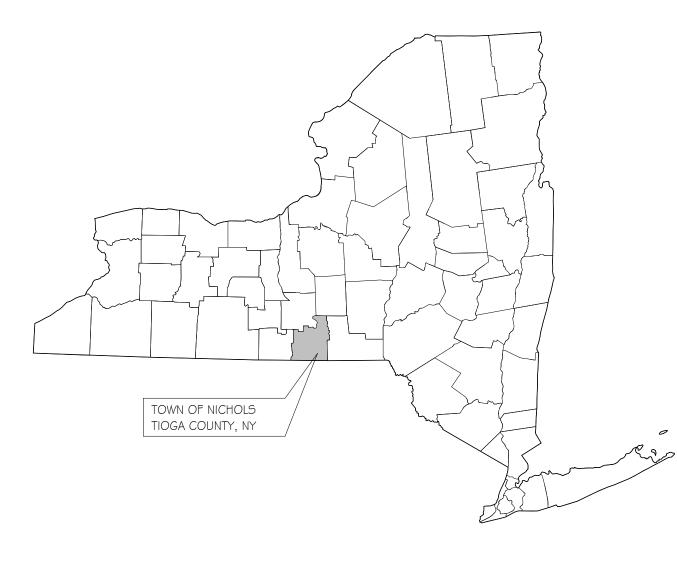
TIOGA DOWNS RECEPTION CENTER

NICHOLS, NEW YORK

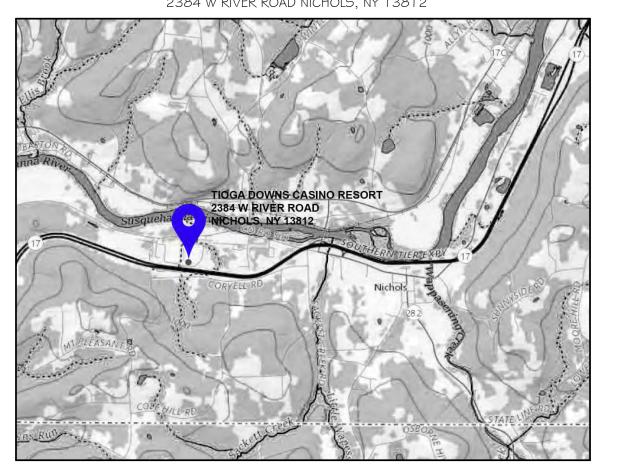


PROJECT LOCATION MAPS

TIOGA COUNTY, NY



VICINITY MAP



LOCATION MAP



DDV/WING INDEA

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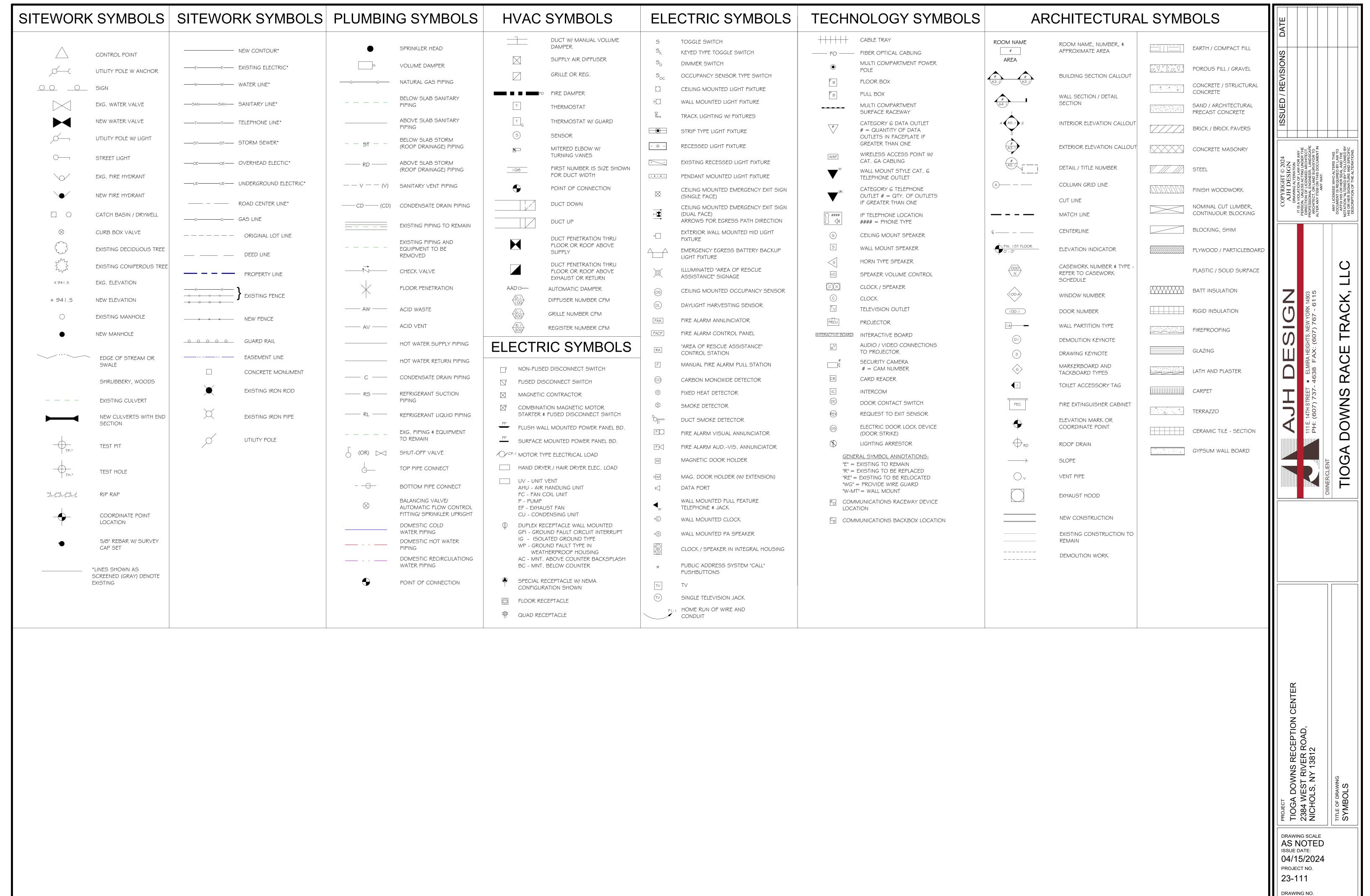
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CS



G-1.

<u>AB</u>	BRE	EVIA	S

ENG ENGINEER

ENT ENTRANCE

CUBIC FEET PER SECOND

CABINET HEATER

ADDITEVIATIONO							
Δ	CHBD CHALKBOARD	EOC EVERY OTHER COURSE	GL GLASS, GLAZING	LP LIGHT PLATE	PC PLUMBING CONTRACT(OR)	RS RIENFORCING STEEL	TYP TYPICAL
A AREA	CI CAST IRON	EOD EDGE OF DECK	GP GALVANIZED PIPING	LPT LOW POINT	PCC PRECAST CONCRETE	RT RUBBER TILE	TZ TERRAZZO
A.F.F. ABOVE FINISH FLOOR	CIP CAST-IN-PLACE CONCRETE	EOS EDGE OF SLAB	GPM GALLONS PER MINUTE	LRG LARGE	PCF POUNDS PER CUBIC FOOT	RTE ROUTE	
A.F.G. ABOVE FINISH GRADE	CIR CIRCLE	EP ELECTRICAL PANEL	GSS GALVANIZED STEEL SHEET	LT LIGHT	PE PORCELAIN ENAMEL	RWC RAINWATER CONDUCTOR	U
A/C AIR CONDITIONING	CJ CONTROL JOINT	EQ EQUAL	GST GLAZED STRUCTURAL TILE	LTL LINTEL	PEN PENETRATION		U/G UNDERGROUND
AB ANCHOR BOLT	CK CAULK(ING)	EQUIP EQUIPMENT	GVL GRAVEL	LVL LAMINATED VENEER LUMBER, LEVEL	PERF PERFORATE(D)	5	UC UNDERCUT
ABV ABOVE	CLG CEILING	ES EACH SIDE	GWB GYPSUM WALL BOARD	LVR LOUVER	PERI PERIMETER	SAN SANITARY (SEWER)	UH UNIT HEATER
AC ALTERNATING CURRENT	CLO CLOSET	EST ESTIMATE(D)	GYP GYPSUM		PERM PERMANENT	SB SPLASHBLOCK	UL UNDERWRITER'S LABORATORIES
ACT ACOUSTIC CEILING TILE	CLR CLEAR	EW EACH WAY		M	PERP PERPENDICULAR	SC SOLID CORE	UN UNLESS NOTED
AD AREA DRAIN	CLS CLOSURE	EWC ELECTRIC WATER COOLER	Н	MAINT MAINTENANCE	PFB PRE FABRICATE(D)	SCHED SCHEDULE	UNEX UNEXCAVATED
ADD ADDENDUM	CMP CORRUGATED METAL PIPE	EWF ELECTRIC WALL FAN	HB HOSE BIB	MAS MASONRY	PFN PREFINISHED	SCN SCREEN	UNFIN UNFINISHED
ADH ADHESIVE	CMU CLEAR	EXC EXCAVATE	HC HVAC CONTRACTOR	MATL MECHANICAL CONTRACTOR	PG PLATE GLASS	SD STORM DRAIN	UNO UNLESS OTHERWISE NOTED
ADJ ADJACENT	CMU CONCRETE MASONRY UNIT	EXC EXCAVATE	HCP HANDICAP	MAX MAXIMUM	PKG PARKING	SDG SIDING	UNP UNPAINTED
AESS ARCH EXPOSED STRUCTURAL STEEL	CMU CLEAR	EXG EXISTING	HD HEAVY DUTY	MBF MEMBER	PL PLATE	SEC SECTION	UR URINAL
AGG AGGREGATE	CO CLEANOUT, COMPANY	EXH EXHAUST	HDJT HEAD JOINT	MC MECHANICAL CONTRACT(OR)	PLAM PLASTIC LAMINATE	SF SQUARE FOOT	UV UNIT VENTILATOR
AHU AIR HANDLING UNIT	COL COLUMN	EXP EXPANSION	HDR HEADER	MECH MECHANICAL	PLAST PLASTER	SFGL SAFETY GLASS	
ALIGN ALIGNMENT	COMB COMBINATION	EXP EXPOSED	HDW HARDWARE	MED MEDIUM	PLBG PLUMBING	SGT STRUCTURAL GLAZED TILE	V
ALLOW ALLOWANCE	CON CONNECTOR, CONNECTION	EXT EXTERNAL, EXTERIOR	HH HANDHOLE	MFD MANUFACURED	PLF POUNDS PER LINEAR FOOR	SH SHELF, SHELVING	V VENT, VOLT, VOLTAGE
ALT ALTERNATE	CONC CONCRETE	EXT EXTERIOR	HI HEIGHT OF INSTRUMENT	MFG MANUFACTURING	PLS PLASTIC	SHT SHEET	VAR VARIABLE, VARIES
alum aluminum	CONST CONSTRUCTION		HK HOOK(S)	MFR MANUFACTUR(ER)	PNL PANEL	SHTG SHEATHING	VAV BOX VARIABLE AIR VOLUME BOX
AMP AMPERAGE	CONT CONTINUOUS, CONTINUE	F	HM HOLLOW METAL	MGR MANAGER	PNT PAINT(ED)	SHWR SHOWER	VB VINYL/RUBBER BASE
ANC ANCHOR(AGE)	CONTR CONTRACT(OR)	FA FIRE ALARM, FRESH AIR	HOR HORIZONTAL	MH MANHOLE	POB POINT OF BEGINNING	SIM SIMILAR	VCP VITRIFIED CLAY PIPE
ANOD. ANODIZED	COORD COORDINATE	FAI FRESH AIR INTAKE	HP HORSEPOWER	MIN MINIMUM	PR PAIR	SKL SKYLIGHT	VCT VINYL COMPOSITION TILE
APPROX. APPROXIMATE	CP CLAY PIPE	FAS FASTENER	HR HANDRAIL	MIR MIRROR	PRF PREFORMED	SL SLEEVE	VENT VENTILATOR
ARCH ARCHITECT, ARCHITECTURAL	CPG COPING	FB FACE BRICK	HT HEIGHT	MKBD MARKERBOARD	PROJ PROJECT	SNT SEALANT	VERT (OR VERTICAL
ASB ASBESTOS CONTRACTOR	CPR COPPER	FB FACE BRICK	HTR HEATING	MLD MOULDING, MOLDING	PRT PRESERVATIVE TREATED	SP SOUND PROOF	VEST VESTIBULE
ASBC ASBESTOS CONTRACTOR	CPT CARPET(ED)	FBO FINISHED BY OTHERS	HTX HEAT EXCHANGE	MMB MEMBRANE	PSC PRE-STRESSED CONCRETE	SPC SPACER	VF VINYL FABRIC
ASPH ASPHALT AUX AUXILLARY	CR COLD ROLLED CRS COURSE(S)	FBO FINISHED BY OTHERS	HVAC HEATING, VENTILATION \$ AIR CONDITIONING	MNT MOUNT	PSF POUNDS PER SQUARE FOOT	SPEC SPECIFICATION(S)	VIF VERIFY IN FIELD
AUX AUXILLARY AVG AVERAGE	CRS COURSE(S) CSMT CASEMENT	FBR FIBERBOARD FBR FIBERBOARD	HW HOT WATER	MO MASONRY OPENING	PSI POUNDS PER SQUARE INCH PT POINT	SPKR SPEAKER	VIN VINYL
	CST CAST STONE	FC FAN COIL	HWH HOT WATER HEATER	MOD MODULAR MON MONUMENT		SPL SPECIAL SQ SQUARE	VJ V-JOINT(ED)
AWG AMERICAN WIRE GAGE	CT CERAMIC TILE	FC FAN COIL	HYD HYDRANT	MOV MOVABLE			VOL VOLUME
B	CTR COUNTER	FCU FAN COIL UNIT		MRB MARBLE	PTN PARTITION PTR PAPER TOWEL RECEPTOR	SS STAINLESS STEEL SSK SERVICE SINK	VTR VENT THROUGH ROOF
BCJ BRICK CONTROL JOINT	CU CUBIC	FD FLOOR DRAIN		MRD METAL ROOF DECKING	PV PAVE(D), PAVING	STA STATION	VWC VINYL WALL COVERING
BCU BLOWER CONTROL UNIT	CULV CULVERT	FDN FOUNDATION	ID INSIDE DIAMETER	MTFR METAL FURRING	PVC POLYVINYL CHLORIDE	STD STANDARD	VIVE WILL GOVERNING
BD BOARD	CV CHECK VALVE	FDR FOLDING DOOR	IN INCH(")	MTL METAL	PVCP PVC PIPE	STL STEEL	W
BEF BOARD FEET	CW COLD WATER	FE FIRE EXTINGUISHER	INCIN INCINERATOR	MULL MULLION	PVMT PAVEMENT	STN STAIN(ED)	W WIDE, WIDTH, WASTE, WATT, WEST
BEJ BRICK EXPANSION JOINT	CY CUBIC YARD	FEC FIRE EXTINGUISHER CABINET	INCL INCLUDE(D), INCLUDING	MULT MULTIPLE	PWD PLYWOOD	STOR STORAGE	W/ WITH
BEL BELOW	OF SOLIC WAY	FF FINISHED FLOOR	INFO INFORMATION	MWK MILLWORK	TETWOOD	STR STRUCTURAL	W/O WITHOUT
BEV BEVELED	D	FFE FINISH FLOOR ELEVATION	INS INSULATE(D)	Will Meet or Co.	Q	STV SOUND TRANSMISSION COEFFICIENT	WB WOOD BASE, WET BULB
BIT BITUMINOUS	DBL DOUBLE	FGL FIBERGLASS	INT INTERIOR	N	QA QUALITY ASSURANCE	SUBSTR SUBSTRUCTURE	WC WATER CLOSET
BLDG BUILDING	DC DIRECT CURRENT	FIG FIGURE	INV INVERT (ELEVATION)	N/F NOW OR FORMERLY	QC QUALITY CONTROL	SUPT SUPERINTENDENT	WCO WALL CLEANOUT
BLK BLOCK	DEG DEGREE	FIN FINISH(ED)	IP IRON PIPE / IRON PIPE SIZE	NA NOT AVAILABLE, NOT APPLICABLE	QT QUARRY TILE	SURF SURFACE	WD WOOD
BLKG BLOCKING	DEMO DEMOLISH, DEMOLITION	FLCO FLOOR CLEANOUT		NAT NATURAL	QTR QUARTER	SUSP SUSPENDED	WDW WINDOW
BM BENCH MARK	DF DRINKING FOUNTAIN	FLEX FLEXIBLE	J	NEC NATIONAL ELECTRICAL CODE,	QTY QUANTITY	SW SWITCH	WF WALL FIN RADIATION
BOF BOTTOM OF FOOTING	DH DOUBLE HUNG	FLEX FLEXIBLE	JC JANITOR'S CLOSET	NECESSARY		SY SQUARE YARD	WG WIRE(D) GLASS
вот воттом	DIA, Ø DIAMETER	FLG FLASHING	JF JOINT FILLER	NEG NEGATIVE	R	SYS SYSTEM	WH WATER HEATER, WALL HYDRANT
BPL BEARING PLATE	DIAG DIAGONAL, DIAGRAM	FLOUR FLOURESCENT	JNT JOINT	NIC NOT IN CONTRACT	R RISE(R)		WHB WHEEL BUMPER
BRG BEARING	DIM DIMENSION	FLR FLOOR(ING)	JST JOIST	NL NAILABLE	RA RETURN AIR	T	WI WROUGHT IRON
BRK BRICK	DIV DIVISION	FO FRAMED OPENING		NMT NONMETALLIC	RAD RADIUS	T TREAD	WM WIRE MESH
BRKT BRICK	DL DEAD LOAD	FOC FACE OF CONCRETE	K	NOM NOMINAL	RBR RUBBER	T\$B TOP \$ BOTTOM	WP WATERPROOF(ED), (ING)
BS BOTH SIDES	DLV DOOR LOUVER	FOF FACE OF FINISH	KIT KITCHEN	NRC NOISE REDUCTION COEFFICIENT	RBT RABBET	T#G TONGUE # GROOVE	WR WATER REPELLENT
BSMT BASEMENT	DMPR DAMPER	FOM FACE OF MASONRY	KO KNOCKOUT	NS NEAR SIDE	RC REINFORCED CONCRETE	TAB TABULATE	WS WATERSTOP
BTU BRITISH THERMAL UNIT	DN DOWN	FOS FACE OF STUDS	KPL KICKPLATE	NTS NOT TO SCALE	RCP REINFORCED CONCRETE PIPE	TC TERRA COTTA	WSCT WAINSCOT
BTUH BRITISH THERMAL UNIT PER HOUR	DOZ DOZEN	FP FIRE PROOF			RCP REFLECTED CEILING PLAN	TEL TELEPHONE	WT WEIGHT
BTWN BETWEEN	DP DAMP-PROOFING	FPL FLOOR PLATE	L	0	REF REFERENCE	TEMP TEMPORARY, TEMPERATURE	WTW WALL TO WALL
BUR BUILT-UP ROOF	DR DOOR	FR FRAME(D), FRAMING	L LENGTH	O/H OVERHEAD	REFR REFRIGERATE(D), REFIRGERATOR	TF TRANSPARENT FINISH	WV WALL VENT
BW BOTH WAYS	DS DOWNSPOUT	FRT FIRE-RETARDANT	LAB LABORATORY	OA OVERALL	REG REGISTER	THK THICK(NESS)	WWF WELDED WIRE FABRIC
	DT DRAIN TILE	FT FOOT, FEET	LAD LADDER	OBS OBSCURE	REINF REINFORCE(D), REINFORCING	THR THRESHOLD	WWM WELDED WIRE MESH
С	DTA DOVETAIL ANCHOR	FTG FOOTING	LAM LAMINATED	OC ON CENTER(S)	REQ REQUIRED	TKBD TACKBOARD	
C CHANNEL	DTL DETAIL	FUR FURRED, FURRING	LAT LATITUDE, LATITUDINAL	OD OUTSIDE DIAMETER	RES RESILIENT	TKS TACKSTRIP	X
C-C CENTER TO CENTER	DWG DRAWING	FURN FURNATURE	LAV LAVATORY	OFF OFFICE	RET RETURN	TMBR TERMINATION BAR	X BY (BETWEEN DIMENSIONS)
CAB CABINET	_	FXT FIXTURE	LBL LABEL	OHG OVERHANG	REV REVISED, REVISION(S)	TOF TOP OF FOOTING	XSECT CROSS SECTION
CAP CAPACITY	E		LF LINEAR FOOT	OPH OPPOSITE HAND	RFG ROOFING	TOJ TOP OF JOIST	V
CB CATCH BASIN	EA EACH	G	LH LEFT HAND	OPP OPPOSITE HAND	RFH ROOF HATCH	TOL TOLERANCE	T VD VARD
CBF HUNDRED BOARD FEET	EC ELECTRICAL CONTRACTOR	G GAS	LIC LICENSE(D)	OPP OPPOSITE	RFL REFLECT(ED), (IVE), (OR)	TOM TOP OF MASONRY	YD YARD
CD COLD DRAIN	EF EACH FACE	GA GALVANIZO	LINO LINOLEUM	OPS OPPOSITE SURFACE	RH RIGHT HAND	TOPO TOPOGRAPHY, TOPOGRAPHIC	YR YEAR
CEM CEMENT	EJ EXPANSION JOINT	GALV GALVANIZD	LINO LINOLEUM	ORIG ORIGINAL	RIM RIM (ELEVATION)	TOS TOP OF STEEL	
CER CERAMIC	EL ELEVATION	GB GRAB BAR	LIQ LIQUID LKR LOCKER	OWSJ OPEN-WEB STEEL JOIST	RL RAIL(ING)	TOW TOP OF WALL	
CF CUBIC FOOT	ELEC ELECTRIC(AL)	GC GENERAL CONTRACT(OR)	LKR LOCKER LL LIVE LOAD	P	RM ROOM	TPD TOILET PAPER DISPENSER	
CFLG COUNTER FLASHING	ELEV ELEVATOR	GCMU GLAZED CMU	LLH LONG LEG HORIZONTAL	PA PUBLIC ADDRESS	RMV REMOVE	TPTN TOILET PARTITION	
CFM CUBIC FEET PER MINUTE	EMER EMERGENCY ENCLOSE ENCLOSURE	GD GRADE, GRADING	LLV LONG LEG VERTICAL	PAR PARALLEL	RO ROUGH OPENING	TR TRANSOM	
CFMF COLD-FORMED METAL FRAMING CFS CUBIC FEET PER SECOND	ENC ENCLOSE, ENCLOSURE ENG ENGINEER	GF GRANULAR FILL GFI GROUND FAULT INTERRUPTER	LMS LIMESTONE	PB PANIC BAR	ROW RIGHT OF WAY RP RADIANT PANEL	TRM TOILET ROOM TV TELEVISION CABLE	
	1 1VL7 1 1VL7 VL N	(コロー・・・ (コト・リンコン・コンコン・コンコン・コンコン・コンコン・コンコン・コンコン・コン	LIVIC LIIVILO I OINL		NI KALJANI FANTI		

PB PANIC BAR

PBD PARTICAL BOARD

TV TELEVISION, CABLE

TWP TOWNSHIP

RP RADIANT PANEL

RPM REVOLUTIONS PER MINUTE

LMS LIMESTONE

LONG LONGITUDE, LONGITUDINAL

GFI GROUND FAULT INTERRUPTER

GALVANIZED IRON

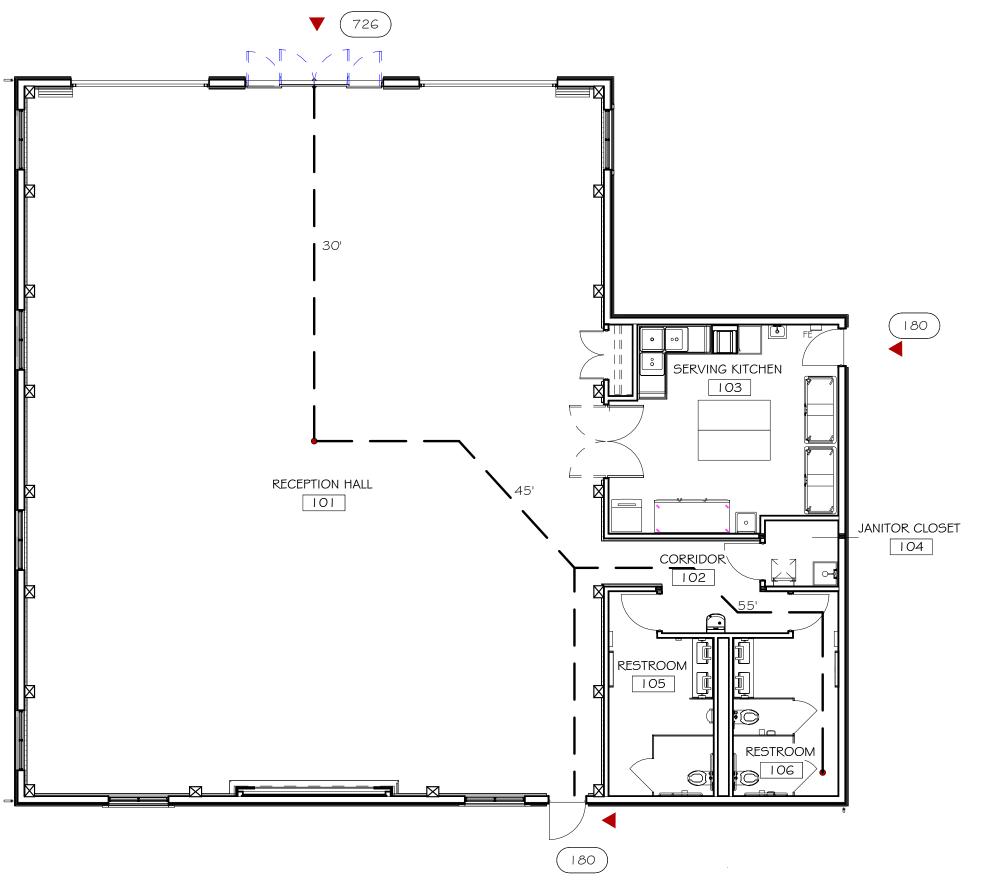
TIOGA DOWNS RACE TRACK, LLC

PROJECT
TIOGA DOWNS RECEPTION C
2384 WEST RIVER ROAD,
NICHOLS, NY 13812

DRAWING SCALE

AS NOTED
ISSUE DATE:

04/15/2024 PROJECT NO. 23-111



FIRE & LIFE SAFETY

SYMBOLS

WALL MOUNTED PORTABLE FIRE EXTINGUISHER W/SIGNAGE

— — EGRESS PATH

ACCESSIBLE ENTRANCE

EGRESS CAPACITY

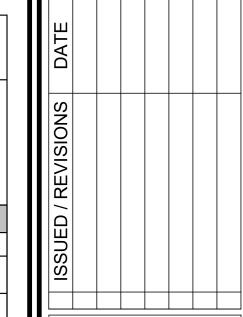
FIRST FLOOR FIRE & LIFE SAFETY PLAN

PROJECT CODE INFORMATION

- THE BUILDING SHALL BE IN COMPLIANCE WITH THE MOST RECENT VERSION OF THE FOLLOWING CODES:
- 2020 BUILDING CODE OF NEW YORK STATE (NYSBC)
 2020 ENERGY CONSERVATION CODE OF NY YORK STATE (NYSECC)
 2020 FIRE CODE OF NEW YORK STATE (NYSFC)
 2014 NATIONAL ELECTRICAL CODE (NEC)
 2013 ICC/ANSI A I 17. I
 CURRENT NATIONAL FIRE PROTECTION ASSOCATION (NFPA)

2020 FIRE CODE OF NEW YORK STATE (NYSFC)
2020 MECHANICAL CODE OF NEW YORK STATE (NYSMC)

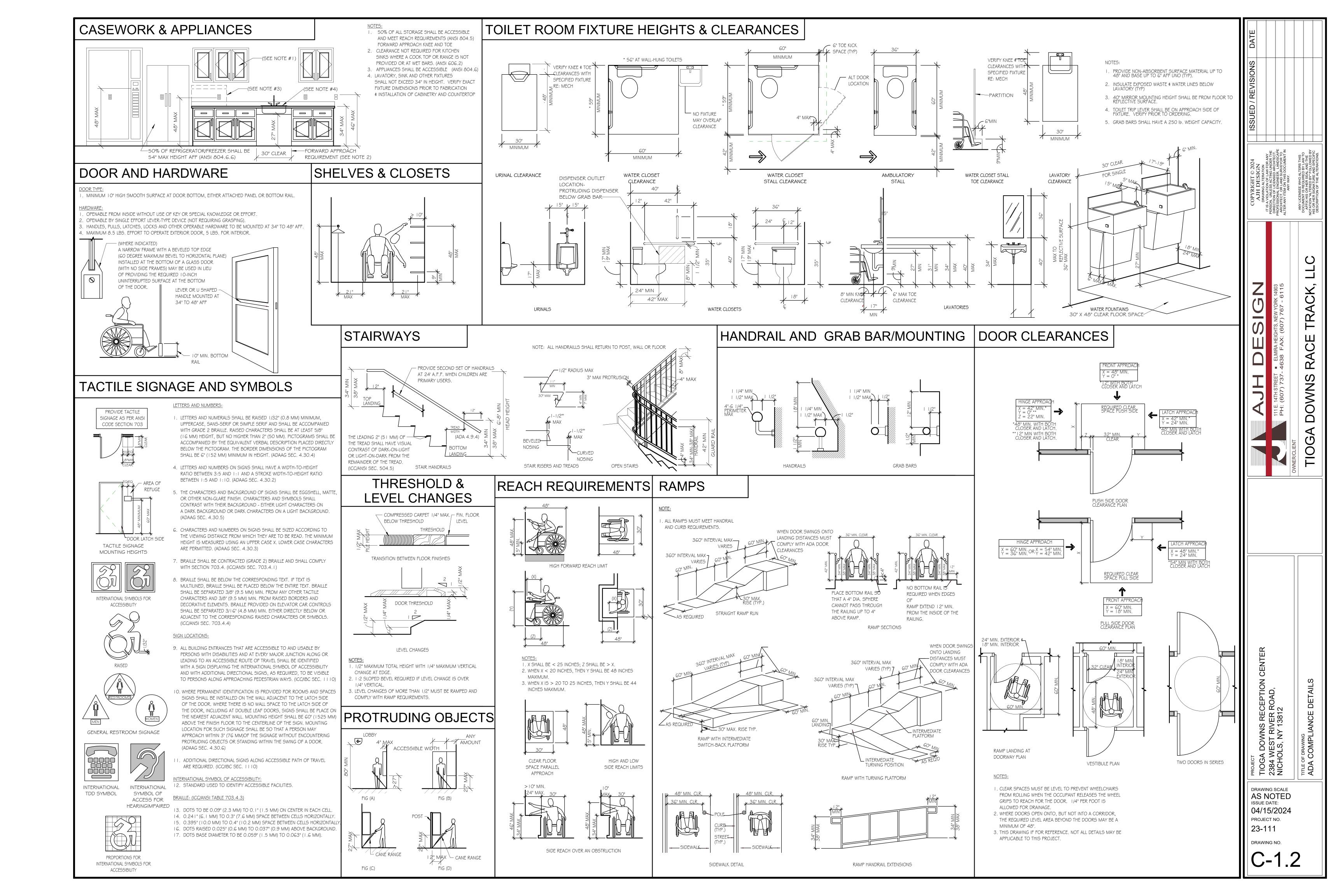
		EXISTING	G BUILDING INFO				
			NOTES			SECTION	
DESCRIPTION	RECEPTION CENTER	2					
CLASSIFICATION OF WORK	NEW BUILDING					NYSEBC 901	
	OCCUPAN	CY CLAS	L SS AND SQUARE FO	OOTAGE			
OCCUPANCY	CLASS	Т	SQ. FT.		NOTES	SECTION	
ASSEMBLY	A-2		3,775			NYSBC 303.	
			3,775	TOTAL EXISTIN	NG		
		CONS	TRUCTION TYPE				
OCCUPANCY	CONST. TYPE			NOTES		SECTION	
A-2						NYSBC 602.	
	CONS	TRUCTIC	DN TYPE REQUIREME	ENTS			
BUILDING ELEMENT	RATING	Т	CONST. TYPE		NOTES	SECTION	
STRUCTURAL FRAME	0		IV	HE	EAVY TIMBER	NYSBC	
BEARING WALLS (EXT.)	2		IV			TABLE 601	
BEARING WALLS (INT.)	1 / HT		IV IV	201 5105 050	DARATION DICTANCE	TABLE 602	
NON-BEARING WALLS (EXT.)	0		IV		'ARATION DISTANCE 2 AT TIMBER FRAMES		
NON-BEARING WALLS (INT.) FLOOR CONSTRUCTION	0		IV		EAVY TIMBER	NYSBC TABLE 60 I	
ROOF CONSTRUCTION	0		IV		EAVY TIMBER		
	ALLO	OWABLE	HEIGHTS AND ARE	4			
REQUIREMENT	ALLOWABLE		ACTUAL		NOTES	SECTION	
BUILDING HEIGHT	65'-0"		35'-0"			NYSBC TABL	
NUMBER OF STORIES	3 STORIES		I STORIES			504.3 NYSBC TABL	
						504.4 NYSBC TABLI	
SQUARE FOOTAGE	15,000		3,775			506.2	
5,5,		RE PRO	TECTION SYSTEMS		NOTES	077	
ELEMENT SPRINKLER SYSTEM	REQUIRED YES		PROVIDED YES		NOTES	SECTION NYSBC 903	
YARD HYDRANTS	N/A		NO NO			NYSBC 903	
STANDPIPE SYSTEMS	NO		NO			NYSBC 905	
PORTABLE FIRE EXTINGUISHERS	YES		YES		NYSBC 906		
FIRE ALARM/DETECTION SYSTEMS	YES		YES		KE ALARMS ROVIDED	NYSBC 907	
SMOKE AND HEAT VENTS	NO		NO			NYSBC 910	
		DRS AND	D INCIDENTAL USE A	I KEAS			
ELEMENT	RATING	Т		NOTES		SECTION	
CORRIDORS	0					NYSBC 1020	
FURNACE / BOILER ROOMS	0		SPRINKLER	SYSTEM PROVI	DED	NYSBC TABL 508.2.5	
		000	CUPANT LOAD			500.2.5	
FUNCTION OF SPACE	SQ. FT.			CUPANTS	NOTES	SECTION	
			ARIFS &		NOTES		
ASSEMBLY	2,848		AIRS	190		NYSBC TABL	
KITCHEN	308	1,	/50	6			
	TO	OTAL O	CCUPANTS	196			
		MEAN	NS OF EGRESS				
ELEMENTS	REQUIREMENT			NOTES		SECTION	
OCCUPANTS	196	RE	: OCCUPANT LOAD	ABOVE			
DOORS # CORRIDORS	39"		" WIDTH MINIMUM F " MIN. CORRIDOR	REQUIRED DOO	R (NONSPRINKLERED)	NYSBC 1005 NYSBC 101	
TRAVEL DISTANCE	250 FT MAX		PRINKLERED)			NYSBC TABL	
TOTAL EXITS	2		PROVIDED			10117.2 NYSBC	
	۷		BING FIXTURES			1006.3.3	
OCCUPANTS	REQU	IRED		PRC	OVIDED	SECTION	
ASSEMBLY (A-2)	MALE - 57	FE	MALE - 57	MALE	FEMALE		
WATER CLOSETS (1 PER 75)	l		ı	I & I URNIAL	2	, - -	
LAVATORIES (1 PER 200)	l			2	2	NYSPC TABI 403. I	
DRINKING FOUNTAIN (1 PER 500)		1		PRC	DVIDED		
SERVICE SINK		1			2		
		ENERG	Y COMPLIANCE				
APPLICABILITY	CHANGE IN			ST COMPLY WIT	H JECC	IECC 101.2	
	OCCUPANCY		10100		5	NYSECC	
CLIMATE ZONE	5A					TABLE 301.	
BUILDING ELEMENT	TYPE OF CONSTRL	ICTION	INSULATION REQUIREMENT		NOTES	SECTION	
ROOF	ATTIC AND OTHER		REQUIREMENT R38				
WALLS, ABOVE GRADE	ATTIC AND OTHER WOOD FRAMED		R38 R-13 + R-3.8 CI				
VVALLO, ADOVE GNADE	WOODINAMIL		OR R20				
WALLS, BELOW GRADE	BELOW GRADE WAI	L	R-7.5 CI			NYSECC	
FLOORS	JOIST/FRAMING R-30			TABLE 502.2 NYSEBC 90			
SLAB-ON-GRADE FLOORS	UNHEATED		R-10 FOR 24"			NYSEBC 907	
l			BELOW		•		

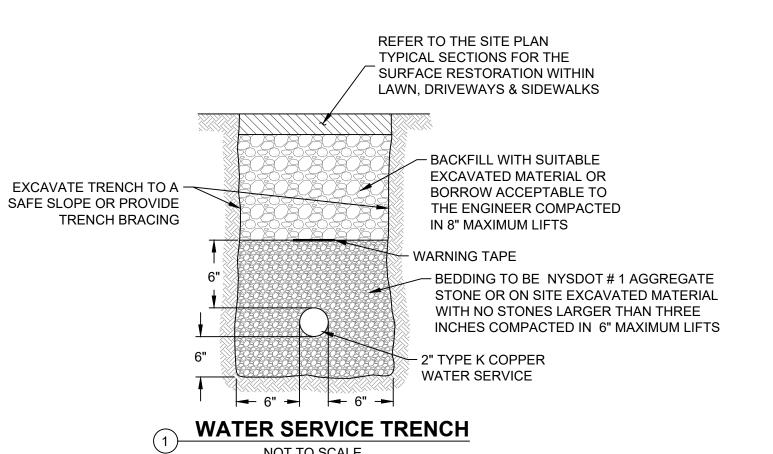


DRAWING SCALE
AS NOTED
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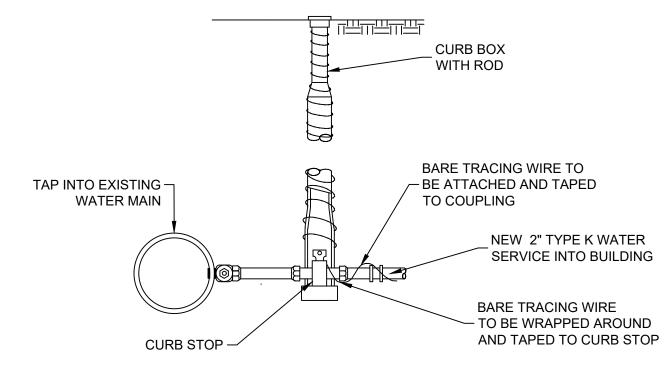
23-111 DRAWING NO.

C-1.1





WATER SERVICE TO BE BURIED WITH A MINIMUM COVER DEPTH OF FIVE FEET. CONTRACTOR TO KEEP TRENCH FREE OF WATER AND PROVIDE A STABLE BASE FOR THE PIPE BEDDING.



1. BACKFILL WILL BE MADE WITH NYSDOT # 1 AGGREGATE STONE OR ON SITE EXCAVATED MATERIAL WITH NO STONES LARGER THAN THREE INCHES TO THE BOTTOM OF TEMPORARY PAVEMENT, OR TO THE BOTTOM OF SUBBASE.

UNDISTURBED

MATERIAL

REFER TO THE SITE PLAN

TYPICAL SECTIONS FOR THE

SURFACE RESTORATION WITHIN

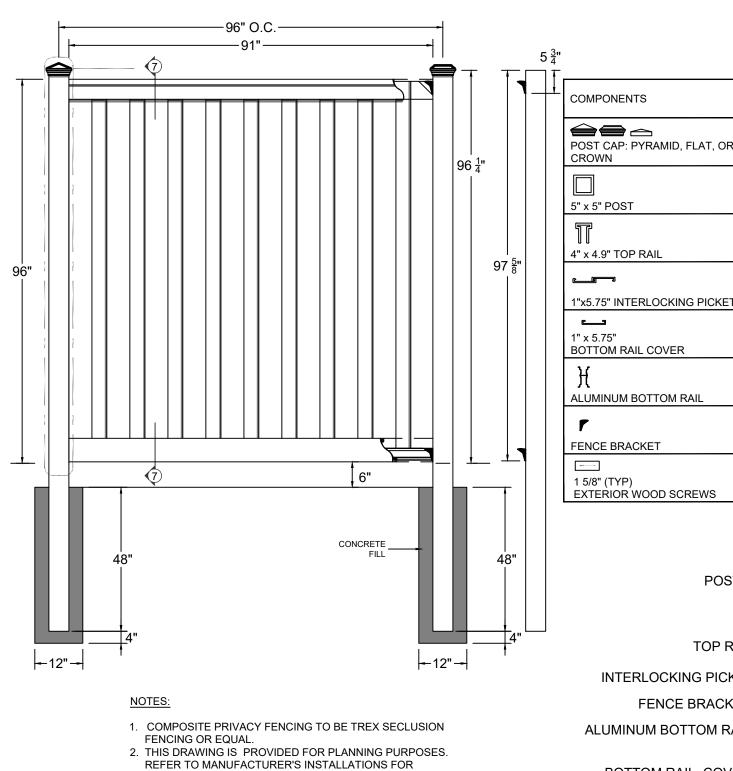
LAWN, DRIVEWAYS & SIDEWALKS

STORM, SANITARY - SEWER PIPE /

ELECTRIC CONDUIT

- 2. SLOPE SHEETING & BRACING PER OSHA, SPECIFICATION. TRENCH SHIELD OR SHEETING TO BE LIFTED ABOVE THE SPRING LINE. FOR EXCAVATIONS GREATER THAN 5 FEET IN DEPTH, THE CONTRACTOR SHALL LAYBACK TRENCH AT 1:1.5 (H:V).
- 3. WHERE STORM SEWER CROSSES PREVIOUSLY INSTALLED SANITARY SEWER, WATER OR GAS MAIN, ETC. TRENCH SHALL BE EXCAVATED DOWN TO THE PREVIOUSLY LAID UTILITY AND BACKFILL WITH #2 CRUSHED STONE COMPACTED IN 6" LIFTS TO INSURE ADEQUATE SUPPORT.
- 4. 6" STONE BEDDING, CONSISTING OF A BLENDING OF NYSDOT #1 AND #2 STONE, IS REQUIRED FOR SANITARY AND STORM SEWER INSTALLATIONS WITH CRUSHED STONE HAUNCHING TO A MINIMUM OF ONE-HALF OF THE PIPE DIAMETER ON THE SIDE OF THE PIPE.

UTILITY TRENCH IN PAVED AREA NOT TO SCALE



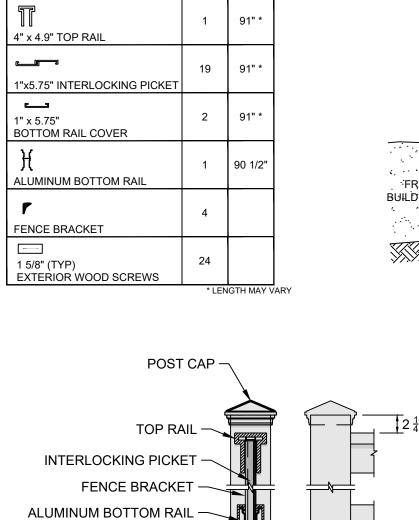
CONSTRUCTION DETAILS.

INFORMATION.

3. REFER TO MANUFACTURER'S WEBSITE FOR PRODUCT

PRIVACY FENCE

SCALE: NOT TO SCALE



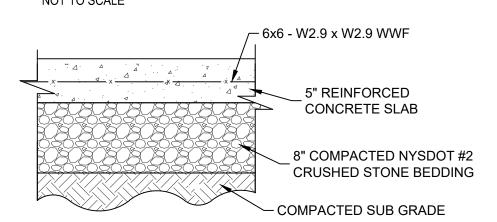
THREADED PLUG · - ADAPTOR WITH 12" MIN. THREADED PLUG - 6"x6"x10 GAUGE WIRE MESH 6" SCHEDULE 40 — · · · · ► PVC RISER - DUPLEX ADAPTOR 6" SCHEDULE 40 PVC 45 -(SDR 35 SPIGOT X SHEDULE 40 DEGREE STREET EL FEMALE HUB) — 6"Ø SDR 35 PVC 6"Ø SDR 35 PVC FOR SEWER PIPE BACKFILL STONE BEDDING (6"x6"x6") SEE TYPICAL TRENCH DETAIL UNDISTURBED SUBGRADE

CLEANOUT DETAIL

CONCRETE ENCASEMENT TO BE 3300 PSI

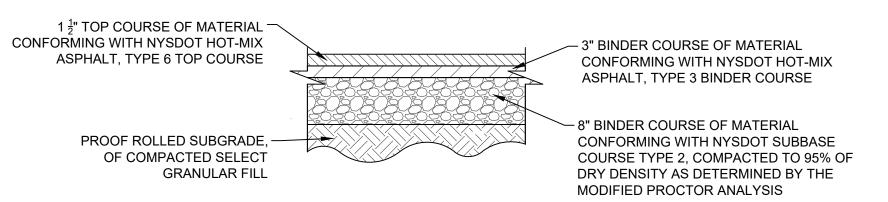
BOTTOM RAIL COVER -

WATER SERVICE INSTALLATION NOT TO SCALE



STANDARD DUTY CONCRETE SCALE: NOT TO SCALE

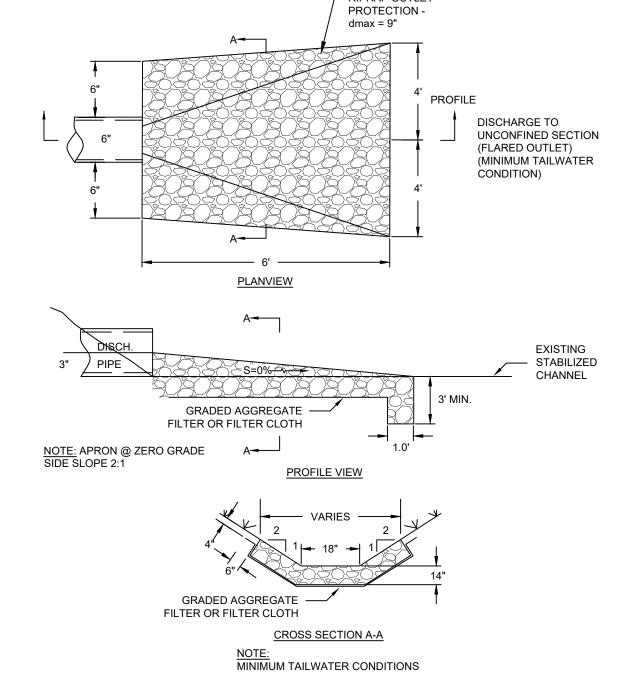
- 1. SLAB EDGE TO BE THICKENED TO 8 INCHES DEEP FOR THE OUTSIDE 12 INCHES AT EXTERIOR EDGES ADJOINING EXISTING
- PAVEMENT OR CONCRETE. 2. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED 2023 AND ALL ADDENDA
- CONCRETE SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 4500 PSI @ 28 DAYS AND SHALL BE PLACED IN ACCORDANCE WITH ACI SPECIFICATIONS AND ITS LATEST REVISION.
- REINFORCING STEEL FOR CONCRETE SHALL CONFORM WITH SECTION 556 REINFORCING STEEL FOR CONCRETE STRUCTURES
- OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND AS SPECIFICALLY CALLED OUT IN THE DRAWINGS. ALL EXPOSED SURFACES SHALL HAVE A BROOM TEXTURED FINISH, HAVE TOOLED EDGES TO MATCH EXISTING CONCRETE PAD. TOOL SHALL PROVIDE MAXIMUM 1-1/2" WIDE SMOOTH TROWEL FINISH AT JOINT.
- EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF TWENTY (20) FEET ON CENTER, OR AS INDICATED ON PLANS.
- CONTROL JOINTS SHALL BE LOCATED A MAXIMUM OF FIVE (5) FEET ON CENTER, OR AS INDICATED ON PLANS. JOINTS SHALL BE FORMED AND NOT SAW CUT.
- 9. EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH "SUREBOND" / "SAFEBOND" S8-7000 INTENSIFIER BRIGHT PROTECTOR AND SIDEWALK SEALER, OR EQUAL. RATE AND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH THE
- MANUFACTURER'S RECOMMENDATIONS. 10. SUBBASE MATERIAL SHALL CONFORM WITH SECTDION 304 OF THE ABOVE REFERENCED NYSDOT STANDARD.
- 11. WHERE IT IS NECESSARY TO PLACE FILL FOR THE PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN ACCORDANCE WIHT SECTION 203 - EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.



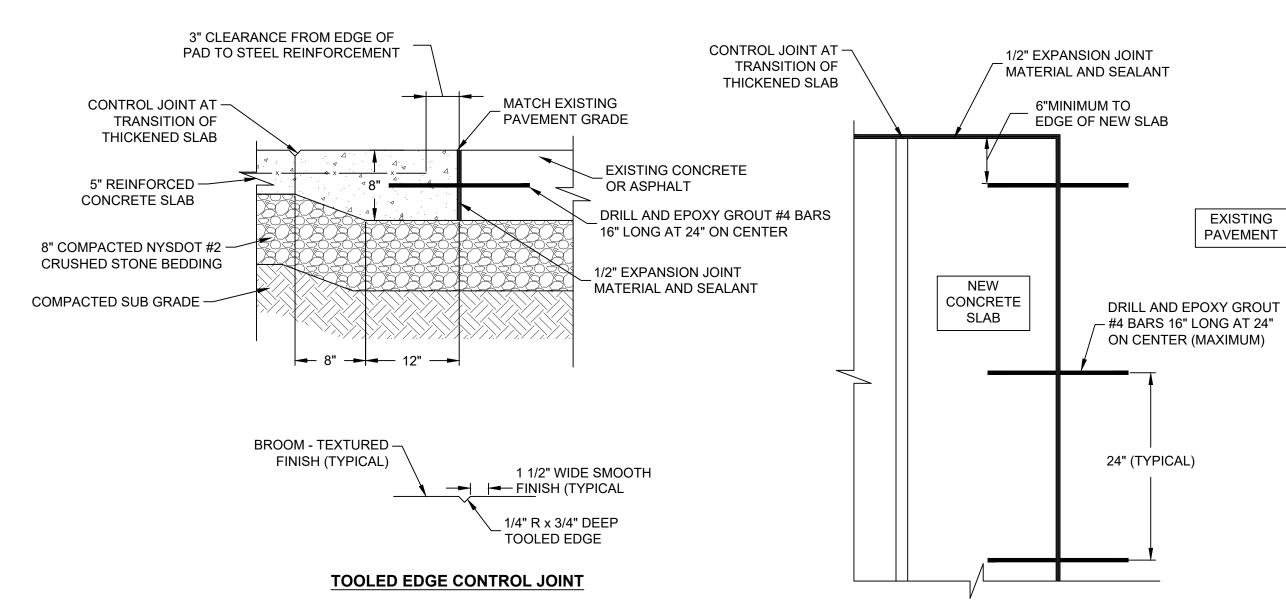
STANDARD DUTY ASPHALT

MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED 2023 AND ALL ADDENDA THERE TO.

- 2. SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS.
- 3. HOT MIX ASPHALT (HMA) PAVEMENT SHALL CONFORM WITH SECTION 400 HOT MIX ASPHALT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. ALTHOUGH SECTION 400 IN ITS ENTIRETY IS REFERENCED, THE HOT MIX ASPHALT (HMA) PAVEMENTS SPECIFIED FOR THIS CONTRACT SHALL BE AS SPECIFIED UNDER SECTION 403 - HOT MIX ASPHALT (HMA) PAVEMENTS FOR MUNICIPALITIES.
- 4. TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH SECTION 407 - TACK COAT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
- 5. WHERE IT IS NECESSARY TO PLACED FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE. THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203 - EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.





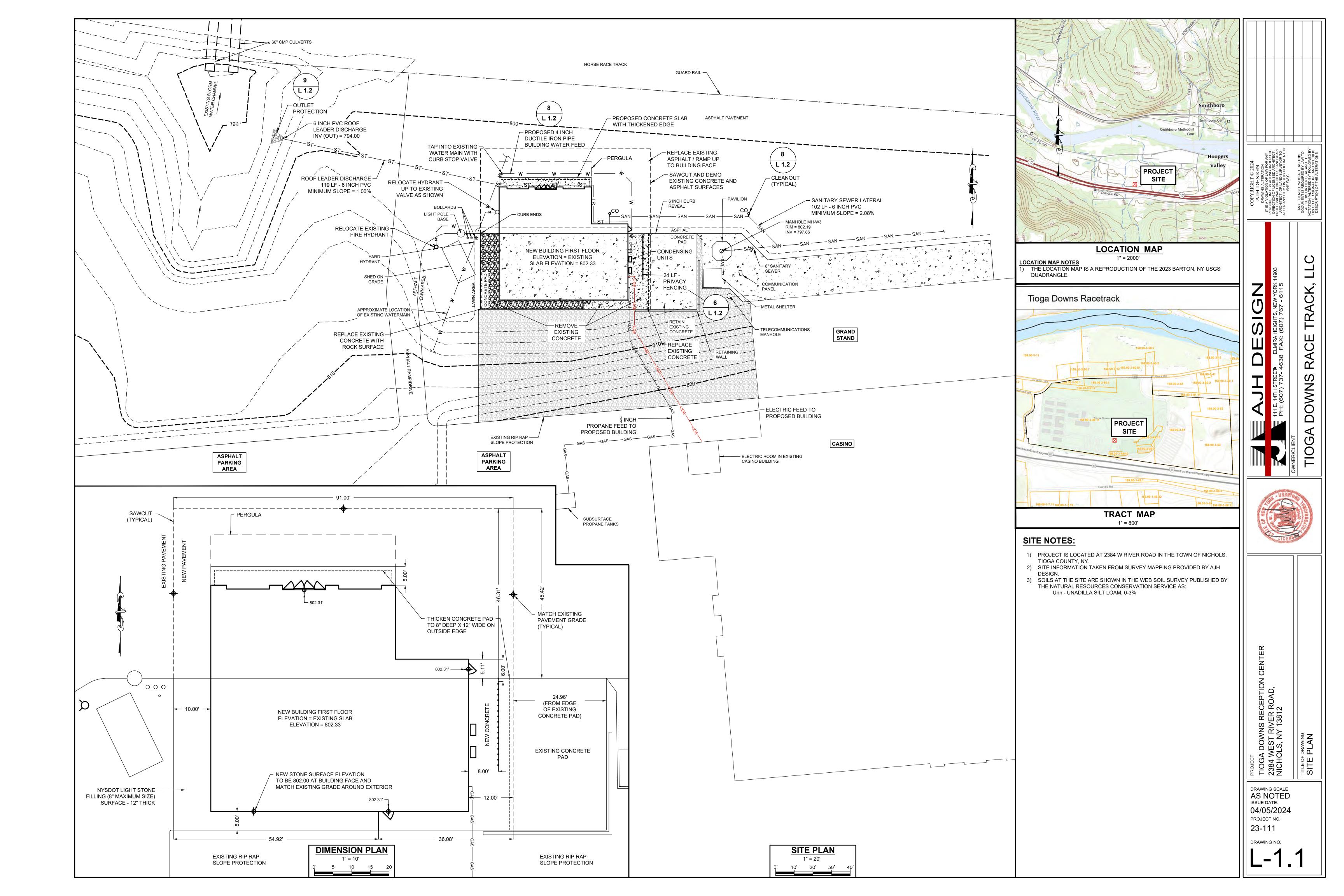


THICKENED SLAB

SCALE: NOT TO SCALE

DRAWING SCALE **AS NOTED** ISSUE DATE: 04/05/2024

PROJECT NO. 23-111



BU	ENERAL 2	2.
Α.	DING CODES AND STANDARDS	2
۱. 3.	NYS BUILDING CODE - INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, 2010 EDITION (ASCE 7)	
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	CLASSIFICATION	
DES	GN LOADS	2
١.	DEAD LOADS I. ROOF	_
	LIVE LOADS I. ATTIC	
	2. ROOF (MINIMUM)	
.	3. FLOOR ON GRADE	
	 GROUND SNOW LOAD (Pg)	
	3. TEMPERATURE FACTOR (Ct)	
	4. EXPOSURE FACTOR (Ce)	
	 BASIC WIND SPEED (V), 3 SECOND GUST	
	3. WIND EXPOSURE B	
	 INTERNAL PRESSURE COEFFICIENT +/- 0.18 COMPONENT & CLADDING DESIGN WIND PRESSURE 	
	a. ROOF PRESSURE (50 SF)15.6 PSF, +.543 PSF b. WALL PRESSURE (50 SF)15.58 PSF, +16.7 PSF	
	EARTHQUAKE DESIGN DATA	
	2. SEISMIC IMPORTANCE FACTOR (Ie) I .0	
	3. S₅	
	5. SITE CLASS D 6. SPECTRAL RESPONSE COEFFICIENTS	;
	a. S _{ds} 0.11	
	b. S _{d1} 0.057 7. SEISMIC DESIGN CATEGORY A	Ź
	8. SEISMIC RESPONSE COEFFICIENT (C ₅)	
	9. RESPONSE MODIFICATION FACTOR (R)	
	I I . ANALYSIS PROCEDUREEQUIVALENT LATERAL FORCE LATERAL EARTH PRESSURE	
	I. AT REST EARTH PRESSURE N/A	
	2. ACTIVE EARTH PRESSURE	
	COLATERAL LOAD	
) [) [] [] [NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS. FAILS LABELED "TYPICAL DETAILS" ON DRAWINGS APPLY TO SITUATIONS OCCURRING THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. CH DETAILS APPLY WHETHER OR NOT DETAILS ARE REFERENCED AT EACH CATION. NOTIFY SER OF CONFLICT REGARDING APPLICABILITY OF "TYPICAL DETAILS". NOT LOAD THE SLAB ON GRADE OR SUPPORTED SLAB WITH ERECTION CRANES OR	
	CTION EQUIPMENT. THE SLABS HAVE NOT BEEN DESIGNED FOR CRANE LOADS AND WILL	
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2. EARTHWORK AND FOUNDATIONS 2.1 DESIGN DATA

A. FOUNDATION DESIGN IS BASED UPON IBC TABLE 1806.2 AND AN ASSUMED

ALLOWABLE BEARING CAPACITY OF 1,500 PSF. B. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 4'-0" BELOW GRADE.

C. BUILDING SPREAD FOOTINGS SHALL BEAR ON UNDISTURBED SOILS ON PROPERLY

PLACED AND COMPACTED STRUCTURAL FILL WITH AN ASSUMED ALLOWABLE BEARING PRESSURE OF 1,500 PSF

2.2 DESIGN DATA

SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE GOVERNING

BUILDING CODE AND THE STATEMENT OF REQUIRED SPECIAL INSPECTIONS

WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF OTHER SPECIFIED TESTING, DUPLICATE INSPECTIONS SHALL NOT BE REQUIRED.

TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS.

PREPARED BY THE DESIGN PROFESSIONAL.

1.5 SPECIAL INSPECTIONS

A. CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE FOUNDATION SYSTEM AS SHOWN PRIOR TO STARTING WORK B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTING ALL EXISTING UTILITIES, EXISTING STRUCTURES, ETS., WHETHER INDICATED OR NOT,

WHICH MAY BE AFFECTED BY THE CONSTRUCTION PROCESS C. BEARING ELEVATIONS INDICATED ON THE DRAWINGS ARE ESTIMATED FROM EXPECTED SITE CONDITIONS. AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER SHALL MAKE DETERMINATION OF FINAL BEARING ELEVATIONS AND VERIFICATION OF ALLOWABLE BEARING PRESSURE.

D. CONCRETE FOR FOUNDATIONS SHALL BE POURED ON THE SAME DAY SUBGRADE APPROVAL IS GIVEN BY THE GEOTECHNICAL ENGINEER

FOLLOWING REQUIRED STRIPPING OPERATIONS, ANY PROOFROLLING SHALL BE AS DIRECTED BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER. THE PURPOSE OF THE PROOFROLLING WILL BE TO LOCATE ANY ISOLATED AREAS OF SOFT OR LOOSE SOILS REQUIRING IMPROVEMENT OR REPLACEMENT. SOFT AREAS SHALL BE UNDERCUT AND REPLACED BY PROPERLY COMPACTED MATERIALS.

F. ALL SHORING, SHEETING, AND DEWATERING SHALL BE THE TOTAL RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION SHALL DESIGN SHEETING AND SHORING. ALL SUBMITTALS SHALL BEAR THE ENGINEERS'S SEAL AND SIGNATURE.

2.3 THE CONTRACTOR SHALL PROVIDE AND OPERATE DEWATERING EQUIPMENT AND BE RESPONSIBLE FOR MAINTAINING EXCAVATIONS AND WORK AREAS IN A DRY CONDITION SATISFACTORY TO THE SER. WATER SHALL BE DISCHARGED TO A LOCATION SUITABLE TO THE SER AND IN ACCORDANCE WITH APPLICABLE LOCAL STATE AND FEDERAL LAWS AND REGULATIONS.

2.4 ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TEST TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE. 2.5 BACKFILL

A. ALL BACKFILL AND TRENCHING OPERATIONS SHALL COMPLY WITH ALL CURRENT AND APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES, INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE SHORING OF THE NEW AND EXISTING CONSTRUCTION DURING CONSTRUCTION OPERATIONS IN ORDER TO PREVENT ANY DAMAGE DUE TO BACKFILLING AND TRENCHING.

ALL BACKFILL SHALL BE ACCOMPLISHED USING MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER, WITH OPTIMUM MOISTURE CONTENT FOR COMPACTING AND SHALL BE FREE OF DEBRIS.

D. WHERE THE FINAL GRADE ELEVATIONS ARE APPROXIMATELY EQUAL ON BOTH SIDES OF A WALL, BACKFILL IN LIFTS TO MAINTAIN LEVEL ELEVATIONS WITHIN IO" ON BOTH SIDES AT ANY TIME.

2.6 STRUCTURAL FILL

COMPACTED STRUCTURAL FILL SHALL MEET N.Y.S. D.O.T. TYPE 4 REQUIREMENTS. INSPECTION OF THE PLACEMENT OF COMPACTED STRUCTURAL FILL SHALL BE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER.

B. INSPECTION OF THE PLACEMENT OF COMPACTED STRUCTURAL FILL SHALL BE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER. GENERAL AGGREGATE....

. NYS DOT TYPE 4

2. CONTROLLED LOW STRENGTH MATERIAL... TYPE C (PUB 408) SECTION 220)

C. EXECUTION AFTER ACHIEVING FINISHED SUBGRADE IN CUT AREAS AND PRIOR TO PLACING STRUCTURAL FILL IN AREAS BELOW FINISHED SUBGRADE. THE EXPOSED

SUBGRADE SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER OF RECORD TO CONFIRM THAT ALL UNSUITABLE OR UNSTABLE MATERIALS HAVE BEEN 2. ALL STRUCTURAL FILL SHALL BE PLACED IN HORIZONTAL LIFTS NOT EXCEEDING EIGHT (8) INCHES IN LOOSE THICKNESS AND WITHIN TWO (2) PERCENT OF

OPTIMUM MOISTURE FOR COMPACTION. THE STRUCTURAL FILL SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR (ASTM D1557). MAINTAIN SUBGRADE AND STRUCTURAL FILL MOISTURE CONTENT UNTIL

FOUNDATIONS ARE PLACED. 2.7 GRANULAR BASE MATERIAL

A. A MINIMUM OF SIX (6) INCHES OF GRANULAR SUBBASE SHALL BE PLACED UNDER ALL CONCRETE SLABS-ON-GRADE.

2.8 FOUNDATIONS

ALL BEARING AREAS FOR FOUNDATIONS SHALL HAVE BEEN INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD PRIOR TO ANY PLACEMENT OF CONCRETE. IF BEARING AREAS ARE NOT SUITABLE, AS DETERMINED BY THE GEOTECHNICAL ENGINEER, THE CONTRACTOR MAY BE REQUESTED TO CARRY THE EXCAVATION DEEPER TO MORE SUITABLE BEARING MATERIAL. SUCH ADDITIONAL EXCAVATION WILL BE PAID FOR BY A LUMP SUM OR UNIT PRICE BASIS.

B. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST OR ICE.

C. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES AND CONDUITS ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS. LOWER FOOTINGS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.

COORDINATE WITH ELECTRICAL CONTRACTOR AND ELECTRICAL ONE-LINE DIAGRAM FOR PROPER BONDING OF THE FOOTING REINFORCEMENT TO THE GROUNDING SYSTEM.

3.1 FORMWORK

A. STANDARDS AMERICAN CONCRETE INSTITUTE (ACI) - GUIDE TO FORMWORK FOR

CONCRETE, ACI 347-04 2. ACI - FORMWORK FOR CONCRETE SP-4, FIFTH EDITION.

FORMWORK MAY BE OMITTED FOR FOUNDATIONS PROVIDED EARTH IS FIRM AND STABLE AND CONCRETE SURFACES WILL NOT BE EXPOSED TO PUBLIC VIEW. EXCAVATIONS SHALL BE CUT NEAT AND ACCURATE TO SIZE. LOOSE AND UNSTABLE MATERIALS SHALL BE COMPACTED OR REMOVED. PROVIDE TWO (2) INCHES ADDITIONAL CONCRETE COVER AT

SIDES FOR EARTH FORMS WHEN USED IN LIEU OF TEMPORARY FORMWORK. INSULATED CONCRETE FORMWORK (ICF) SHALL BE MANUFACTURED BY THE NUDURA CORPORATION OR APPROVED EQUAL. INSTALL ICF PER THE MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS.

3.2 REINFORCING

A. STANDARDS ACI 301-16 - SPECIFICATIONS FOR STRUCTURAL CONCRETE.

CONCRETE REINFORCING STEEL INSTITUTE (CRSI) - MANUAL OF

STANDARD PRACTICE, EIGHTH EDITION. WIRE REINFORCEMENT INSTITUTE, INC. (WRI) - DESIGN OF SLAB-ON-GROUND FOUNDATIONS, WRI/CRSI-81 WITH 1996 UPDATE. ACI DETAILING MANUAL - SP-66 (04)

DEFORMED AND PLAIN BARSASTM AG 15 GRADE 60 WELDED WIRE REINFORCEMENT (WWR)......ASTM A I 85. PLAIN, 65,000 PSI YIELD STRESS IN FLAT SHEETS.

EXPANSION BOLTS HILTI KWIK BOLT II OR

RESPECTIVELY, PER ASTM E 84.

C. EXECUTION COORDINATE PLACEMENT OF CAST-IN-PLACE EMBEDMENTS AND ANCHOR RODS WITH A TEMPLATE. SECURELY ATTACH EMBEDMENT ITEMS TO

ARLINGTON HEIGHTS, IL OR APPROVED EQUAL.

ADHESIVE REINFORCING HILTI HY-150 SYSTEM OR

FORMWORK OR REINFORCING. PLACE CONCRETE IN ONE LAYER OR IN HORIZONTAL LAYERS OF SUCH THICKNESS SO THAT NO NEW CONCRETE WILL BE PLACED ON CONCRETE THAT HAS HARDENED ENOUGH TO CAUSE SEAMS OF PLANES OF WEAKNESS (COLD JOINTS).

UNLESS NOTED OTHERWISE MAINTAIN THE FOLLOWING CONCRETE

CONCRETE CAST AGAINST EARTH...... 3 INCHES

#5 AND SMALLER BARS..... 1 1/2 INCHES

#11 AND SMALLER BARS......3/4 INCHES

PROVIDE CLASS "B" REINFORCEMENT SPLICES FOR CONTINUOUS

WITH THE FOLLOWING TABLE UNLESS NOTED OTHERWISE.

48

63

104

101

COMPRESSION DOWEL EMBEDMENT SHALL BE 22 BAR DIAMETERS.

PROVIDE CONTINUOUS HORIZONTAL WALL REINFORCEMENT WITH 90°

BENDS AND EXTENSIONS AT CORNERS AND INTERSECTIONS AS SHOWN

BE REINFORCED WITH ONE (I) #4 BY 2'-0" LONG (MIN) AT 45° FROM THE

WHERE REQUIRED AND UNLESS NOTED OTHERWISE, PROVIDE DOWELS TO

SPLICES FOR WELDED WIRE FABRIC SHALL BE TWO (2) INCHES IN

6. ALL RE-ENTRANT CORNERS FOR SLAB-ON-GRADE CONSTRUCTION SHALL

DO NOT WELD OR BEND REINFORCEMENT IN THE FIELD UNLESS

PRIOR TO FABRICATION, CONTRACTOR SHALL SUBMIT STEEL

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI

d. NORMAL WEIGHT AGGREGATE...... ASTM C33 CLASS 3S

WATER-REDUCING/RETARDING......ASTM C494 TYPE D

2. CONCRETE MIXTURES SHALL BE THE NORMAL WEIGHT TYPE (145 PCF) AND

k. PLASTICIZING/RETARDING...... ASTM C1017 TYPE II

a. ALL BUILDING ELEMENTS, UNLESS NOTED OTHERWISE:

2) COMPRESSIVE STRENGTH @ 28 DAYS....

EXPOSED TO WEATHER...

b. MOISTURE-RETAINING COVER......ASTM C171

VAPOR RETARDER: ASTM E1745 CLASS A

TROWELED FINISHED SLABS

CONCRETE SURFACES SHALL BE CURED A MINIMUM OF SEVEN (7) DAYS PER

MEMBRANE-FORMING CURING COMPOUND ASTM C309 TYPE I

BONDING AGENT/DOWEL AND ANCHOR GROUT: SIKADUR 32 HI-MOD

MEMBRANE-FORMING CURING/SEALING COMPOUND....ASTM

AS MANUFACTURED BY SIKA CORP. OF LYNDHURST, NJ OR

CONTRACTION OR CONSTRUCTION JOINT SEALANT: SIKADUR

5 I SL AS MANUFACTURED BY SIKA CORP. OF LYNDHURST,

ISOLATION JOINT SEALANT: SKIAFLEX - 1a AS MANUFACTURED

PREMOLDED EXPANSION JOINT FILLER (PMF): HOMEX 300 AS

SPREAD AND SMOKE-DEVELOPED INDICES OF 75 AND 450,

MANUFACTURED BY HOMASOTE COMPANY, WEST TRENTON, NJ OR

UNDERSLAB INSULATION: EXTRUDED-POLYSTYRENE PER ASTM C578

TYPE IV, 25 PSI COMPRESSIVE STRENGTH, WITH MAXIMUM FLAME-

WATERSTOP: VOLCLAY WATERSTOP-RX AS MANUFACTURED BY CETCO,

BY SIKA CORP. OF LYNDHURST, NJ OR APPROVED EQUAL.

..... 4000psi

COARSE AGGREGATE SIZE...... 1 1/2 INCHES (MAX)

NEGATIVELY REACT TO THE ALKALI CONTENT IN CEMENT

NOT EXPOSED TO WEATHER......6% (+/- | 1/2%)

FINE AGGREGATE... FREE OF ANY MATERIALS THAT

THE FOLLOWING FOR INDIVIDUAL BUILDING ELEMENTS:

FOOTINGS.....3000psi

SLABS...... 3500psi

WATER/CEMENT RATIO...

PORTLAND CEMENT..

6) SLUMP LIMIT..

7) AIR CONTENT

THE USE OF THE FOLLOWING:

a. ABSORPTIVE COVER...

C1315 TYPE | CLASS A

NJ OR APPROVED EQUAL

APPROVED EQUAL.

APPROVED EQUAL

ANCHORING SYSTEM:

APPROVED EQUAL

CLASS B

4. ACCESSORIES:

RECOMMENDED PRACTICE FOR CONCRETE FLOOR AND SLAB

SPECIFICALLY SHOWN OR APPROVED BY STRUCTURAL ENGINEER.

PRIOR TO THE PLACEMENT OF ANY CONCRETE, CONTRACTOR SHALL SUBMIT

CONCRETE MIX DESIGN(S) PERFORMED BY A QUALIFIED TESTING LABORATORY

FOR SER'S REVIEW AND APPROVAL. NO CALCIUM CHLORIDE OR ADMIXTURES

CONTAINING CHLORIDES SHALL BE USED IN ANY CONCRETE. MIX MATERIALS

..ASTM C150

..ASTM C1240

..ASTM C260

..ASTM C94 POTABLE

..ASTM C494 TYPE A

..ASTM C618 CLASS C OR F

..TYPE | (GRAY)

..0.59 (MAX)

...4% TO 6%

APPROVED EQUAL

...4 INCHES (+/- I INCH)

..AASHTO M182 CLASS 2

REINFORCEMENT SHOP DRAWINGS FOR SER'S REVIEW AND APPROVAL.

SHOP DRAWINGS SHALL BE CREATED IN ACCORDANCE WITH SP-66 (04).

MATCH SIZE AND SPACING OF MAIN REINFORCEMENT

TENSION SPLICES (IN)

ADDITION TO ONE SPACING OF CROSS WIRES.

ON TYPICAL REINFORCEMENT DETAILS.

SLAB EDGES AND AT SLAB MID-DEPTH

1. ACI 301-16 - SPECIFICATIONS FOR STRUCTURAL CONCRETE.

318-08 AND COMMENTARY, ACI 318R-08.

CONSTRUCTION, ACI 302.2-06.

SHALL COMPLY WITH THE FOLLOWING:

a. PORTLAND CEMENT.

SILICA FUME...

AIR-ENTRAINING ..

WATER-REDUCING ..

FLY ASH

WATER...

ALL REINFORCEMENT SHALL BE SUPPORTED AND HELD IN PLACE BY

MANUFACTURED STEEL WIRE BAR SUPPORTS IN ACCORDANCE WITH CRSI.

USE OF ANY OTHER MATERIALS WITHOUT WRITTEN AUTHORIZATION BY THE

PROVIDE STANDARD 90° HOOKS IN ACCORDANCE WITH ACI 318 UNLESS

REINFORCEMENT. REINFORCEMENT SPLICES SHALL BE IN ACCORDANCE

BAR SIZE TOP BARS OTHER BARS COMPRESSION SPLICES (IN)

...2 INCHES

12

15

19

#6 AND LARGER BARS......2 INCHES

CONCRETE EXPOSED TO THE WEATHER:

CONDITIONS OTHER THAN ABOVE:

#14 AND #18 BARS....

COVER FOR REINFORCEMENT

SER IS PROHIBITED

NOTED OTHERWISE

#3

#4

#5

#6

#7

#8

#9

#10

#||

3.3 CAST - IN - PLACE CONCRETE

MATERIALS

A. STANDARDS

35

62

90

131

162

PROVIDE CONSTRUCTION, CONTRACTION AND ISOLATION JOINTS AS INDICATED ON DRAWINGS. HORIZONTAL CONSTRUCTION JOINTS ARE NOT ALLOWED UNLESS SPECIFICALLY NOTED OR APPROVED BY THE SER. PROPOSED JOINT LOCATIONS THAT ARE DIFFERENT OR IN ADDITION TO THE JOINT LOCATIONS INDICATED ON THE DRAWINGS MUST BE REVIEWED AND APPROVED BY THE SER.

CONSTRUCTION JOINTS AND CONTROL JOINTS IN SLABS ON GRADE SHALL BE ARRANGED TO LIMIT MAXIMUM LENGTH BETWEEN JOINTS TO 15'-0" IN ANY DIRECTION. ALLOW A MINIMUM OF 48 HOURS TIME BETWEEN PLACEMENT OF ADJACENT SECTIONS.

4. UNLESS NOTED OTHERWISE, CHAMFER ALL EXPOSED EDGES OF

CONCRETE 3/4 INCH. ALL INTERIOR SLABS-ON-GRADE SHALL BE PLACED OVER A 10 MIL (MIN) VAPOR RETARDER. ALL EDGES OF THE VAPOR RETARDER SHALL BE LAPPED A MINIMUM OF 6 INCHES AND TAPED TO PREVENT ANY AND ALL PASSAGE OF MOISTURE.

BEGIN CURING PROCEDURES IMMEDIATELY AFTER COMPLETING PLACEMENT. CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES AND MECHANICAL INJURY. METHODS OF CURING SHALL BE AS FOLLOWS:

MATS, PADS AND SLABS SHALL BE COVERED WITH WATERPROOF SHEETING FOR AT LEAST SEVEN (7) ACCEPTABLE DAYS. A DAY ON WHICH THE "CURING" TEMPERATURE DROPS BELOW 50° IS NOT CONSIDERED TO BE AN ACCEPTABLE DAY. THE "CURING TEMPERATURE" IS CONSIDERED TO BE THE TEMPERATURE OF AIR IMMEDIATELY ADJACENT TO THE CONCRETE.

PROVIDE A CONTINUOUS, UNIFORM MEMBRANE BY SPRAY APPLYING TWO (2) COATS OF A CURING COMPOUND TO ALL FORMED SURFACES. APPLY FIRST COAT IMMEDIATELY AFTER STRIPPING FORMS AND AFTER ACCEPTANCE OF THE CONCRETE FINISH. APPLY THE SECOND AFTER THE FIRST APPLICATION HAS SET (+/-3 DAYS).

7. ALUMINUM MATERIALS ARE NOT PERMITTED TO BE EMBEDDED IN CONCRETE.

DEPOSIT CONCRETE IN HORIZONTAL LAYERS OF DEPTH NOT TO EXCEED FORMWORK DESIGN PRESSURES AND IN A MANNER TO AVOID INCLINED CONSTRUCTION.

CONSOLIDATE PLACED CONCRETE WITH MECHANICAL VIBRATING EQUIPMENT ACCORDING TO ACI 301

10. DO NOT USE VIBRATORS TO TRANSPORT CONCRETE INSIDE FORMS. INSERT AND WITHDRAW VIBRATORS VERTICALLY AT UNIFORMLY SPACED LOCATIONS TO RAPIDLY PENETRATE PLACED LAYER AND AT LEAST G INCHES INTO PRECEDING LAYER. DO NOT INSERT VIBRATORS INTO LOWER LAYERS OF CONCRETE THAT HAVE BEGUN TO LOSE PLASTICITY. AT EACH INSERTION, LIMIT DURATION OF VIBRATION TO TIME NECESSARY TO CONSOLIDATE CONCRETE AND COMPLETE EMBEDMENT OF REINFORCEMENT AND OTHER EMBEDDED ITEMS WITHOUT

CAUSING MIXTURE TO SEGREGATE.

4.1 CODES

"DESIGN SPECIFICATIONS." TIMBER CONSTRUCTION MANUAL, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

"NATIONAL DESIGN SPECIFICATIONS OF WOOD CONSTRUCTION", AMERICAN FOREST AND PAPER ASSOCIATION, AMERICAN WOOD COUNCIL. "PERFORMANCE STANDARD AND POLICIES FOR STRUCTURAL USE PANELS," PRP-108, AMERICAN PLYWOOD ASSOCIATION (APA).

4.2 MATERIALS

ALL SAWN LUMBER SHALL HAVE 19% MAXIMUM MOISTURE CONTENT AND SHALL BE SURFACE DRY SOUTHERN PINE WITH THE FOLLOWING MIN.

CEILING JOISTS / RAFTER / BEAMS: NUMBER I OR BETTER Fb = 875 psi Fa (PAR) = 1150 psi Fv = 135 psiFt = 450 ps Fc (PERP) = 425 ps E = 1,400,000 ps

APA PERFORMANCE RATED PLYWOOD PANELS (1) PLYWOOD WALL SHEATHING 19/32" THICK, EXPOSURE 1, SPAN RATING 32/16 (2) PLYWOOD ROOF SHEATHING 19/32" THICK, EXPOSURE 1. SPAN RATING 40/20 (3) PLYWOOD SUBFLOOR 23/32" THICK, EXPOSURE 1, SPAN RATING 40/20

4.3 SAWN LUMBER

MEMBERS SHALL BE SET WITH CROWN UP AND HAVE A MINIMUM OF 3" BEARING

MEMBERS FRAMING TO BEAMS, HEADERS, ETC. SHALL BE SECURED WITH SIMPSON STRONG-TIE FRAMING ANCHORS OR APPROVED EQUAL, UNLESS OTHERWISE NOTED OR SHOWN

C. ALL JOISTS AND RAFTERS SHALL BE RIGIDLY BRIDGED AT INTERVALS NOT EXCEEDING 8'-0".

PROVIDE CONTINUOUS SOLID BLOCKING UNDER CONCENTRATED LOADS DOWN THROUGH ROOF FRAMING TO EXISTING BEARING WALLS.

DESIGN OF TRUSSES, TRUSS BRACING AND DETAILING OF TRUSS CONNECTIONS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE BY THE FABRICATOR'S ENGINEER REGISTERED IN THE PROJECTS JURISDICTION

F. ALL BOLTS AND LAG BOLTS SHALL BE FITTED WITH GALVANIZED, MALLEABLE IRON OR STEEL PLATE WASHERS.

G. CONNECTION DETAILS SHOW ARRANGEMENT OF STRUCTURAL MEMBERS ONLY. DESIGN OF CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE BUILDER/FABRICATOR.

MANUFACTURED WOOD BEAMS UTILITY MICROLAM FRAMING MEMBERS SHALL BE "1.9E MICROLAM", "PARALLAM", OR APPROVED EQUAL WITH THE FOLLOWING MECHANICAL PROPERTIES AND MINIMUM STRENGTH VALUES:

Fb = 2600 psi Fc (PER) = 2310 psi Fv = 285 psiFc (PERP) = 750 psi E - 2,000,000 psi

> SIZE SHEAR MOMENT I-3/4" x 9-3/4" 3075 LBS 5600 FT/LBS I-3/4" x | I-7/8" 3950 LBS 8925 FT/LBS

4.4 PLYWOOD PANELS

A. FACTORY-MARK EACH CONSTRUCTION PANEL WITH APA TRADEMARK EVIDENCING COMPLIANCE WITH GRADE REQUIREMENTS

INSTALL PANELS WITH FACE GRAIN PERPENDICULAR TO THE SUPPORTING MEMBERS, UNLESS SHOWN OTHERWISE.

4.5 WOOD PRESERVATIVE TREATMENT

WHERE LUMBER OR PLYWOOD IS INDICATED AS "TREATED" OR "PRESSURE TREATED", COMPLY WITH APPLICABLE REQUIREMENTS OF AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA) STANDARDS C2 (LUMBER) AND C9 (PLYWOOD) AND WITH AWPB STANDARDS LISTED BELOW. MARK EACH TREATED ITEM WITH THE AWPB QUALITY MARK REQUIREMENTS.

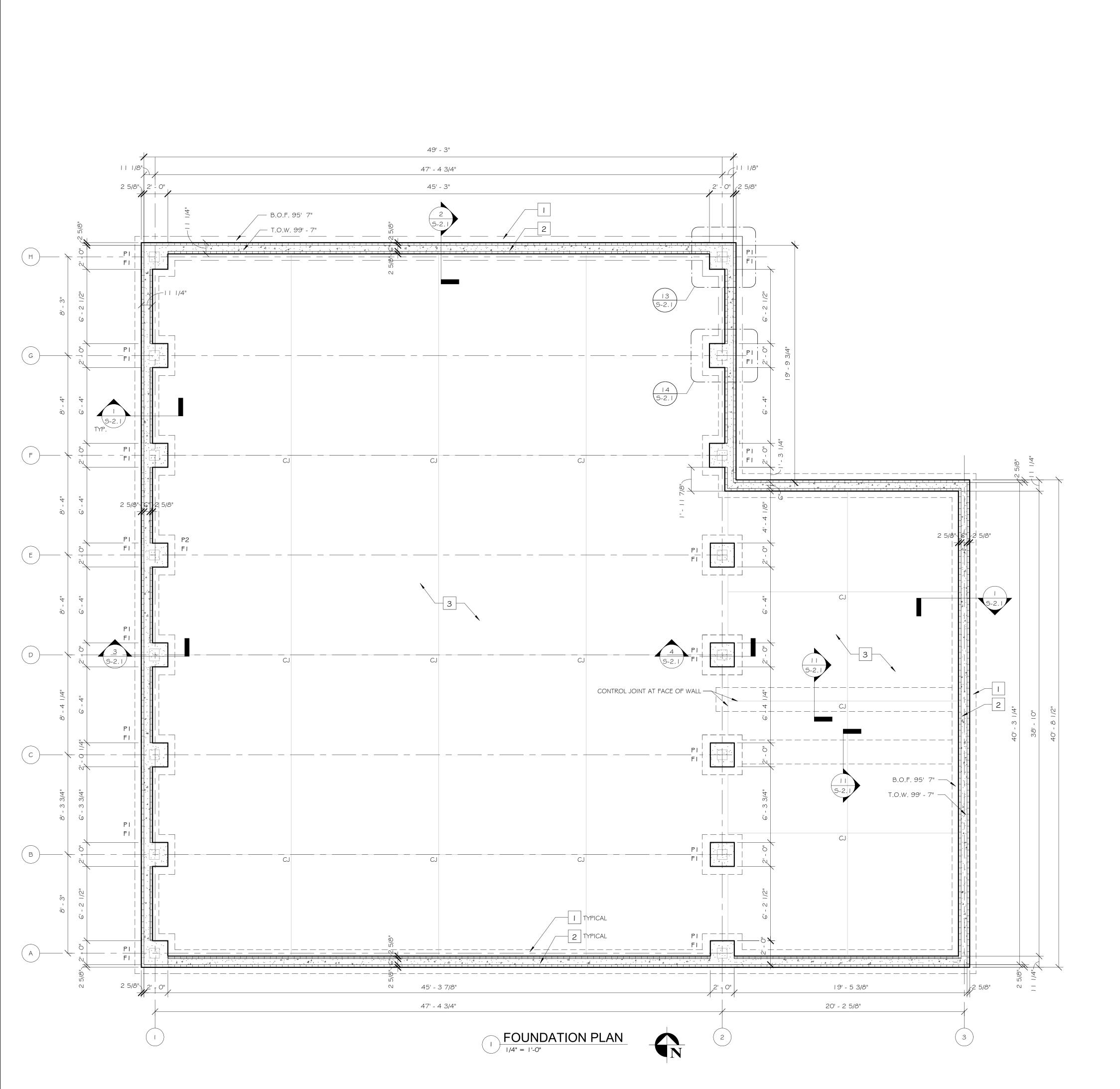
PRESSURE TREAT ABOVE-GROUND ITEMS WITH WATER-BORNE PRESERVATIVES TO COMPLY WITH AMERICAN WOOD PRESERVERS BUREAU (AWPB) LP-2. AFTER TREATMENT, KILN-DRY LUMBER AND PLYWOOD TO A MAXIMUM MOISTURE CONTENT, RESPECTIVELY, OF 10 PERCENT AND 15 PERCENT.

C. TREAT INDICATED ITEMS AND WOOD SILLS, SLEEPERS, BLOCKING, AND SIMILAR CONCEALED MEMBERS IN CONTACT WITH MASONRY OR CONCRETE.

DRAWING SCALE **AS NOTED** ISSUE DATE: 04/15/2024 PROJECT NO.

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23-111 DRAWING NO.



GENERAL FOUNDATION NOTES

- I. BOTTOM OF FOOTING SHALL BE -4'-0" MINIMUM BELOW FINISHED GRADE UNLESS NOTED
- OTHERWISE.BOTTOM OF FOOTING SHALL BE 95'-7" UNLESS NOTED OTHERWISE. TOP OF FOUNDATION WALL SHALL BE 99'-7" UNLESS NOTED OTHERWISE.
- TOP OF PIER ELEVATION SHALL BE 99'-7" UNLESS NOTED OTHERWISE.
- FOUNDATION DIMENSIONS ARE TO FACE OF CONCRETE. ALL WALL FRAMING HEADERS AT WALL OPENINGS SHALL BE (3) 2x8 WOOD FRAMING UNLESS NOTED OTHERWISE.

FOUNDATION KEYNOTES

- 1 24"x | 2" CONCRETE FOOTING WITH (3) #5 REBAR CONTINUOUS AND #5 TIES @ 32" O.C.
- 2 6" ICF CONCRETE FOUNDATION WALL WITH #4 REBAR @ 32" O.C. VERT.\$ #4 REBAR @ 18" O.C. HORZ. (MIN. OF 3 HORIZ. BARS).
- 5" CONCRETE SLAB ON GRADE REINFORCED W/ W.W.F. 6X6 W2.9XW2.9 OVER VAPOR BARRIER OVER 6" COMPACTED GRAVEL, PROVIDE LIGHT STEEL TROWEL FINISH. PROVIDE CONTROL JOINTS WHERE INDICATED.

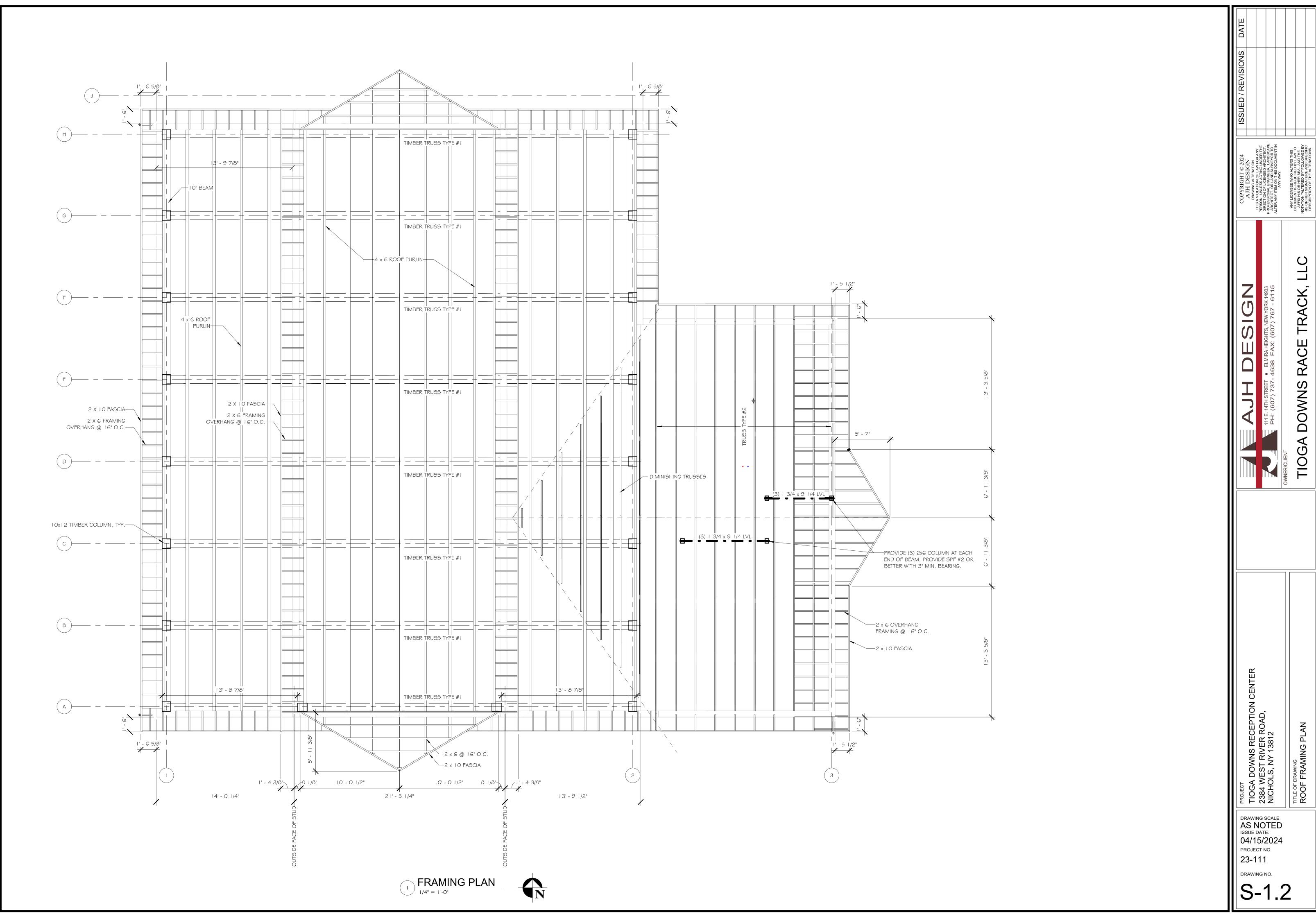
	PIER SCHEDULE									
		DIMEN	SIONS	VERT.						
١	TYPE	WIDTH	LENGTH	REINFORCING	TIES	REMARKS				
	PΙ	2' - 0"	2' - 0"	(12) #5 BARS	#4 BARS @ 2" O.C., 4" O.C. @ TOP - 0"					
	P2	2' - 3"	2' - 3"	(12) #5 BARS	#4 BARS @ 2" O.C., 4" O.C. @ TOP ' - 0"					

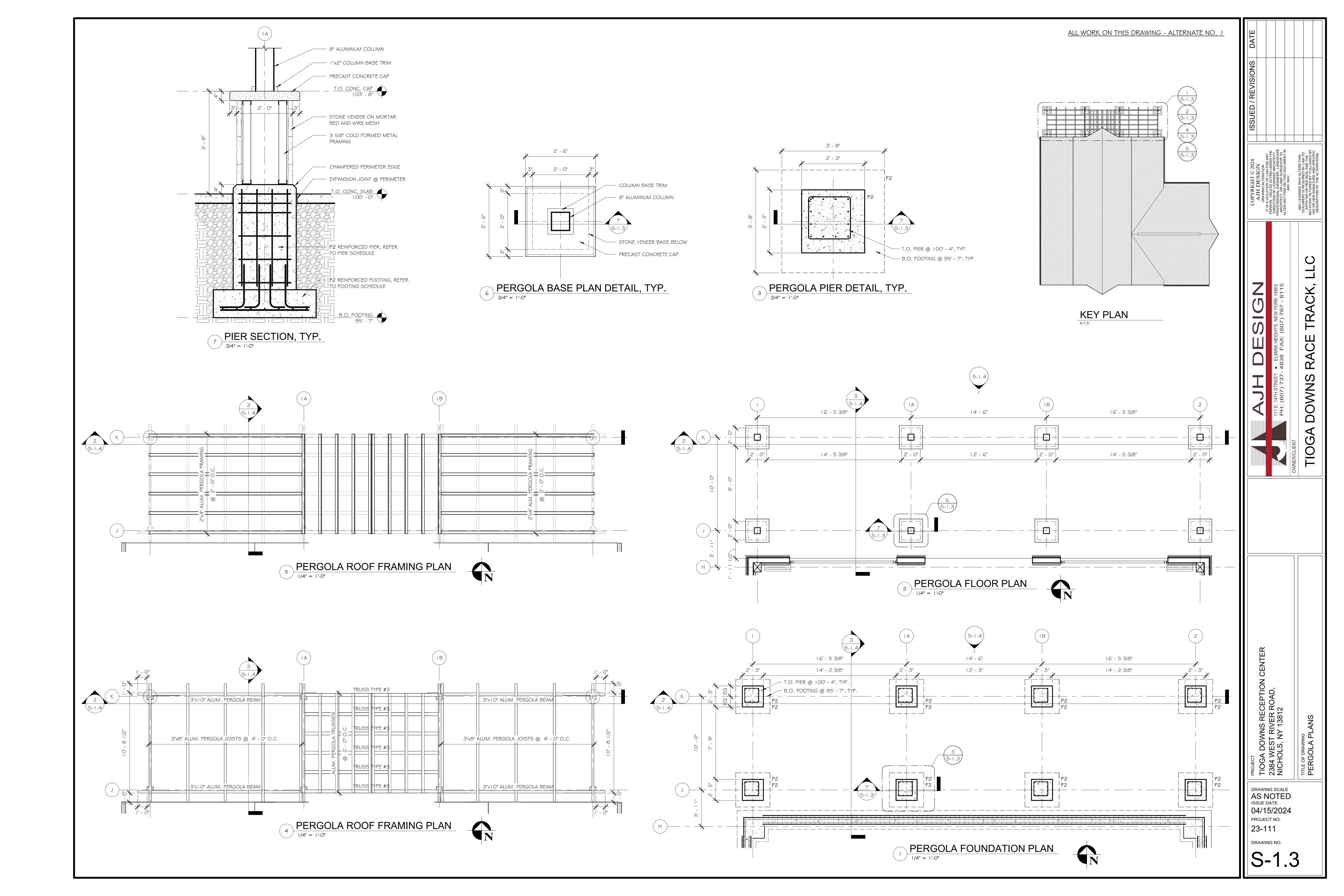
	FOOTING SCHEDULE									
	DIMENSIONS									
TYPE	WIDTH	LENGTH	THICK	REINFORCING	REMARKS					
FI	3'-0" 4'-11" 12"		12"	#5 EACH WAY @ 6" O.C. (5) MIN.						
F2	3' - 8"	3 - 8"	12"	#5 EACH WAY @ G" O.C. (7) MIN						

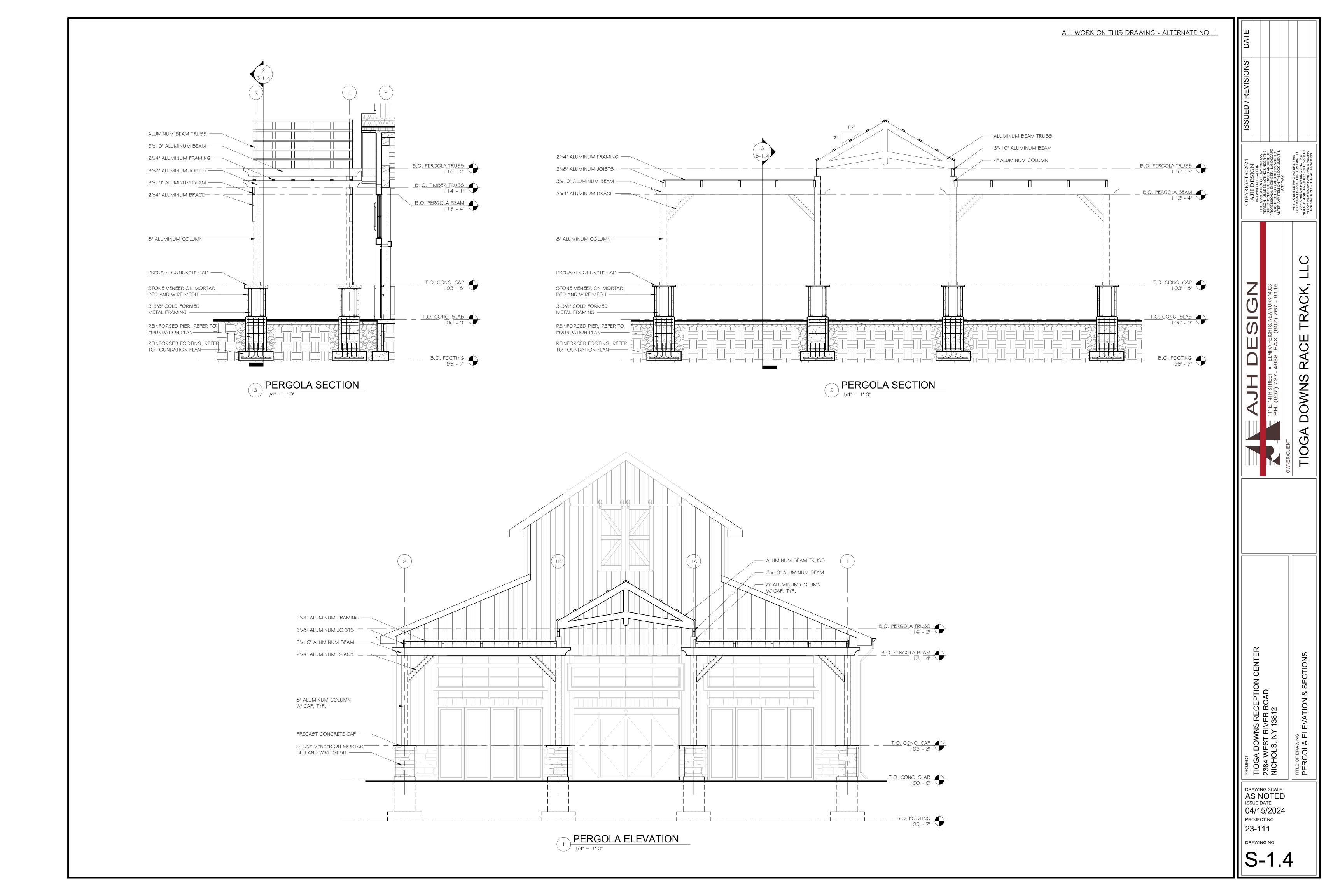
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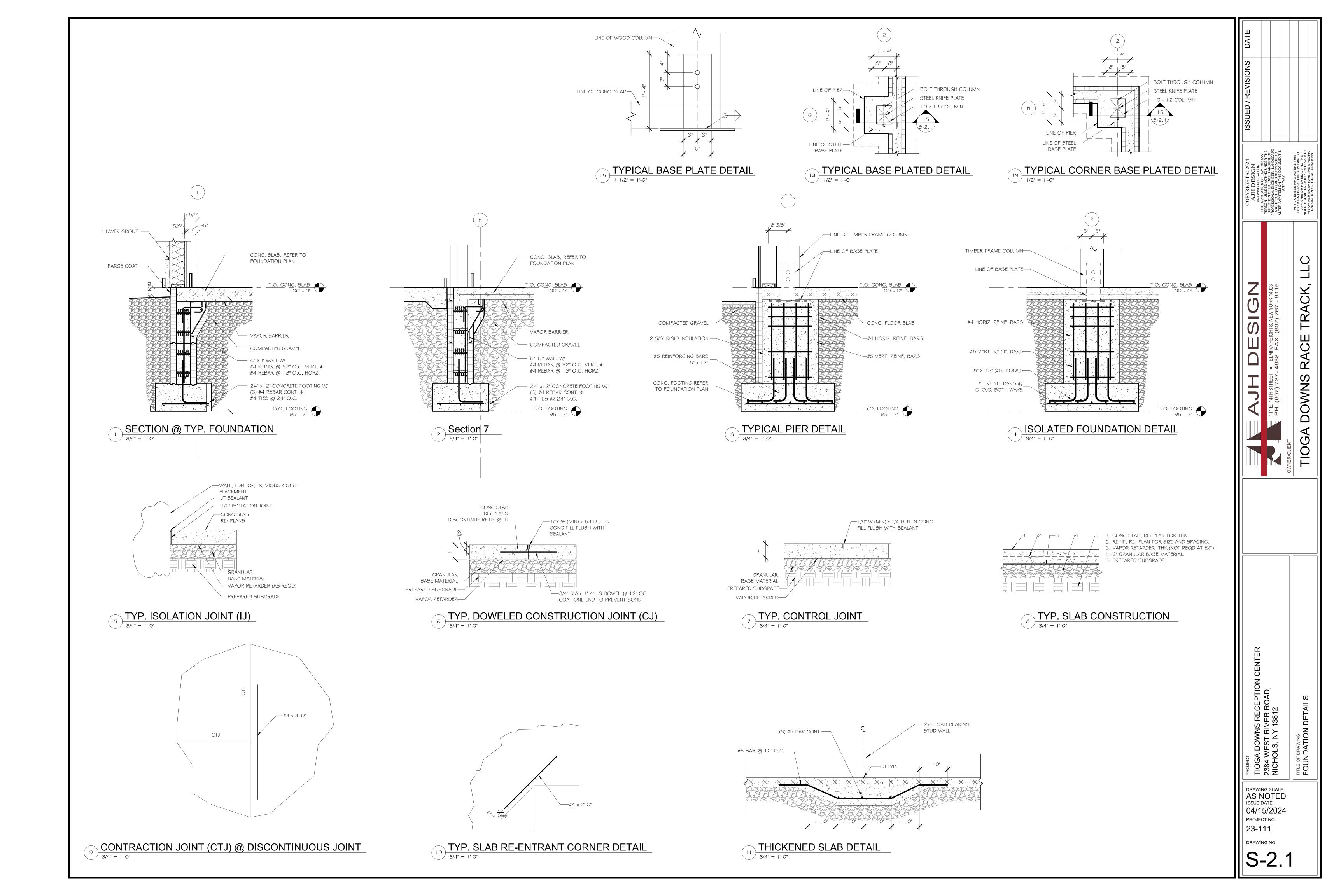
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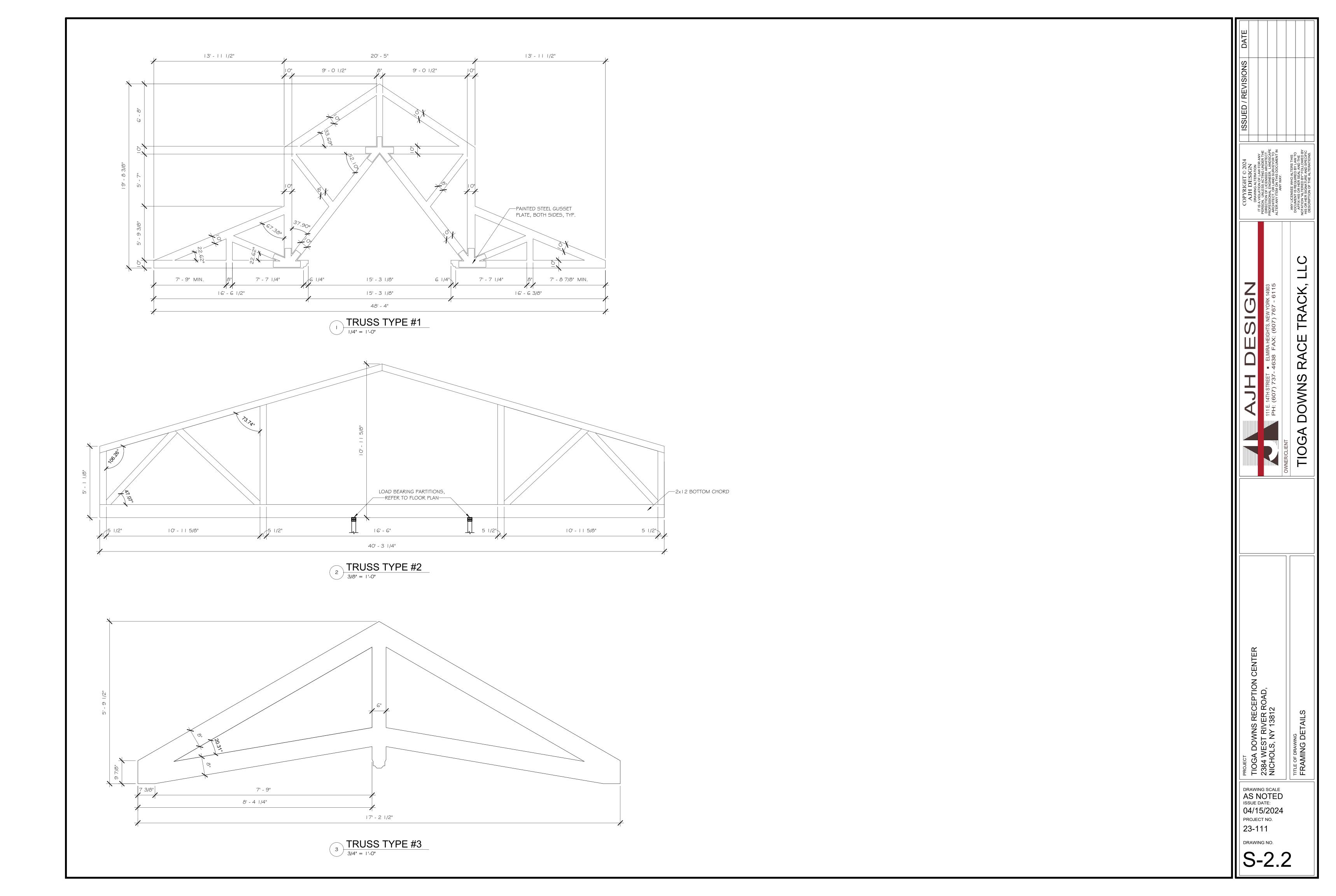
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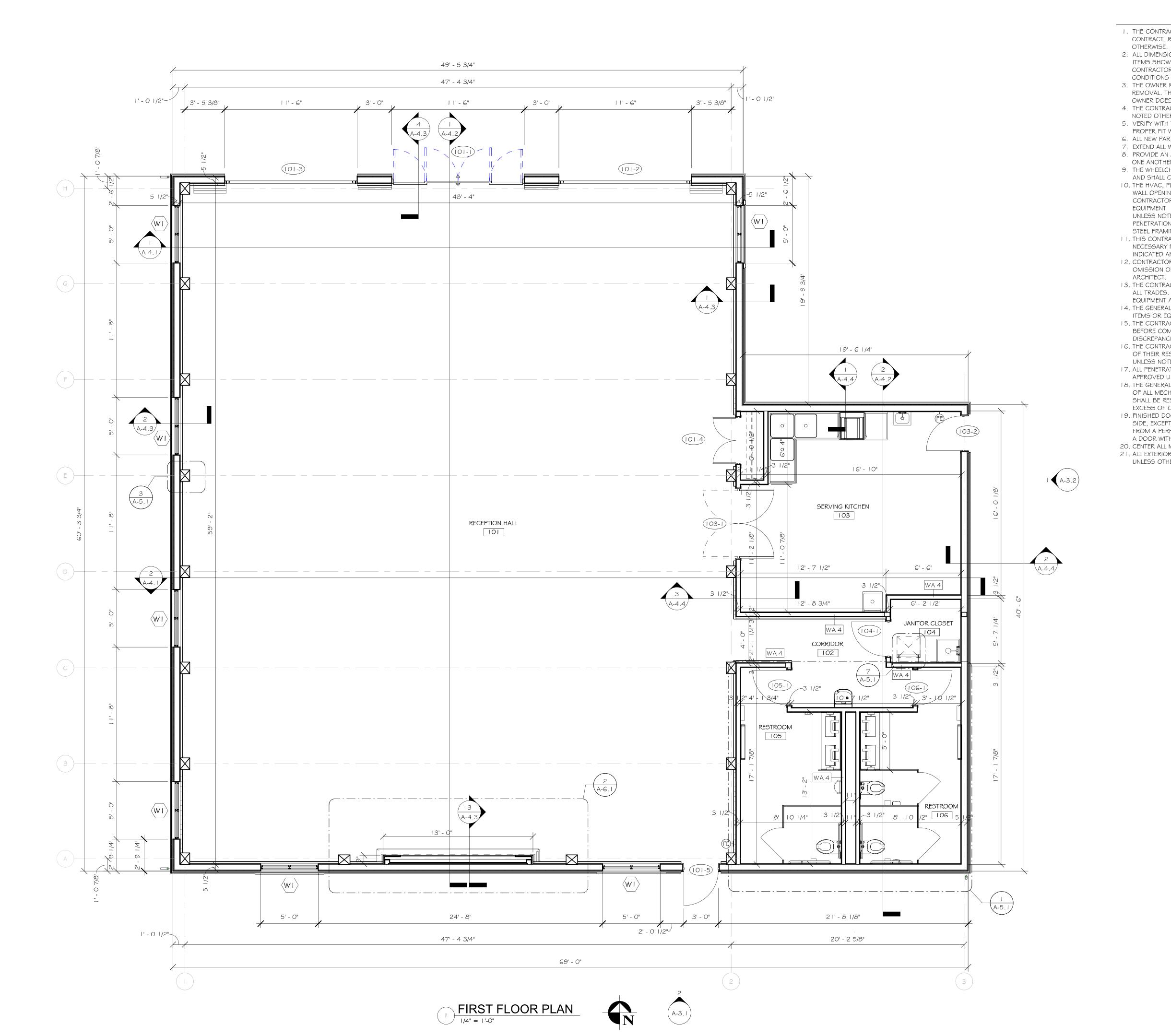












GENERAL NOTES

- I. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK REQUIRED TO IMPLEMENT THE WORK OF THE CONTRACT, REGARDLESS OF WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
- 2. ALL DIMENSIONS ARE FROM THE FACE OF STUD TO FACE OF STUD, UNLESS NOTED OTHERWISE. ITEMS SHOWN ARE INTENDED TO GIVE APPROXIMATE QUANTITY, LOCATION AND TYPE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL QUANTITY AND EXISTING FIELD
- 3. THE OWNER RESERVES THE RIGHT TO RETAIN ANY REMOVED ITEMS AFTER CONTRACTOR REMOVAL. THE CONTRACTOR SHALL REMOVE FROM THE SITE, AND DISPOSE OF ANY ITEMS THE OWNER DOES NOT WISH TO RETAIN.
- 4. THE CONTRACTOR SHALL RESTORE ALL EXCAVATIONS TO EXISTING GRADE ELEVATION UNLESS NOTED OTHERWISE.
- 5. VERIFY WITH THE OWNER THE EXACT SIZE OF ALL EQUIPMENT FURNISHED BY OWNER FOR PROPER FIT WITH CONTRACTOR SUPPLIED COMPONENTS.
- 6. ALL NEW PARTITIONS ARE TO BE WALL TYPE WA4 UNLESS NOTED OTHERWISE.
- 7. EXTEND ALL WALLS TO ROOF DECK, UNLESS NOTED OTHERWISE. 8. PROVIDE AN APPROVED GALVANIC BARRIER BETWEEN ALL DISSIMILAR METALS IN CONTACT WITH
- ONE ANOTHER.
- 9. THE WHEELCHAIR SYMBOL INDICATES HANDICAPPED ACCESSIBLE MOUNTED FIXTURE ELEVATION AND SHALL CONFORM WITH CABO/ANSI A I I 7. I AND ADAAG REQUIREMENTS.
- 10. THE HVAC, PLUMBING AND ELECTRICAL TRADES CONTRACTORS SHALL COORDINATE ROOF AND WALL OPENINGS WITH THE GENERAL TRADES CONTRACTOR. THE GENERAL TRADES CONTRACTOR SHALL PROVIDE ALL ROOF AND WALL OPENINGS FOR DUCTWORK/HVAC
- UNLESS NOTED OTHERWISE. HVAC, P.C. AND E.C. SHALL PROVIDE OPENINGS FOR PIPE PENETRATIONS. THE GENERAL TRADES CONTRACTOR SHALL INSTALL, BLOCKING, SUPPLEMENTAL
- STEEL FRAMING, AND ALL FLASHING. REFER TO H, P, AND E DRAWINGS FOR LOCATIONS. II. THIS CONTRACT REQUIRES COMPLETE AND WORKABLE SYSTEMS AND ALL COMPONENTS NECESSARY FOR SUCH SYSTEMS. ALL MATERIALS AND LABOR SHALL BE PROVIDED AS INDICATED AND REASONABLY INFERRED BY THE CONTRACT DOCUMENTS.
- 12. CONTRACTORS SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. IN THE EVENT OF OMISSION OF NECESSARY DIMENSIONS OR INFORMATION THE CONTRACTOR SHALL NOTIFY THE ARCHITECT.
- 13. THE CONTRACTOR SHALL COORDINATE THE WORK OF THIS CONTRACT WITH THE WORK OF ALL TRADES. VERIFY SIZE AND LOCATION OF ALL OPENINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT AND RELATED WORK WITH CONTRACTORS INVOLVED PRIOR TO INSTALLATION. 14. THE GENERAL TRADES CONTRACTOR SHALL PROVIDE ALL BLOCKING FOR THE SUPPORT OF ALL
- ITEMS OR EQUIPMENT SHOWN OR SPECIFIED. 15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD BEFORE COMMENCING ANY WORK AND NOTIFY THE ARCHITECT IMMEDIATELY IF ANY
- DISCREPANCIES ARE FOUND. I G. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO IMPLEMENT THE WORK OF THEIR RESPECTIVE CONTRACT, REGARDLESS OF WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
- 17. ALL PENETRATIONS AND PERIMETER OF FIRE RATED PARTITIONS ARE TO BE SEALED WITH APPROVED U.L. FIRE RATED ASSEMBLIES.
- 18. THE GENERAL TRADES CONTRACTOR SHALL BE RESPONSIBLE FOR SEALANT AT THE PERIMETER OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL PENETRATIONS. EACH RESPECTIVE TRADE SHALL BE RESPONSIBLE FOR PROPER WATER SEALS AT PENETRATIONS REQUIRING SEALS IN EXCESS OF CAULKING.
- 19. FINISHED DOOR OPENINGS SHALL BE NOMINAL 4" FROM FINISHED CORNER OF ROOM AT HINGE SIDE, EXCEPT WHERE DIMENSIONED OTHERWISE. DOOR STRIKES SHALL BE 1'-6" MINIMUM FROM A PERPENDICULAR WALL ON THE PULL' SIDE OF A DOOR AND 1'-0" ON THE PUSH SIDE OF A DOOR WITH BOTH A CLOSER AND LATCH.
- 20. CENTER ALL MECHANICAL PENETRATIONS AND ELECTRICAL DEVICES WITHIN CEILING TILE. 21. ALL EXTERIOR CONCRETE SLABS SHALL SLOPE AWAY FROM BUILDING AT 1/8 INCH PER FOOT UNLESS OTHERWISE NOTED.

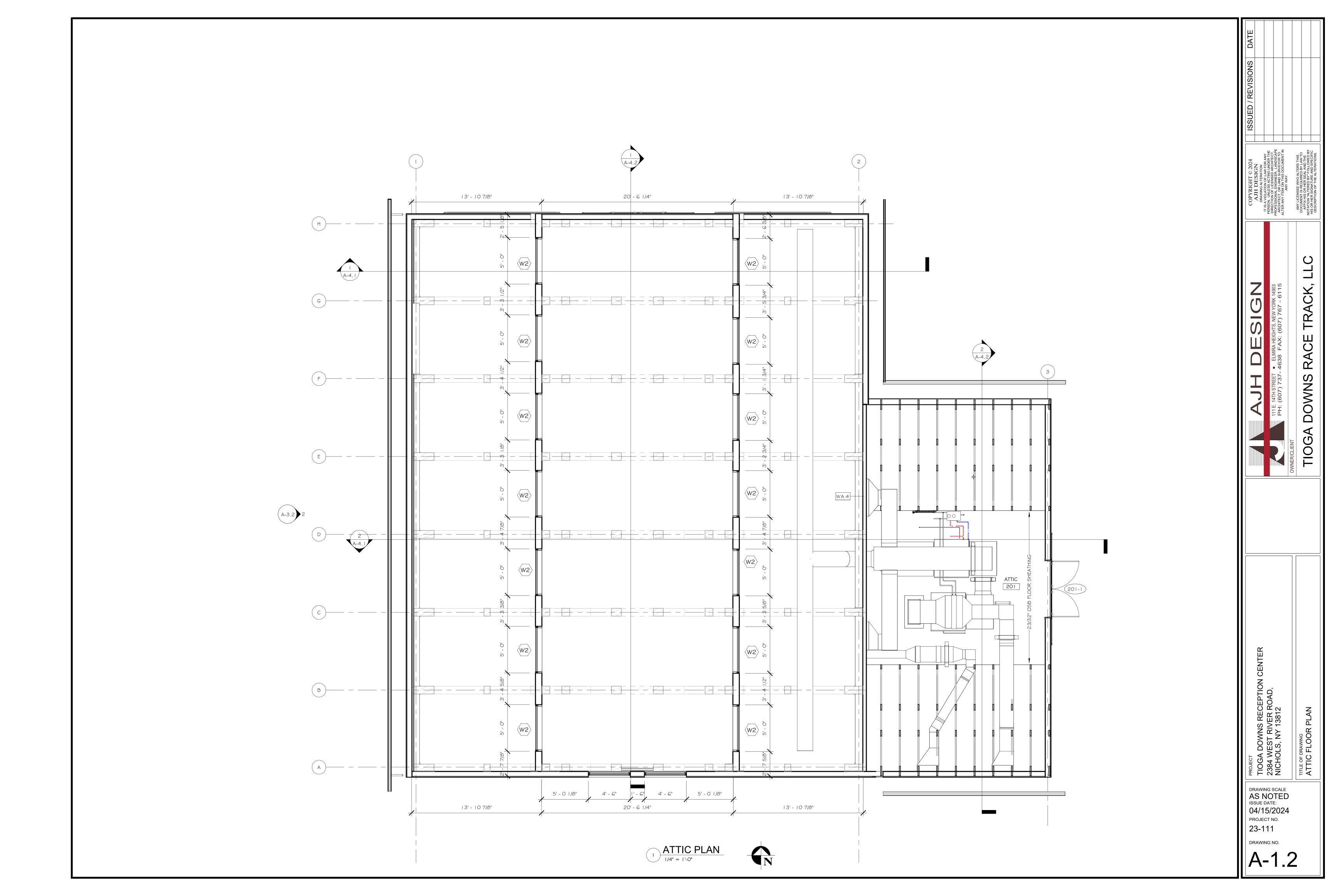
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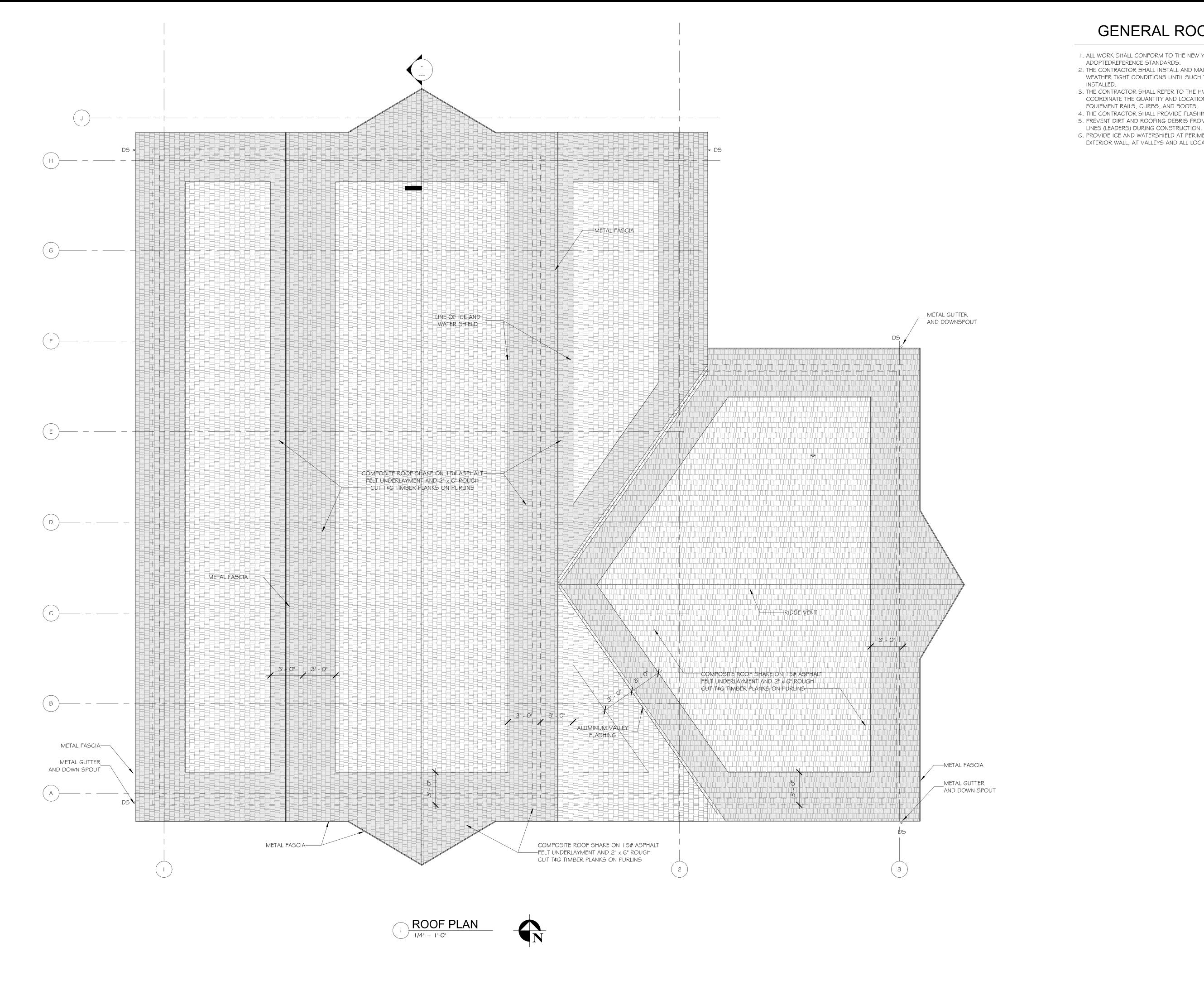
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DRAWING SCALE
AS NOTED
ISSUE DATE: 04/15/2024 PROJECT NO. 23-111

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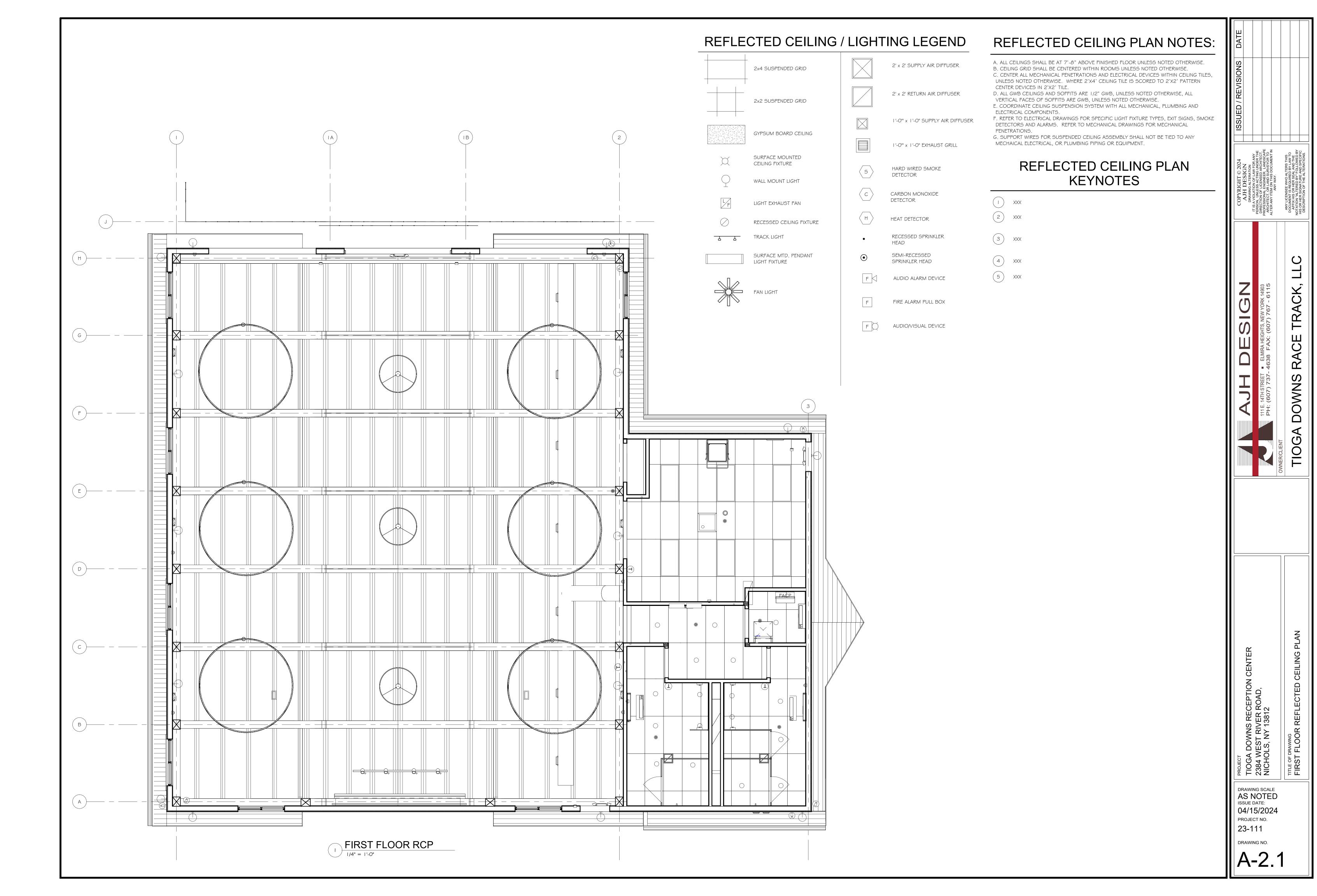


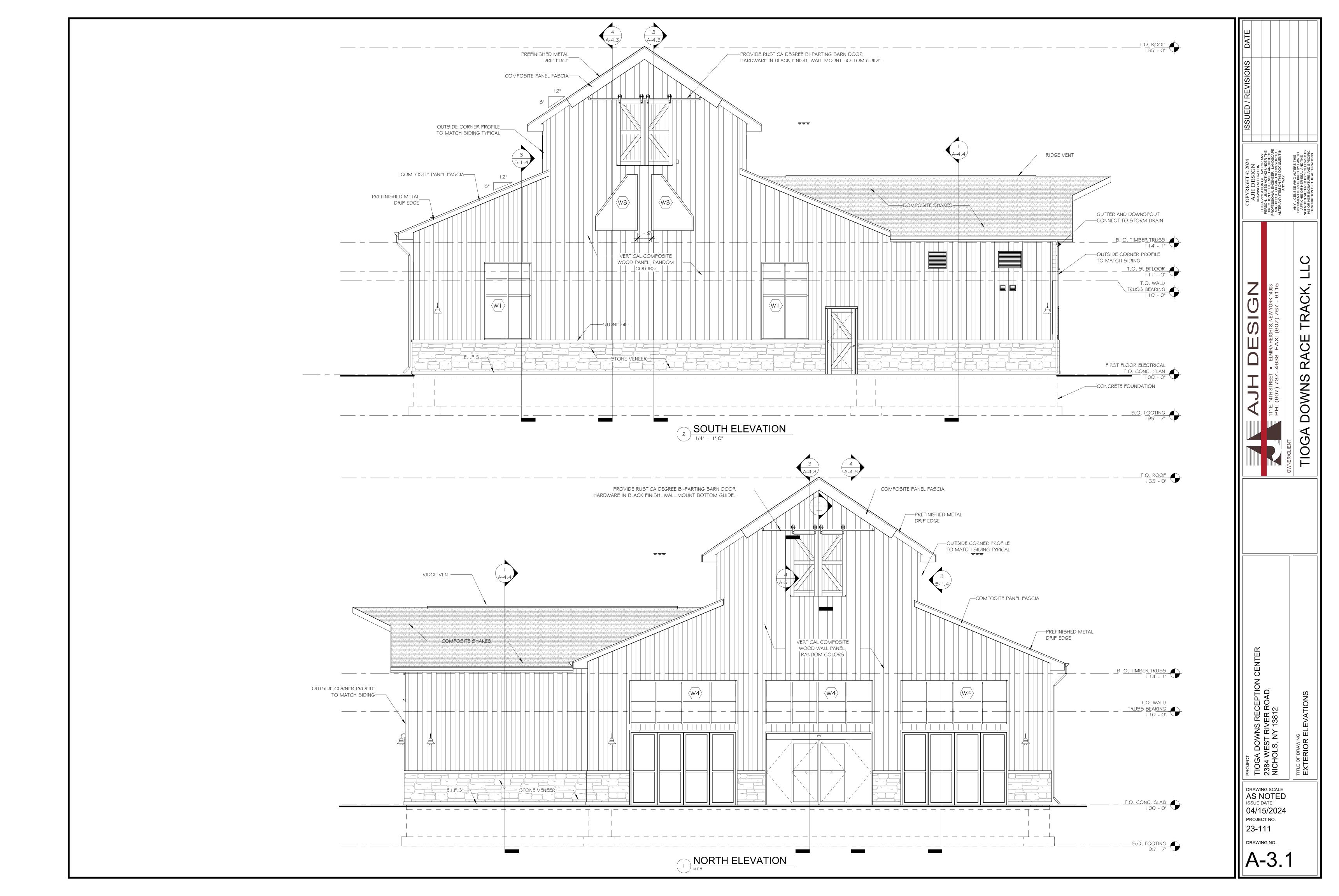
GENERAL ROOFING NOTES

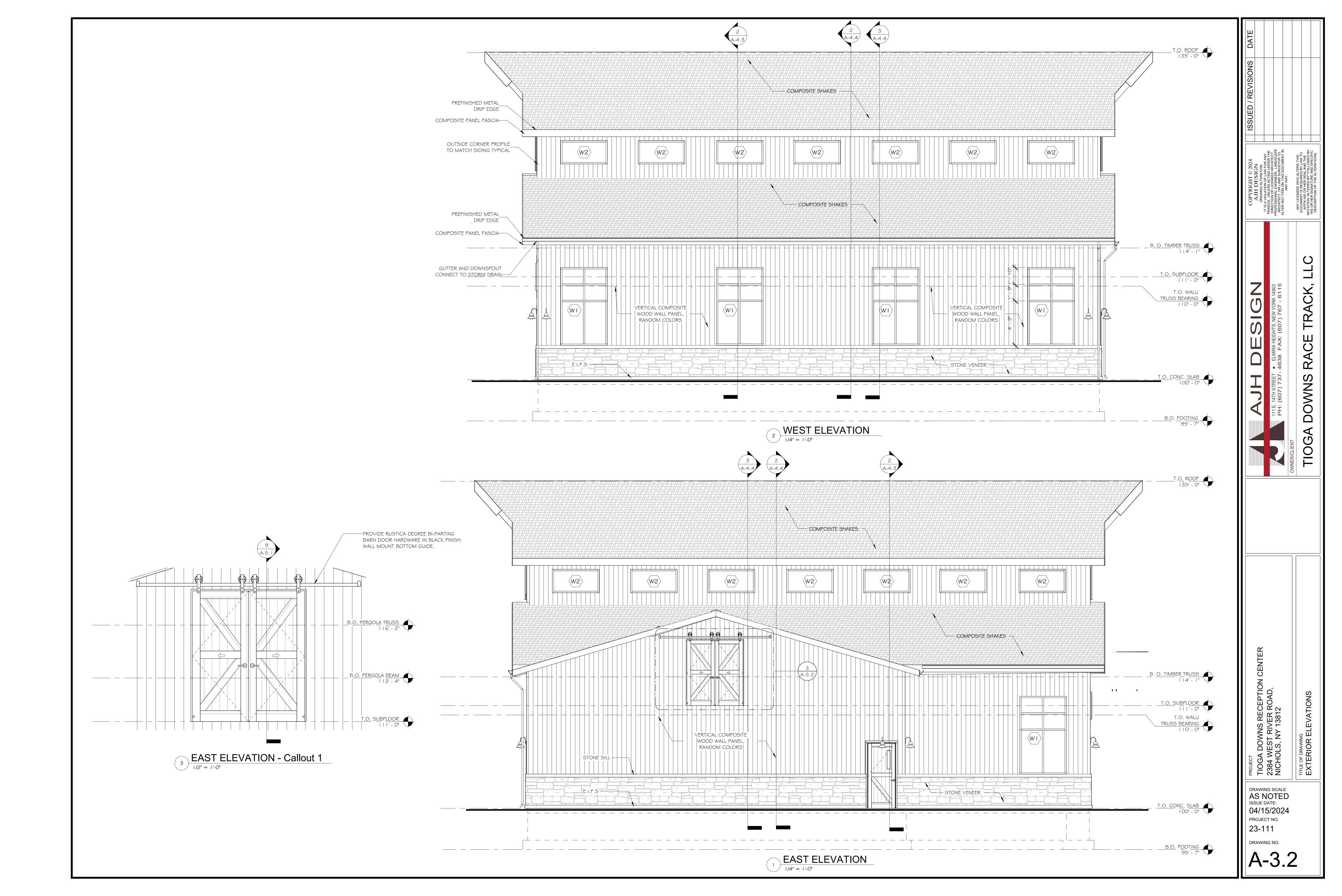
- I . ALL WORK SHALL CONFORM TO THE NEW YORK STATE BUILDING CODE AND
- 2. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY ROOFING TO ENSURE WEATHER TIGHT CONDITIONS UNTIL SUCH TIME THE PERMANENT ROOFING SYSTEM IS
- 3. THE CONTRACTOR SHALL REFER TO THE HVAC AND PLUMBING DRAWINGS AND COORDINATE THE QUANTITY AND LOCATIONS OF PENETRATIONS THROUGH ROOF FOR
- 4. THE CONTRACTOR SHALL PROVIDE FLASHING AT ALL PENETRATIONS.
- 5. PREVENT DIRT AND ROOFING DEBRIS FROM ENTERING THE ROOF DRAINS AND DRAIN
- 6. PROVIDE ICE AND WATERSHIELD AT PERIMETER OF ROOF TO 3'-0" FROM FACE OF

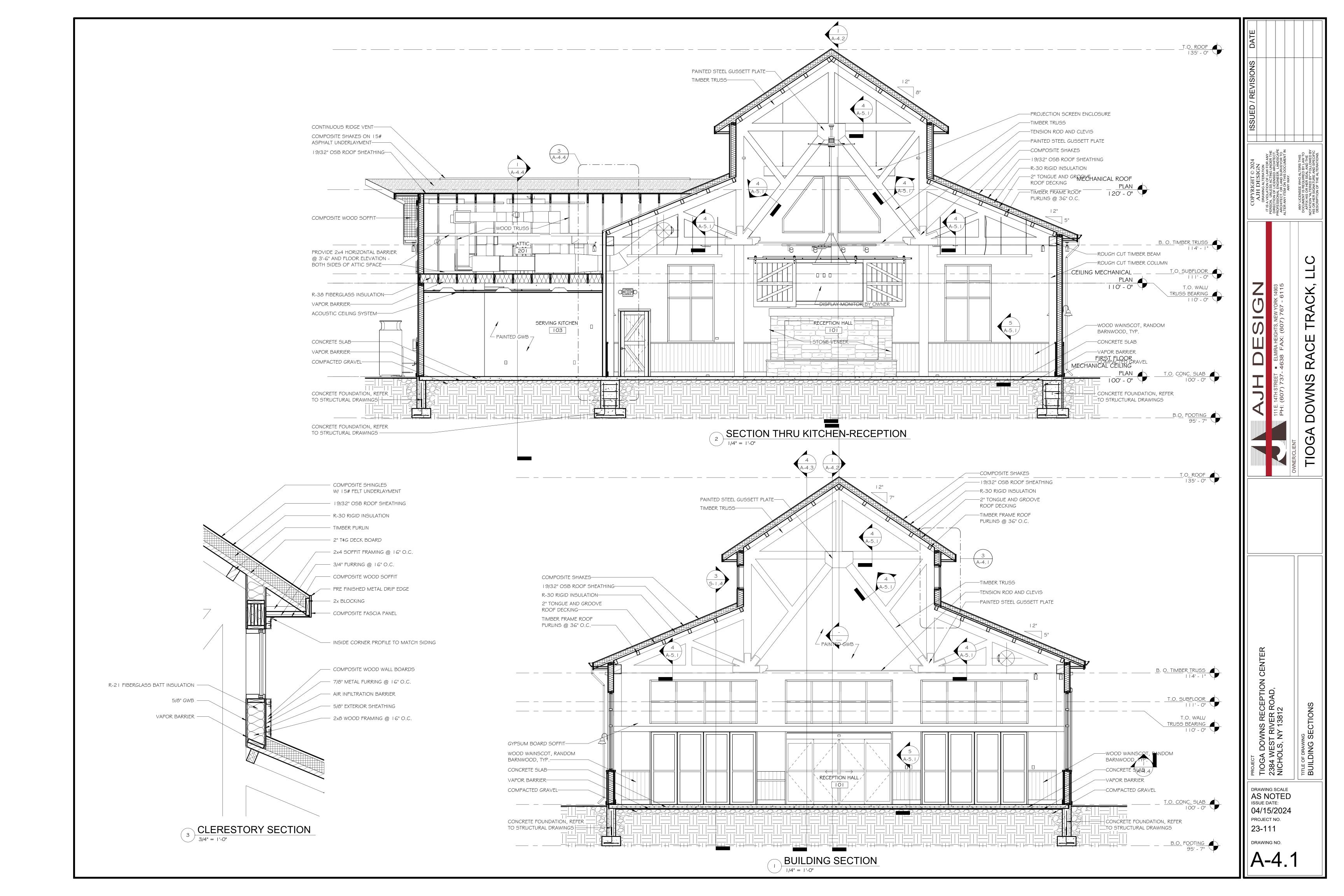
EXTERIOR WALL, AT VALLEYS AND ALL LOCATIONS INDICATED.

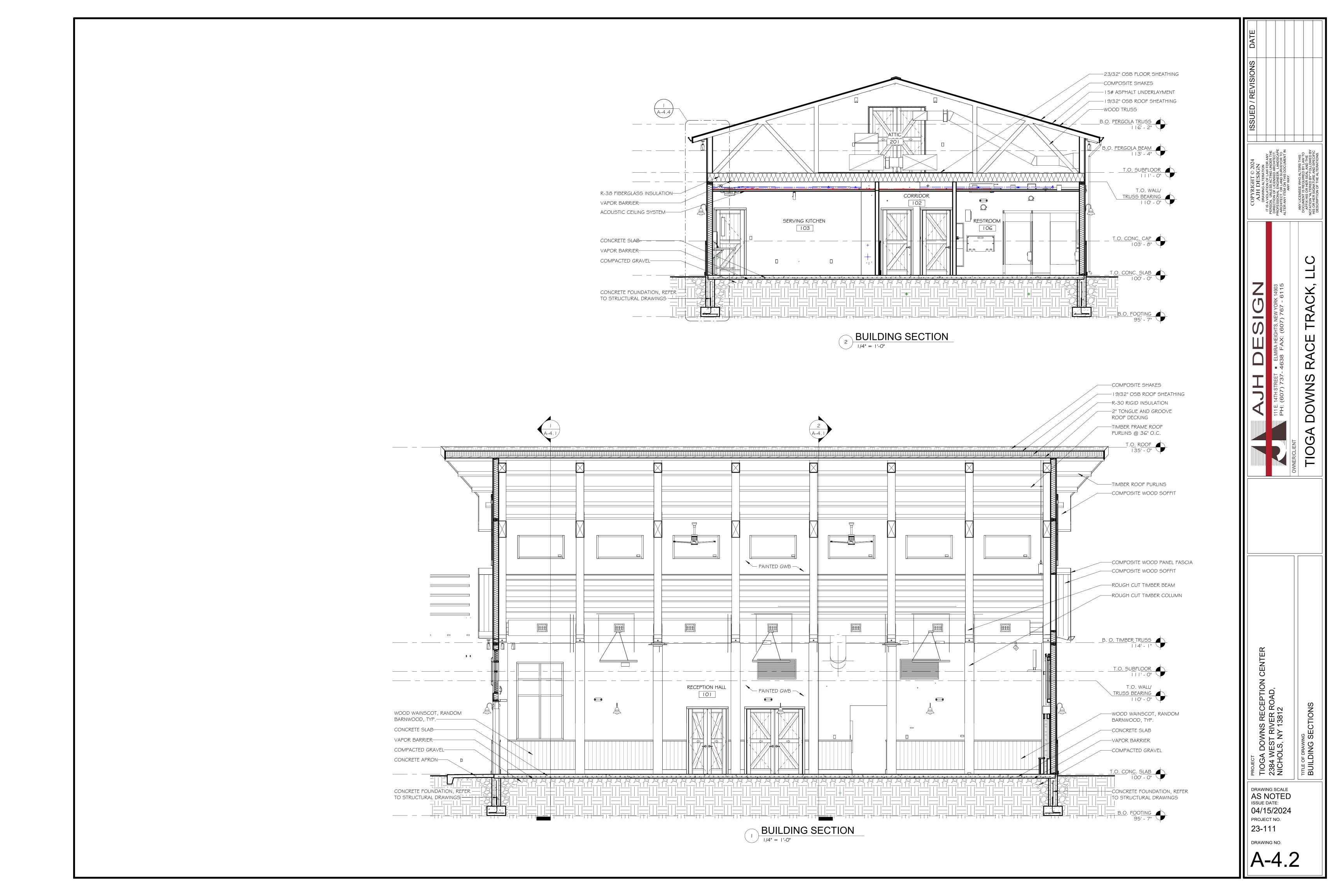
DRAWING SCALE AS NOTED ISSUE DATE: 04/15/2024 PROJECT NO. 23-111

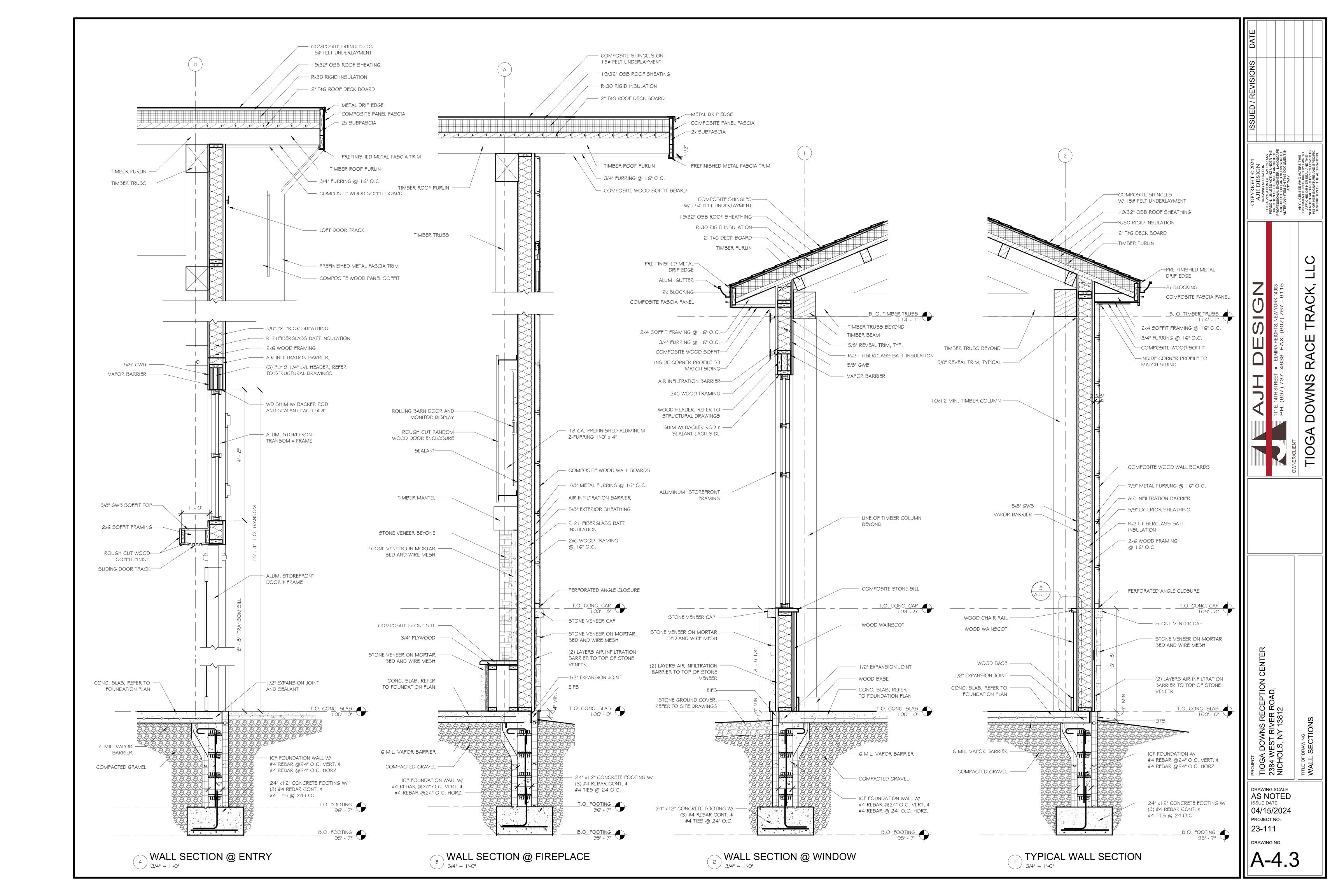


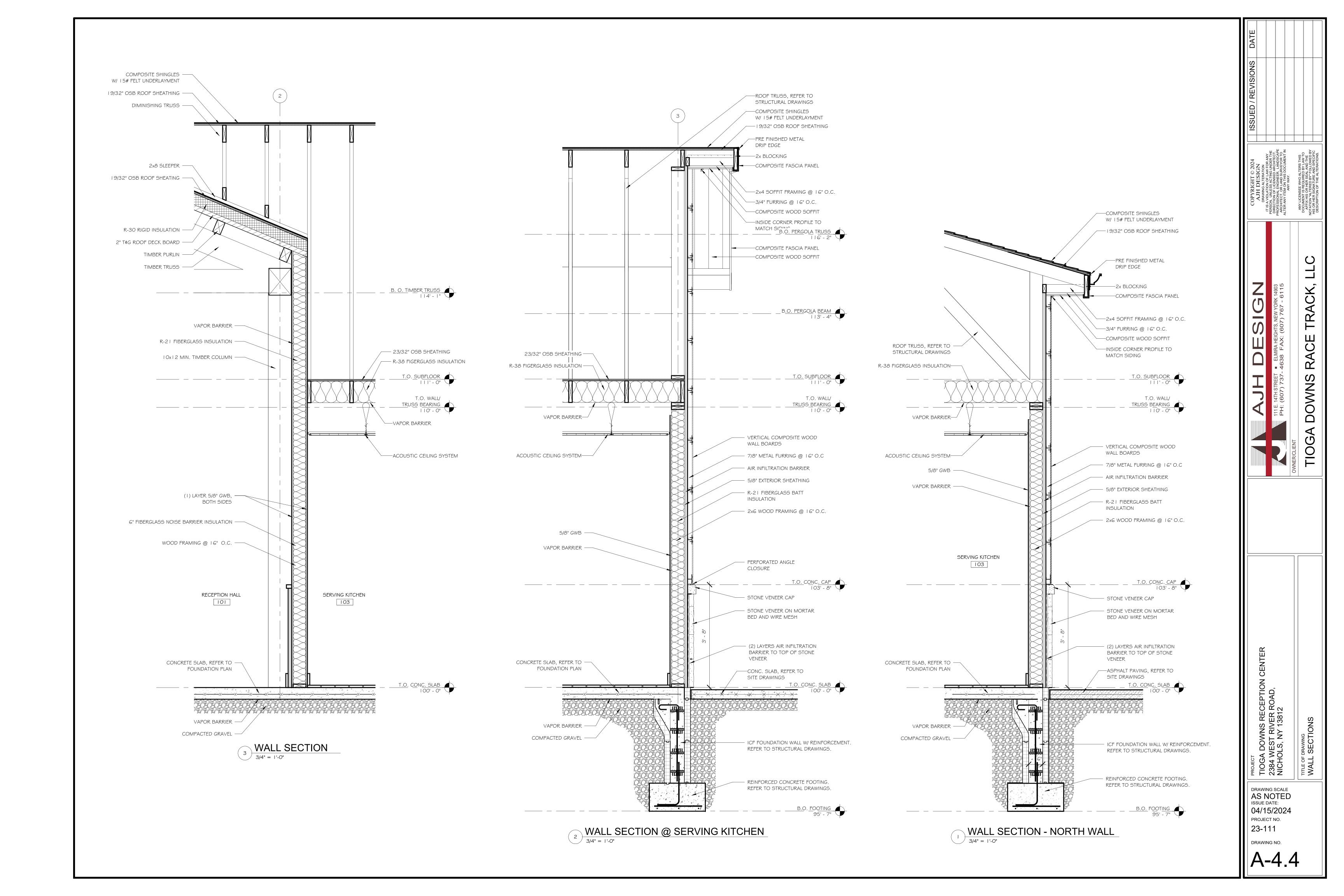












TOILET ROOM ACCESSORY NOTES

I. PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.

2x6 FRAMING @ 16" O.C.

5/8" GWB----

20 GA. 2"x2"

VAPOR BARRIER-

CONTINUOUS ANGLE, SECURE TO EACH STUD OR TOP/BOTTOM PLATE-

TIMBER TRUSS-

5/8" REVEAL TRIM TYPICAL—

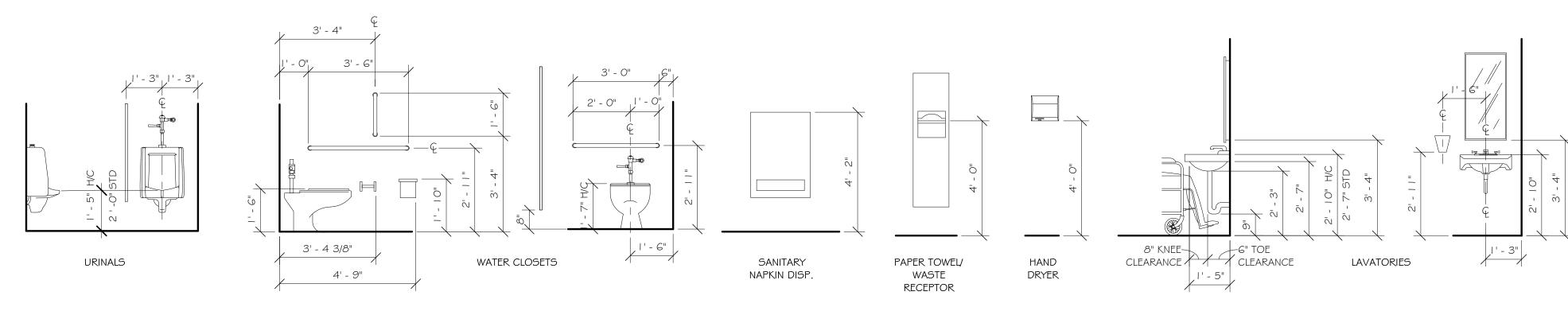
5/8" EXTERIOR SHEATHING-

WALL ANCHOR DETAIL

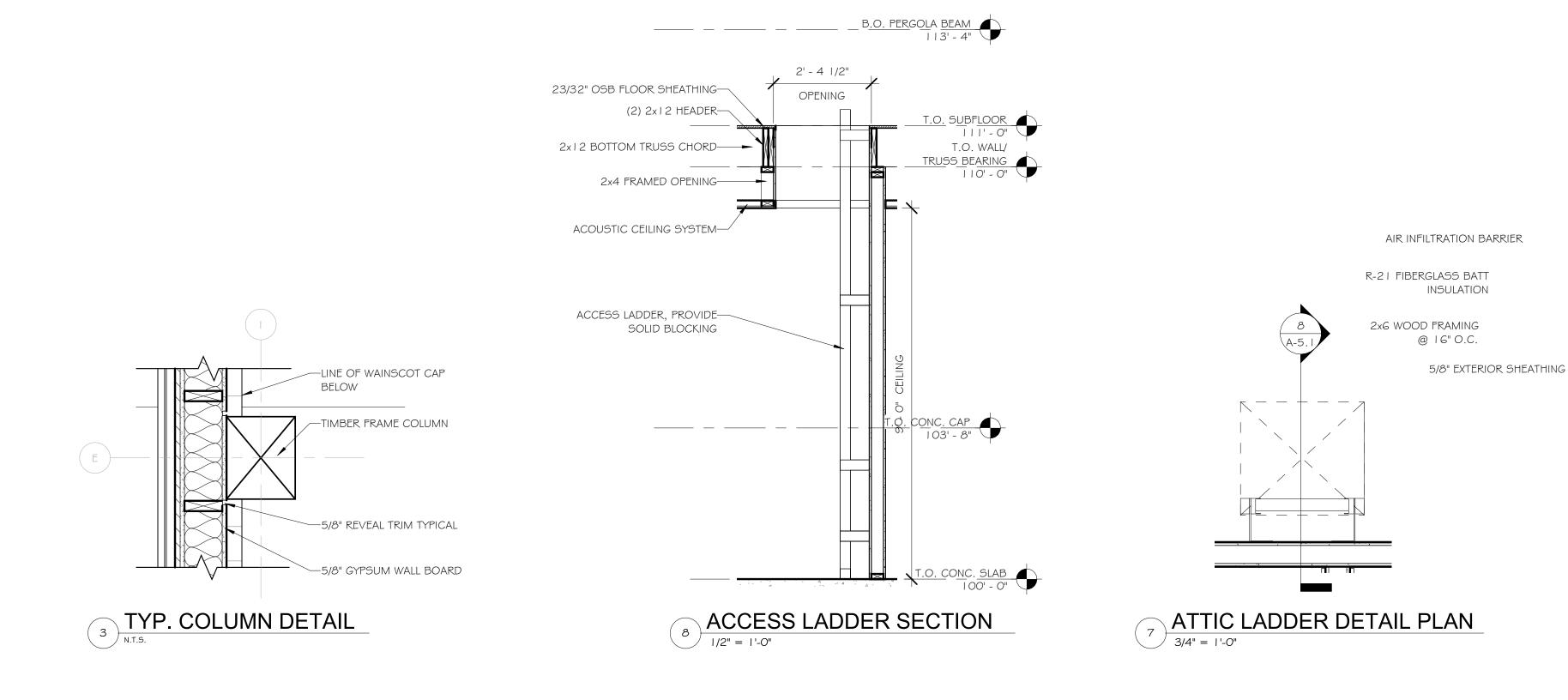
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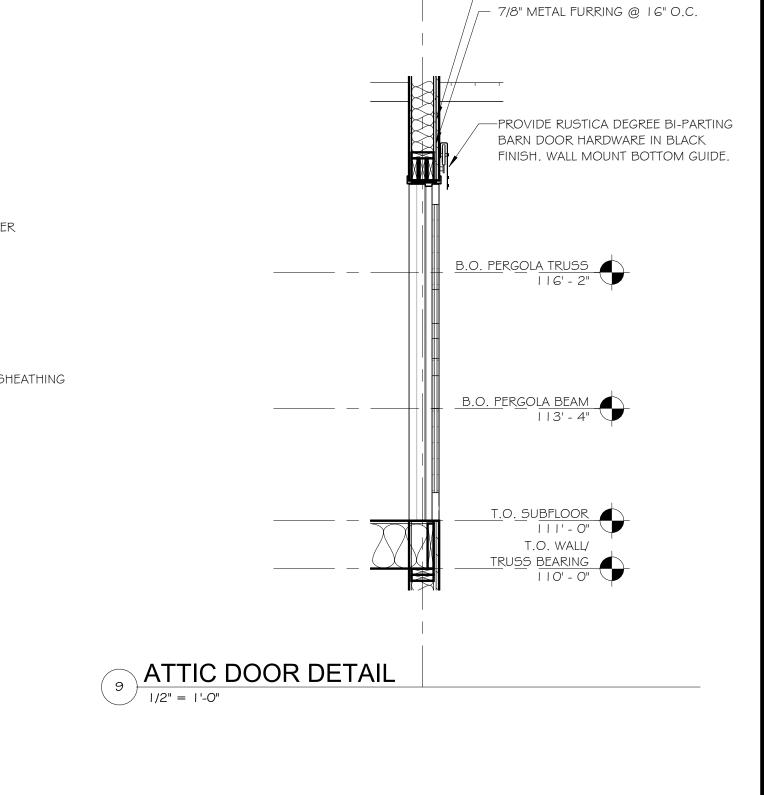
- 2. TOILET ROOM ACCESSORIES SHALL BE MOUNTED AT HEIGHTS THAT
- COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND BE ACCESSIBLE TO AND USABLE BY A PERSON WITH DISABILITIES. 3. PROVIDE AND INSTALL BLOCKING IN WALLS FOR PROPER MOUNTING
- OF ACCESSORIES.

	RESTROOM ACCESSORY SCHEDULE										
TYPE	DESCRIPTION	MANUFACTURER	MODEL	REMARKS							
ΑI	GRAB BAR 36"	BRADLEY	B-6806 X 36"	SURFACE MOUNTED							
A2	GRAB BAR 42"	BRADLEY	B-6806 X 42"	SURFACE MOUNTED							
A3	GRAB BAR 18"	BRADLEY	B-6806 X 18"	SURFACE MOUNTED							
В	TOILET PAPER DISPENSER			SURFACE MOUNTED, NOTE I							
С	MIRROR	BRADLEY	4'-8" x 5'-10"	FRAMELESS							
D	BABY CHANGING STATION	KOALA KARE	KB300-SS								
E	SANITARY NAPKIN DISPOSAL	BRADLEY	4781-15	SURFACE MOUNTED							
F	PAPER TOWEL DISPENSER			SURFACE MOUNTED, NOTE I							
G	SOAP DISPENSER			NOTE I							

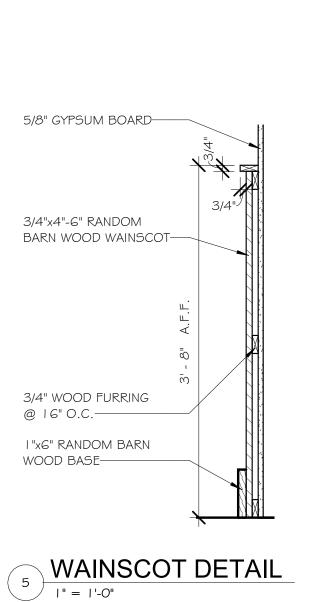


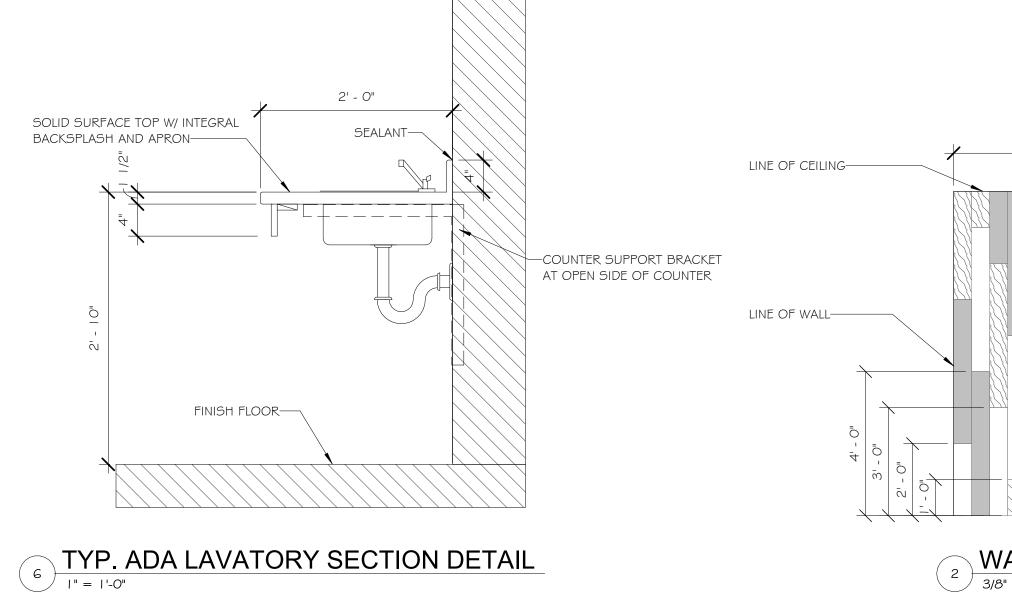
TOILET ACCESSORY MOUNTING HEIGHTS

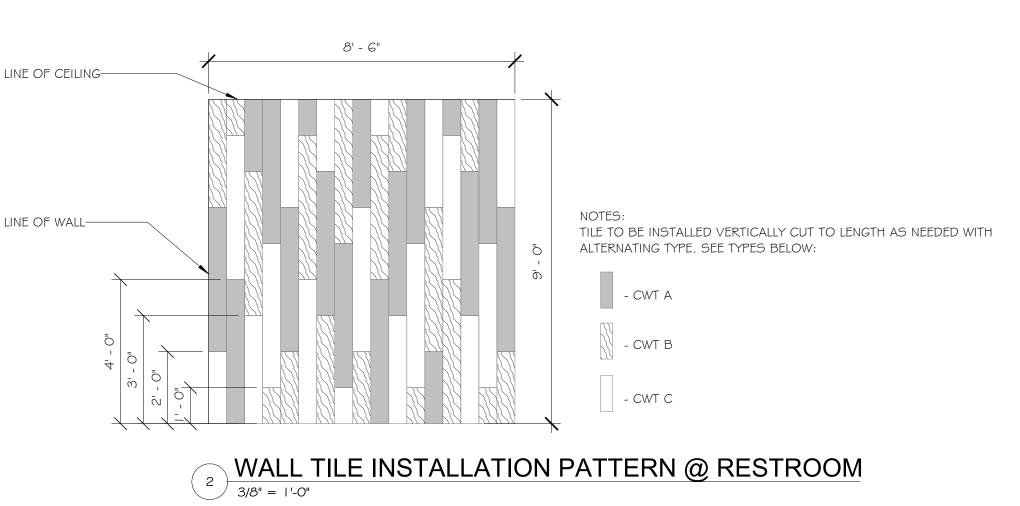


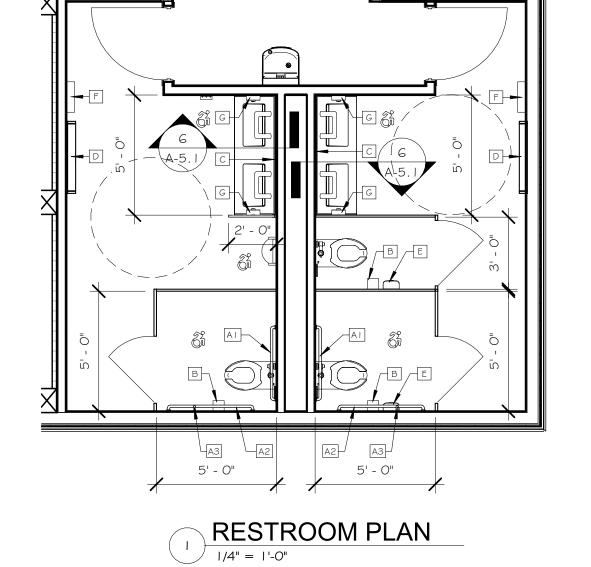


COMPOSITE WOOD WALL BOARDS







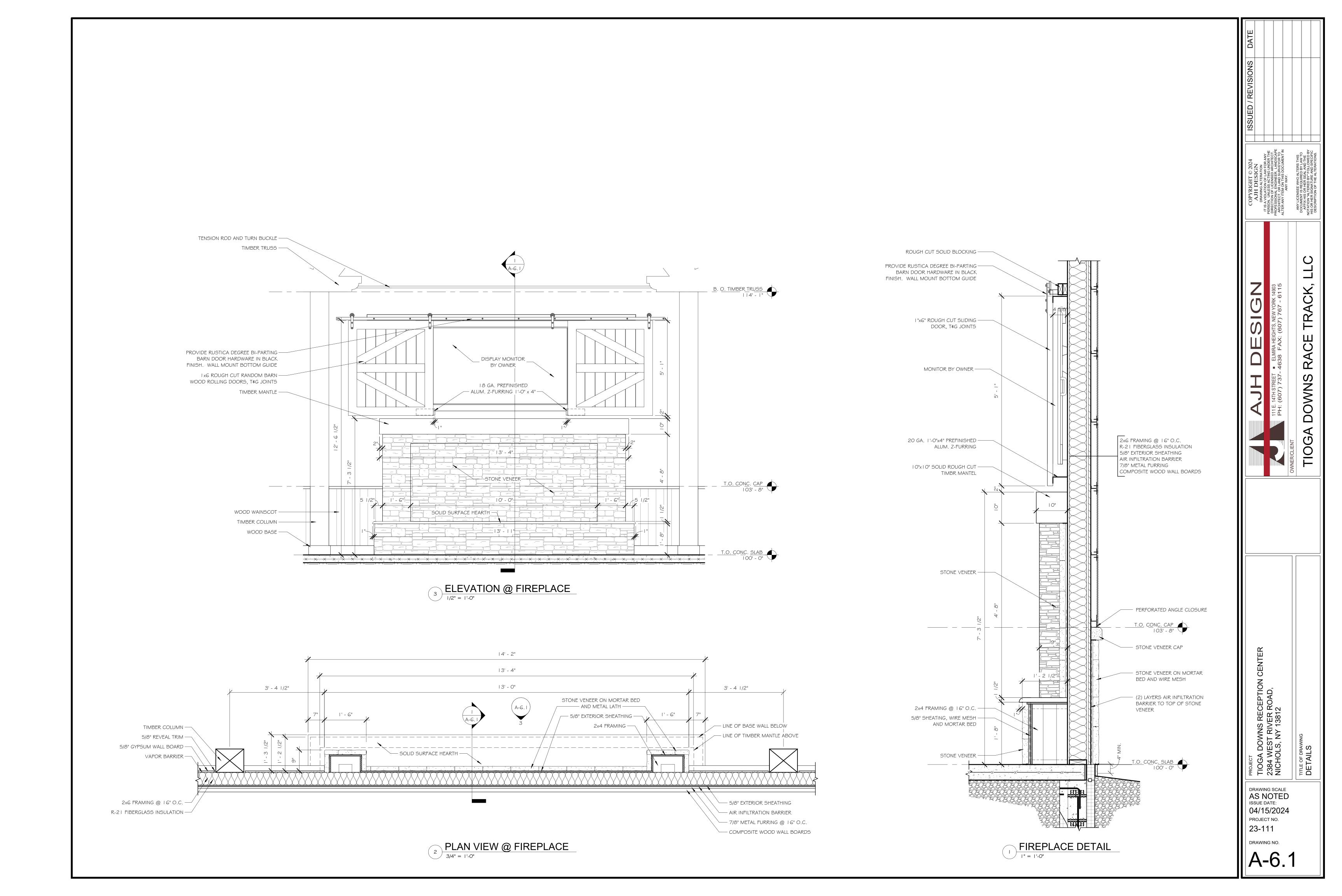


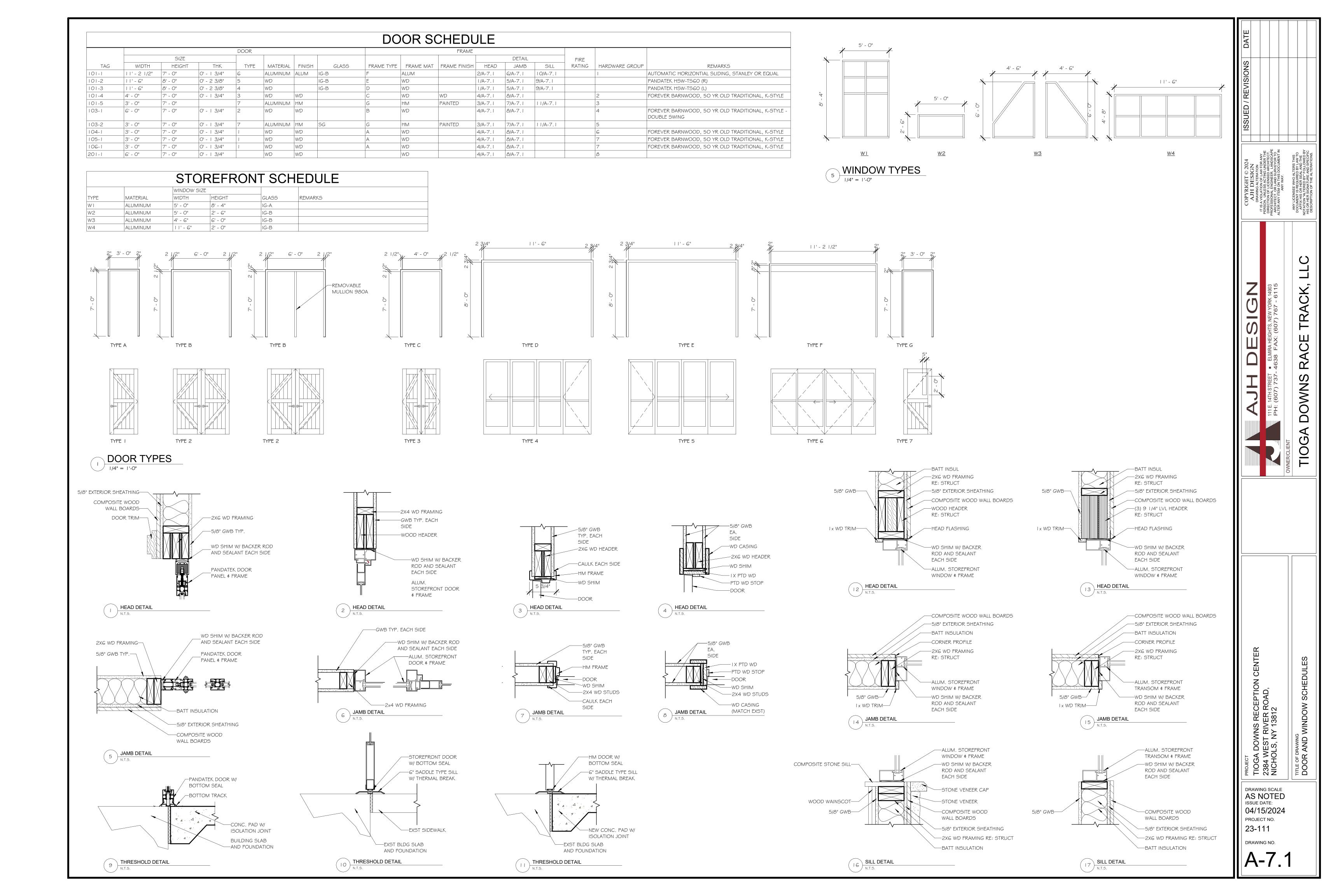
04/15/2024 PROJECT NO. 23-111 DRAWING NO. A-5.1

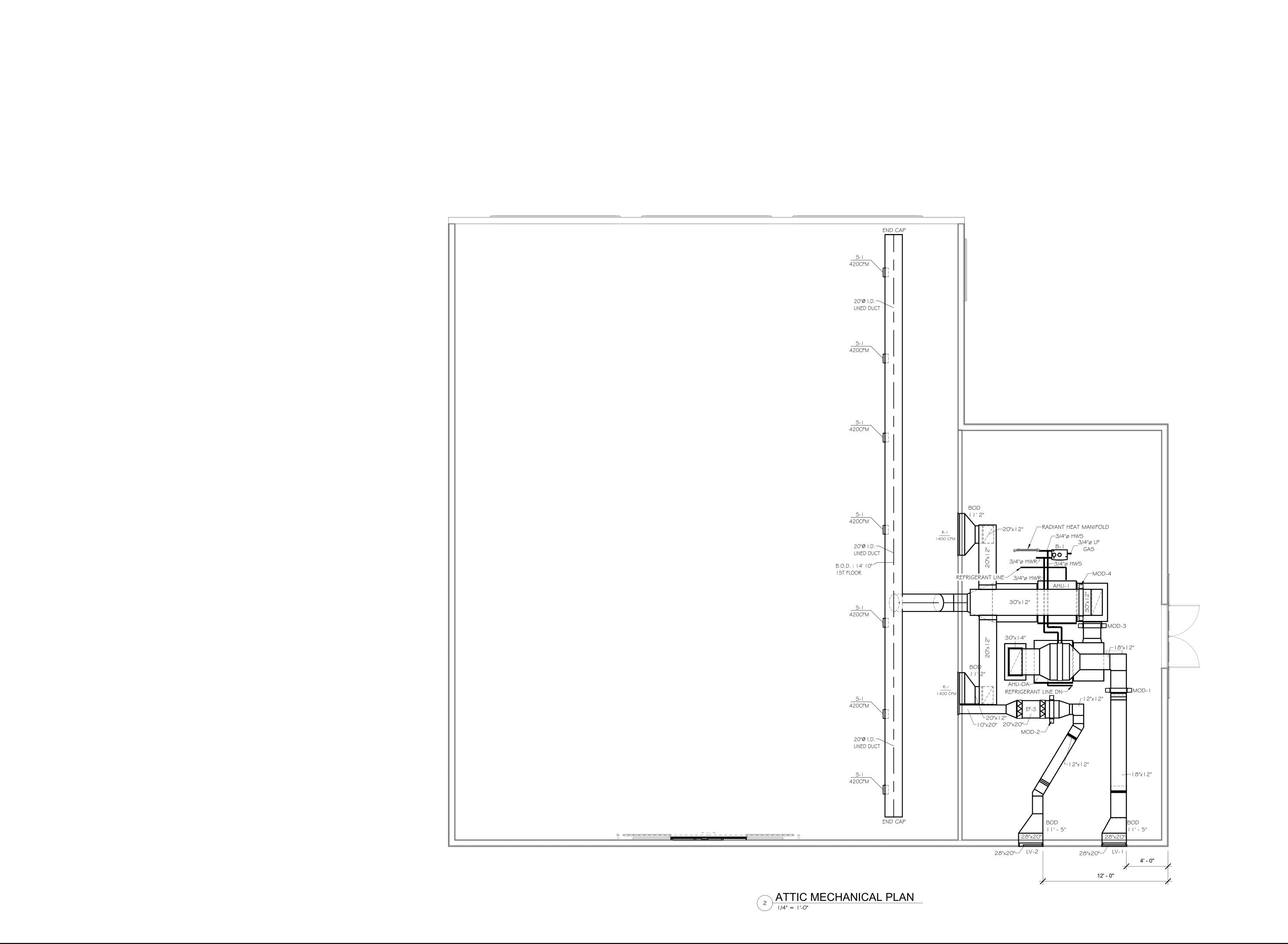
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ISSUE DATE:

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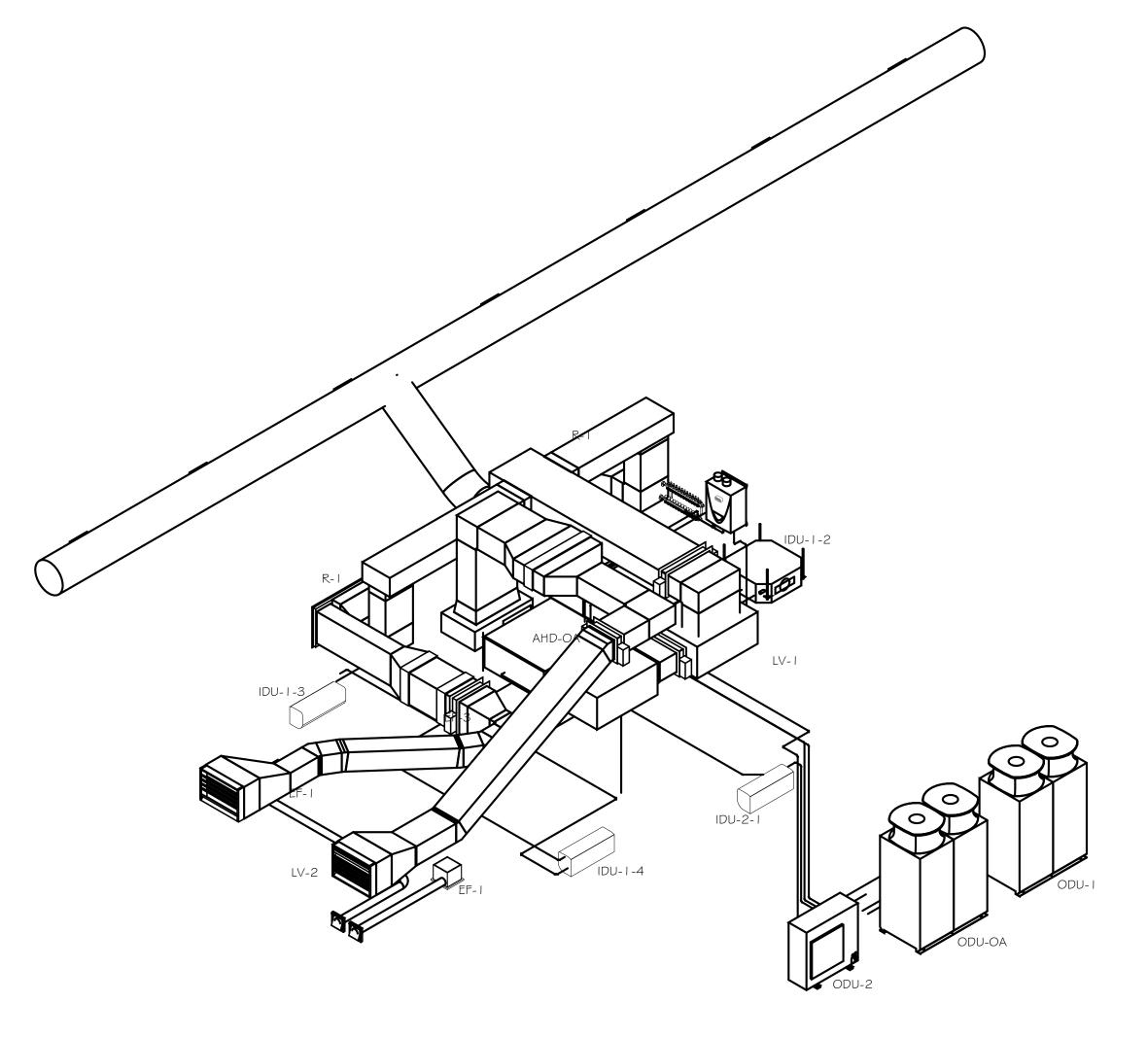


TIOGA DOWNS RACE TRACK, LLC

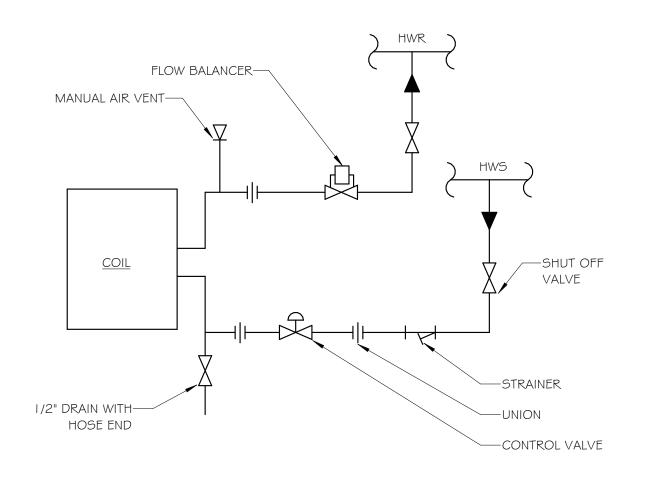
DRAWING SCALE
AS NOTED
ISSUE DATE:
04/15/2024 PROJECT NO. 23-111

DRAWING NO.

M-1.2



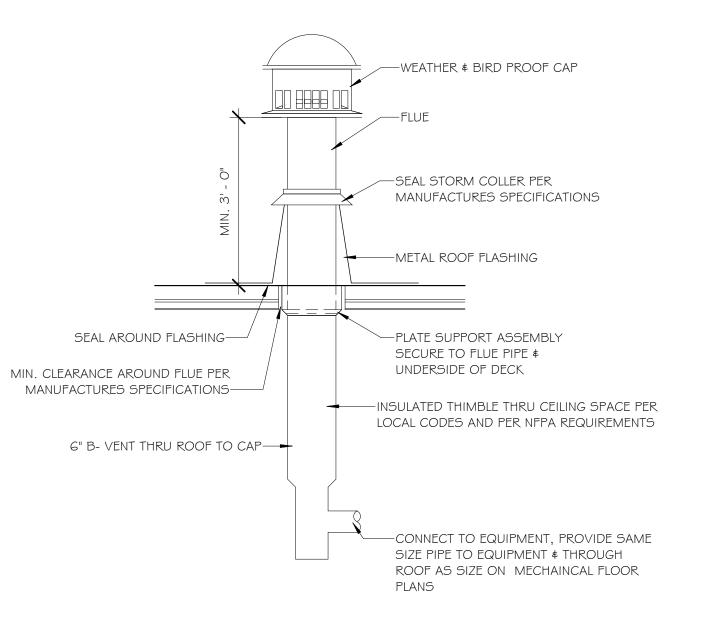
HVAC ISOMETRIC VIEW 5 N.T.S.



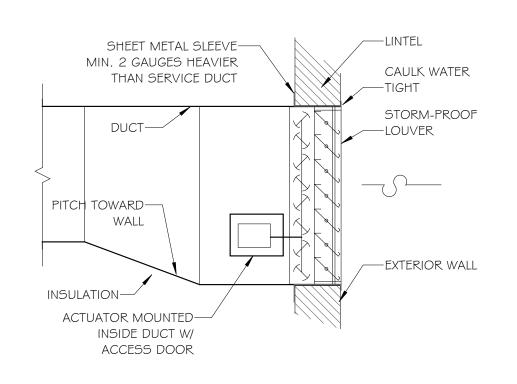
NOTES:

- I. PROVIDE ACCESS DOOR IN DUCT UPSTREAM OF COIL.
- 2. THE RUNOUTS OFF OF THE BOTTOM OF THE MAINS WHERE MAINS ARE ABOVE THE REHEAT COIL.

REHEAT COIL PIPING DETAIL N.T.S.

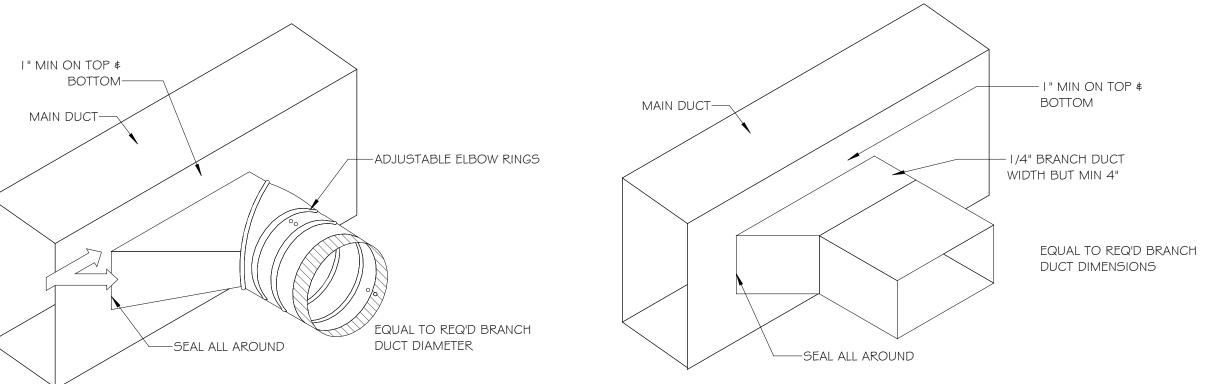


FLUE ROOF PENETRATION DETAIL A N.T.S.

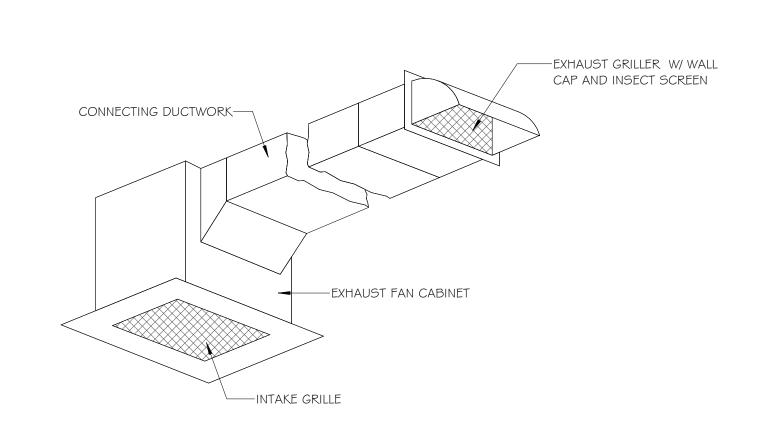


LOUVER W/ DAMPER

3 LOUVER DETAILS N.T.S.



TYPICAL BRANCH TAKE-OFF FITTINGS N.T.S.



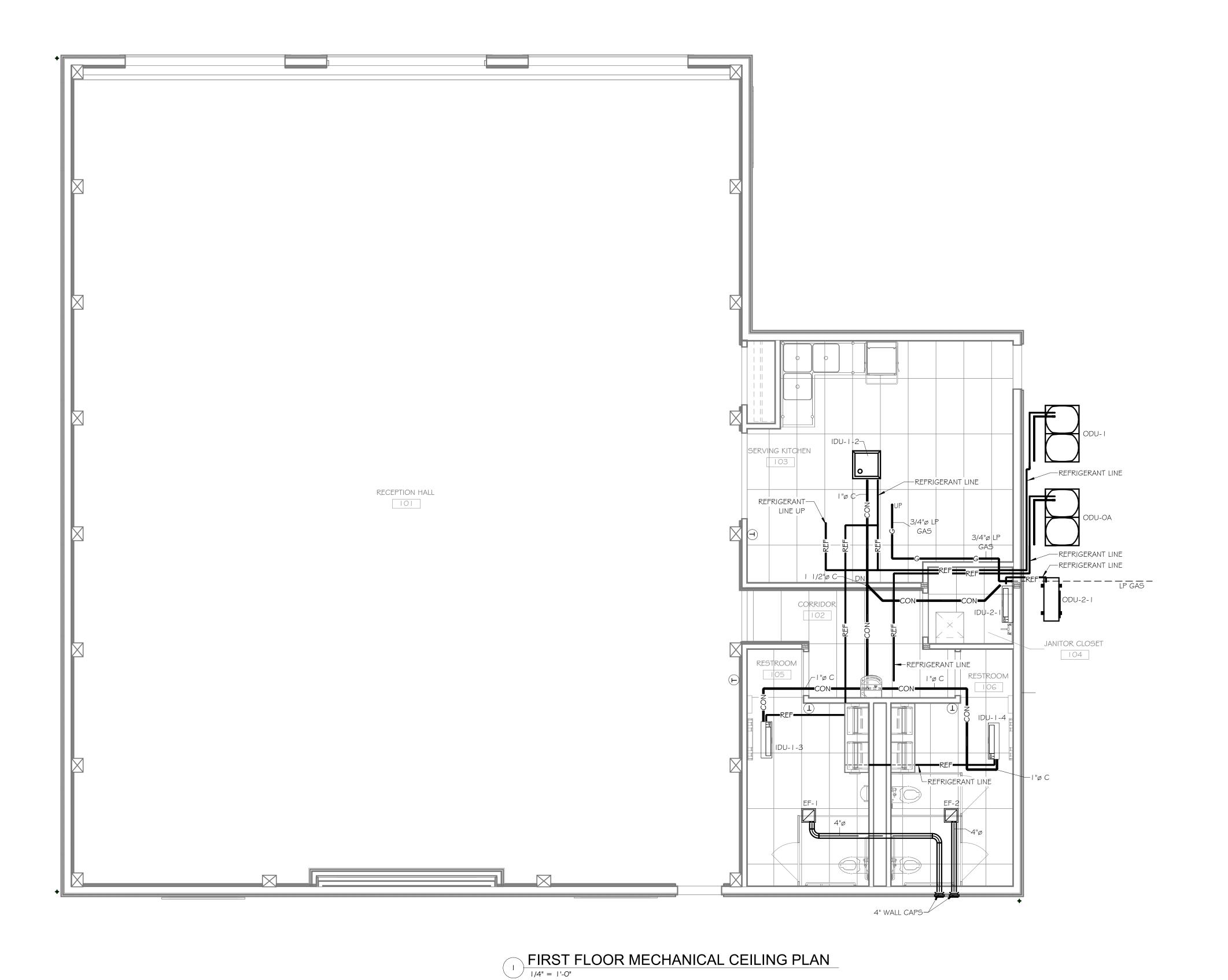
TYPICAL EXHAUST AIR DUCT DETAIL
N.T.5.

DATE				
ISSUED / REVISIONS				

AS NOTED ISSUE DATE: 04/15/2024 PROJECT NO. 23-111

DRAWING NO.

M-2.1



HVAC GENERAL NOTES

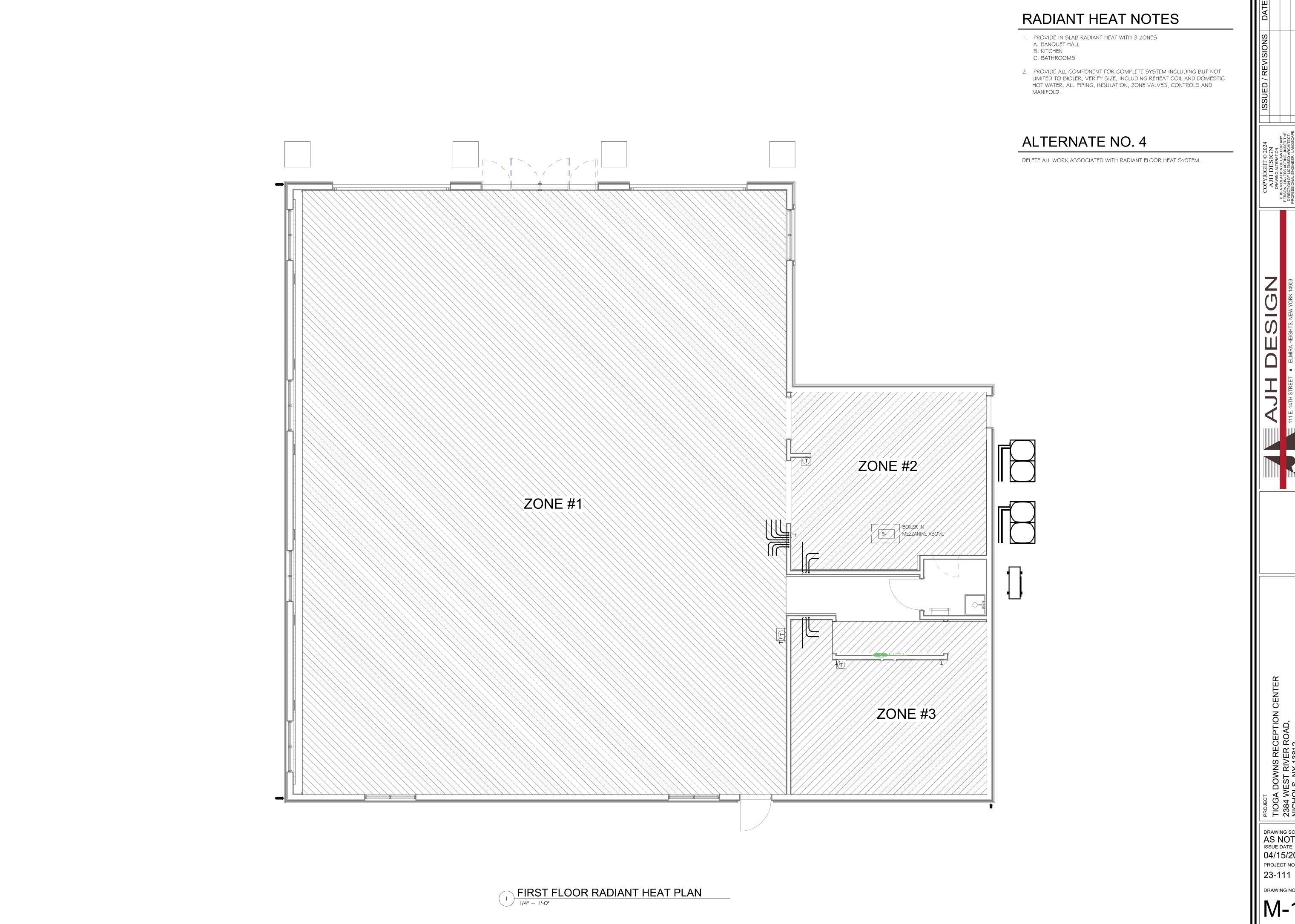
- I. COORDINATE HVAC AND PLUMBING WORK WITH ALL OTHER TRADES.
- 2. ALL DIMENSIONS AND PIPE SIZES ARE IN INCHES, UNLESS OTHERWISE NOTED. 3. INSTALL DUCTWORK IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
- PRESSURE CLASSIFICATION OF DUCT WORK IS TO BE AS FOLLOWS: a. SUPPLY I", b. RETURN I", c. EXHAUST I" PROVIDE TURNING VANES IN ALL MITERED ELBOWS, OR PROVIDE ELBOWS WITH CENTER LINE.
- 4. INSTALL ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- 5. REFLECTED CEILING PLANS FOR ANY AND ALL AREAS PREPARED BY THE ARCHITECT SHOWING THE LOCATION OF AIR INTAKES AND OUTLETS SHALL TAKE PRECEDENCE OVER THE LOCATION OF THOSE SHOWN ON THE HVAC DRAWINGS OF THIS CONTRACT SET OF DRAWINGS. THIS SUBCONTRACTOR SHALL INSTALL THE AIR INTAKES AND OUTLETS IN ANY GIVEN AREA TO AGREE WITH THE ARCHITECT'S REFLECTED CEILING PLANS.
- 6. ALL SCHEDULED MOTOR DATA AND ELECTRICAL CHARACTERISTICS ARE MAXIMUM. WHERE EQUIPMENT IS SUPPLIED WITH TARGET MOTORS OR ELECTRICAL CHARACTERISTICS THE HC TO COORDINATE WITH THE EC AND PAY FOR ALL CHANGES AS A RESULT INCREASED CAPACITY.
- 7. INSTALL ALL EQUIPMENT AND MATERIALS IN STRICT ACCORDANCE WITH RESPECTIVE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- 8. ALL CASEWORK AND ALL EQUIPMENT MECHANICAL CONTRACTOR MUST REVIEW THE EQUIPMENT SCHEDULES, SPECIFICATIONS, AND DRAWINGS IN ALL CONTRACT DOCUMENTS AND SUBSEQUENT SHOP DRAWINGS. PROVIDE ALL LABOR AND MATERIALS FOR A COMPLETE AND OPERABLE SYSTEM AS PART OF THE CONTRACT. FAILURE TO REVIEW DOES NOT RELIEVE THE CONTRACTOR OF FULFILLING THE CONTRACTUAL OBLIGATIONS.
- 9. REFER TO ARCHITECTURAL DRAWINGS AND SHOP DRAWINGS FOR FINAL EXACT LOCATIONS CONNECTIONS AND FOR ALL WORK REQUIRED FOR EQUIPMENT NOT FURNISHED UNDER THIS CONTRACT.
- IO. MECHANICAL CONTRACTOR TO FIELD MEASURE AND/OR REVIEW ALL PERTINENT DOCUMENTS TO ASSURE LAYOUTS SHOWN ON HVAC DRAWINGS ARE COMPATIBLE WITH AVAILABLE SPACE AND WORK OF OTHER TRADES. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE
- ARCHITECT FOR CLARIFICATION PRIOR TO SUBMITTING EQUIPMENT SHOP DRAWINGS. II. ALL DUCTWORK MUST BE COORDINATED WITH SPACE AND EQUIPMENT. PROVIDE ALL OFFSETS
- REQUIRED TO ACCOMMODATE WORK OF OTHER TRADES. 12. PROVIDE FLEXIBLE CONNECTIONS AT UNIT SUPPLY AND RETURN CONNECTIONS. OFFSET AND TRANSITION SUPPLY AND RETURN DUCTWORK AS REQUIRED TO AVOID STRUCTURE. PROVIDE
- MITERED ELBOWS WITH TURNING VANES AT BOTTOM OF SUPPLY AND RETURN DUCT DROPS. 13. DO NOT INSTALL ANYTHING WITHIN THE EQUIPMENT TROUBLESHOOTING SPACE. COORDINATE WITH OTHER TRADES TO KEEP THIS SPACE CLEAR. COORDINATE WITH TRUSSES IN SUCH A MANNER THAT EQUIPMENT SHALL CLEAR TRUSS WORK.
- 14. DUCTWORK TO BE INSULATED WITH 1 1/2" FIBERGLASS FLEXIBLE BLANKET INSULATION UNLESS OTHERWISE NOTED ON DRAWING OR DETAILS. JACKETS SHALL BE NOTED ON THE DRAWINGS.
- 15. FOR ALL BRANCH DUCT CONNECTIONS TO MAIN TRUNK, PROVIDE 45 DEGREE TRANSITION FITTING OR CONICAL TAP FOR ROUND DUCT. BUTT FITTINGS ARE NOT PERMITTED. PROVIDE MANUAL VOLUME DAMPER WITH LOCKING QUADRANT IN ALL BRANCH RUN OUTS TO GRILLES AND DIFFUSER.
- I G. PROVIDE TURNING VANES IN ALL MITERED ELBOWS, OR PROVIDE ELBOWS WITH CENTERLINE RADIUS EQUAL TO 1.5 TIMES DUCT WIDTH.
- 17. SLEEVE AND SEAL ALL PIPE, OR DUCT PENETRATIONS OF WALLS AND FLOORS. PACK VOID BETWEEN PIPE, OR DUCT AND SLEEVE WITH INSULATION IN NON-RATED WALLS AND FLOORS. PACK VOID BETWEEN PIPE, OR DUCT AND SLEEVE WITH INSULATION IN FIRE-RATED WALLS AND FLOORS, APPLY INTUMESCENT FIRE SAFING COMPOUND AT PENETRATION, MAINTAINING INTEGRITY AND RATING OF FIRE SEPARATION. SLEEVES THROUGH FLOORS SHALL EXTEND 2" ABOVE FLOOR, BE GROUTED INTO PLACE AND WATERPROOFED. PIPING THROUGH EXTERIOR WALLS SHALL BE SLEEVED AND SEALED WEATHER TIGHT.
- 18. AS APPLICABLE AND AS INDICATED, PIPE DROPS ARE TO BE ON WALL, IN WALL, OR IN ENCLOSED SPACE PROVIDED BY THE GENERAL CONTRACTOR.
- 19. CONCEALED PIPING DROPS IN WALLS OR ENCLOSED SPACES SHALL BE INSULATED WITH 1/2" THICK UN-SLIT FLEXIBLE UNICELLULAR INSULATION.
- 20. IF, FOR ANY REASON, IT IS NECESSARY TO RUN PIPING THROUGH FINISHED AREAS IN A MANNER THAT PIPING WOULD BE VISIBLE, THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE AN APPROVED TYPE OF ENCLOSURE FOR CONCEALMENT, AT NO ADDITIONAL COST. CONTACT ARCHITECT IF THIS SITUATION OCCURS.
- 21. PROVIDE OPENINGS THROUGH WALLS I" DIAMETER LARGER THAN PIPE. SET SLEEVE AND PACK OPENING WITH FIBERGLASS TO PREVENT RUBBING OR NOISE TRANSFER.

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DRAWING SCALE AS NOTED 04/15/2024 PROJECT NO. 23-111

DRAWING NO.

M-1.1



DRAWING SCALE
AS NOTED
ISSUE DATE:
04/15/2024
PROJECT NO.

DRAWING NO.

M-1.3

	AIR OUTLET SCHEDULE											
TYPE	MANUFACTURER	MODEL	DESCRIPTION	MATERIAL & COLOR	BORDER TYPE	SLOT	SLOT WIDTH	MODULE SIZE	1	NECK SIZE	=	REMARKS
									DIAMETER	WIDTH	HEIGHT	
S-1	TITUS	S-DL	ALUMINUM DRUM LOUVER	MILL FINISH ALUMINUM	SURFACE MOUNTED				1	18"	8"	WITH AG-15-HD OPPOSED BLADE DAMPER
R-I	TITUS	350RL	LOUVERED RETURN GRILLE	STEEL/#26 WHITE	SURFACE MOUNTED				-	48"	24"	TYPE A

	BOILER SCHEDULE										
UNIT ID	MANUFACTURER	MODEL	DESCRIPTION	MIN. INPUT BTU	MAX. OUTPUT BTU	GPM	ELEC VOLTS	TRICAL PHASE	MCA	REMARKS	
B-I	A.O. SMITH	ACB-1995-N	COMBI BOILER	19,999	199,999	4.8	120V	1		WITH DIVERSITECH DRAIN PAN 63 X 27 WITH DRAIN PAN CONNECTION	

NOTE: I. BOILER TO PROVIDE DOMESTIC HOT WATER, SERVICE TO HYDRONIC COIL, AND IN FLOOR RADIANT HEAT SYSTEM.

2.	FINAL	SIZING	BY	RADIANT	HEAT	INSTALLER.

EX	HAUST	FAN SC	CHEDULE						
TYPE	MANUFACTURER	MODEL	DESCRIPTION	AIR FLOW CFM	EXHAUST EXTERNAL	E	LECTRICA	L	REMARKS
					STATIC PRESSURE	VOLTS	PHASE	MCA	
EF-I	GREENHECK	SP-LP05 1 - 1	CEILING EXHAUST FAN	100	.15	120V	1	14W	WITH WC-4 WALL CAP, SWITCH WITH LIGHTING CIRCUIT
EF-2	GREENHECK	SP-LP05 -	CEILING EXHAUST FAN	100	.15	120V	1	14W	WITH WC-4 WALL CAP, SWITCH WITH LIGHTING CIRCUIT
EF-3	GREENHECK	5Q-140-VG	IN-LINE EXHAUST FAN	1,000	.15	120V	1	IOA	CONNECT TO BUILDING MANAGEMENT SYSTEM

LO	UVER S	SCHEDU	JLE		
TYPE	MANUFACTURER	MODEL	TYPE	SIZE	REMARKS
LV-1	GREENHECK	ESD-435	INTAKE	28 X 20	1,2,3,4
LV-2	GREENHECK	ESD-435	EXHAUST	28 X 20	1,2,3,4

- NOTES:

 I. COLOR SELECTED BY ARCHITECT, KYNAR FINISH.

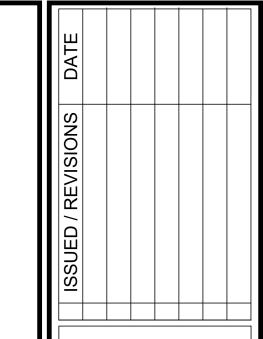
 2. INSECT SCREEN.

 3. CLIP ANGLES.

 4. EXTENDED SILL.

MC	D SCH	EDULE			
TYPE	MANUFACTURER	MODEL	TYPE	SIZE	REMARKS
MOD-I	GREENHECK	VCD-23	OUTSIDE AIR INTAKE	18 X 12	-
MOD-2	GREENHECK	VCD-23	EXHAUST AIR	20 X 20	-
MOD-3	GREENHECK	VCD-23	OUTSIDE BYPASS AIR	20 X 12	-
MOD-4	GREENHECK	VCD-23	RETURN AIR	30 X 12	-

HEA	T PUMP S	SCHEDUL	E												
TYPE	MANUFACTURER	MODEL	DESCRIPTION	NOMINAL COOLING	COOLING EFFICIENCY	NOMINAL HEATING		9	IZE			ELECTRIC PE	R MODULE		NOTES & OPTIONS
				(BTU/HR)	IEER/EER (BTU/HR) [SEER]		LENGTH	WIDTH	TH HEIGHT WEIGHT (LBS)		VOLT	MCA 208/230	PHASE	MOCP	
ODU-2	MITSUBISHI	TRUYAO I 2 I KA7ONA	OUTDOOR UNIT	12,000	13	NO HEAT	32	12	25	98	208/230V	IIA	I	30A	14" STAND
IDU-2-1	MITSUBISHI	TPKOAO I 2 I LA I OA	INDOOR UNIT	12,000		NO HEAT	35	13	15	28	208/230V	IA	I	-	



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Quotation	
Init Quantities	
system Images	
Centralized System - 1, ODU-1	
Centralized System - 1, ODU-OA	
quipment Detailed Schedules	
Outdoor Unit Schedules	
Indoor Unit Schedules	
Lossnay Unit Schedules	
BC Controller Schedules	
Input/Output Device Schedules	
quipment Submittals	
Manually Attached Via Compile Project Documents Function	

Quantities

Qty	Model	Description	Tag
4	TAR-40MAAU	MA remote controller	CTR1-AHU-1,CTR1-,CTR1-,CTR1-
1	TAR-30MAOA-J	MA remote controller	CTR1-AHU-OA
1	TUHYE1203AN40AN	R410A Y Series Outdoor Unit	ODU-1
1	TUHYE0963AN40AN	R410A Y Series Outdoor Unit	ODU-OA
1	TPEFYP096MH140A	Ceiling-Concealed (Ducted) Indoor Unit	AHU-1
1	TPLFYP012FM140A	Ceiling-Cassette (Four-Way) Indoor Unit	
2	TPMFYP006BM140F	Ceiling Cassette (One-Way) Indoor Unit	
1	TPEFYP096OA140A	100% Outside Air Indoor Unit	AHU-OA
1	CMY-Y102LS-G2	Branch Joint	
2	CMY-Y102SS-G2	Branch Joint	
1	TE-200A	System Remote Controller	CTR1
2	SGN-1	Side Snow/Hail Guard	
4	SGN-3	Front or Rear Snow/Hail Guard	
4	SHN-1	Snow Hood	
2	PAC-PH02EHYU-E	Panel Heater	
1	TLP-18FAU	Decoration Panel	
2	TMP-16BMUW	TMP-16BMUW	

Refrigerant Piping Materials

Pipe Size (inch)	Total Length (feet)	Number of Bends	
3/8	75	0	
7/8	35	0	
1/4	15	0	
1/2	15	0	
5/8	10	0	
1-1/8	30	0	

TIOGA DOWNS RACE

DRAWING SCALE
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23-111

ALTERNATION OF THE PARTY			A STATE OF THE PARTY OF THE PAR	JULTI VRF INDOOR	Anna and an anna and an		Dooring Lawrence	Heating Limiter			Coverage County		0	V	The Court of the C			A STATE OF THE STA	Max Fan LEF					A
Secon Lea	Robert Militar	Two followood	Séculai	Type:	Nontral Contral Capitals (ETUN)	Northell Heating Capacity (SIVI)	DBANE (F)	Emering Tells DSWME (*F) /	Cooling Disavely Full Partie	Come Total	Cooking Benetite Case to (BTUA)	Full Facial	Hermy Copyrine	Coming Cos LAT	Heading Col LAT	Fining Pape Line Lapid Spection (fresh)	FunSpeed Setting	(100) Facility (100)	Segrig 308WZSOVIW	empage / Promi	Private Cooking 2004/2500 (IVM	From Habing	Emission MCANFS	Thinns I cicer
(b)		Military	TPE YFOXMH!	Parker Comment Woman	Ad one	406 AM	See Alice in	20	mail/magazing	os Ere s	Tri 406 4	COLUMN TO HARM	40 hap-4	ige o-	00.0	3.6.17/a	HANK	7906		504/59/01	heb.	0.89	4 SHE	13.54
Chi-s	Steries	DU-1-2	TPLFYP0129M1 40A	Celino Caracta (Foot-Weyl	72,000	13.500	80.067.0	70	STATISMENT.	11.676.8	7.545.2	FALL EMENT	77553	56.8	60.2	1/4 / 1/2	нон.	385		208/23/W1	0.62	850	0.200.09/15	1284
03-1	Nest nom	DU-1-9	TPMFYPCO6BM4	Си по Санили (Сис-Уста	6,000	8700	60-0/67.5	70	CHAMBIO LLLI	5.837 9	5,022.8	TEMAL.	9.848.9	84.0	8070	194/1/2	HOH	307		208/230W15-	0.04	3094	0.25/15	1234
03-1	Nestroom	DU-1-21	TPMEYPOSBM1	Celling Carriers (City-Very	e ano	6.700	80 0/87.51	70	FILL DEMAND	5.887 9	5.622.5	LLI SEMAN	5848.9	64.0	62.0	1/4/1/2	HOE	907		208/230W1+/	(upt	0.04	0.25015	1234
Di Ca		Marie CA	TPEFYPONSOA1	Some of the second	75 NGO		QU N77 s s	2001	DI LICHARD		47 000 B	-1.				39128	VERY LDW(Hext)	7935+matth/2004		2082304%			a prior some	

Notes & Obtaine.

1. Nominal pooling expection are brased on Indoor coll EAT of 80(67°F (DBAVB), publical of 95°F (DB).

Nominal heating papacities are based on indoor coll EAT of 70°F (D81), outdoor of 43°F (M6). S. See putCoor unit acheaute for outdoor emberil conditions, connected aspectly, and other factors essociated with connected aspectites

4. See schematic progression diagram for indication of required indoor unit remote controllers, system controllers, and integration devices

5 Fig. demand corrected capitally includes de-rate expeliated with indexi ve. outdoor contracted capitally indicated on regardor set exhibits for immunitarit system. Parket corrected objectify assumes sufficient diversity exists such that the connected objectly de-rate does not apply.

A is the designed responsibility to around Dismond System Suited is set in the appropriate output capacity eating (All semanosperial parents prior to generating this activities

If it recommended to always basis heating corrected capacity on full demans:

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF OUTDOOR UNIT SCHEDULE

		1							Cooling		Design Cooking	Design Heating	Corrected	Corrected			Per Module or (450V)		
System Tag	Tag Reference	M-NET Address	Model Number	Modules	Nominal Cooling Capacity (BTUIN)			BERZ (DEERS)		Dutdoor Temp. WB (*F)		Heating Capacity (BTUIN)	Voltage / Phase	MCA 208/230 at	RF3	Mode	Notes / Options		
ODU-1	ODU-1	53	TUHYE1203AN40AN	P120	120,000	(35,000	28.1713.8	В	88 0	1.3	122,045.6	77,495,4	208/230V / 3- phase 3-wire	40/37	60/50	60/50	(, 2, 3, 4, 5		
COULOA	ODU-OA	SS	TUHYED963AN4DAN	P95	96,000	108,000	30.35 / 14.7	á	89.6	3	98,038,2	64,274.9	208/230V / 3× phase 3-wire	31/29	45(40	45/40	1, 2, 3, 4, 5		

Notes & Cotions:

Nominal cooling capacities are based on indoor coll EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)

2 Nominal heating capacities are based on indoor coll EAT of 75°F (DB), outdoor of 43°F (WB)

3 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted 8 non-ducted indoor units. 4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.

5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout:

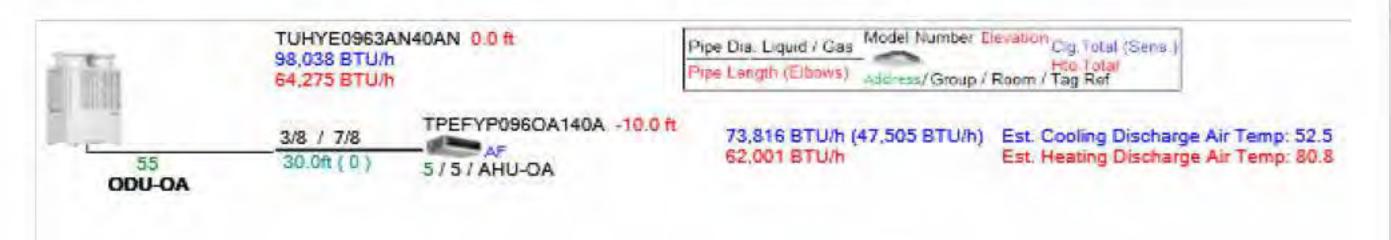
6. PROVIDE 18" SUPPORT STAND

VENTILATION UNITS

				300000				eaving Air Conditi	ons							Mixed Air Conditions	5
Ventilation Unit Tag	Serving IUs	Zone Supply	Fan Speed Setting	Actual Supply Aidlow (CFM)	Zone Airflow (CFM)	Indoor Unit Airflow (CFM)		Wet Bulb Coolin (FWB)	g Dry Bulb Heating (FDB)	The second secon	M-NET Address	Model T	vpe .	Airflow (CFM)	Dry Bulb Cooling (FDB)	Wet Bulb Cooling (FWB)	Dry Bulb Heating (FDB)
TPEFYP096OA1	No	Yes	VERY LOW(Heat). HIGH(Cool)	790(Heat)/1200(C	790		0 52,5	51.6	90.8								

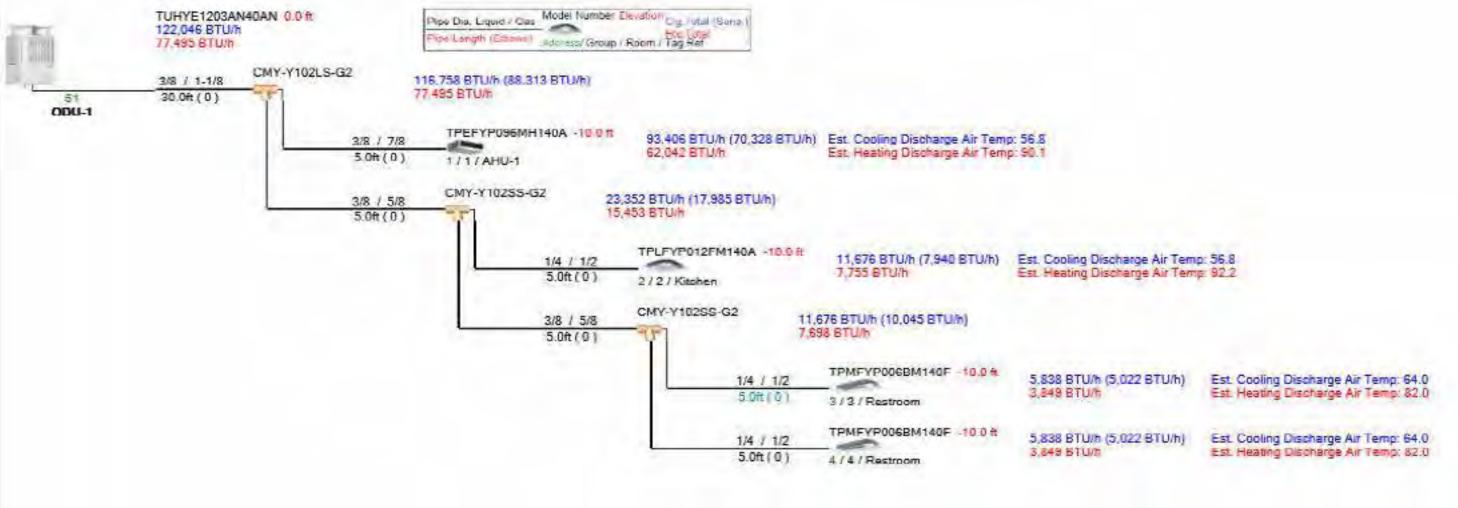
Centralized System - 1: ODU-OA

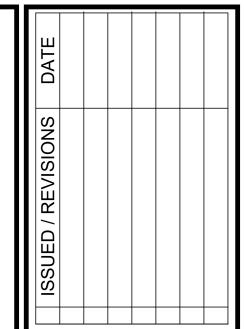
Piping Diagram Image (Design View)



Centralized System - 1 : ODU-1

Piping Diagram Image (Design View)





DRAWING SCALE AS NOTED 04/15/2024 PROJECT NO. 23-111

DRAWING NO.

M-3.3

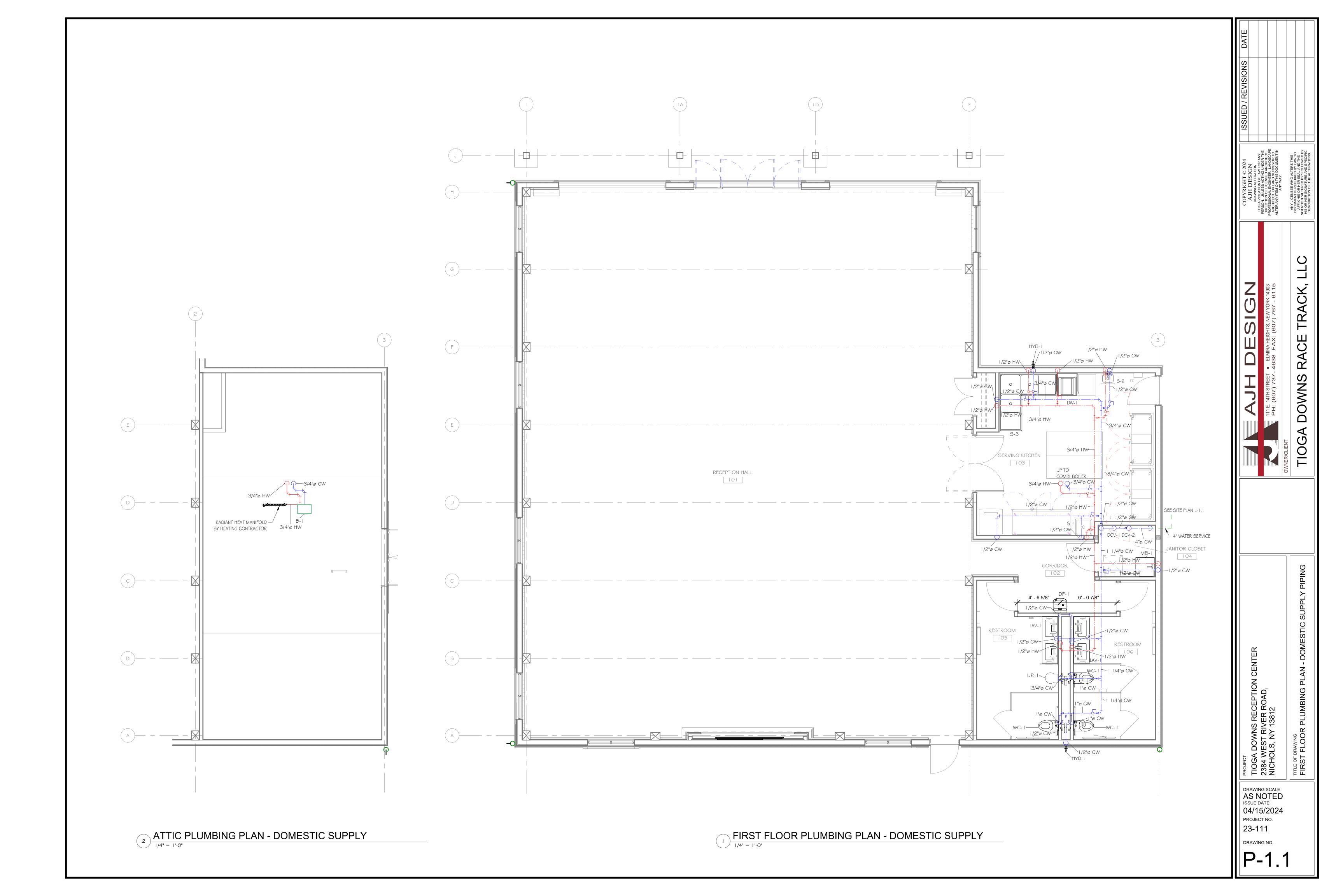
PLUMBING - GENERAL NOTES I. VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN FIELD BEFORE ORDERING EQUIPMENT OR FABRICATING COMPONENTS. 2. COORDINATE WORK WITH STRUCTURAL AND ARCHITECTURAL FEATURES AND PROVIDE OFFSETS AND FITTINGS AS REQUIRED. 3. COORDINATE WORK WITH ALL OTHER TRADES AND CEILING HEIGHTS ON ARCHITECTURAL PLANS. 4. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES AND PIPING BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES 5. INSTALL ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS 6. CONTRACTOR IS REQUIRED TO NOTIFY FACILITY OWNERS NOT LESS THAN 3 AND NOT MORE THAN 10 WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION WORK WHEN USING POWERED EQUIPMENT 7. COORDINATE LOCATION OF ALL PIPING AND DEVICES BEFORE INSTALLATION WITH THE WORK OF OTHER TRADES. WHERE A CONFLICT IN AVAILABLE CLEARANCES OCCURS, OBTAIN CLARIFICATION FROM OTHER TRADES AND ARCHITECT, AND PROVIDE ADDITIONAL PIPING, FITTINGS, ETC., ARE REQUIRED TO INSTALL PLUMBING SYSTEM WITHOUT ANY ADDITIONAL COST TO THE CONTRACT 8. VERIFY MOUNTING HEIGHTS OF EQUIPMENT FIXTURES W/ARCHITECT DRAWING AND OWNER SUPPLIED EQUIPMENT BEFORE ROUGH-IN. 9. BUILDING STORM WATER, DOMESTIC WATER, SANITARY, & GAS PIPING SHALL BE EXTENDED TO LIMIT OF DELINEATION OF CONTRACT LINE AS INDICATED ON DRAWINGS. IO. THE PLUMBING CONTRACTOR SHALL MAKE A COMPLETE WASTE, VENT, HOT & COLD WATER CONNECTION TO ALL OWNER FURNISHED EQUIPMENT. I I . INSTALL ALL EQUIPMENT AND MATERIALS IN STRICT ACCORDANCE WITH RESPECTIVE MANUFACTURER'S WRITTEN INSTRUCTIONS. I 2. DIMENSIONS AND PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE. 13. RUN PIPING CONCEALED EXCEPT IN MECHANICAL ROOMS OR WHERE NOTED OTHERWISE. 14. ALL EXPOSED PIPING SHALL BE CLEANED AND HAVE THE SURFACE PREPARED TO RECEIVE PAINTED FINISH. PRIME AND PAINT THE EXPOSED PIPING IN COLOR AS SELECTED BY THE ARCHITECT 15. RUN MINIMUM 2" SIZE WASTE PIPING BELOW GROUND INSIDE BUILDING REGARDLESS OF SIZE NOTED ON FIXTURE SCHEDULE. SLOPE ALL SOIL, WASTE AND STORM WATER LINES PER CODE. I 6. CONNECT WATER, WASTE, AND VENT PIPING TO FIXTURES IN ACCORDANCE WITH SIZES INDICATED ON FIXTURE SCHEDULE. 17. CONTRACTOR SHALL PROVIDE PIPE SLEEVES IN ALL FOUNDATION WALLS FOR PIPING PENETRATIONS. 18. ALL DOMESTIC WATER PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE. 19. MAKE ALL FINAL CONNECTIONS TO THE EQUIPMENT AS SHOWN ON THE DRAWINGS. PROVIDE SHUT-OFF VALVES IN ALL INDIVIDUAL WATER CONNECTIONS. IF APPLICABLE, PROVIDE SHUT-OFF VALVES IN ALL INDIVIDUAL GAS CONNECTIONS. 20. RUN ALL PIPING ABOVE CEILING UNDER BUILDING INSULATION OR CONCEALED IN WALLS, UNLESS NOTED OTHERWISE. ALL WASTE LINES SHALL BE BELOW FLOOR, UNLESS NOTED OTHERWISE. 21. FURNISH AND INSTALL ACCESS PANELS WHERE REQUIRED, WHERE SHOWN, OR REQUIRED FOR ACCESS TO ALL CONCEALED VALVES, TRAPS OR OTHER EQUIPMENT FURNISHED UNDER THIS CONTRACT WHERE NO OTHER MEANS IS PROVIDED. A. COORDINATE ACCESS PANELS AND DOORS WITH ARCHITECT FEATURES. 22. INSTALL UNIONS ON PIPING TO PERMIT EASY DISCONNECTING. 23. CONCEAL ALL PIPING, VALVES AND FITTINGS ABOVE CEILINGS AND IN CHASES WHERE THEY OCCUR, UNLESS NOTED OTHERWISE. 24. THE CONTRACTOR SHALL RIGIDLY SUPPORT ALL EQUIPMENT. 25. ALL SANITARY AND STORM SEWER PIPING SHALL BE RUN AT 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED. ALL SANITARY SEWER PIPING 2" AND SMALLER SHALL BE RUN AT 1/4" PER FOOT SLOPE. ALL SANITARY SEWER PIPING 3" AND LARGER SHALL BE RUN AT 1/8" PER FOOT SLOPE. 26. PROVIDE AND INSTALL CHROME PLATED ANGLE SHUTOFF VALVES AT EACH FIXTURE REQUIRING WATER VALVES FOR WALL MOUNTED FIXTURES SHALL BE CHROME PLATED, PROVIDE THREADED, HEAVY DUTY TYPE AND HAVE LOOSE KEY STOPS. VALVES FOR COUNTERTOP FIXTURES SHALL BE 1/4 TURN BALL VALVES. PROVIDE SHUT-OFF VALVE IN ALL HOT WATER SUPPLY BRANCHES AND COMBINATION SHUT-OFF AND BALANCE VALVE IN ALL HOT WATER RETURN BRANCHES. LOCATE IN ACCESSIBLE CEILING SPACE OR IF INSIDE EQUIPMENT ENCLOSURES, PROVIDE ACCESS DOOR. 27. HOT & COLD-WATER PIPING SHALL BE COPPER/PEX. O FLATIDE COLLER

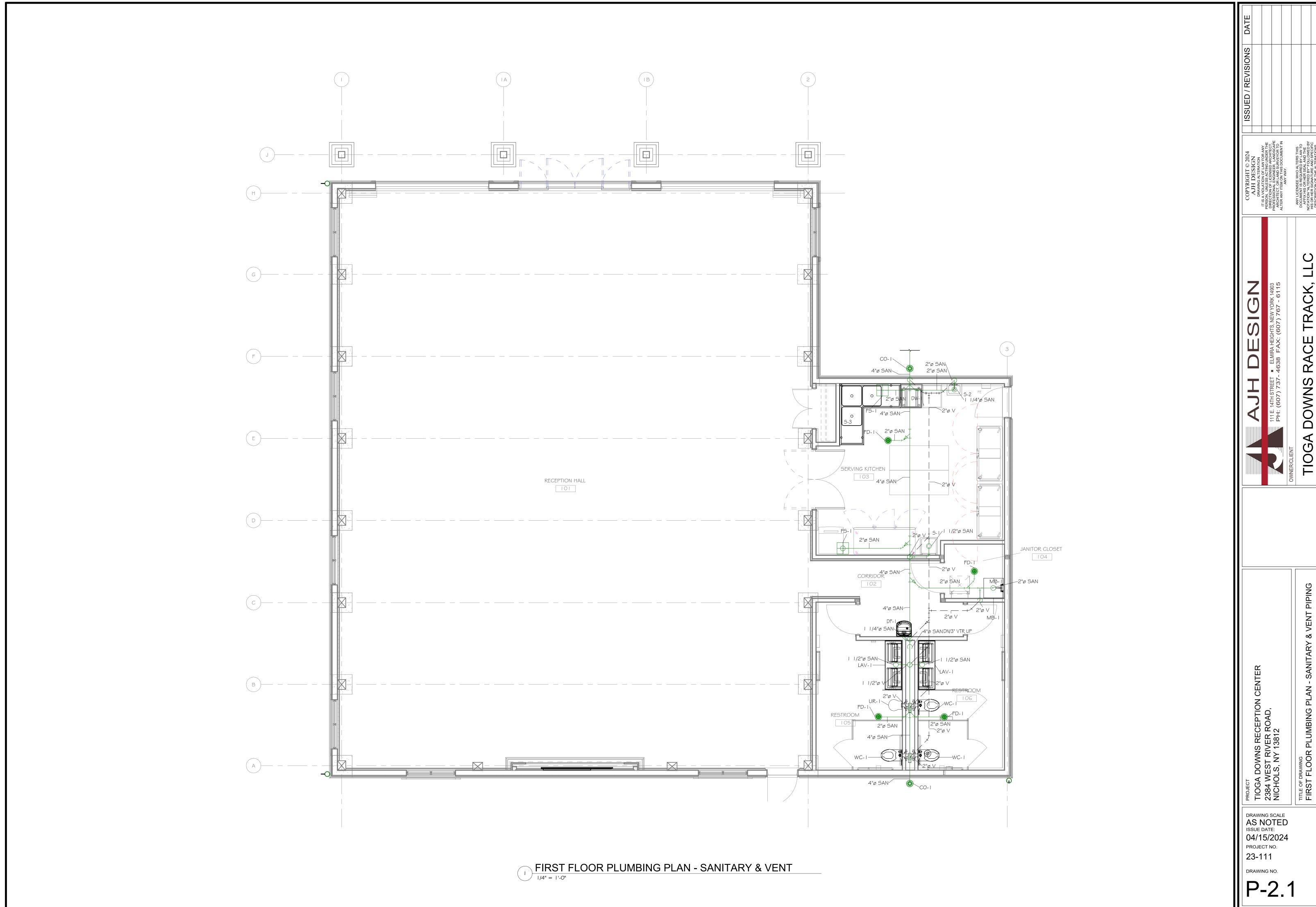
		PLUN	ИВІ	ING	FI	XTL	IRE SCHEDULE
NAME	DESCRIPTION	MANUFACTURER		PIF	°E SIZE		REMARKS
NAIVIL	DESCRIPTION	IVIANUI ACTURER	CW	HW	VENT	WASTE	KLIVIANO
WC-I	WATER CLOSET, ADA	AMERICAN STANDARD	1"	-	2"	3"	MODEL, AFWALL MILLENIUM FLOWISE 2257.101, WITH, SELECTRONIC FLUSH VALVE 6067.161.002, OPEN FRONT SEAT 5905.100, ZURN 1200 SERIES WALL CARRIER
UR-1	URINAL	AMERICAN STANDARD	3/4"	-	2"	2"	MODEL, DECORUM 6042.001EC, WITH, SELECTRONIC FLUSH VALVE 6062.301.007 STAINLESS STEEL STRAINER 7381755-200.0020A, ZURN 1200 SERIES CARRIER.
LAV-1	LAVATORY	BRADLEY	1/2"	1/2"	1-1/4"	1-1/2"	MODEL, OMNIDECK LD-3010, WITH VERGE CREST FAUCET AND SOAP DISPENSER AND WB-TR-1 UNDERMOUNTS.
DF-1	DRINKING FOUNTAIN	ELKAY	1/2"	-	- /4"	1-1/4"	MODEL, LZS8WSSK EZH2O
MB-I	MOP BASIN	MUSTEE	1/2"	1/2"	1-1/2"	2"	MODEL, 63CM, WITH FAUCET, HOSE AND HOLDER, MOP HANGER
5-1	PREP SINK	-	1/2"	1/2"	1-1/2" AAD	1 1/2"	PROVIDED AND SELECTED BY OWNER
5-2	HAND WASH SINK	-	1/2"	1/2"	1-1/4"	1 /4"	PROVIDED AND SELECTED BY OWNER
5-3	THREE BAY SINK	REGENCY	1/2"	1/2"	2"	2"	PROVIDED AND SELECTED BY OWNER
CO-I	CLEAN OUT	CHARLOTTE	-	-	-	4"	MODEL, PVC ADAPTOR AND PLUG
FD-I	FLOOR DRAIN	ZURN	-	-	2"	2"	MODEL, FD2210-PV2, ADJUSTABLE HEIGHT, WITH SURE SEAL TRAP SEAL
HYD-1	WALL HYDRANT	WATTS	1/2"	-	_	-	MODEL HY 420 8, FROST PROOF
DCV-I	DOUBLE CHECK VALVE	WATTS	1 1/2"	-	-	-	MODEL LF007M2QT-S
DCV-2	DOUBLE CHECK VALVE	WATTS	TBD	-	-	-	SIMILAR TO LFM300GV, FINAL SELECTION BY FIRE PROTECTION INSTALLER
FS-1	FLOOR SINK	WATTS	-	-	-	2"	MODEL, FS-730-2-P-175
DW-1	DISHWASHER	-	-	3/4"	2"	2"	PROVIDED AND SELECTED BY OWNER

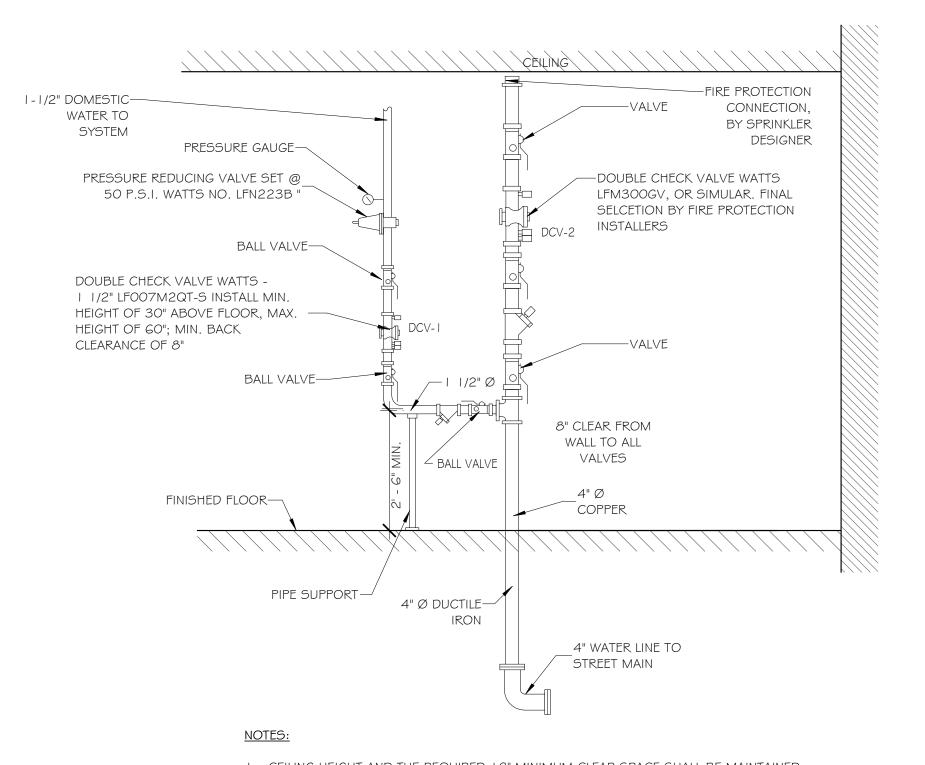
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- I. CEILING HEIGHT AND THE REQUIRED 12" MINIMUM CLEAR SPACE SHALL BE MAINTAINED ABOVE THE ASSEMBLY TO ALLOW FOR SERVICING VALVES AND FOR OPERATION OF SHUT-OFF VALVES.
- 2. A MINIMUM DISTANCE OF 30" OF CLEAR SPACE SHALL BE MAINTAINED BETWEEN THE FRONT SIDE OF THE DEVICE AND THE NEAREST WALL OR OBSTRUCTION.
- 3. IF THE DISTANCE BETWEEN THE WATER METER AND THE 3" DEVICE IS GREATER THAN 10', THE PIPING MUST BE LABELED "DO NOT TAP" AT 5' INTERVALS.
- 4. A MINIMUM CLEARANCE OF 8" SHALL BE MAINTAINED FROM THE BACKSIDE OF THE DEVICE TO THE NEAREST WALL OR OBSTRUCTION.

-VENT THRU ROOF

-PIPE BOOT

—SEALANT AROUND PERIMETER

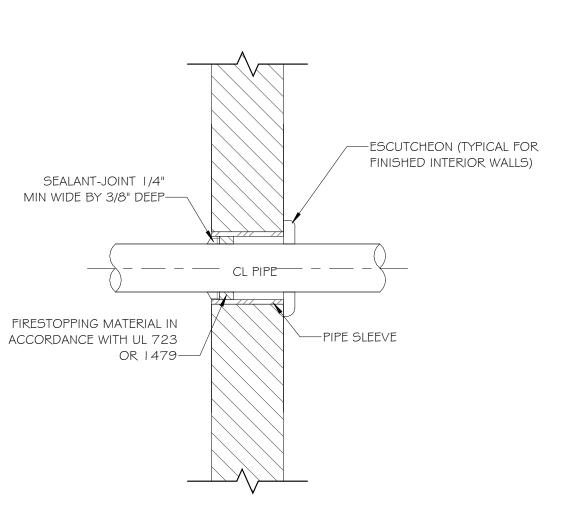
-ROOF LINE

4" DOMESTIC WATER SERVICE PIPING DETAIL

8 N.T.S.

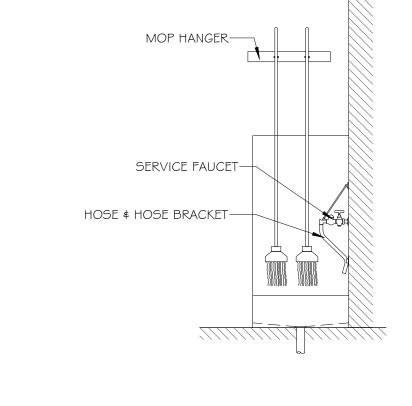
—ALUM DOWNSPOUT PVC TRANSITION BOOT PVC PIPE RE: CIVIL ____ TO STORMWATER MANAGEMENT-— — — — — — — — SYSTEM RE: CIVIL —FDN WALL \$ FTG RE: STRUCT

TYP. DOWNSPOUT DETAIL N.T.S.

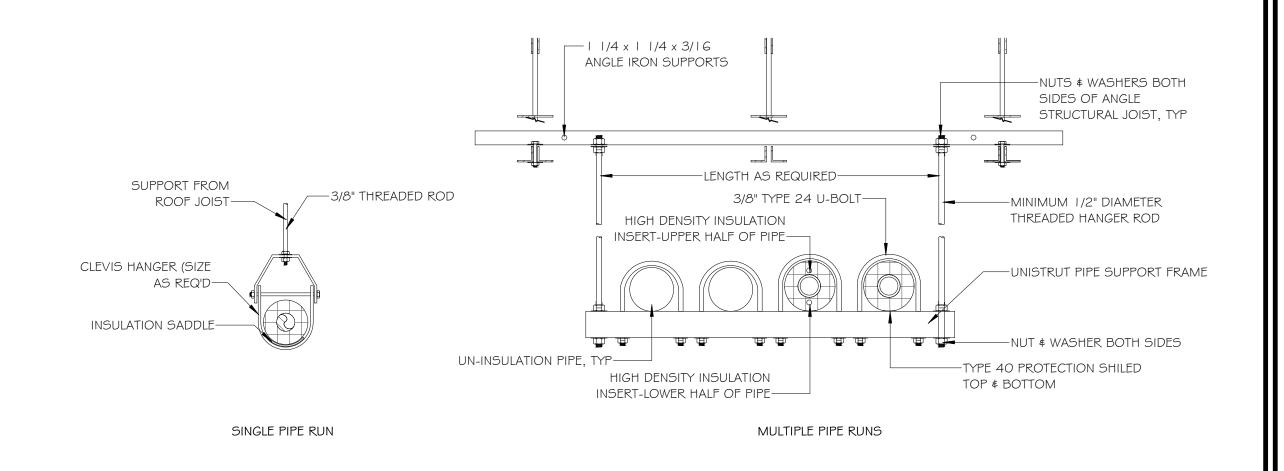


TYP. PIP PENETRATION THRU WALL DETAIL

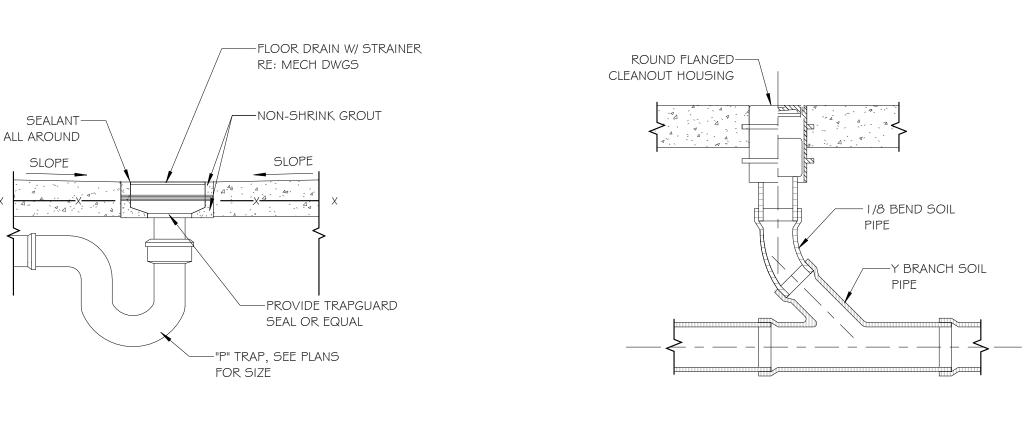
5 N.T.S.



MOP SINK ELEVATION DETAIL N.T.S.



PIPE SUPPORT DETAILS



TYP. FLOOR DRAIN DETAIL

N.T.S.

TYP. FLOOR CLEANOUT DETAIL

SEALANT-JOINT 1/4" MIN WIDE BY 3/8" DEEP CL PIPE CL PIPE
FIRESTOPPING MATERIAL IN ACCORDANCE WITH UL 723 OR 1479 PIPE SLEEVE

RACE

DOWNS

TIOGA

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ROOF VENT PENETRATION DETAIL

N.T.S.

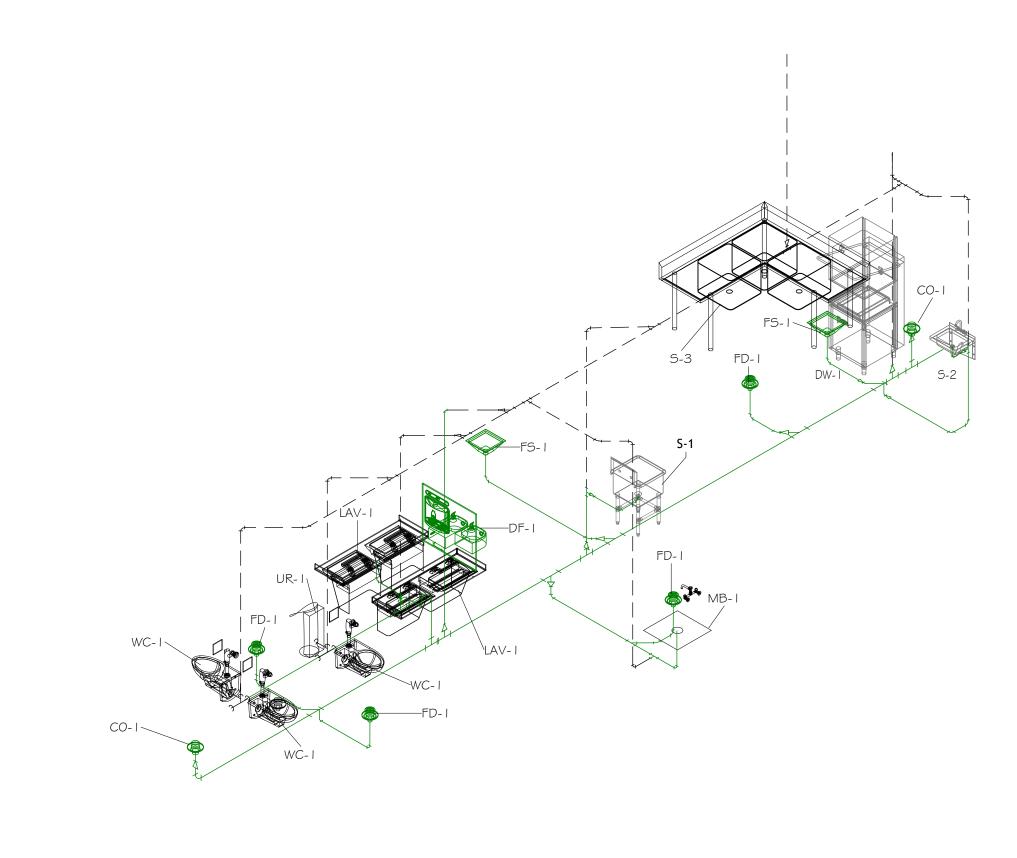
NOTE: CONTRACTOR SHALL INSTALL VENT WITH BOOT IN ACCORDANCE

WITH ROOF MANUFACTURES INSTALLATION INSTRUCTIONS

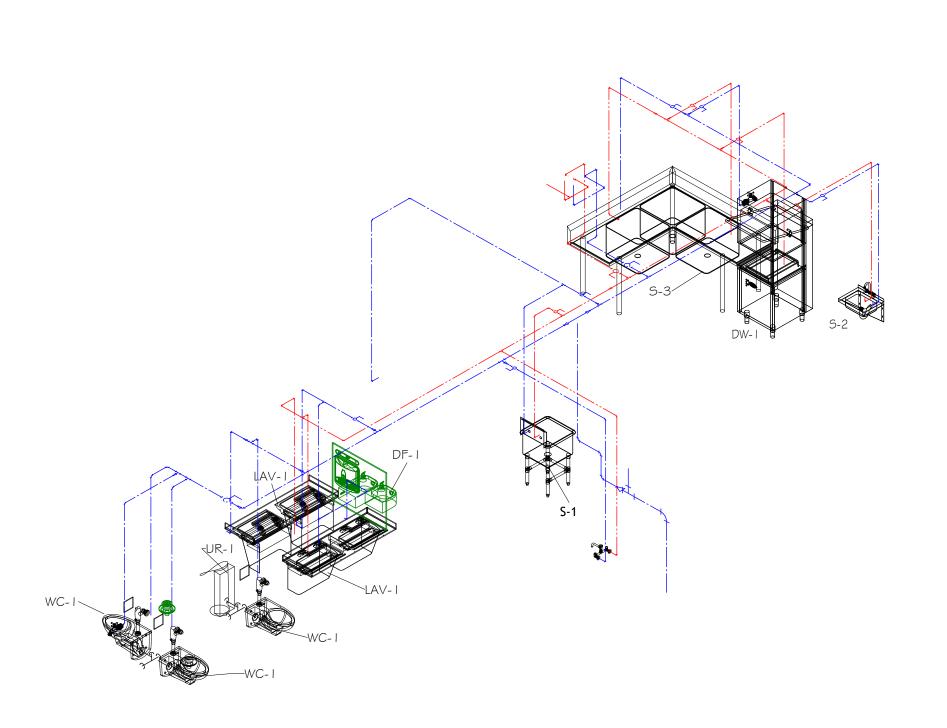
FASTENER, PROVIDE FASTNERS AT 2" O.C. AROUND PERMITER OF FLANGE—

OFFSET IN CEILING

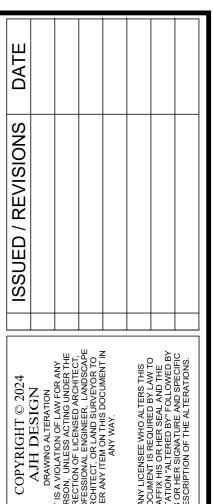
WHERE REQUIRED-



SANITARY & VENT ISOMETRIC VIEW

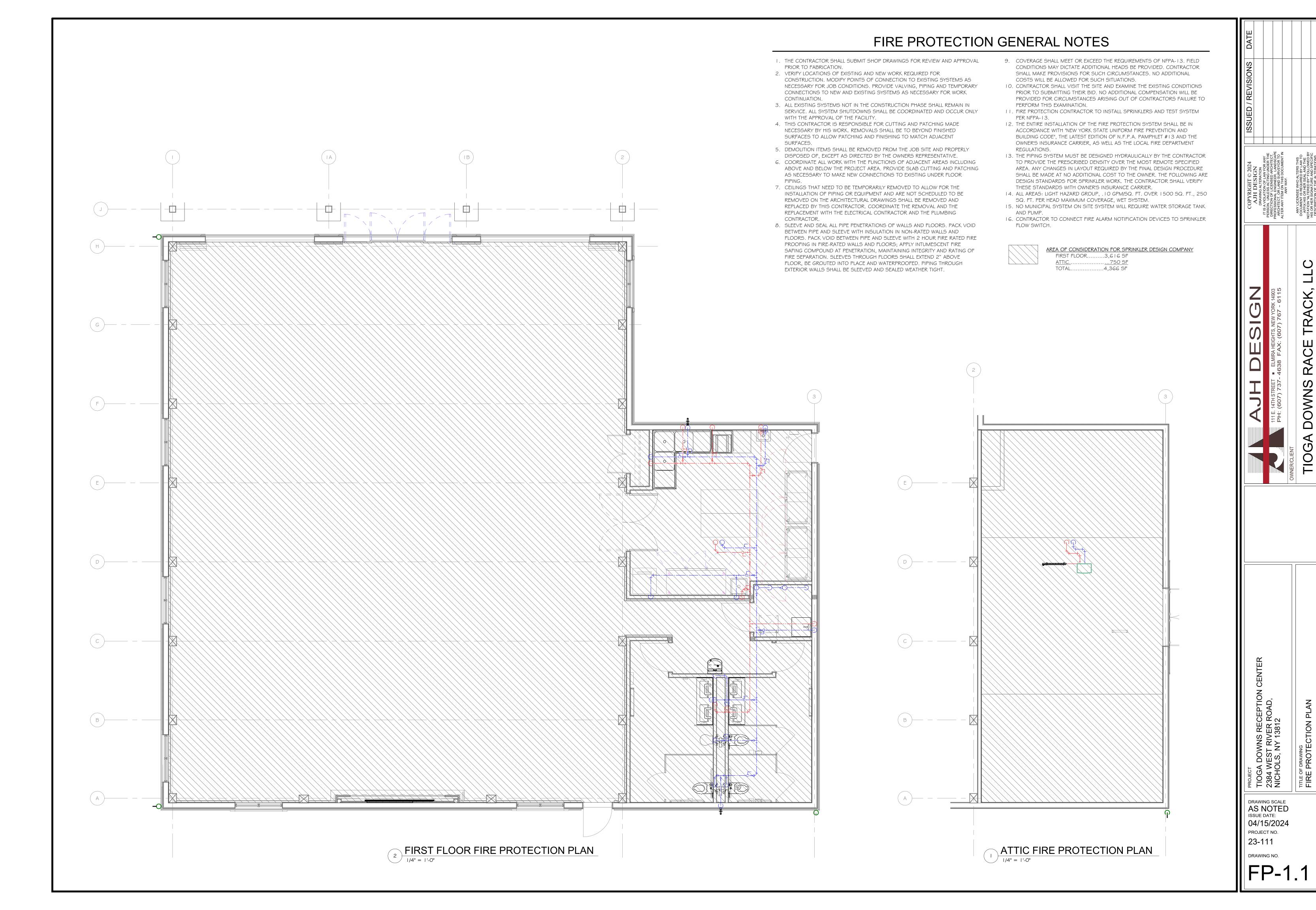


DOMESTIC SUPPLY ISOMETRIC VIEW



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ELECTRICAL GENERAL NOTES: I. PRIOR TO CONSTRUCTION AND INSTALLATION, CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IN WRITING OF CONFLICTS OR CONDITIONS WHICH INTERFERE WITH INSTALLATION AS SET FORTH IN CONTRACT DOCUMENTS. 2. PROTECT HEAT/SMOKE DETECTORS, LUMINARIES, OCCUPANCY SENSORS, ETC., IN THE VICINITY OF NEW WORK. 3. THE CONTRACTOR IS RESPONSIBLE FOR ALL NEW OPENINGS, CUTTING, PATCHING, A. EXCAVATIONS, AND PENETRATIONS REQUIRED TO COMPLETE THE WORK OF THE ELECTRICAL TRADE UNLESS SPECIFICALLY NOTED OTHERWISE. UPON COMPLETION, ALL PENETRATIONS ARE TO BE SEALED. 4. REFER TO HVAC AND PLUMBING DRAWINGS FOR ASSOCIATED ELECTRICAL WORK. 5. THE ELECTRICAL TRADES CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL TRADES AND OWNER PRIOR TO START OF WORK. 6. MINIMUM CONDUIT SIZE USED ON THIS PROJECT SHALL BE 3/4" UNLESS NOTED OTHERWISE. 7. MINIMUM WIRE SIZE USED ON THIS PROJECT SHALL BE #12 THHN/THWN, UNLESS NOTED OTHERWISE. 8. GENERAL PURPOSE RECEPTACLES SHALL BE 20 AMP, AND NEMA STYLE GROUNDING TYPE AS REQUIRED FOR APPLICATION. 9. ALL MECHANICAL AND PLUMBING EQUIPMENT CONNECTION LOCATIONS INDICATED ARE APPROXIMATE. VERIFY LOCATIONS IN FIELD AND COORDINATE WITH HVAC AND PLUMBING DRAWINGS TO DETERMINE EXACT LOCATION OF ELECTRICAL CONNECTIONS AND CHARACTERISTICS. I O. ALL LOW VOLTAGE WIRING/CABLING NOT IN CONDUIT SHALL BE PLENUM RATED I I . ALL CEILING MOUNTED DEVICES ARE TO BE CENTERED WITHIN THE PATTERN OF THE CEILING PANEL. A 2'X4' PANEL SCORED TO SIMULATE A 2'X2' PATTERN SHALL HAVE DEVICES CENTERED IN THE 2'X2' PORTION. COORDINATE IN FIELD WITH CEILING INSTALLER. 12. ALL DEVICES ARE TO BE INSTALLED RECESSED. 13. ALL WORK TO CONFORM TO CURRENT APPLICABLE EDITION OF THE NEC. AND ALL APPLICABLE LOCAL CODES. I 4. ROUTE SURFACE RACEWAY AS FOLLOWS: VERTICAL RUNS SHALL BE LOCATED IN CORNERS OR ALONG MOLDINGS AND TRUSS MEMBERS. EXTEND TO ABOVE ACCESSIBLE CEILINGS, WHERE POSSIBLE. HORIZONTAL RUNS SHALL NOT EXCEED 20 LF IN LENGTH WHEREVER POSSIBLE. 15. ALL EXTERIOR LIGHTING SHALL BE PHOTOCELL CONTROLLED. I 6. ALL EMERGENCY AND EXIT FIXTURES SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHING. I 7. THE CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL EQUIPMENT. 18. ALL ABOVE COUNTER (AC) RECEPTACLES SHALL BE INSTALLED ABOVE BACKSPLASH AND NO MORE THAN 48" A.F.F. 19. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL LIGHTING INFORMATION. 20. RECEPTACLES ARE TO BE INSTALLED WITH GROUNDING POLE TO THE TOP OR, IF MOUNTED HORIZONTALLY, TO THE LEFT. 2 I . PROVIDE SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR WITHIN EACH BRANCH CIRCUIT RACEWAY. 22. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS. 23. ALL RECEPTACLES NOTED WEATHERPROOF (WP) SHALL BE GFI PROTECTED WITH WEATHERPROOF IN-USE COVER. 24. ALL DEVICES AND FIXTURES SHALL BE SPECIFICATION GRADE OR BETTER. 25. THE DEMOLITION PLAN IS INTENDED TO CONVEY A GENERAL SCOPE OF WORK. THE CONTRACTOR IS TO REMOVE ALL EQUIPMENT, DEVICES, CONDUIT AND WIRING THAT WOULD BE ABANDONED AT COMPLETION OF PROJECT. 26. CONTRACTOR IS TO PROVIDE PANEL NAME AND CIRCUIT NUMBER ON ELECTRICAL EQUIPMENT, DEVICES, ETC. AND UPDATED ELECTRIC PANEL CIRCUIT DIRECTORY AT THE COMPLETION OF THE PROJECT. 27. LIGHT FIXTURES NOTED (NL) SHALL BE NIGHT LIGHT FIXTURES AND BE WIRED TO A DEDICATED CIRCUIT AND NOT INCLUDED ON THE SWITCHED LIGHTING CIRCUIT.

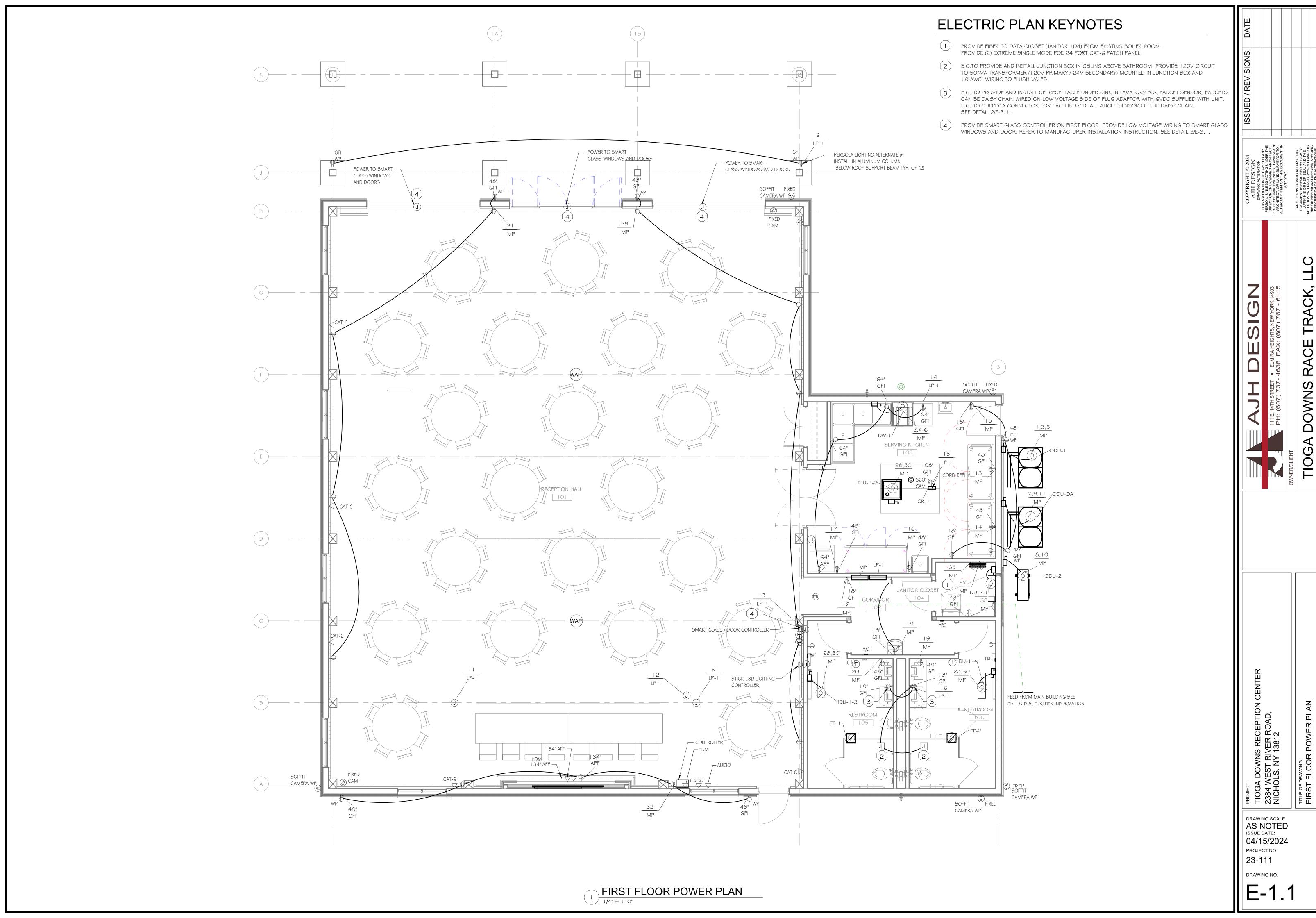
C) n 4	DEC ORIETION	1450 440	25,442%
SYM	DESCRIPTION	MFC./NO.	REMARKS
\$	WALL MOUNTED SPEAKER	-	INTERIOR: BOSCH LBC3086/4 BLACK EXTERIOR: POLY PLANER MA4056-6
(5)	SPEAKER	-	INTERIOR: BOSCH LBC3086/4 BLACK EXTERIOR: POLY PLANER MA4056-6
(OS)	CEILING MOUNTED OCCUPANCY SENSOR	-	-
\$	SINGLE POLE SWITCH	PASS \$ SEYMOUR CS20AC I	-
\$3	THREE-WAY SWITCH	PASS \$ SEYMOUR CS20AC3	-
\$4	FOUR-WAY SWITCH	PASS \$ SEYMOUR CS20AC4	-
\$ _D	DIMMER SWITCH	PASS & SEYMOUR CDFB I O	_
\$ ₀ c	OCCUPANCY SENSOR	SENSOR SWITCH WSD-PDT	_
P	DUPLEX RECEPTACLE	PASS & SEYMOUR PS5362	20A RATING
II GFI	GFI RECEPTACLE	PASS & SEYMOUR PS2094	20A RATING, I 20V
GFI	DUPLEX RECEPTACLE	PASS \$ SEYMOUR PS5362	20A RATING, MOUNT HEIGHT NOTED
72" 	GFI RECEPTACLE	PASS \$ SEYMOUR PS2094	20A RATING, INSTALLED W/ WATER TIGHT HOUSING
	FUSED DISCONNECT	CUTLER-HAMMER/SQAURED	-
J	JUNCTION BOX	-	-
	CORD REEL WITH GFI SINGLE PLUG	KH INDUSTRIES	PROVIDE CORD REEL #RTAG3LW-WCL520-J12F
#	DATA	-	PROVIDE 3/4" SLEEVE, BACK BOX AND CAT G CABLE TO JUNCTION BOX ABOVE.(# = QUANTITY OF DATA DROPS)
(WAP)	WIRELESS ACCESS POINT		PROVIDE 3/4" SLEEVE, BACK BOX AND CAT 6
		-	CABLE TO JUNCTION BOX ABOVE.
T	THERMOSTAT	-	-
CR	CARD/PROXIMITY READER	-	MOUNT AT 3'-6" AFF. PROVIDE CONDUIT & BACK BOX.
DC	DOOR CONTACT	-	REFER TO DOOR HARWARE SPECIFICATIONS
ES	ELECTRIC STRIKE	-	REFER TO DOOR HARWARE SPECIFICATIONS
EL	ELECTRONIC LATCH	-	REFER TO DOOR HARWARE SPECIFICATIONS
KP	KEY PAD	-	REFER TO DOOR HARWARE SPECIFICATIONS
MD	MOTION DECTOR	-	-
Р	PUSH BUTTON FOR DOOR OPERATION	-	-
REX	REQUEST TO EXIST DEVICE	-	-
TV	COAXIAL CABLE TV OUTLET	-	PROVIDE BOX AND 3/4" CONDUIT TO 6" ABOVE FIN CEILING OR CONCEALLED SPACE.
© WP	IP CCTV WEATHER PROOF CAMERA	-	PROVIDE BOX AND 3/4" CONDUIT TO 6" ABOVE FIN CEILING OR CONCEALLED SPACE.
	VIDEO CAMERA GLIDVEILLANCE		PROVIDE 3/4" SLEEVE AND BACK BOX AT EXTERIOR WALL
	VIDEO CAMERA SURVEILLANCE	-	LOCATIONS. SELECTED BY OWNER PROVIDE 3/4" SLEEVE AND BACK BOX AT EXTERIOR WALL
	360° CAMERA DOME CEILING MOUNT	-	LOCATIONS. SELECTED BY OWNER
	PATCH PANEL	-	EXTREME SINGLE MODE POE (2) 24 PORT CAT-6 PATCH
ØF	WALL MOUNT FA AUDIO-VISUAL DEVICE		SIMPLEX 4906-9 27
F	FA PULL STATION	-	SIMPLEX 4099-900 I
FACP	FIRE ALARM CONTROL PANEL	-	SIMENS CERBERUS PRO FC922 (OR EQUAL)
FAAP	FIRE ALARM ANNUNCIATOR PANEL	-	SIMENS CERBERUS PRO FIRE TERMINAL FT924 (OR EQUAL
→	CLG MOUNT EXIT SIGN	-	NI-CAD W/SELF DIAGNOSTICS. PROVIDE 90 MINUTE BATTE BACKUP. CONNECT TO NEAREST UNSWITCHED CIRCUIT
—————————————————————————————————————	WALL MOUNT EXIT SIGN	-	NI-CAD W/SELF DIAGNOSTICS. PROVIDE 90 MINUTE BATTE
$\langle H \rangle$	HEAT DETECTOR	_	BACKUP. CONNECT TO NEAREST UNSWITCHED CIRCUIT NI-CAD W/SELF DIAGNOSTICS
(5)	SMOKE DETECTOR		NI-CAD W/SELF DIAGNOSTICS
	SMOKE/CARBON MONOXIDE DETECTOR	-	NI-CAD W/SELF DIAGNOSTICS
(5) _{co}	·	-	
	2 X 4 TROPHER RECESSED MOUNT	-	SEE LIGHT FIXTURE SCHEDULE
	EXIT SIGN LED WITH DUAL LIGHT HEADS	-	SEE LIGHT FIXTURE SCHEDULE
0	RECESSED CAN LIGHT FIXTURE	-	SEE LIGHT FIXTURE SCHEDULE
	10' ROUND LED LIGHT FIXTURE	-	SEE LIGHT FIXTURE SCHEDULE
Ю	WALL MOUNT EXTERIOR LIGHT FIXTURE	-	SEE LIGHT FIXTURE SCHEDULE
Ю	INTERIOR SCONCE LIGHT FIXTURE	-	SEE LIGHT FIXTURE SCHEDULE
	WAGON WHEEL LIGHT FIXTURE	-	SEE LIGHT FIXTURE SCHEDULE
	TRACK LIGHT FIXTURE	-	SEE LIGHT FIXTURE SCHEDULE
	LED ROPE LIGHT FIXTURE	-	SEE LIGHT FIXTURE SCHEDULE
	LED TAPE LIGHT FIXTURE	-	SEE LIGHT FIXTURE SCHEDULE
	LED PRIZM LIGHT FIXTURE	-	SEE LIGHT FIXTURE SCHEDULE
	LED INDUSTRIAL LIGHT FIXTURE	-	SEE LIGHT FIXTURE SCHEDULE
	LED EXTERIOR TAPE LIGHT FIXTURE	_	SEE LIGHT FIXTURE SCHEDULE
		I .	

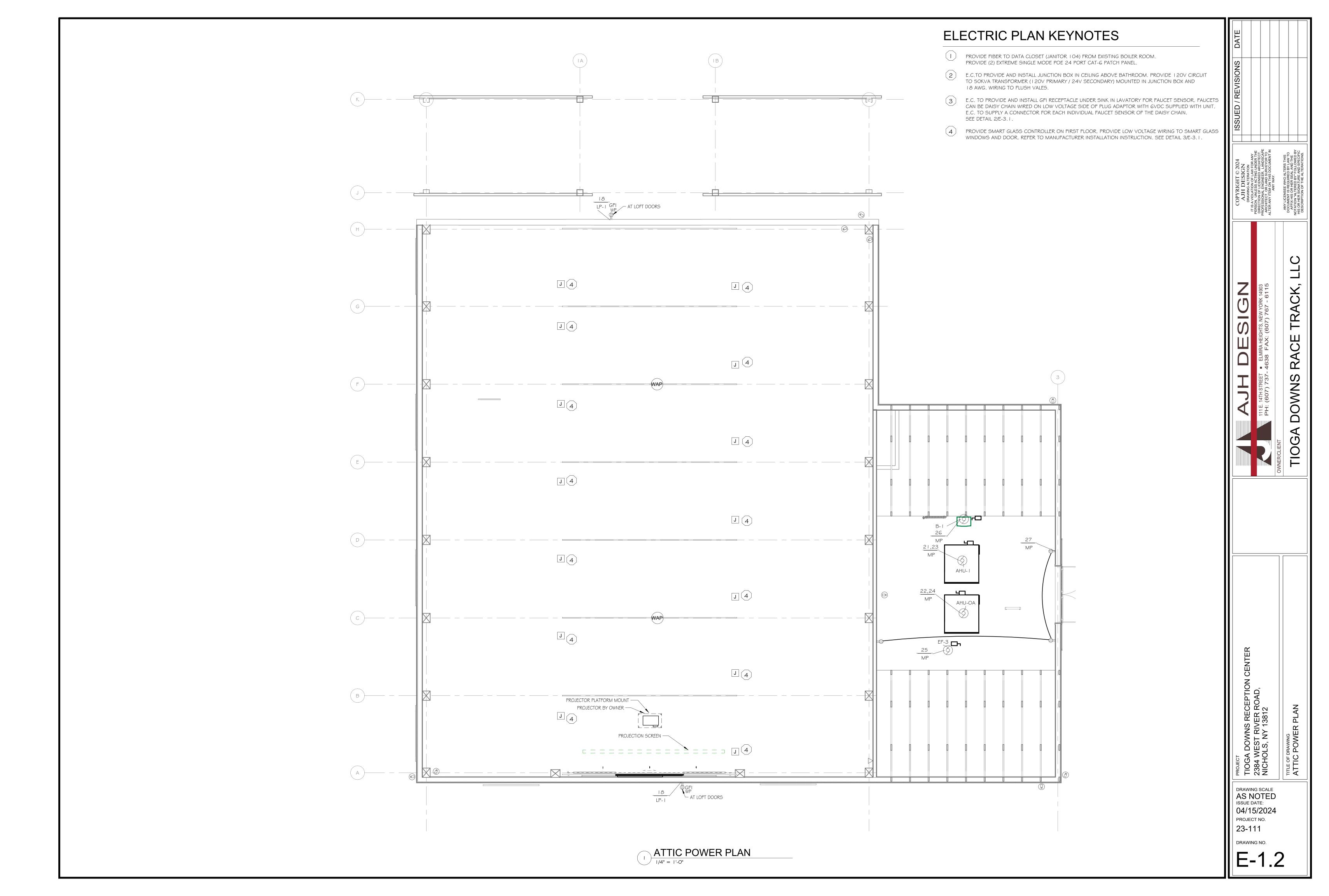
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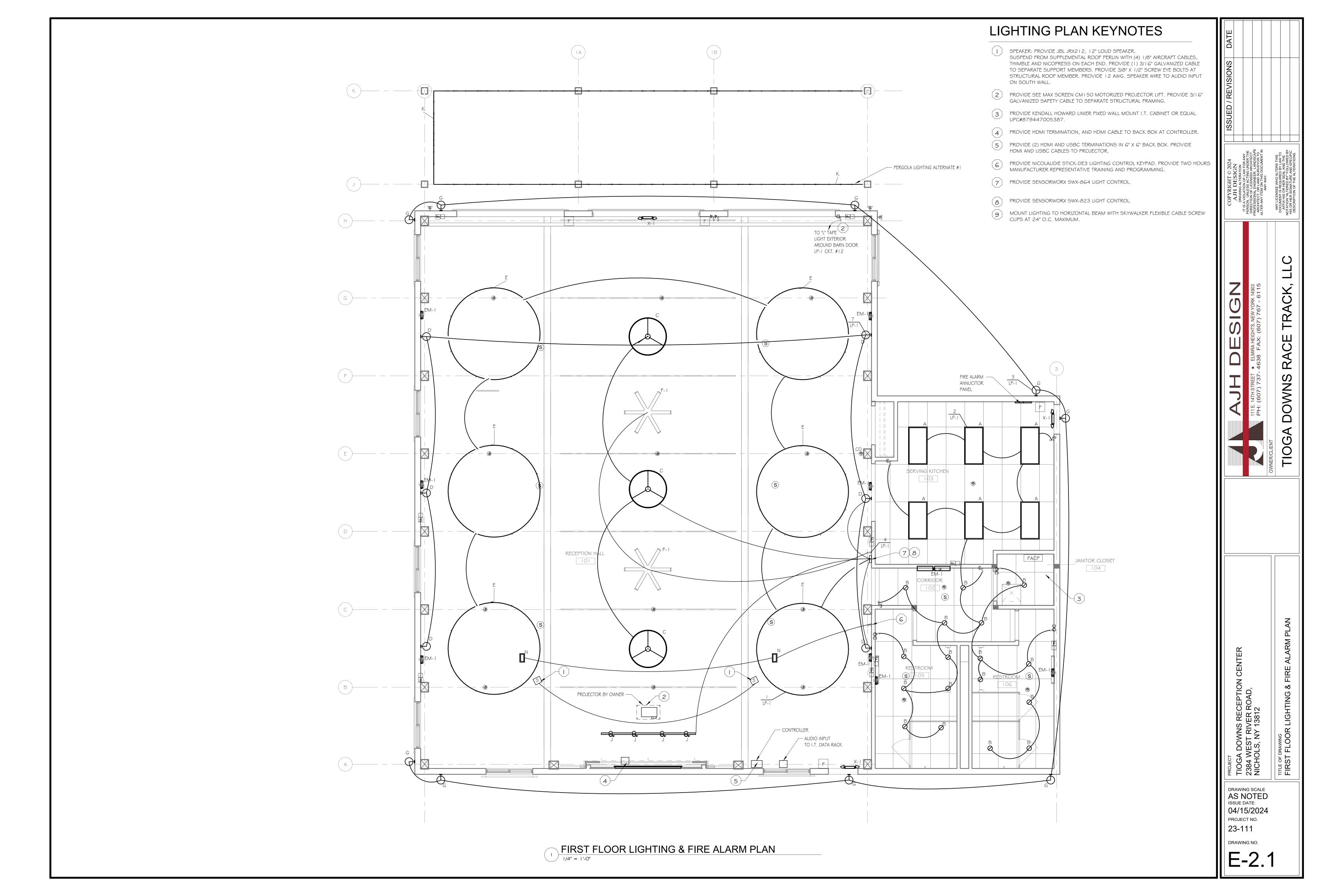
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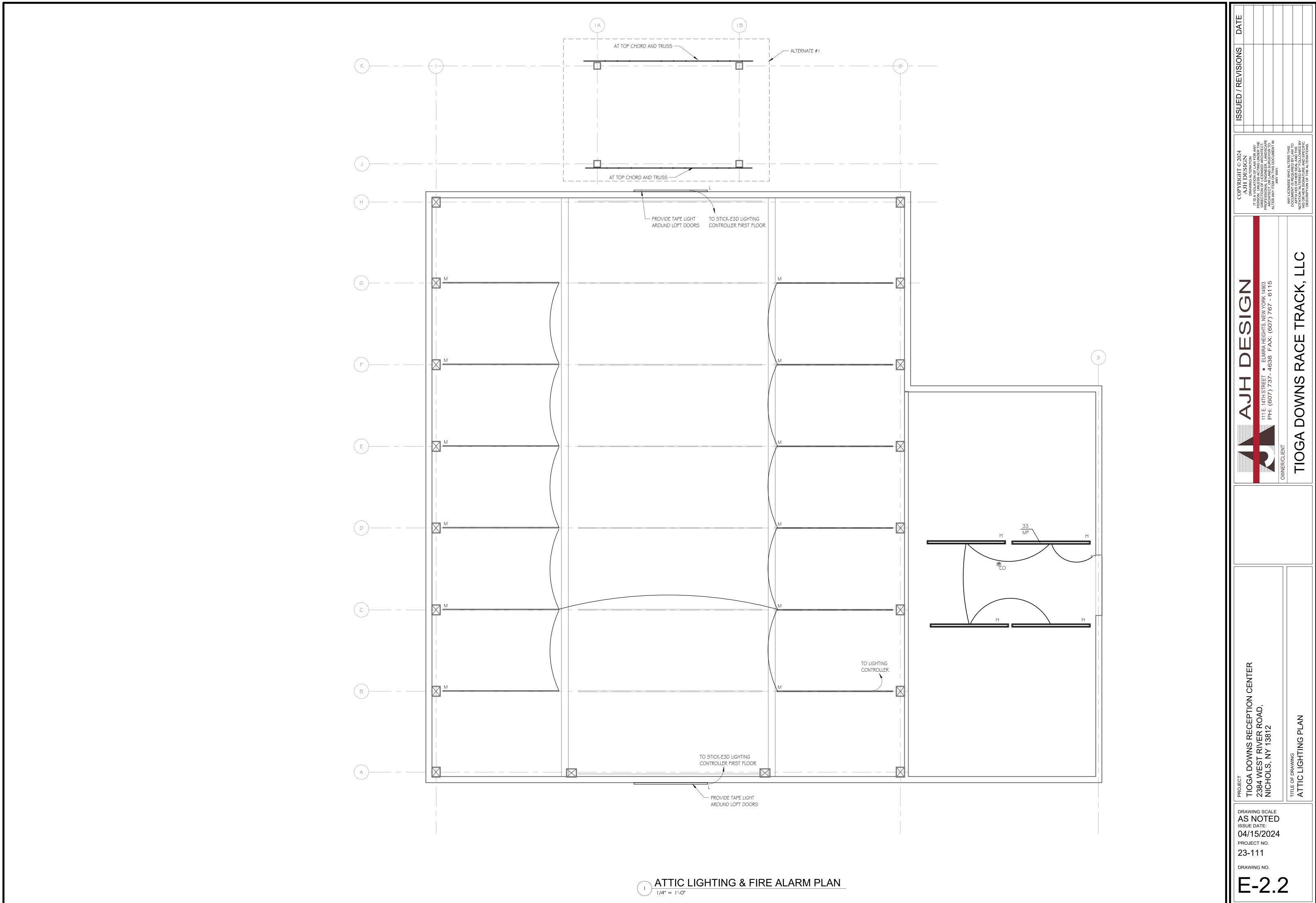
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DRAWING NO.









WIRE AND CONDUIT CHART

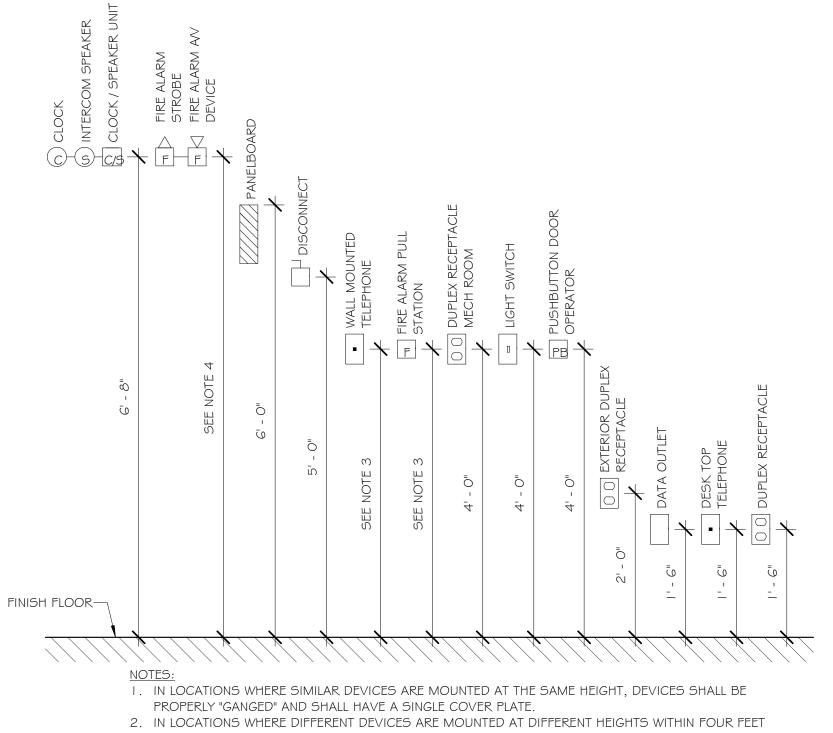
) (ALL WIRING AND CABLE SHALL BE INSTALLED PER CHART UNLESS SPECIFIED THERWISE) IF THERE IS A AMPACITY AND POLE NOT LISTED THE CONTRACTOR IS RESPONSIBLE TO CONTACT ENGINEER DURING BIDDING FOR INFORMATION.

2.) ALL WIRING ABOVE CEILING SPACE OR IN AN EXPOSED AREA TO BE IN CONDUIT OR A METAL SHEATHED CABLE. WIRING CONCEALED WITHIN WOOD FRAMING CAN BE ROMEX

CIRCUIT	WIRE AND CONDUIT
IP 20A	2-#12 THHN CU, 1-#12 THHN CU GND 3/4" CONDUIT
IP 30A	2-#10 THHN CU, 1-#10 THHN CU GND 3/4" CONDUIT
2P 2OA	3-#12 THHN CU, 1-#12 THHN CU GND 3/4" CONDUIT
2P 30A	3-#10 THHN CU, 1-#10 THHN CU GND 3/4" CONDUIT
2P 40A	3-#8 THHN CU, I-#IO THHN CU GND 3/4" CONDUIT
2P 50A	3-#8 THHN CU, I-#IO THHN CU GND 3/4" CONDUIT
3P 20A	4-#12 THHN CU, 1-#12 THHN CU GND 3/4" CONDUIT
3P 30A	4-#10 THHN CU, 1-#10 THHN CU GND 3/4" CONDUIT
3P 40A	4-#8 THHN CU, I-#IO THHN CU GND I" CONDUIT
3P 50A	4-#8 THHN CU, I-#10 THHN CU GND I" CONDUIT
3P 60A	4-#6 THHN CU, I-#10 THHN CU GND I" CONDUIT
3P 80A	4-#3 THHN CU, I-#8 THHN CU GND I-I/4" CONDUIT
3P 100A	4-#3 THHN CU, I-#8 THHN CU GND I-I/2" CONDUIT
3P 200A	4-3/0 THHN CU, 1-#6 THHN CU GND 2-1/2" CONDUIT
3P 225A	4-4/0 THHN CU, 1-#6 THHN CU GND 2-1/2" CONDUIT

WIRE & CONDUIT CHART

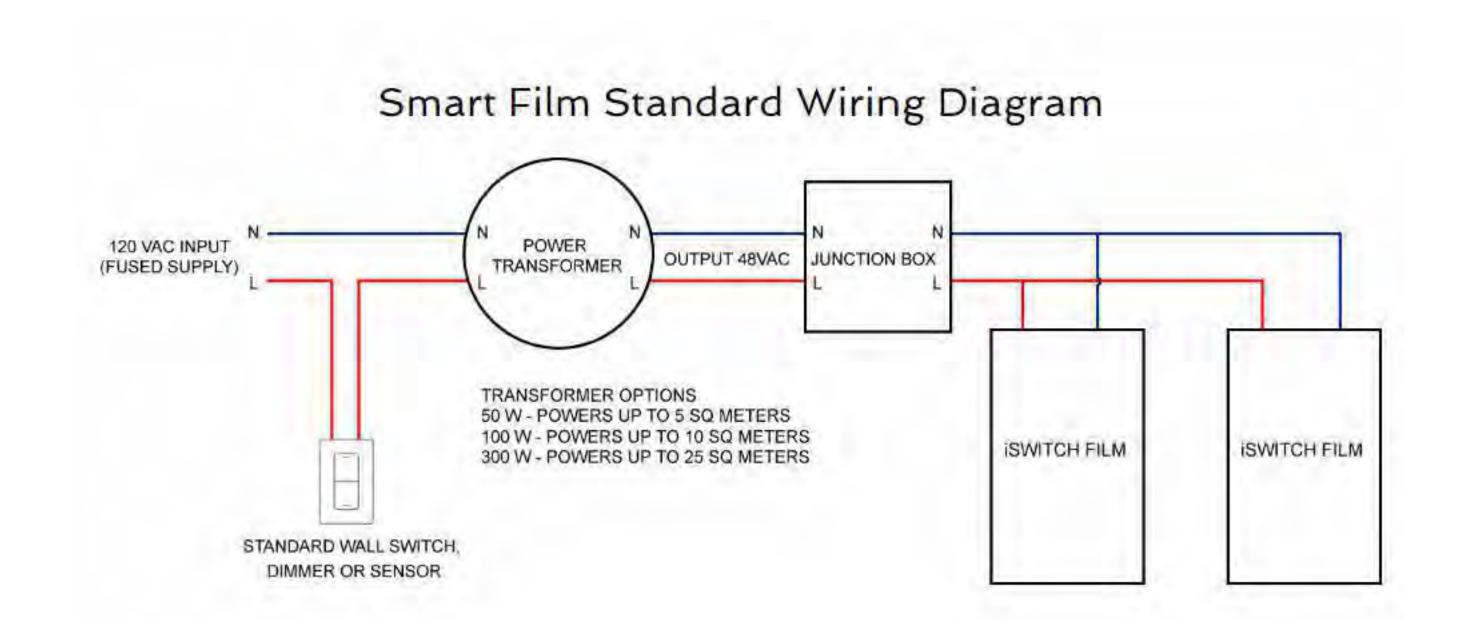
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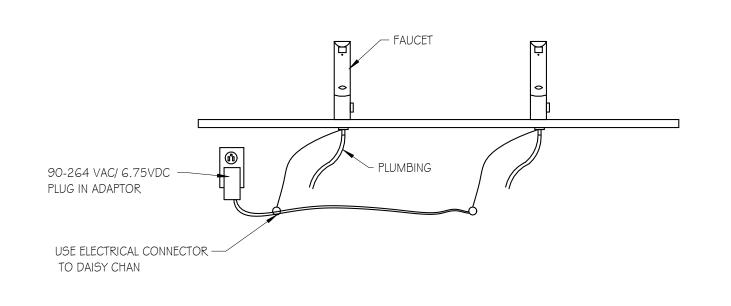


- 2. IN LOCATIONS WHERE DIFFERENT DEVICES ARE MOUNTED AT DIFFERENT HEIGHTS WITHIN FOUR FEET OF ONE ANOTHER, DEVICES SHALL BE MOUNTED SUCH THAT THEY HAVE A COMMON CENTERLINE. IF THERE ARE THREE OR MORE DEVICES THE CONTRACTOR SHALL REQUEST A DETAIL FROM THE
- 3. 4'-6" FOR DEVICES THAT ARE ACCESSIBLE FROM BOTH FRONT AND SIDE OF A WHEELCHAIR, 4'-0" FOR DEVICES ACCESSIBLE FROM FRONT ONLY.
- 4. 80" AFF OR, AT SHALLOW CEILING INSTALLATIONS, WITHIN 6" OF FINISHED CEILING, VERIFY WITH
- 5. 80" AFF OR, AT SHALLOW CEILING INSTALLATIONS, TOP OF UNIT WITHIN 6" OF FINISHED CEILING.

TYPICAL DEVICE MOUNTING ELEVATIONS

N.T.S.





FAUCET WIRING DETAIL

N.T.S.

SMART GLASS CONTROLLER WIRING DIAGRAM
N.T.S.

AS NOTED ISSUE DATE:

04/15/2024

PROJECT NO. 23-111

DRAWING NO.

E-3.1

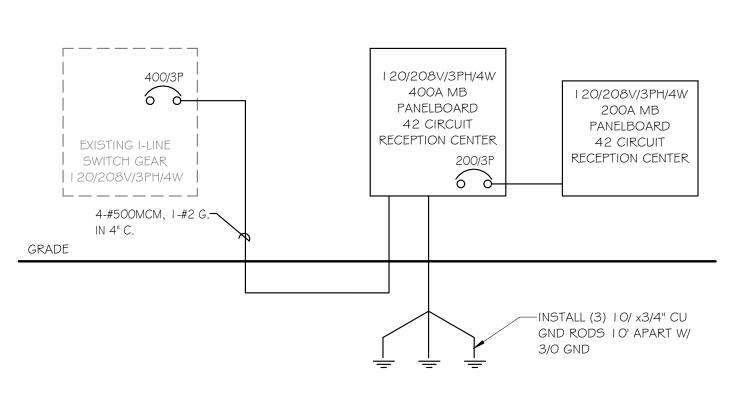
	ELECTRICAL EQUIPMENT SCHEDULE										
TYPE	DESCRIPTION	VOLTAGE	LOAD	PHASE	BREAKER SIZE	PANELI	CIRCUIT NUMBER	WIRE SIZE	DISCONNECT/CONTROL TYPE	COMMENTS	
AHU- I	AIR HANDLING UNIT	208V	4.8A	IPH	20A/2P	MP	21,23	2 #12, 1 #12 G. IN 3/4" C.	30A	PROVIDE DISCONNECT AT/NEAR UNIT.	
AHU-OA	AIR HANDLING UNIT	208V	4.8A	IPH	20A/2P	MP	22,24	2 #12, 1 #12 G. IN 3/4" C.	30A	PROVIDE DISCONNECT AT/NEAR UNIT.	
CB- I	COMBINATION BOILER	120V	5A	IPH	20A/IP	MP	26	2 #12, 1 #12 G. IN 3/4" C.	30A FUSED DISCONNECT	SEE MANUCTURER'S REQUIREMENT FOR ELECTRICAL CONNECTION, FUSE SIZE AND FUSE TYPE	
CR-1	CORD REEL	120V	16A	IPH	20A/IP	LP-I	15	2 #12, 1 #12 G. IN 3/4" C.	N/A	PROVIDE RECEPTACLE AT CEILING TO PLUG IN CORD REEL.	
DW-1	DISHWASHER	208V	46.8A	3PH	50A/3P	MP	2,4,6	3 #8, I #8G IN 3/4" C.	GOA NEMA 3R	PROVIDE DISCONNECT AT/NEAR UNIT.	
EF-I	BATHROOM EXHAUST FAN	120V	14W	IPH	20A/IP	LP-I	2	2 #12, 1 #12 G. IN 3/4" C.	CONNECT TO LIGHT SWITCH IN BATHROOM		
EF-2	BATHROOM EXHAUST FAN	120V	14W	IPH	20A/IP	LP-I	2	2 #12, 1 #12 G. IN 3/4" C.	CONNECT TO LIGHT SWITCH IN BATHROOM		
EF-3	IN-LINE EXHAUST FAN	120V	14A	IPH	20A/IP	MP	25	2 #12, 1 #12 G. IN 3/4" C.	30A	PROVIDE DISCONNECT AT/NEAR UNIT.	
DU-1-2	HVAC INDOOR UNIT	208V	.29A	IPH	20A/2P	MP	28,30	2 #12, 1 #12 G. IN 3/4" C.	30A	PROVIDE DISCONNECT AT/NEAR UNIT.	
DU-1-3	HVAC INDOOR UNIT	208V	.25A	IPH	20A/2P	MP	28,30	2 #12, 1 #12 G. IN 3/4" C.	30A	PROVIDE DISCONNECT AT/NEAR UNIT.	
DU-1-4	HVAC INDOOR UNIT	208V	.25A	IPH	20A/2P	MP	28,30	2 #12, 1 #12 G. IN 3/4" C.	30A	PROVIDE DISCONNECT AT/NEAR UNIT.	
IDU-2-I	HVAC INDOOR UNIT	208V	8.2A	IPH	20A/2P			2 #12, 1 #12 G. IN 3/4" C.	30A	POWERED BY OUTDOOR UNIT. PROVIDE DISCONNECT AT/NEAR UNIT.	
ODU- I	HVAC OUTDOOR UNIT	208V	40A	3PH	60A/3P	MP	1,3,5	3 #8, I #8G IN 3/4" C.	60A	PROVIDE DISCONNECT AT/NEAR UNIT.	
DDU-2	HVAC OUTDOOR UNIT	208V	IIA	IPH	30A/2P	MP	8,10	2 #10, 1 #10 G. IN 3/4" C.	30A	PROVIDE DISCONNECT AT/NEAR UNIT.	
ODU-OA	HVAC OUTDOOR UNIT	208V	31.0A	3PH	45A/3P	MP	7,9,11	3 #8, #8G IN 3/4" C.	60A	PROVIDE DISCONNECT AT/NEAR UNIT.	

	LIGHT FIXTURE SCHEDULE										
TYPE	DESCRIPTION	MANUFACTURER	MODEL	LAMP	COMMENTS						
А	2X4 TROPHER	RAB LIGHTING	#SWISH-2X4-39W-N/MVS	LED							
В	RECESSED CAN	LITHONIA LIGHTING	HALO #HC620D0 0-HM60525835-6 WDH	LED							
С	BODIAM 48 SUSPENSION	VISUAL COMFORT \$ CO.	#F3933/20WOW/AF	LED	MOUNT BOTTOM OF FIXTURE 15' 0"						
D	WALL SCONCE	COLBY LIGHTING	#BLE-W-CBY- 06-LED 6-4000K-FL-NA	LED							
E	ROUND LED LIGHT FIXTURE	EUREKA LIGHTING	4850-120-BLK-HO	LED	MOUNT BOTTOM OF FIXTURE 2' 0"						
EM-I	WALL MOUNT EMERGENCY LIGHT	ACUITY BRAND LIGHTING	ELM2-LED	LED							
F-I	BIG ASS FAN	BIGASSFANS	MK-161-05	LED	PROVIDE BIGASS FAN SWITCHING CONTROLS. PROVIDE 5'-0" MIN. PENDANT ROD.						
G	EXTERIOR WALL SCONCE	CAMMAN LIGHTING	#OW360-20-40K-1-WA-PSB-REM	LED	MOUNT POWER SUPPLY IN CONCEALED LOCATION.						
Н	INDUSTRIAL 8' LED LIGHT FIXTURE	LITHONIA LIGHTING	CSS-L96-ALO4-MVOLT-40K-80CRI	LED	CSS-L96-ALO4-MVOLT-40K-80CRI-IE I OWCPHE (PROVIDE WITH EMERGENCY LIGHT)						
J	HALO POWER TRAC	COOPER LIGHTING	L8 55ML- 0-WW-940-MB	LED	STASIS						
K	BULB STRING LIGHTS	AMERICAN LIGHTING	SPEKTRUM	LED	PERGOLA LIGHTING ALTERNATE # I . ATTACH WITH SKYWALKER FLEXIBLE CABLE SCREW OR EQUAL.						
L	EXTERIOR STRIP LIGHT	FLEXFIRE LED	#IP65-UB-ATI-40K95C-24V	LED	PROVIDE POWER SUPPLY CAEMINI CLEAR COVER WITH ENDS AND CONNECTORSPERIMETER OF LOFT DOORS EXTERIOR.						
М	INTERIOR TAPE LIGHT	NEWTON LIGHTING ENTERPRISES	#NLE-5050X#CN4-24	LED	MOUNT TO TOP OF TRUSS MEMBERS.						
Ν	RGBW LIGHTING	PRIZM LIGHTING	PRIZM #PZM-RFLKT-UNV-WDMX-RGBW- I 2-BK	LED	PROVIDE SENIK REFLEKT WIRELESS CONTROL.						
X- I	DUAL HEAD EXIT/EMERGENCY LIGHT	ACUITY BRAND LIGHTING	LHQM-LED-R-HO-M6	LED							

NOTES:
I. ALL SUSPENDED FIXTURES SHALL UTILIZE TIE WIRE SUSPENSION ANCHORS OR EQUAL.

	LOCATION:	CORRIDO	R 102			VOLTS:	120/2	08 Wye			A.I.C. RATING:	
	SUPPLY FROM:	MP				PHASE:		3			MAINS TYPE: MCB	
	MOUNTING:	Recesse	ed			WIRES:		4			MAINS RATING: 200 A	
	ENCLOSURE:	Type 1									MCB RATING: 200 A	
Circ	Load Na	me	Rating	Numb	A	В		С	Numb	Rating	Load Name	Circ
1	HALL LIGH	TING	20 A	1					1	20 A	BATHROOMS / HALL LIGHTS	2
3	EXTERIOR L	IGHTS	20 A	1					1	20 A	BIG ASS FANS	4
5	EMERGENCT / E	XIT LIGHTS	20 A	1					1	20 A	PERGOLA RECPT./LGHTS ALATERNA.	6
7	HALL LIGH	TING	20 A	1					1	20 A	SITE LIGHTING (BOLLARDS)	8
9	SPEAKER P	OWER	20 A	1					1	20 A	POLE LIGHTS	10
11	SPEAKER P	OWER	20 A	1					1	20 A	SOUND SYSTEM	12
13	SMART GLASS CO	ONTROLLER	20 A	1					1	20 A	KITCHEN RECEPTACLES	14
15	KITCHEN CORD REEL	GFI RECEPTACL	20 A	1					1	20 A	UNDER SINK GFI RECEPT./J-BOX	16
17									1	20 A	LOFT DOOR RECEPTACLES	18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
Lo	oad Classification											

	BRAN	NCH PA	NEL	_		M	Ρ							
	LOCATION:	CORRIDOR						20/208 Wye		A.I.C. RATING:				
SUPPLY FROM: MOUNTING: Recessed					PHASE: WIRES:			3 4			MAINS TYPE: N MAINS RATING: 4			
			ed											
	ENCLOSURE:	Type 1									MCB RATING:	400 A		
Circ	Load Na			Numb	Α	В	3	С	_	. Rating	Load Name		Circ	
1	OUTDOOR HVAC	UNIT (ODU-1)	60 A	3					3	50 A	DISH	WASHER	2	
3													4	
5													6	
7	OUTDOOR HVAC L	JNIT (ODU-OA)	45 A	3					2	30 A	OUTDOOR HV	AC UNIT (ODU-2-1)	8	
9													10	
11									1	20 A		CLES AT PANEL	12	
13	KITCHEN WARMER		20 A	1					1	20 A		MER RECEPTACLE	14	
15	KITCHEN/OUTDOOF		20 A	1					1	20 A		OGE RECEPTACLE	16	
17	KITCHEN ICE		20 A 20 A	1					1	20 A		JNTAIN/ HALLWAY	18	
19		RESTROOM 106		1					1	20 A	RESTROOM 105		20	
21	AIR HANDLER (AHU-1)		20 A	2					2	20 A	AIR HANDLER (AHU-OA)		22	
23													24	
25		EF-3		1					1	20 A	BIOLER (B-1)		26	
27	MEZZANINE RECEPTACLES		20 A 20 A	1					2	20 A	IDU-1-2, IDU-1-3, IDU-1-4		28	
29		HALL RECEPTACLES		1									30	
31	HALL RECEPTACLES		20 A 20 A	1					1	20 A		OR RECEPTACLES	32	
33		JANITOR ROOM RECEPTACLE		1					3	200 A	LP-1	(PANEL)	34	
35	RECEPTACL	ES POE	20 A	1									36	
37	RECEPTACL	ES POE	20 A	1									38	
39													40	
41													42	
								<u> </u>						
1.0	ad Classification													
LU	au Ciassilicativii													



POWER ONE LINE DIAGRAM

N.T.S.

PROJECT
TIOGA DOWNS RECEPTION CENTER
2384 WEST RIVER ROAD,
NICHOLS, NY 13812

DRAWING SCALE
AS NOTED
ISSUE DATE: 04/15/2024 PROJECT NO. 23-111

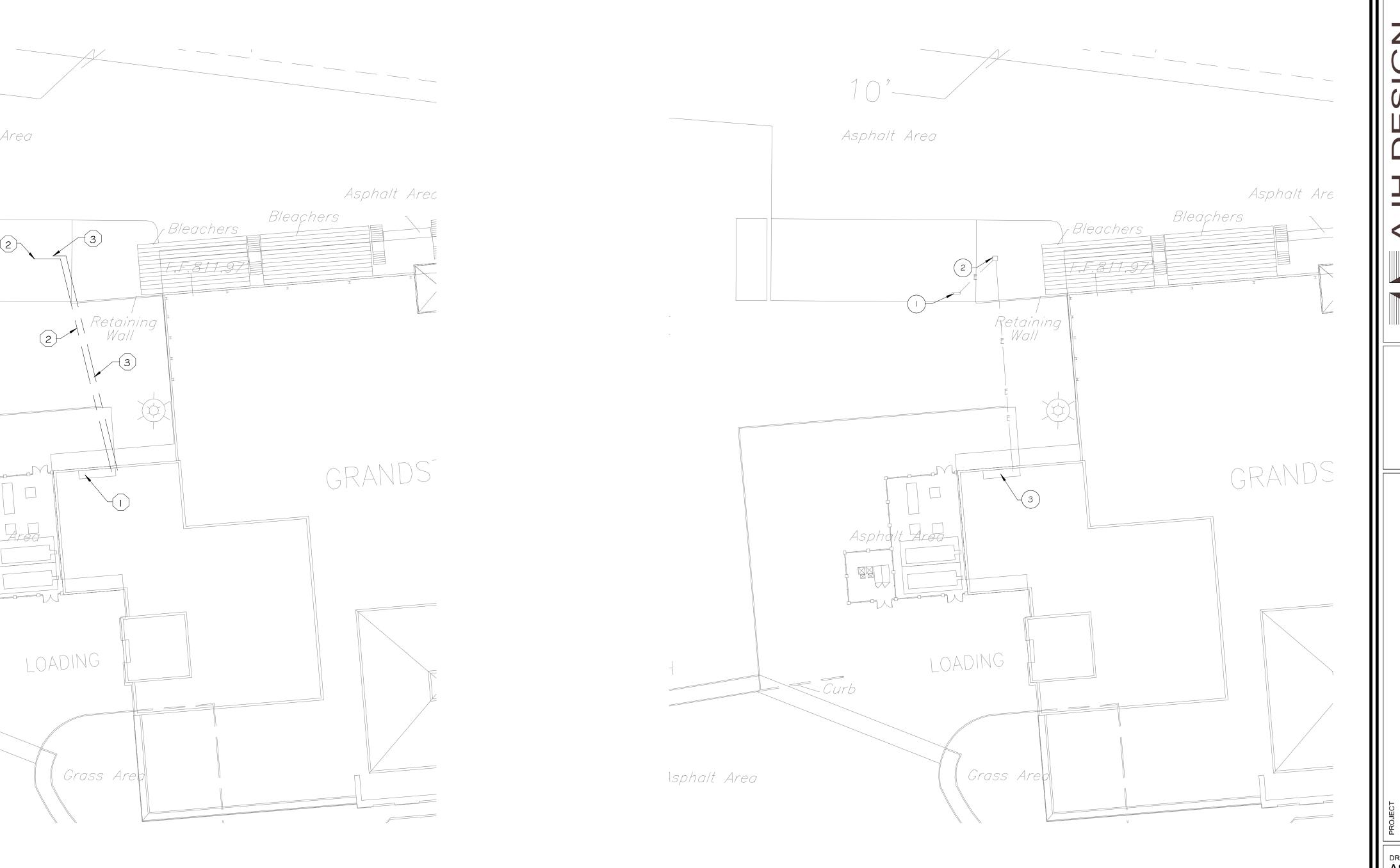
DRAWING NO.

ELECTRIC SITE DEMOLITION PLAN KEYNOTES

- REMOVE PANEL BOARDS, LOAD SIDE CONDUITS/DEVICES, AND PEDESTAL. REMOVE LINE SIDE CONDUITS BACK TO BLOCK WALL. REMOVE LINE SIDE WIRES BACK TO HANDHOLE. SEE DEMO NOTE #2.
- 2 CUT CABLES AND PROVIDE WATERPROOF CAP. PROVIDE LABEL ON SPARE CABLES. CABLES AND CONDUIT FROM HANDHOLE TO DISTRIBUTION PANEL IN BUILDING SHALL REMAIN. SEE DEMO NOTE #3.
- REMOVE 100A, 3 POLE BREAKER IN I-LINE DISTRIBUTION SWITCH GEAR. LABEL WIRES AS "SPARE TO HANDHOLE AT PAD BELOW".

ELECTRIC SITE PLAN KEYNOTES

- INSTALL 400A, 3P CIRCUIT BREAKER IN I-LINE SWITCHGEAR.
- UNDERGROUND ELECTRIC TO RECEPTION CENTER. SEE ONE-LINE. PROVIDE (I) SPARE 2 1/2" CONDUIT, AND STUB UP NEXT TO PANELBOARD IN CORRIDOR 102 RECEPTION CENTER.
- PROVIDE 2 1/2" CONDUIT WITH FIBER FEED TO JANITOR 104.





LOADING

Asphalt Area

Aspha

Isphalt Area

ELECTRICAL SITE PLAN - DEMOLITION

| " = 30'-0"

DRAWING NO.

E-5.1

DRAWING SCALE
AS NOTED
ISSUE DATE:
04/15/2024
PROJECT NO. 23-111