NEW AUDIO SWITCHER BOX WITH NEW AUDIO CABLE PER MANUFACTURER'S INSTRUCTIONS; BASIS OF DESIGN TO BE #20 AWG STRANDED TINNED COPPER, 3 SHIELDED TWISTED PAIRS, INDIVIDUAL FOIL SHIELDS WITH DRAIN. CONNECT TERMINAL TO NEW CONTROL BOX WITH NEW CONTROL CABLE PER MANUFACTURER'S INSTRUCTIONS; BASIS OF DESIGN TO BE #20 AWG STRANDED TINNED COPPER, 7 CONDUCTOR, UNSHIELDED, 300V PP/PVC. PROVIDE COAXIAL CABLING FROM THE CAMERA TO THE VIDEO SWITCHER. PROVIDE CAT6 CABLING FROM THE CAMERA TO A LOCATION AS DIRECTED BY THE OWNER FOR VIDEO

PROVIDE A 3/4"x10' COPPER CLAD STEEL GROUND ROD AND CONNECT TO THE DISPLAY GROUND LUG WITH 1#4 GROUND CONDUCTOR. COORDINATE WITH DISPLAY INSTALLATION INSTRUCTIONS. VERIFY CONTINUITY OF GROUND BETWEEN THE DISPLAY AND PNL-PP1A, AS WELL AS BETWEEN PNL-PP1A AND THE BUILDING MAIN

PROVIDE WEATHERPROOF FITTING IN SIGN KNOCKOUT FOR THE INDOOR OUTDOOR CAT6 DATA CABLE PENETRATION. PROVIDE A SURFACE MOUNT BOX IN SIGN; HUBBELL M/N HSB10WP OR APPROVED EQUAL. PROVIDE CAT6 PATCH CABLE TO

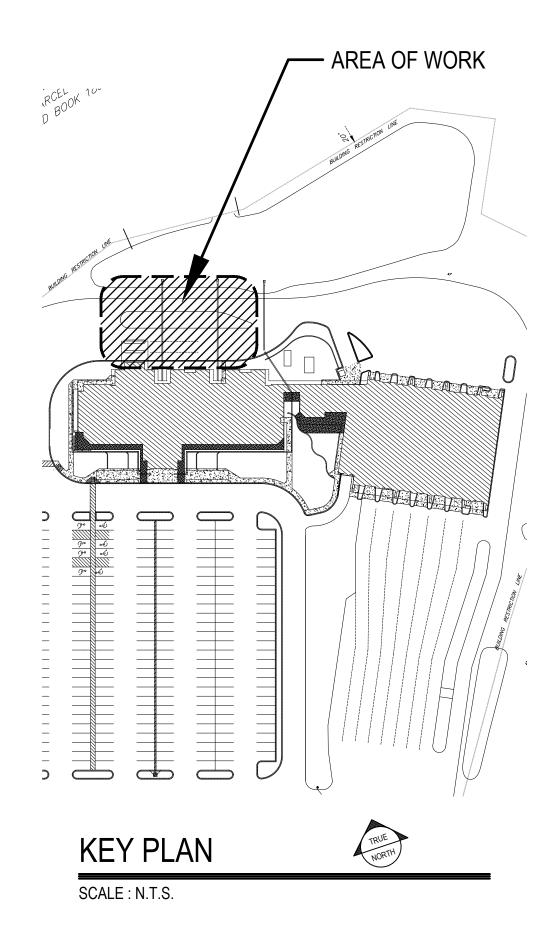
PANI LOC/ BUS: MAIN	ATION		P1 ELECTRICAL ROOM 400A 400A MCB												VOLTAGE: 208Y/120V, 3P ENCLOSURE: NEMA-1 A.I.C: RATINGS: MFR: SQUARE D - N			
ØA VA	ØB kVA	ØC kVA	DESCRIPTION	Pole	Br	Ckt		٨	Ø	C		t E	ßr	Pole	DESCRIPTION	ØA kVA	ØB kVA	
-	-	-	EXISTING LOAD	3	150	1	-T	÷		С Т	-2	2	0	1	RECEPT - VACUUM TUBE BLOWER & HEATER - LANE 1	1.80	-	-
-	-	-				3	-T	`+-	+	+	4	2	0	1	RECEPT - VACUUM TUBE BLOWER & HEATER - LANE 2	-	1.80	-
-	-	-				5	-[]	╟	-	∳′_	<u>} 6</u>	2	0	1	RECEPT - VACUUM TUBE BLOWER - LANE 3	-	-	0.84
-	-	-				7	-[]	`∳-	-	+	<u>} 8</u>	_		1	RECEPT - VACUUM TUBE BLOWER & HEATER - LANE 3	1.80	-	-
-	-	-				9	-T	`+-	+	+	- 1) 2	0	1	RECEPT - VACUUM TUBE BLOWER & HEATER - LANE 4	-	1.80	-
-	-	-				11	$\frac{1}{2}$	╟	-	∳′_	<u> </u>	2 2	0	1	RECEPT - VACUUM TUBE BLOWER - LANE 4	-	-	0.84
-	-	-	EXISTING LOAD	3	150	13	-[]	`∳-	-	+	<u>} 1</u>	1 ·	•	-	SPACE	-	-	-
-	-	-				15	-[]	╟	+	+	<u>} 1</u>	3	•	-	SPACE	-	-	-
-	-	-				17	-[]	╟	-	∳′_	<u>} 18</u>	3	•	-	SPACE	-	-	-
-	-	-				19	-[]	`∳-	-	+	<u>} 2</u>) ·	•	-	SPACE	-	-	-
-	-	-				21	-T	`+-	+	+	2	2	-	-	SPACE	-	-	-
•	-	-				23		`+-	_	∳_	2	1 ·	-	-	SPACE	-	-	-
-	-	-	EXISTING LOAD	3	150	25	-T	`∳-	_	+	2	3 ·	-	-	SPACE	-	-	-
-	-	-				27	-T	╟	-	+	28	3	-	-	SPACE	-	-	-
-	-	-				29	-1	╟	+	÷)- 30) .	-	-	SPACE	-	-	-
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-	-	-				33	-1	╙	+	+	- 34	1 ·	•	-	SPACE	-	-	-
-	-	-				35	\cap	\	+		- 36	3 .	-	-	SPACE	-	-	-
-	-	-	EXISTING LOAD	3	150	37	-1	`∳-	_	+	- 38	3 .	-	-	SPACE	-	-	-
-	-	-				39	-1	4		+	4) ·	-	-	SPACE	-	-	-
-	-	-				41	-1	4	_		42	2	•	-	SPACE	-	-	-
-	-	-				43	-ተ	`∳-	_	+	4	1 ·	•	-	UNUSABLE SPACE	-	-	-
-	-	-				45	-ተ	4		+	4	3	-	-	UNUSABLE SPACE	-	-	-
-	-	-				47		4	_	┢╯	48	3 .	•	-	UNUSABLE SPACE	-	-	-
-	-	-	UNUSABLE SPACE	-	-	49	\cap	∖	_	+	- 50		-	-	UNUSABLE SPACE	-	-	-
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HAS HAS HAS OTA	E A: _ E B: _ E C: _ L CON																	

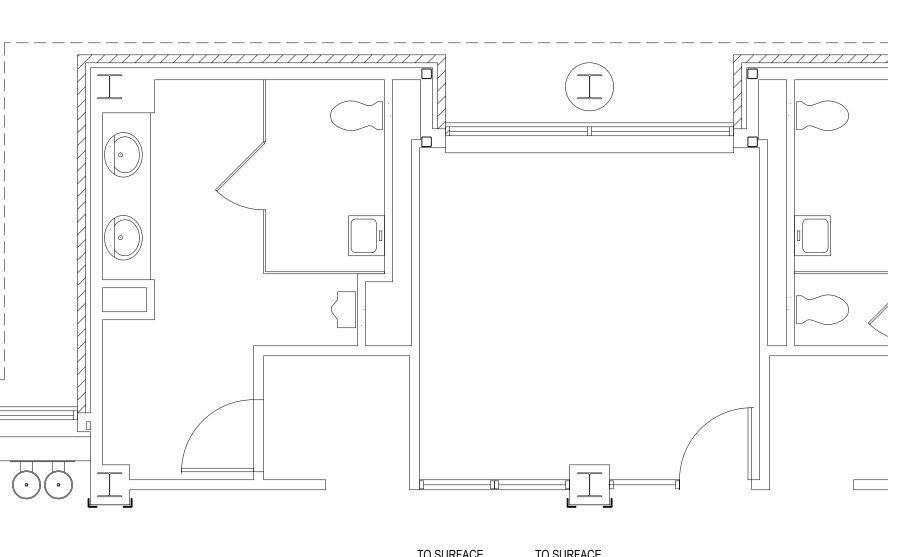
OVIDE NEW CIRCUIT BREAKER AND NEW 2#8 + 1#8G - 3/4"C. ****** PROVIDE NEW CIRCUIT BREAKER AND NEW 2#6 + 1#6G - 3/4"C.

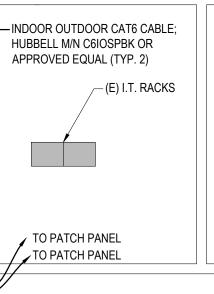
EXISTING PANEL

Pani Loc/ Bus: Main	ATION		P1A ELECTRICAL ROOM 225A MLO										VOLTAGE: 208Y/120V ENCLOSURE: NEMA-1 A.I.C: RATINGS: MFR: SQUARE E			
ØA kVA	ØB kVA	ØC kVA	DESCRIPTION	Pole	Br	Ck		Q Q		Ckt	Br	Pole	DESCRIPTION	ØA kVA	ØB kVA	
-	-	-	EXISTING LOAD	2	40	1	11	A E	$^{}$	2	20	1	EXISTING LOAD	-	-	-
-	-	-				3	┞╯	ᡝ᠆᠊ᢩᡰ		4	20	1	EXISTING LOAD	-	-	-
-	-	-	EXISTING LOAD	1	20	5	\mathcal{F}	$\downarrow \downarrow$	 \cap	6	20	1	EXISTING LOAD	-	-	-
-	-	-	EXISTING LOAD	1	20	7	\mathcal{F}	`♦─┤	 	8	20	1	EXISTING LOAD	-	-	-
-	-	-	EXISTING LOAD	1	20	9	\mathcal{F}	ᡝ᠆᠊╡		10	20	1	EXISTING LOAD	-	-	-
-	-	-	EXISTING LOAD	1	20	11	\mathcal{F}	$\downarrow \downarrow$	 \cap	12	20	1	EXISTING LOAD	-	-	-
-	-	-	EXISTING LOAD	1	20	13	\mathcal{F}	`┿─┤		14	20	1	EXISTING LOAD	-	-	-
-	-	-	SPARE	1	20	15	╟	∖┼┥	<u> </u>	16	20	1	EXISTING LOAD	-	-	-
-	-	-	EXISTING LOAD	2	20	17	11	\downarrow	 \cap	18	20	1	EXISTING LOAD	-	- 1	-
-	-	-				19	┞	∖∔	 <u> </u>	20	20	1	EXISTING LOAD	-	-	-
-	-	-	EXISTING LOAD	1	20	21	\uparrow	ᡝ᠆᠊ᢩᡰ		22	20	1	EXISTING LOAD	-	-	-
-	-	-	EXISTING LOAD	1	20	23	\uparrow	$\downarrow \downarrow$	 \cap	24	20	1	EXISTING LOAD	-	-	-
-	-	-	EXISTING LOAD	1	20	25	\uparrow	∖∳		26	20	1	SPARE	-	-	-
-	-	-	EXISTING LOAD	1	20	27	\uparrow	ᡝ᠆᠊ᢩᡰ	-1	28	20	2	EXISTING LOAD	-	-	-
-	-	-	EXISTING LOAD	2	30	29	11	\downarrow	 \frown	30				-	-	-
-	-	-				31	┞	∖∳	 <u> </u>	32	30	1	EXISTING LOAD	-	- 1	-
-	-	-	EXISTING LOAD	2	30	33	11	∖┼┥	<u> </u>	34	30	1	EXISTING LOAD	-	-	-
-	-	-				35	┞	\downarrow	 \cap	36	30	1	EXISTING LOAD	-	-	-
0.72	-	-	RECEPT - OFFICE 039	1	20	37	╟	∖∳	 -1	38	30	2	EXISTING LOAD	-	- 1	-
-	1.54	-	RECEPT - PRINTERS - OFFICE 039	1	20	39	╟	∖┼┥	<u> </u>	40				-	-	-
-	-	1.25	DIGITAL SIGNS - PAY LANE ROOF	1	20	41	\mathcal{V}	$\downarrow \downarrow$	\cap	42	20	1	RECEPT - VACUUM TUBE CTRL - LANES 3 & 4	-	-	-
PHAS PHAS PHAS	<u>IECTE</u> E A: E B: E C: I CON	_ kVA _ kVA _ kVA	<u>AD</u> TED LOAD =kVA													

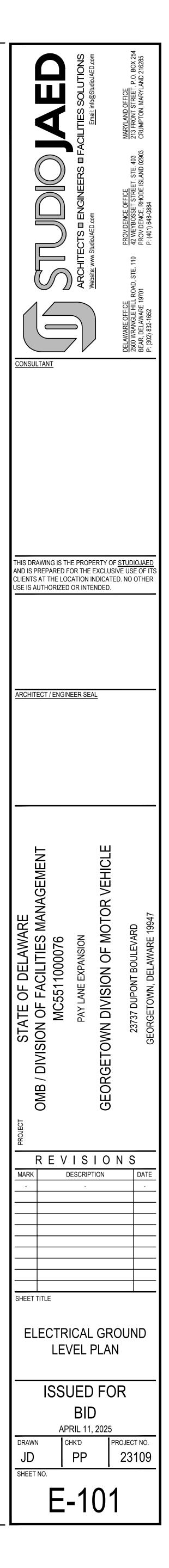
* PROVIDE NEW CIRCUIT BREAKER AND NEW 2#8 + 1#8G - 3/4"C. ** PROVIDE NEW LOCKABLE CIRCUIT BREAKER AND NEW 2#6 + 1#4G - 3/4"C.

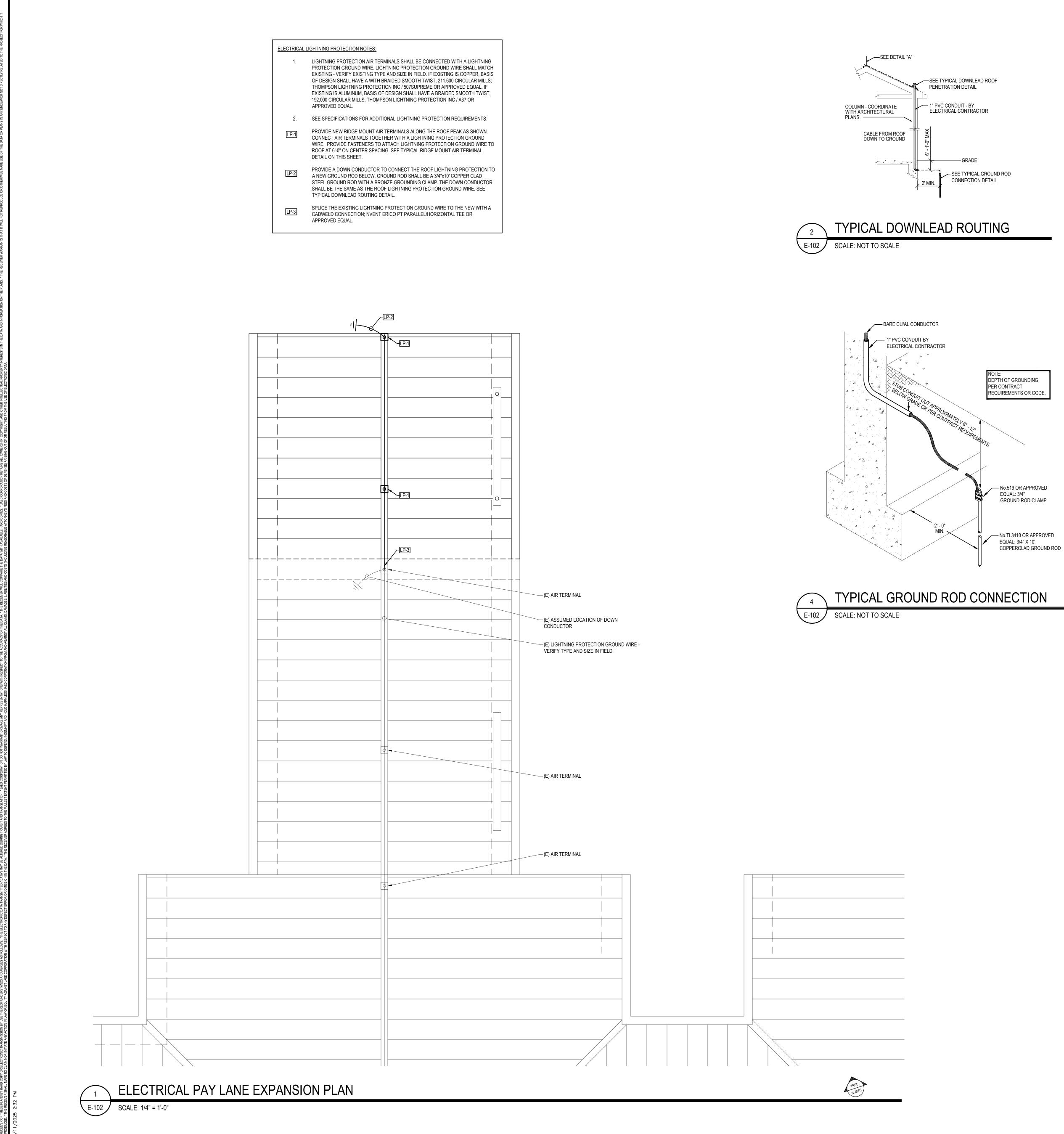


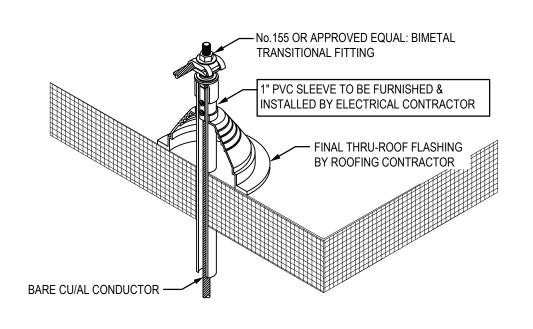




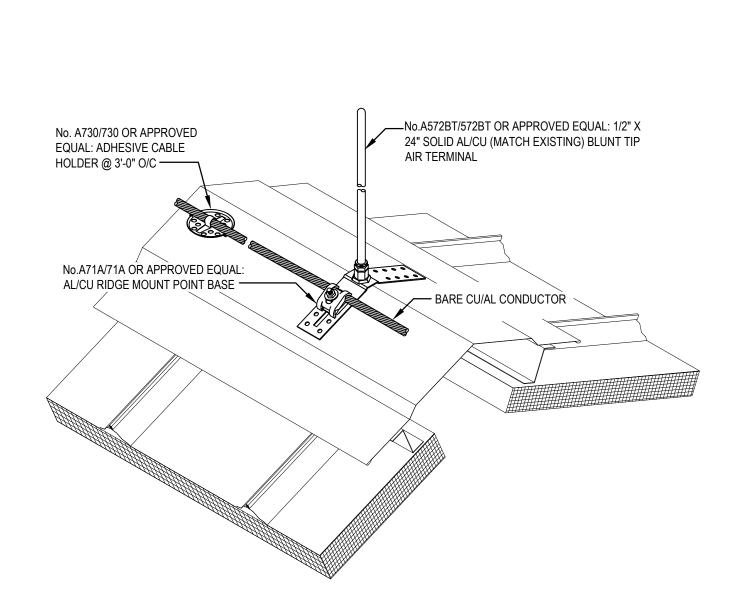




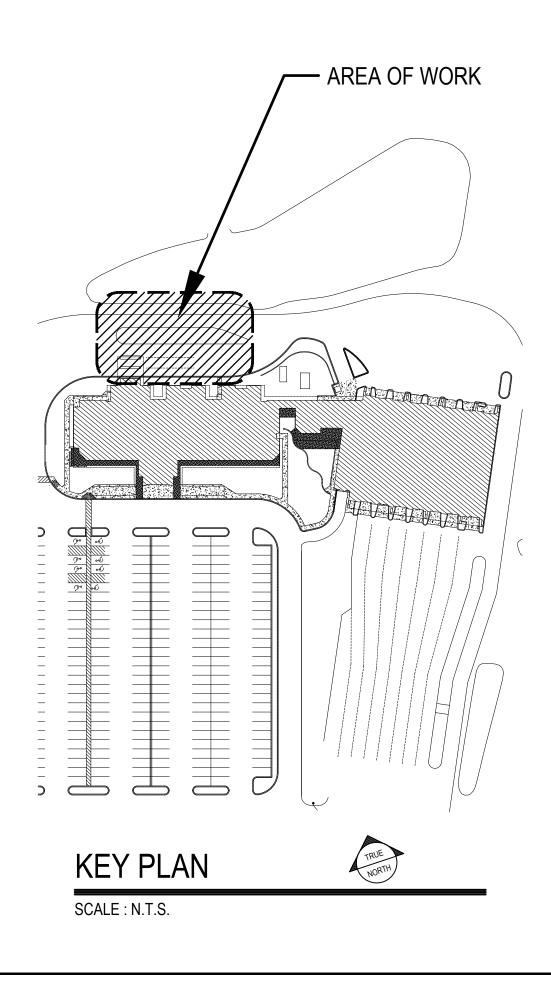


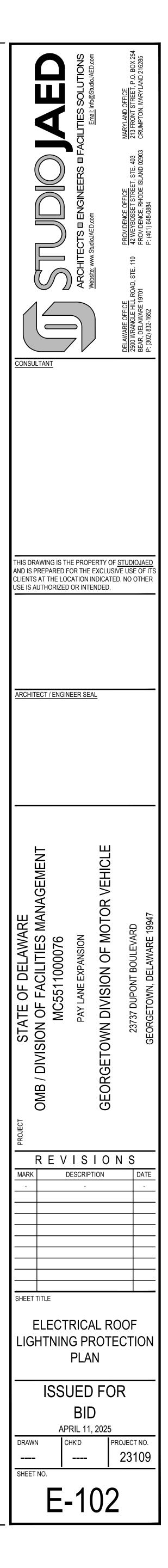


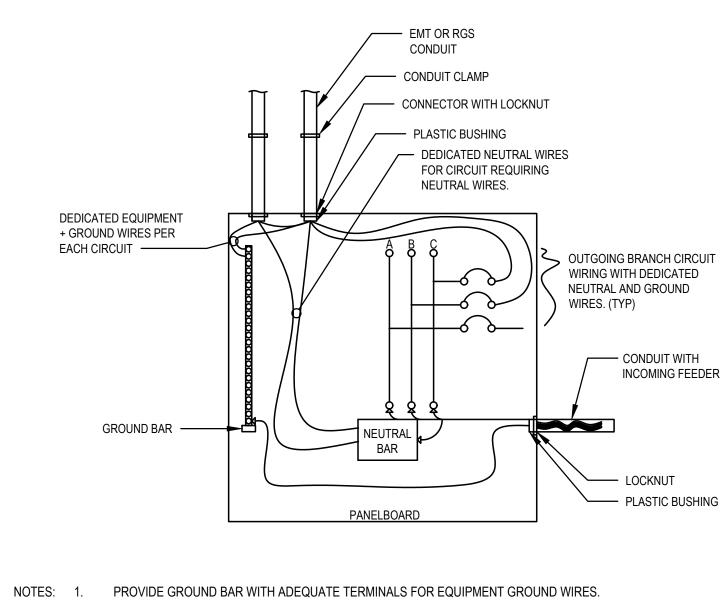










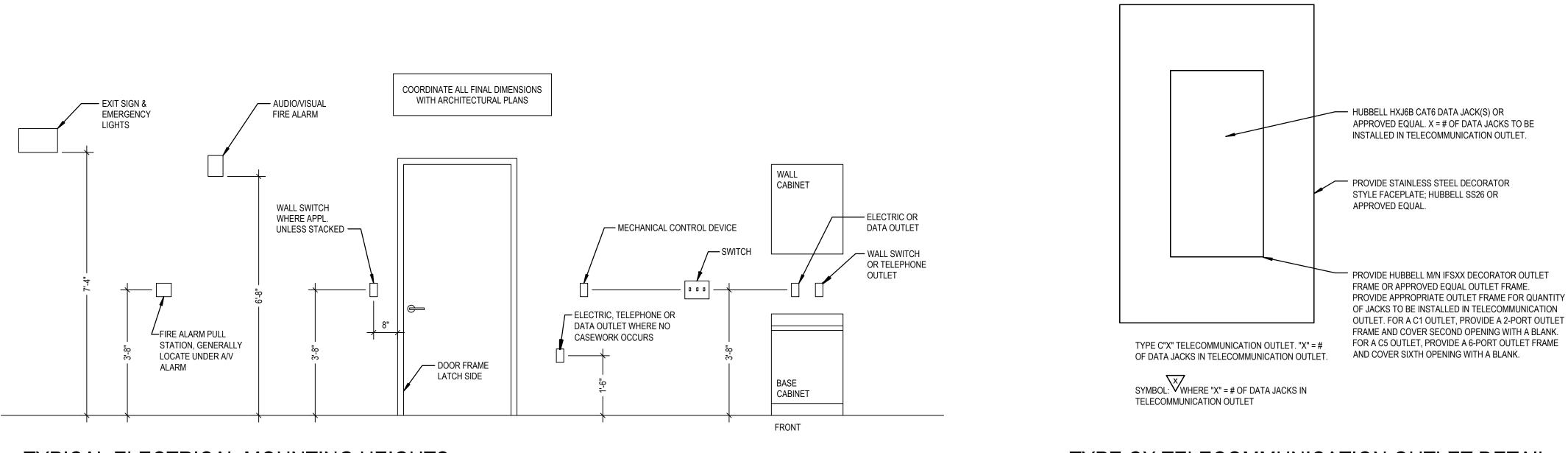


DOUBLE LUGGING OF NEUTRAL OR EQUIPMENT GROUND WIRES IS NOT PERMITTED. NUMBER OF NEUTRAL AND EQUIPMENT GROUND WIRES VARY BY PANEL AND BRANCH CIRCUITS.

2

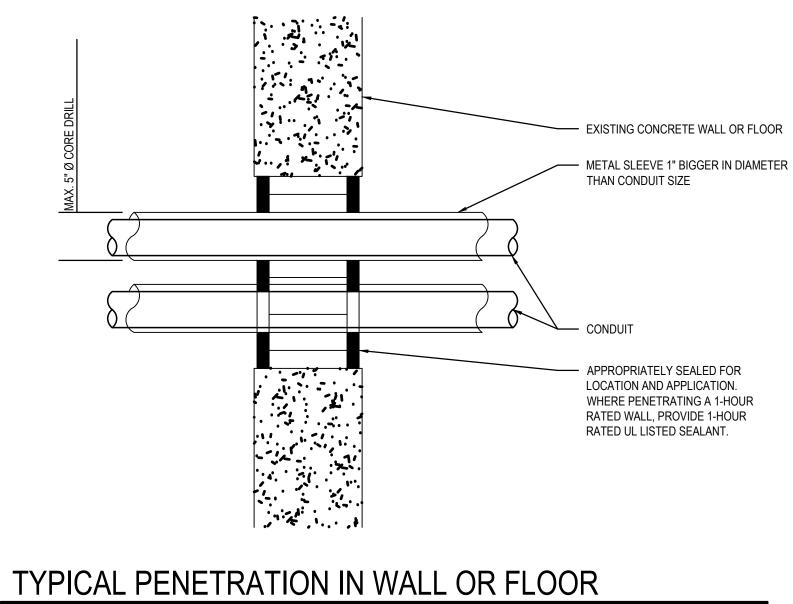
SCALE: NOT TO SCALE





TYPICAL ELECTRICAL MOUNTING HEIGHTS

SCALE: NOT TO SCALE

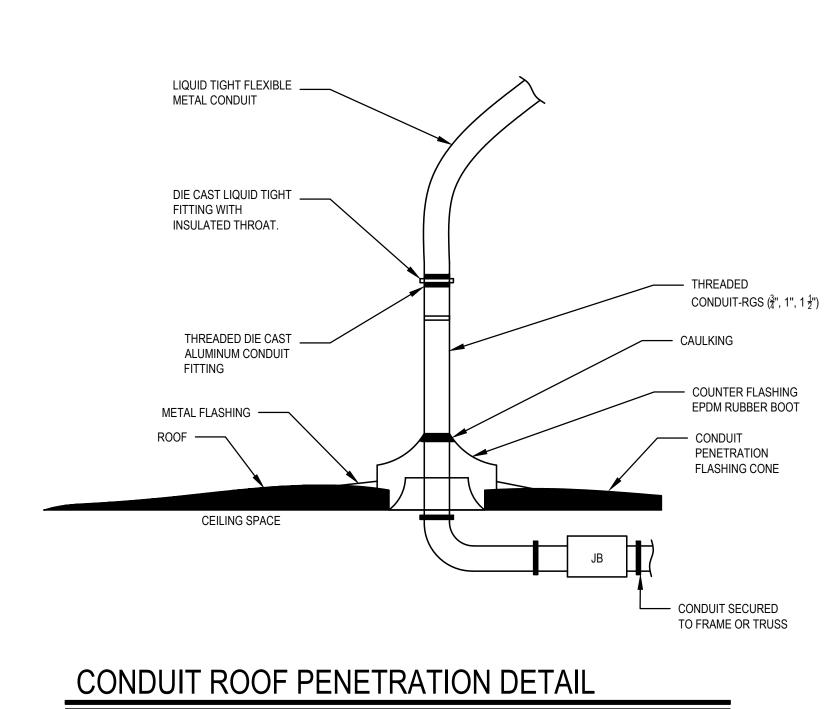


SCALE: NOT TO SCALE

EQUIPMENT GROUND AND NEUTRAL WIRING IN PANELBOARD (TYP)







----- EXISTING CONCRETE WALL OR FLOOR

- APPROPRIATELY SEALED FOR LOCATION AND APPLICATION. WHERE PENETRATING A 1-HOUR

RATED WALL, PROVIDE 1-HOUR

SCALE: NOT TO SCALE

