RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE **100 PRISCILLA D. THOMAS WAY**

SAVANNAH, GA 31408





CIVIL

MOFFATT & NICHOL 2 E Bryan Street Suite 501 Savannah, GA 31401 tel: 912.231.0044 email: czuck@moffattnichol.com



LANDSCAPE

CLH DESIGN, P.A. 400 Regency Forest Dr Suite 120 Cary, NC 27518 tel: 919.319.6716 email: chilt@clhdesignpa.com



STRUCTURAL

THARPE ENGINEERING GROUP 1020 Drayton St Savannah, GA 31401 tel: 912.349.7603 email: cody@tharpeengineering.com



ARCHITECTURAL

LS3P ASSOCIATES LTD. 321 W Congress St Suite 301 Savannah, GA 31401 tel: 912.298.2102 email: aprilmundy@ls3p.com





BID SET 05/12/2023 5201-192070





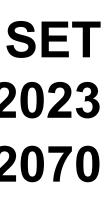
DULOHERY WEEKS 7402 Hodgson Memorial Drive Suite 100 Savannah, GA 31406 tel: 912.355.0235 email: JSwails@dulohery.com



STADIUM DESIGN

CHA 7 E Congress St Suite 306 Savannah, GA 31401 tel: 912.335.8366 email: PGraham@chacompanies.com





RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE **100 PRISCILLA D. THOMAS WAY**

D

SAVANNAH, GA 31408 SHEET INDEX SET E GENERAL SHEET NO. SHT REV SHT REV DATE SHEET NAME **REVISION DESCRIPTION** G-001 INDEX SHEET G-002 PROJECT INFORMATION SHEET G-100 U.L. DETAILS G-101 U.L. DETAILS G-102 DETAILS - FIRE RATED/ LIFE SAFETY G-103 DETAILS - FIRE RATED/ LIFE SAFETY G-104 LIFE SAFETY PLANS MOFFATT & NICHOL 2 E BRYAN ST, SUITE 501 CIVIL SET- A2 SAVANNAH, GA 31401 tel: 912.231.0044 email: czuck@moffattnichol.cor

LANDSCAPE

STRUCTURAL

email: bsapp@tharpeengineering.com SHEET NO. SHEET NAME S-071 STRUCTURAL NOTES S-072 STRUCTURAL NOTES S-171 DUGOUT & CONCESSION FOUNDATION PLANS S-172 DUGOUT & CONCESSION FRAMING PLANS S-271 FOUNDATION DETAILS S-272 FOUNDATION DETAILS S-371 MASONRY & FRAMING DETAILS S-373 MASONRY & FRAMING DETAILS S-374 MASONRY & FRAMING DETAILS S-471 STAIR PLANS & DETAILS

ARCHITECTURAL

A-001 ARCHITECTURAL SITE PLAN

SHEET

NO.

С

LS3P 321 W. CONGRESS ST, SUITE 301 SAVANNAH, GA 31401 tel: 704.333.6686 email: aprilmundy@ls3p.com SHT REV SHT REV SHEET NAME NO. DATE REVISION DESCRIPTION

CLH DESIGN, P.A.

CARY, NC 27518 tel: 919.319.6716

email: chilt@clhdesignpa.com

SAVANNAH, GA 31401 tel: 912.349.7603

THARPE ENGINEERING GROUP 321 W CONGRESS ST, SUITE 301C

SHT REV SHT REV

400 REGENCY FOREST DR, SUITE 120

SET- A2

NO. DATE REVISION DESCRIPTION

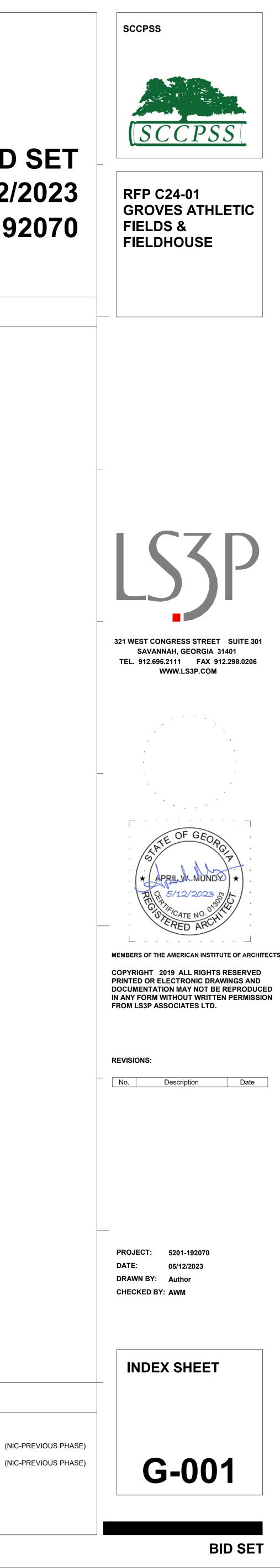
A-003	ARCHITECTURAL SITE PLAN - SOUTH		
A-004	CONSTRUCTION SUBSYSTEMS		
A-005	CONSTRUCTION SUBSYSTEMS CONT.		
A-006	PARTITION TYPES		
A-101	BASEBALL RESTROOMS AND CONCESSION PLANS		
A-102	PRESSBOX PLANS		
A-103	DUGOUT PLANS		
A-201	BASEBALL RESTROOMS & CONCESSIONS ELEVATIONS AND SECTIONS		
A-202	PRESSBOX ELEVATIONS AND SECTIONS		
A-203	DUGOUT ELEVATIONS AND SECTIONS		
A-301	WALL SECTIONS		
A-401	RESTROOM ELEVATIONS		
A-501	SECTION DETAILS		
A-600	DOOR AND FRAME SCHEDULE, LEGEND, AND DETAILS		
A-601	SIGNAGE ELEVATIONS		
A-700	FINISH LEGEND, CASEWORK AND FINISH SCHEDULES		
A-701	FINISH PLANS		

PI I	JMBING	DULOHERY WEEF 7402 HODGSON M SAVANNAH, GA 3	IEMORIAL	DR, SUITE	100
▏╹┗━╰		tel: 912.355.0235	lahan (aam		
SHEET		email: JSwails@du	SHT REV		
NO.	SHEET NAME		NO.	DATE	REVISION DESCRIPTION
	BASEBALL RESTROOMS AND CONCESSION	S PLUMBING			
	PLANS				
P-102	PRESSBOX & CONCESSIONS PLUMBING PL	ANS			
		DULOHERY WEEK	<s< td=""><td></td><td></td></s<>		
ME	CHANICAL	7402 HODGSON M SAVANNAH, GA 3 tel: 912.355.0235 email: JSwails@du	1EMORIAL 1406		: 100
SHEET			SHT REV		
NO.	SHEET NAME		NO.	DATE	REVISION DESCRIPTION
M-101	MECHANICAL LEGEND & SCHEDULES BASEBALL RESTROOMS & CONCESSIONS M PLANS	IECHANICAL			
	PRESSBOX MECHANICAL PLANS				
	DUGOUT MECHANICAL PLANS				
M-201	MECHANICAL DETAILS				
	ECTRICAL	DULOHERY WEEK 7402 HODGSON M SAVANNAH, GA 3 tel: 912.355.0235 email: JSwails@du	IEMORIAL 1406 Iohery.com		: 100
SHEET			SHT REV		
NO.			NO.	DATE	REVISION DESCRIPTION
	ELECTRICAL SITE PLAN				
	ELECTRICAL SITE PLAN - CONCESSIONS & I				
	BASEBALL RESTROOMS AND CONCESSION PLANS	S ELEC [RICAL			
	PLANS PRESSBOX & CONCESSIONS ELECTRICAL F				
		ZAN5			
E-103	DUGOUT ELECTRICAL PLANS				
SHEET	ADIUM DESIGN	7 E CONGRESS S SAVANNAH, GA 3 tel: 912.335.8366 email: PGraham@o	1401 chacompan		/
NO.	SHEET NAME		NO.	DATE	REVISION DESCRIPTION
SR-100	OVERALL SPORTS FIELD LAYOUT PLAN				
SR-102	SOCCER FIELD AND TENNIS LAYOUT				
SR-111	BASEBALL FIELD LAYOUT PLAN				
SR-112	SOFTBALL AND YOUTH BASEBALL FIELD L	AYOUT PLAN			
SR-200	OVERALL SPORTS FIELD GRADING PLAN				
SR-202	SOCCER FIELD AND TENNIS GRADING PLA	N			
SR-211	BASEBALL FIELD GRADING PLAN				
SR-212	SOFTBALL AND YOUTH BASEBALL FIELD G	RADING PLAN			
SR-300	OVERALL SPORTS FIELD DRAINAGE PLAN				
SR-302	SOCCER FIELD AND TENNIS DRAINAGE PL	AN			
SR-311	BASEBALL FIELD DRAINAGE PLAN				
SR-312	SOFTBALL AND YOUTH BASEBALL DRAINA	GE PLAN			
SR-500	OVERALL SPORTS FIELD UTILITY AND IRRI				
SR-502	SOCCER FIELD AND TENNIS IRRIGATION P				
SR-511	BASEBALL FIELD IRRIGATION PLAN				
SR-512	SOFTBALL AND YOUTH BASEBALL IRRIGAT	TION PLAN			
SR-610	SPORTS DETAILS				
SR-611	SPORTS DETAILS				
SR-612	SPORTS DETAILS				
SR-613	SPORTS DETAILS				
SR-614	SPORTS DETAILS				
SR-615	SPORTS DETAILS				
SR-616	SPORTS DETAILS				
SR-617	SPORTS DETAILS				
SR-618	SPORTS DETAILS				
SR-619	SPORTS DETAILS				
SR-790	DUGOUT PLAN, SECTION AND ELEVATIONS	S			
SR-791	PRESS BOX AND DUGOUT PLAN, SECTION				
SR-807	DUGOUT PLANS				
SR-808	FOUNDATION, SECTION, AND DETAILS				
SR-810	FRAMING SECTIONS AND DETAILS				
SE-001	ELECTRICAL LEGEND, ABBREVIATIONS & S	SYMBOLS			
SE-002	OVERALL ELECTRICAL SITE LAYOUT	-			
SE-102	SOCCER FIELD ELECTRICAL SITE PLAN				+
SE-102	BASEBALL FIELD ELECTRICAL PLAN				+
SE-103	YOUTH FIELD ELECTRICAL PLAN				+
SE-104	SOFTBALL FIELD ELECTRICAL SITE PLAN				+
SE-204	DUGOUT ELECTRICAL AND LIGHTING PLAN	IS			+
SE-602	ELECTRICAL ONE-LINE DIAGRAM FIELDS				+
SE-603	PANELBOARD SCHEDULES STADIUM				+
SE-604	PANELBOARD SCHEDULES STADIOM				+
SE-605	ELECTRICAL DETAILS				
22 000					1

BID SET 05/12/2023 5201-192070

DRAWING SET LEGEND

SET A2 - CIVIL/LANDSCAPE SET B - K-12 BUILDING SET C - MULTI-MEDIA BUILDING (NIC-PREVIOUS PHASE) SET D2 - FIELDHOUSE/STADIUM SET E2 - ATHLETICS



RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE

100 PRISCILLA D. THOMAS WAY SAVANNAH, GA 31408

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D

С

B

Α

LEVEL 1 - DISCIPLINE DESIGNATORS G GENERAL

C CIVIL L LANDSCAPE

S STRUCTURAL A ARCHITECTURAL QF FOOD SERVICE

FACILITY (CAPACITY	ΜΑΤΕ				5 - 24 ⁵ 1 - 27 - 27	PLASTER, CEMENT,			
PLUMBING FIXT	URE CRITERIA				STEEL, IRON		SAND, GROUT			WOOD BLO
	AVS URINALS W.C.						INSULATION	ELE\	VATION	
INEMBER MEN TOTAL 2 FIXTURES REQUIRED 2	WOMEN MEN WOMEN 2 - 4 6		POROUS FILL (STONE OR GRAVEL)		WOOD (ROUGH)		EXTRUDED POLYSTYR	ENE		BRICK
TOTAL BATTERY 4	4 4 5 9		LIGHTWEIGHT CONCRET (OR CONCRETE FILL)	E	PLYWOOD		GYPSUM WALLBOARD			CONCRET PLASTER
WATER COOLER		4 4	STRUCTURAL CONCRET (CAST IN PLACE, ETC.)	E	BRICK (COMMON OR FACE	E)	CONC. MASONRY UNITS (C.M.U.)			GLASS
MEMBERSHIP: 441		GRAP	HIC SYMBOL LEC	GEND						
REQUIRED	PROVIDED		COLUMN GRID REFERENCE		REVISION INDICATION	C	ENTERLINE SECTION K	(EYS		
1	2					NUMBER	Ę		CTION OF FION DING SECTIO	
PLUMBING FIXTURE COUNTS CALC OCCUPANTS + 13 OCCUPANTS OF		DRAWING TITLE			AREA REVISED		NSION INDICATOR		HEET GRID	
			ORAWING LOCATION ON SH ORAWING NAME	IEET GRID			A-201			
		I (A1)—	"= 1'-0"			FLOOR EL		LOCA	ATION OF SE	ECTION
						<u> </u>	0'-0"	WALL SHEE	L SECTION L ET GRID	SECTION LOCATION ON
		р	ORAWING LOCATION ON SH ORAWING NAME	IEET GRID	GLASS TYPE SUBSYS	TEM ROOM	M NAME & NUMBER			
					~			SHEE LOCA	ET IDENTIFIE	ER FOR
			SHEET NUMBER WHERE DE SHEET NUMBER WHERE DE				ELEVATION N ON SHEET GRID		ATION LOC	CATION ON SH
		DETAIL/PLAN	I KEY / DETAIL LOCATION ON SHEE	T GRID		A1 A101				
			TERMINATION OF SECTION						ATION OF EL	
		A1 A-201				CATION OF DE	TAIL			
			EVIATIONS							
				EWC	ELECTRIC WATER COOLER	MAX	MAXIMUM	SD	STORM	DRAIN
		ADMIN	ADMINISTRATION ABOVE FINISHED FLOOR	EXP JT EXT	EXPANSION JOINT EXTERIOR	MECH	MECHANICAL MEZZANINE	SECT SF	SECTIOI SQUARE	N E FEET
		ALUM	ALTERNATE ALUMINUM	F/F FD	FACE TO FACE FLOOR DRAIN	MFG MFR	MANUFACTURING MANUFACTURER	SIM SPEC	SIMILAR SPECIFI	ICATION
		AUTO	ARCHITECT(URAL) AUTOMATIC AUXILIARY	FE FEC FF EL	FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FLOOR ELEVATION	MIN MO MR	MINIMUM MASONRY OPENING MOISTURE RESISTANT	SPKR SQ SS	SPEAKE SQUARE STAINI F	
		AV	AUDIOVISUAL BITUMINOUS	FHC FIN FLR	FIRE HOSE CABINET FINISHED FLOOR	MTD MTG	MOUNTED MOUNTING	STD STOR	STANDA	ARD
		BL	BUILDING LINE BULL NOSE	FLR FOC	FLOOR, FILLER FACE OF CURB	MTL N	METAL NORTH	SUSP SYS	SUSPEN SYSTEN	NDED
		BOT	BOTTOM OF STEEL BOTTOM	FOF FOM	FACE OF FINISH FACE OF MASONRY	NIC NOM	NOT IN CONTRACT NOMINAL	T TEL	TREAD TELEPH	HONE
			CABINET CONTROL JOINT	FOS FOW	FACE OF SLAB FACE OF WALL	NON COMB	NON-COMBUSTIBLE	TEMP TFF	TEMPOF TOP OF	RARY FFINISH FLOO
		CL CLG	CENTER LINE CEILING	FT FTG	FOOT, FEET FOOTING	NTS OC	NOT TO SCALE ON CENTER	THK THRU	THICKNI THROUC	
			CEILING HEIGHT CLOSET	FURN GA	FURNISH, FURNITURE GAGE	OD OPP	OUTSIDE DIAMETER OPPOSITE	ТО ТОВ	TOP OF TOP OF	
			CLEAR(ANCE) CONCRETE MASONRY UNIT	GALV GC	GALVANIZED GENERAL CONTRACTOR	OPT PCF	OPTION(AL) POUNDS PER CUBIC FEET	TOC TOF		CONCRETE, (FOOTING
		COL	COLUMN CONCRETE	GYP BD	GYPSUM BOARD GYPSUM PLASTER	PLAM PLF	PLASTIC LAMINATE POUNDS PER LINEAR FEET	TOJ TOM	TOP OF	
		CONF	CONFERENCE CONTINUE. CONTINUOUS	HC	HANDICAP HEAVY DUTY	PLYWD PNL	PLYWOOD PANEL	TOP TOS		PARAPET
		CORR	CORRIDOR	HD HDWD	HARDWOOD	PR PREFAB	PAIR PREFABRICATED	TOW	TOP OF	WALL
		CU YD	CUBIC FOOT CUBIC YARD	HDWR HM	HARDWARE HOLLOW METAL	PREFIN	PREFINISH	TRTD TV	TREATE	SION
		DEPT	DEMOLISH DEPARTMENT	HORIZ HT	HORIZONTAL HEIGHT	PRKG PSF PSI	PARKING POUNDS PER SQUARE FOOT	TYP UL		WRITERS
		DF	DETAIL DRINKING FOUNTAIN	HVAC	HEATING, VENTILATION & AIR CONDITIONING	PSI PT	POUNDS PER SQUARE INCH PAINT, POST-TENSIONED, PRE-TREATED		UNLESS	ATORIES S NOTED OTH
		DIAG	DIAMETER DIAGONAL	ID INCL	INSIDE DIAMETER INCLUDE(D), (ING)	PVC	PRE-TREATED POLYVINYL CHLORIDE (PLASTIC)	VERT VEST	VERTIC/ VESTIBL	ULE
			DIMENSION DIVISION	INFO INSUL	INFORMATION INSULATION	QTR	QUARTER	VIF W	WEST, V	´ IN FIELD WIDE
		DS	DOWNSPOUT EAST	INT JAN CLO	INTERIOR JANITOR CLOSET	QTY R	QUANTITY RADIUS, RISER	W/ W/O	WITH WITHOU	JT
		EA	EACH EXTERIOR INSULATION &	KIT KO	KITCHEN KNOCKOUT	RCP RD	REFLECTED CEILING PLAN ROOF DRAIN	W/W WC	WALL TO WATER	
			FINISH SYSTEM EXPANSION JOINT	LAB	LABORATORY	REF REQD	REFRIGERATOR, REFERENCE REQUIRED	WD WP	WOOD	NG POINT,
		EL	ELEVATION ELECTRIC(AL)	LAU LAV	LAUNDRY LAVATORY	RL RM	ROOF LEADER ROOM	WR	WATER	REPELLENT
		ELEV	ELEVATOR ENCLOSE(D)	LF LVR	LINEAR FEET LOUVER	RO ROW	ROUGH OPENING RIGHT OF WAY	WT WWF	WEIGHT	
		EOS	EDGE OF SLAB EQUAL	MAINT MATL	MAINTENANCE MATERIAL	S SC	SOUTH SOLID CORE	YD	YARD	
ATHLETIC BUIL FOOTAGE							AREA N	IAP		
BASEBALL RESTROOMS/CONCESS	SIONS: <u>1,491 SQ. FT.</u>		Mercer Middle School	H				Onsion Island Island	$\mathbf{s} = \mathbf{s} - \mathbf{s}$ $= \mathbf{s} - \mathbf{s}$	
PRESS BOX/CONCESSIONS (2):	<u>572 SQ. FT.</u>		Segment .	21			PORT WENTWORTH JUNCTION Seveneeth Hilling	ORT	14 = 28 = 24 - 25 - 26	$ \begin{aligned} & \int dx = x = x = x \\ & dx = x = x = x \\ & dx = x = x = x \\ & dx = x = x = x \end{aligned} $

FACILITY CAPACITY	MATERIAL LEGEND	NOT ALL MATERIALS APPLICABLE)	۱۹۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ ۱۹۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰	PLASTER, CEMENT,		
PLUMBING FIXTURE CRITERIA	PLAN AND SECTION	STEEL, IRON		SAND, GROUT		WOOD BLO
LAVS URINALS W.C.		ALUMINUM		BATT/LOOSE FILL INSULATION	ELEVA	
MEMBERSHIP: 473MENWOMENMENWOMENTOTAL22-46	POROUS FILL (STONE OR GRAVEL)	WOOD (ROUGH	1)	EXTRUDED POLYSTYREN	Ξ	BRICK
FIXTURES REQUIRED2244459TOTAL BATTERY FIXTURES PROVIDED44459	LIGHTWEIGHT CONCRET (OR CONCRETE FILL)	E PLYWOOD		GYPSUM WALLBOARD		CONCRETI PLASTER /
WATER COOLER REQUIREMENTS	STRUCTURAL CONCRETI (CAST IN PLACE, ETC.)	E BRICK (COMMON OR I	FACE)	CONC. MASONRY UNITS (C.M.U.)		GLASS
MEMBERSHIP: 441	GRAPHIC SYMBOL LEC	GEND				
REQUIRED PROVIDED		REVISION INDICATION	-	ERLINE SECTION KEY	'S — DIRECTI	
1 2		<u>/1</u> 5		Ê	SECTIOI	
PLUMBING FIXTURE COUNTS CALCULATED BASED ON 460 BLEACHER OCCUPANTS + 13 OCCUPANTS OF ATHLETIC OUTBUILDINGS.	DRAWING LOCATION ON SH	AREA REVISED EET GRID	TYPICAL DIMENSIC			
		DOOR NUMBER	FLOOR ELEVA			IDENTIFIER FOR ON OF SECTION
	1/8" = 1'-0" DRAWING SCALE		<u>FLOOR ELEVA</u> <u>1ST FLOC</u> 0'-		— DIRECTI — WALL SI	ION OF SECTION ECTION LOCATION ON
	DRAWING LOCATION ON SH	EET GRID GLASS TYPE SUB			SHEET	
	A1 PLAN		W1	A-201		IATION OF SECTION
	DRAWING SCALE SHEET NUMBER WHERE DE			ELEVATION K		ON OF SECTION
	DETAIL/PLAN KEY	TAIL IS REFERENCED	DETAIL LOCATION ON	A1		TION LOCATION ON SHE
	DETAIL LOCATION ON SHEET TERMINATION OF SECTION	,	A101	A-201	LOCATIO	ON OF ELEVATION
	A1 A-201 SHEET IDENTIFIER FOR		SHEET IDENTIFIER FO LOCATION OF DETAIL	R		ION OF ELEVATION
	ABBREVIATIONS	EWC ELECTRIC WATER COOLER	R MAX MA	AXIMUM	SD	STORM DRAIN
	A/CAIR CONDITION(ING)ADMINADMINISTRATIONAFFABOVE FINISHED FLOOR	EXP JT EXPANSION JOINT EXT EXTERIOR	MECH ME	ECHANICAL EZZANINE	SECT SF	SECTION SQUARE FEET
	ALT ALTERNATE ALUM ALUMINUM ARCH ARCHITECT(URAL)	F/FFACE TO FACEFDFLOOR DRAINFEFIRE EXTINGUISHER	MFR MA	NUFACTURING NUFACTURER NIMUM	SIM SPEC SPKR	SIMILAR SPECIFICATION SPEAKER
	AUTO AUTOMATIC AUX AUXILIARY	FEC FIRE EXTINGUISHER CABIN FF EL FINISH FLOOR ELEVATION	IET MO MA	ASONRY OPENING DISTURE RESISTANT		SQUARE STAINLESS STEEL
	AVAUDIOVISUALBITUMBITUMINOUSBLBUILDING LINE	FHCFIRE HOSE CABINETFIN FLRFINISHED FLOORFLRFLOOR, FILLER	MTG MC	DUNTED DUNTING ETAL	STD STOR SUSP	STANDARD STORAGE SUSPENDED
	BN BULL NOSE BOS BOTTOM OF STEEL	FOC FACE OF CURB FOF FACE OF FINISH	N NC	DRTH DT IN CONTRACT	SYS T	SYSTEM TREAD
	BOT BOTTOM CAB CABINET	FOMFACE OF MASONRYFOSFACE OF SLABFOWFACE OF WALL		DMINAL DN-COMBUSTIBLE		TELEPHONE TEMPORARY
	CJ CONTROL JOINT CL CENTER LINE CLG CEILING	FOWFACE OF WALLFTFOOT, FEETFTGFOOTING	NTS NC	DT TO SCALE I CENTER	tff Thk Thru	TOP OF FINISH FLOOF THICKNESS THROUGH
	CLG HT CEILING HEIGHT CLO CLOSET	FURN FURNISH, FURNITURE GA GAGE	OPP OF	JTSIDE DIAMETER PPOSITE	TO TOB	TOP OF TOP OF BEAM
	CLR CLEAR(ANCE) CMU CONCRETE MASONRY UNIT	GALV GALVANIZED GC GENERAL CONTRACTOR	PCF PC	PTION(AL) DUNDS PER CUBIC FEET ASTIC LAMINATE	TOC TOF	TOP OF CONCRETE, C TOP OF FOOTING
	COL COLUMN CONC CONCRETE CONF CONFERENCE	GYP BD GYPSUM BOARD GYP PLAS GYPSUM PLASTER HC HANDICAP	PLF PC	OUNDS PER LINEAR FEET YWOOD	TOJ TOM TOP	TOP OF JOIST TOP OF MASONRY TOP OF PARAPET
	CONT CONTINUE. CONTINUOUS CORR CORRIDOR	HD HEAVY DUTY HDWD HARDWOOD		NEL	TOS TOW	TOP OF SLAB TOP OF WALL
	CU FT CUBIC FOOT CU YD CUBIC YARD	HDWR HARDWARE HM HOLLOW METAL		EFABRICATED EFINISH	TRTD TV	TREATED TELEVISION
	DEMO DEMOLISH DEPT DEPARTMENT	HORIZ HORIZONTAL HT HEIGHT	PSF PC	RKING DUNDS PER SQUARE FOOT	TYP UL	TYPICAL UNDERWRITERS
	DET DETAIL DF DRINKING FOUNTAIN	HVAC HEATING, VENTILATION & A CONDITIONING	PT PA	OUNDS PER SQUARE INCH INT, POST-TENSIONED,	UNO	LABORATORIES UNLESS NOTED OTHE
	DIA DIAMETER DIAG DIAGONAL	ID INSIDE DIAMETER INCL INCLUDE(D), (ING)	PVC PC	RE-TREATED DLYVINYL CHLORIDE LASTIC)	VERT VEST	VERTICAL VESTIBULE
	DIM DIMENSION DIV DIVISION	INFO INFORMATION INSUL INSULATION	QTR QL	JARTER JANTITY	VIF W	VERIFY IN FIELD WEST, WIDE
	DS DOWNSPOUT E EAST	INT INTERIOR JAN CLO JANITOR CLOSET	R RA	DIUS, RISER FLECTED CEILING PLAN	W/ W/O	WITH WITHOUT
	EA EACH EIFS EXTERIOR INSULATION &	KIT KITCHEN KO KNOCKOUT	RD RC	OF DRAIN FRIGERATOR, REFERENCE	W/W WC	WALL TO WALL WATER CLOSET
	FINISH SYSTEM EJ EXPANSION JOINT	LAB LABORATORY LAM LAMINATE	REQD RE	QUIRED OF LEADER	WD WP	WOOD WORKING POINT,
	EL ELEVATION ELEC ELECTRIC(AL)	LAU LAUNDRY LAV LAVATORY	RM RC	DOF LEADER DOM DUGH OPENING	WR	WATERPROOFING WATER REPELLENT
	ELEV ELEVATOR ENCL ENCLOSE(D)	LF LINEAR FEET LVR LOUVER	ROW RIG	GHT OF WAY DUTH	WT WWF	WEIGHT WELDED WIRE FABRIO
ATHLETIC BUILDING SQUARE	EOS EDGE OF SLAB EQ EQUAL	MAINT MAINTENANCE MATL MATERIAL		DLID CORE	YD	YARD
FOOTAGE LEGEND	VICINITY MAP			AREA MA	N P	
BASEBALL RESTROOMS/CONCESSIONS: <u>1,491 SQ. FT.</u>	Mercer Middle School	HIMI	1K WY		-Onslow - 4	
PRESS BOX/CONCESSIONS (2): <u>572 SQ. FT.</u>					ts - sts - st - sts - st - sts - st - sts - st - sts	$\begin{array}{c} - ds \\ - $

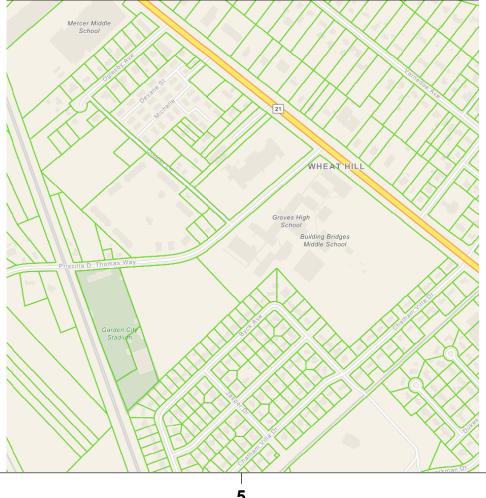
BASEBALL RESTROOMS/CONCESSIONS:	<u>1,49</u>
PRESS BOX/CONCESSIONS (2):	<u>57</u>
AWAY DUGOUT (3):	<u>40</u>
HOME DUGOUT (3):	<u>52</u>

UDS SHEET DESIGNATORS AND SHEET ORDER

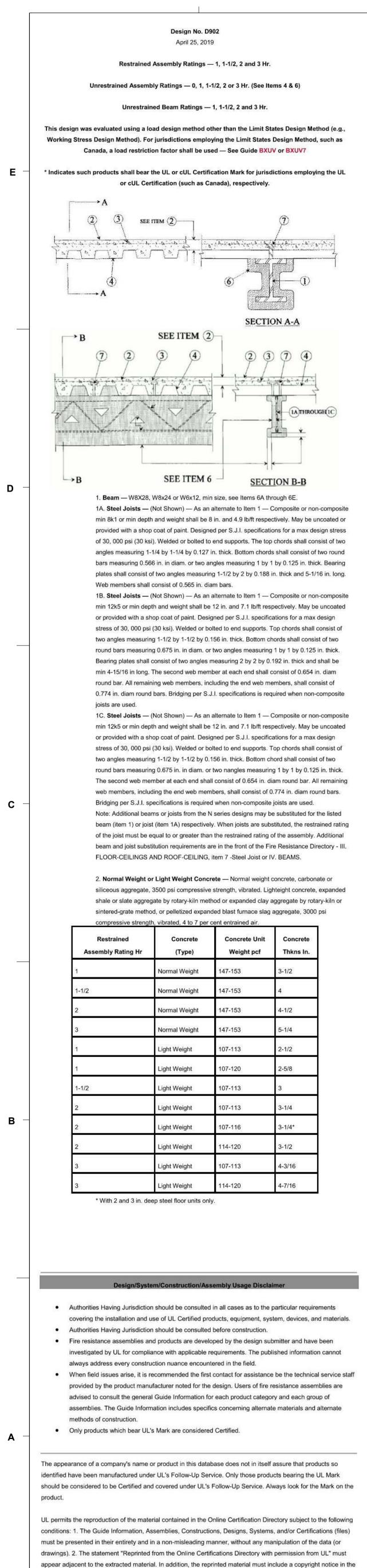
- LEVEL 3 SHEET TYPE DESIGNATORS LEVEL 4 PLAN TYPE DESIGNATORS
- F FIRE PROTECTION 0 GENERAL / OVERALL 1 PLANS 2 ELEVATIONS
- P PLUMBING M MECHANICAL 3 SECTIONS
- E ELECTRICAL
- T TELECOM
- SR SPORTS DESIGN
- 4 LARGE SCALE VIEWS 5 DETAILS
- SE SPORTS ELECTRICAL 6 SCHEDULES, OPENING DETAILS, HARDWARE 7 FINISHES, MILLWORK, SIGNAGE
- 0-2 CONSTRUCTION PLAN 3-5 REFLECTED CEILING PLAN 6 ROOF PLAN
- **A-121**

<u>400 SQ. FT.</u>

<u>521 SQ. FT.</u>







3. Welded Wire Fabric - 6x6 - W1.4xW1.4.

3A. Negative Reinforcement - (Optional, Not Shown) Used in lieu of Item 3 and with Items 3B or 3C. For floor spans with concrete cast continuous over the supporting beams. Deformed bars designed to resist the support moments of the concrete slab in accordance with the latest ACI Building Code Specifications.

3B. Fiber Reinforcement* — (Not Shown) — Required with Item 3A. Engineered synthetic fibers added to concrete mix to control shrinkage cracks in concrete. Fibers added to concrete mix at rate of 1 lb of fiber for each cubic yard of concrete. PROPEX OPERATING COMPANY L L C — Fibermesh 150 and Fibermesh 300.

3C. Fiber Reinforcement* - (Not Shown) - Required with Item 3A. Any fiber reinforcement bearing the UL Classification Marking for Fire Resistance, Classified for use in lieu of welded wire fabric.

See Fiber Reinforcement (CBXQ) Category for names of manufacturers

4. Steel Floor and Form Units* - Composite 1-1/2, 1-5/8, 2 or 3 in. deep galv units or 4-1/2 in. deep non-composite galv units. Fluted units may be phos/ptd. Min gauges are 22 MSG for fluted and 20/20 for cellular and partial cellular units. The following combinations of units may be used:

(1) All 24, 26, 28 or 36 in. wide cellular or partial cellular.

(2) All fluted.

(3) One or two 3 in. deep, 12 in. wide, 18/18 MSG min cellular alternating with 3 in. deep fluted or other cellular.

(4) Any blend of fluted and 24, 26, 28 or 36 in. wide cellular or partial cellular.

(5) Corrugated, nom 1-5/16 or 2 in. deep, 30 in. wide, 24 MSG min galv units with shear wires factory welded to deck corrugations. Welded to supports 12 in. OC through welding washers. For shear wire spacing of 8 in. or less the steel deck stress shall not exceed 20 KSI. For shear wire spacing greater than 8 in. OC but less than or equal to 12 in. OC steel deck stress shall not exceed 12 KSI.

ASC STEEL DECK, DIV OF ASC PROFILES L L C — 32 in. wide Types NH-32, NHN-32, NHF-32; 36 in. wide, Types BH-36, BHN-36, BHN-35-1/4, BHF-36, BHF-36A, 2WH-36, 2WHS-36, 2WHF-36, 2WHF-36A, 3WxH-36, 3WxHF-36, 3WxHF-36A, 3WH-36, 3WHF-36, 3WHF-36A, 3W-36, 3WF-36, DG3W-36, DG3WF-36. All units may be galvanized or Prime Shield. Non-cellular decks may be vented designated with a "V" suffix to the product name. Cellular deck top and bottom sections may be riveted together (designated with "Fr") vs. arc spot welded, "F"

CANAM STEEL CORP - 24 in. wide Type P-2432 composite or 36 in. wide Type P-3623, P-3606, P-3615 and 24 in wide Type P-2432 composite, Type P-3606 and P-3615 noncomposite

CANAM STEEL CORP - 12 or 24 in. wide, Types 1-1/2, 2, or 3 in. LOK-Floor and LOK-Floor Cell; 36 in. wide, Types 2 or 3 in. LOK-Floor and LOK-Floor Cell; 24, 30 or 36 in. wide, Type 1-1/2 in. B-LOK and B-LOK Cell; 24 in. wide, Types N-LOK and N-LOK Cell

CENTRIA, A DIVISION OF NCI GROUP, INC - QL Types, 24 in. wide, 3 or 3 inverted, UKX, 21 or 21 inverted, 2 in. 99, 121, AKX, NKX, TKX; 24 or 30 in. wide GKX, GKXH, GKX-A; 36 in. wide 2 in. 99, AKX, WKX; 12 in. wide NKC, TKC; 12 in. wide non-composite Sec 12. Side joints of 99, 121, TKC, TKX, WKX may be welded together 60 in. OC. Side joints of 99, AKX, WKX, GKX, GKX-A, TKX may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC

CHIA TEH CONSTRUCTION MATERIAL CO LTD - 24 or 36 in. wide Mac-Lok 3; 24 in. wide CFD-3

DECK WEST INC - 36 in. wide Type B-DW, Inverted B-DW, BA-DW, Inverted BA-DW, 2-DW or 3-DW. Side joints of Type 2-DW and 3-DW may be fastened together with min 1 in. long No. 12 x 14 self-drilling, self-tapping steel screws 36 in. OC

DESIGN ASSISTANCE CONSTRUCTION SYSTEMS INC - 36 in. wide Type DACS1.5CD, or 24 in. wide Type DACS2.0CD, or DACS3.0CD

EPIC METALS CORP - 24 in. wide Types EC150, EC150 inverted, EC300, EC366, ECP150, ECP300, ECP366, ECA; 30 in. wide Types ECB150, ECBR150; 36 in. wide Types EC156, EC266, ECP266

KAM INDUSTRIES LTD, DBA CORDECK - 24 in. wide, Types 2 or 3 in. WDR

MARLYN STEEL DECKS INC - Type 1.5 CF, 2.0 CF or 3.0 CF

NEW MILLENNIUM BUILDING SYSTEMS L L C — 24 or 36 in. wide Types 2.0CD, 3.0CD, 2.0CFD, 3.0CFD, 3.0CFDES; 24, 30 or 36 in. wide Types 1.5CD, 1.5CDI, 1.5CDR, 1.5CFD. Fluted units may be phos/painted or galvanized.

ROOF DECK INC - 36 in. wide Types LOK-1-1/2, LOK-1-1/2R; 24 in. wide Types LOK-2, LOK-3

VALLEY JOIST+DECK — 24 or 36 in. wide Types WVC 1-1/2 or WVC 2

VERCO DECKING INC - A NUCOR CO — FORMLOK™ deck types PLB, B, BR, PLN3, N3, PLN, N, PLW2, W2, PLW3, W3. Units are min 24 in. wide and may be galvanized, phos./ptd., or mill finish. Units may be cellular or acoustical cellular, with the suffix "CD" or "CD-AC" added to the product name, respectively. All non-cellular deck may be vented or non-vented. 12 in. wide PLW2, W2, PLW3 or W3 units may be blended with 24 or 36 in. wide PLW2, W2, PLW3 or W3 units, respectively; or Types PLN3-CD, N3-CD, PLN3, N3.

VULCRAFT, DIV OF NUCOR CORP - 24, 30 or 36 in. wide Types 1.5VL, 1.5VLI, 1.5PLVLI, 1.5VLP, 1.5 VLR, 1.5PLVLP; 24 or 36 in. wide Types 1.5VLPA, 1.5PLVLPA, 2VLI, 2.0PLVLI, 2VLJ, 3VLI, 3.0PLVLI, 3VLJ, 2VLP, 2.0PLVLP, 3VLP, 3.0PLVLP, 2VLPA, 2.0PLVLPA, 3VLPA, 3.0PLVLPA. Types 1.5VL, 1.5VLI, 1.5PLVLI, 1.5 VLR, 1.5VLPA, 1.5PLVLPA, 2VLI, 2.0PLVLI, 2VLJ, 3VLI, 3.0PLVLI, 3VLJ units may be phos/ptd. 24 or 36 in. wide Types 2VLJ, 3VLJ units ++ may be used for max 2 hr Restrained Assembly Rating. 36 in. wide Types 1.5 SB, 1.5 SBR; 24 or 36 in wide Types 2.0 SB, 3.0 SB, 36 in. wide Type High Strength 1.5 SBI, 36 in. wide Type High Strength 1.5 SBN; Units may be phos/ptd

Spacing of welds attaching units to supports shall be 12 in. OC for 12, 24, 36 in. wide units, four welds per sheet for 30 in. wide units. 6 in. OC for 18 in. wide and Sec. 12 units. Unless specified otherwise for specific units types, adjacent units button-punched or welded together 36 in. OC along side joints. For 3 Hr Rating, units with overlapping type side joints welded together 24 in. OC max.

When a superimposed load of 250 PSF is desired the spacing of welds or button-punches shall not exceed 24 in. OC along side joints.

++ Side joints of Types 2VLJ or 3VLJ units may be fastened together with No. 8-3/4 in. long self-drilling Tek screws driven diagonally from the top side through the joint of the units at 36 in. O. C. max.

Alternate Construction - Non-composite units of the same type listed above may be used provided allowable loading is calculated on the basis of non-composite design.

The Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating (See Item 6) for a max 3 Hr and is limited to the following units and limitations:

> (a) 1-1/2, 2 and 3 in. deep, 24 or 36 in. wide, 22 MSG or thicker fluted with clear spans not more than 7 ft. 8 in. (b) 1-1/2, 2 and 3 in. deep, 24 or 36 in. wide, 20 MSG or thicker fluted with clear spans not more than 8 ft, 8 in. (c) 1-1/2 and 2 in. deep, 24 or 36 in. wide, 16 MSG or thicker fluted and 18/18 MSG or thicker cellular with clear spans not more than 9 ft, 11 in. (d) 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft, 2 in. For assemblies utilizing 3-1/4 in. light weight concrete topping with a max Restrained Assembly Rating of 2 Hr, the Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating (See Item 6) and is limited to the following floor units and spans:

(a) 1-1/2, 2 and 3 in. deep, 24 or 36 in. wide, 22 MSG fluted and 20/20 MSG cellular with clear spans not more than 9 ft, 6 in. (b) 2 and 3 in. deep, 24 or 36 in. wide, 20 MSG fluted and 20/20 MSG cellular with clear spans not more than 10 ft, 0 in.

(c) 3 in. deep, 24 in. wide, 20 MSG fluted and 20/20 MSG cellular with clear spans not more than 13 ft, 2 in.

4A. Steel Floor and Form Units* — As an alternate to Item 4, for use only when top of steel beam (Item 1) is filled solid with concrete for the full width of bearing from top of steel beam to top of concrete (Item 2):

BAILEY METAL PRODUCTS LTD — Type COMSLAB™ 210 and COMSLAB™ 225, Steel End Closure Flashing

5. Joint Cover — (Use with fluted units optional — Not Shown) — 2 in. wide cloth adhesive tape applied following the contour of the units.

6. Spray-Applied Fire Resistive Materials* — Applied by spraying with water to the final thicknesses shown below. When fluted steel deck is used and the fire protection thickness selected is based on all fluted deck, the area between the steel deck and the top flange of the steel beam shall be filled. When fluted steel deck is used and the steel beam is sprayed with the thicknesses applicable to cellular of blended units, the area between the steel deck and the top flange of the steel beam shall be plugged. Beam surfaces must be clean and free of dirt, loose scale, and oil. Min average density of 13 pcf with min. individual density of 11 pcf for Types II, II HS, or DC/F. Min average and min individual densities of 22 pcf and 19 pcf, respectively, for type HP. For method of density determination, refer to Design Information Section. The thickness of the Spray-Applied Fire Resistive Materials on the Structural Members (Item 1, 1A, or 1B) shall be as follows:

			Min Thk	lied Resist	ive Mtl, In	
Restrained Assembly Rating Hr	Unrestrained Beam Rating Hr	ed W8x28 W8x28 When When Deck Deck Is Is Blend Concrete All or All Type Fluted Cellular		When Deck Is Blend or All	Joist Item 1A When Deck Is Fluted Cellular or Blend	Joist Item 1B When Deck Is Fluted Cellular or Blend
1	1	NW	3/8,5/8*	3/8,11/16*	1+	
1-1/2	1	NW	3/8,5/8*	3/8,11/16*	1-9/16	-
2	1	NW	3/8,5/8*	3/8,11/16*	2-1/16	
2	2	NW	3/4	13/16	2-1/16	—
2	3	NW	1-3/16	1-5/16	1	3-1/4
3	1-1/2	NW	1/2	1/2		3-1/4
3	2	NW	3/4	13/16	(13)	3-1/4
3	3	NW	1-3/16	1-5/16	ł	3-1/4
1	1	LW	3/8,5/8*	7/16,11/16*	1-1/8+	
1-1/2	1	LW	3/8,5/8*	7/16,11/16*	1-3/4	_
2	1	LW	3/8,5/8*	7/16,11/16*	2-1/4	_
2	2	LW	1	1	2-1/4	_
2	3	LW	1-9/16	1-5/8		3-1/4
3	1-1/2	LW	5/8	11/16		3-1/4
3	2	LW	1	1		3-1/4

3	3	LW	1-9/16	1-5/8		3-1/4
* This t	hickness applies v	vhen optic	onal Item 12	or 13 are used	over 3-1/4	in. light

** This thickness applies when optional Item 12 or 13 are used over 3-1/4 in. light weight concrete topping.

+ When bottom chords consist of 1 by 1 by 0.125 in. thick steel angles, the thickness of spray-applied fire resistive material shall be increased by 1/4 in. on the bottom chord only.

ISOLATEK INTERNATIONAL - Type D-C/F, HP, II or Type II HS. Investigated for exterior use. Type EBS or Type X adhesive/surface sealer optional.

6A. Spray-Applied Fire Resistive Materials* — Alternate to Item 6. See table below for appropriate thicknesses. When fluted steel deck is used and the fire protection thickness selected is based on all fluted deck, the area between the steel deck and the top flange of the steel beam shall be filled. When fluted steel deck is used and the steel beam is sprayed with the thicknesses applicable to cellular or blended units, the area between the steel deck and the top flange of the steel beam shall be plugged. Prepared by mixing with water and sprayapplied in one or more coats to beam surfaces which must be clean and free of dirt, loose scale and oil. Min average density of 17.5 pcf with min individual value of 17.0 pcf. For method of density determination, see Design Information Section, Spraved Material.

Restrained	Unrestrained	Min Thkns Applied Resistive Mtl, In					
Assembly Rating Hr	Beam Rating Hr	W8x28 When Deck Is All Fluted	W8x28 When Deck Is Blend or All Cellular				
1, 1-1/2, 2	1	5/16, 7/16*	5/16, 7/16*				
2	2	11/16	13/16				
2	3	1-1/16	1-5/16				
3	1-1/2	1/2	9/16				
3	2	11/16	13/16				
3	3	1-1/16	1-5/16				

concrete topping.

ISOLATEK INTERNATIONAL - Type 280

6B. Spray-Applied Fire Resistive Materials* — Alternate to Items 6 and 6A. Prepared by mixing with water. Spray-applied in one or more coats to beam surfaces to a min final thickness as shown in the tables below. Beam surfaces must be clean and free of dirt, loose scale and oil. When fluted steel deck is used and the fire protection thickness selected is based on all fluted deck, the area between the steel deck and the top flange of the steel beam shall be filled. When fluted steel deck is used and the steel beam is sprayed with the thicknesses applicable to cellular or blended units, the area between the steel deck and the top flange of the steel beam shall be plugged.

* This thickness applies when optional Items 12, 13 are used over 3-1/4 in. light weight

Min average and min individual density of 15 pcf and 14 pcf respectively for Types 300, 300AC, 300 ES, 300 HS, 300 N, 3000, 3000ES, and SB. For Types 400, 400 AC and 400 ES min average and min individual density of 22 pcf and 19 pcf respectively. Min avg density of 44 pcf with min ind value of 40 pcf for Types M-II and TG. Min avg density of 47 pcf, with min individual value of 43 pcf for Type M-II/P. The thickness of the material on the Structural Members (Item 1 and 1C) shall be as follows:

		Min Thkns Spray Applied Resistive Mtl, In					
Restrained Assembly Rating Hr	Unrestrained Beam Rating Hr	W8x28 When Deck Is All Fluted	W8x28 When Deck Is Blend or All Cellular	Joist (Item 1C) When Deck Is Fluted Cellular or Blend			
1	1	5/16, 7/16*	5/16, 7/16*	9/16+			
1-1/2	1	5/16, 7/16*	5/16, 7/16*	1			
2	1	5/16, 7/16*	5/16, 7/16*	1-3/8			
2	2	11/16	13/16	1-3/8			
2	3	1-1/16	1-5/16	2-1/4			
3	1-1/2	1/2	9/16	2-1/4			
3	2	11/16	13/16	2-1/4			
3	3	1-1/16	1-5/16	2-1/4			

concrete topping.

+ When bottom chords consist of 1 in. by 1 in. by 0.125 in. thick steel angles, the thickness of spray-applied fire resistive material shall be increased by 1/4 in. on the bottom chord only.

BERLIN CO LTD — Types 300, 300ES, 300N, SB, or 400; Type M-II, TG and M-II/P

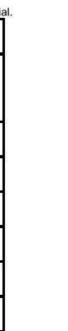
GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C - Types 300, 300AC, 400, or 400AC; Type M-II, TG and M-II/P

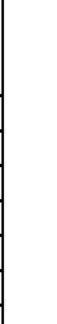
ISOLATEK INTERNATIONAL - Types 300, 300AC 300ES, 300HS, 300N, SB, 400, 400AC, 400ES, 3000 or 3000ES; Type M-II, TG and M-II/P

NEWKEM PRODUCTS CORP — Types 300, 300ES, 300N, 400, or SB; Type M-II, TG and M-II/P

6C. Mastic and Intumescent Coatings* — As an alternate to Items 6 through 6B. For use with fluted steel floor and form units only. Min. size W8x24 or W6x12 beams shall be primed with a phenolic modified alkyd primer, a metal alkyd primer, an acrylic primer or an epoxy

t weight





primer at a nominal thickness of 2 mil. Coating spray or brush applied in accordance with the manufacturer's instructions at the min dry thickness as shown in the table below. The thickness shown below includes the primer thickness. Flutes above beam to be completely filled with minimum 6 pcf mineral wool insulation, or the top flange of the beam to be

Minimum Dry Thickness mils	Minimum Dry Thickness mm	Beam Size	Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr
53	1.34	W8x24	1	2
95	2.41	W8x24	1-1/2	3
73	1.83	W6x12	1	2
123	3.10	W6x12	1-1/2	3

BERLIN CO LTD — Type WB 3. Investigated for Interior General Purpose. Type WB 4, Investigated for Interior General Purpose. Type WB4, Investigated for Exterior Use with top coat as described in Item 6E

GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C — Type WB 3. Investigated for Interior General Purpose. Type WB 4, Investigated for Interior General Purpose. Type WB4, Investigated for Exterior Use with top coat as described in Item 6E

ISOLATEK INTERNATIONAL — Type SprayFilm-WB 3 and Type WB 3. Investigated for Interior General Purpose. Type SprayFilm-WB 4 and Type WB 4, Investigated for Interior General Purpose. Type SprayFilm-WB 4 and Type WB4, Investigated for Exterior Use with top coat as described in Item 6E

NEWKEM PRODUCTS CORP — Type WB 3. Investigated for Interior General Purpose. Type WB 4, Investigated for Interior General Purpose. Type WB4, Investigated for Exterior Use with top coat as described in Item 6E

6D. Mastic and Intumescent Coatings* — As an alternate to Items 6 through 6C. For use with normal weight concrete. Min. size W8x28 beams shall be primed with a phenolic modified alkyd primer a metal alkyd primer, an acrylic primer or an epoxy primer at a nominal thickness of 2 mil. Coating spray or brush applied in accordance with the manufacturer's instructions at the min dry thickness as shown in the table below. The thickness shown below includes the primer thickness. The top surface of the top flange where fluted units are used must be protected with the coating material at the same min dry thickness at a min distance of 1 in. (25 mm) inward from the flange tip on both sides of the beam. Mineral wool insulation

Minimum Dry Thickness mils	Minimum Dry Thickness mm	Steel Floor Units	Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr
103	2.62	Fluted or Cellular	1-1/2	2
179	4.55	Cellular	1-1/2	3
341	8.67	Cellular	2	3

BERLIN CO LTD — Type WB 3. Investigated for Interior General Purpose. Type WB 4. Investigated for Interior General Purpose. Type WB 4, Investigated for Exterior Use with top coat as described in Item 6E

GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C — Type WB 3, Investigated for Interior General Purpose. Type WB 4, Investigated for Interior General Purpose. Type WB 4, Investigated for Exterior Use with top coat as described in Item 6E

ISOLATEK INTERNATIONAL — Type SprayFilm-WB 3 and Type WB 3. Investigated for Interior General Purpose. Type SprayFilm-WB 4 and Type WB 4, Investigated for Interior General Purpose. Type SprayFilm-WB 4 and Type WB 4, Investigated for Exterior Use with top coat as described in Item 6E

NEWKEM PRODUCTS CORP — Type WB 3. Investigated for Interior General Purpose. Type WB 4, Investigated for Interior General Purpose. Type WB4, Investigated for Exterior Use with top coat as described in Item 6E

6E. Top Coat — Type SprayFilm — TOPSEAL and Type TOPSEAL required for Exterior Use, applied at a minimum dry thickness of 14 mils (0.34 mm) over the intumescent material. See Classification information in the Mastic and Intumescent Coating (CDWZ) category, Isolatek International, for mixing requirements.

6F. Mastic and Intumescent Coatings* — As an alternate to Items 6 through 6D. For use with normal weight or light weight concrete and fluted steel floor and form units only. Min size W8x24 beams shall be primed with a phenolic modified alkyd primer at a thickness of 2 mils or a epoxy primer at a nominal thickness of 1 mil. Coating spray or brush applied in accordance with the manufacturer's instructions at the thicknesses shown below. The thickness includes the thickness of primer. The top surface of the top flange where fluted units are used must be protected with the coating material at the same min dry thickness or

filled wit	h nominal 4 pcf mi	neral wool.		
Minimum Dry Thickness mils	Minimum Dry Thickness mm	Beam Size	Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr
35	0.88	W8x24	1	2
66	1.68	W8x24	1-1/2	3

1.00 000024 1-1/2 GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C — Type WB-5. Investigated for Interior General Purpose

ISOLATEK INTERNATIONAL — Type WB-5. Investigated for Interior General Purpose

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2019-04-25

7. Shear Connector Studs — (Optional) — Studs, 3/4 in. diam by 3 in. long, for 1-1/2 in. deep form units to 5-1/4 in. long for 3 in. deep form units, headed type or equivalent per AISC specifications. Welded to the top flange of the beam through the steel form units. 8. Lath Hanger — (Optional, Not Shown) For use in caged beams with Items 6, 6A or 6B Galv steel 6 SWG min diam spaced 27 in. O. C.

9. Clips — (Optional, Not Shown) For use in caged beams with Items 6, 6A or 6B No. 24 MSG spring steel pushed on to top and bottom flanges of beam spaced 6 in. O. C. max. 10. Metal Lath - (Optional, Not Shown) - For use in caged beams with Items 6, 6A or 6B 3/8 in. diamond mesh or rib lath, 3.4 lbs per sq yd expanded steel attached to beam with clips spaced 6 in. OC max; or tied to lath hangers with 18 SWG galv steel wire spaced 6 in. OC

11. Electrical Inserts* — (Not Shown) — Classified as "Outlet Boxes and Fittings Classified for Fire Resistance".

12. Mineral and Fiberboards* — (Optional, Not Shown) — Applied over concrete floor with no restriction on board thickness. When mineral and fiber boards are used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr. See Mineral and Fiber Board (CERZ) category for names of

manufacturers.

13. Foamed Plastic* — (Optional, Not Shown) — Consisting of polyisocyanurate or urethane roof insulations. Applied over concrete floor with no restrictions on thickness. When polyisocyanurate or urethane insulation is used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr.

See Foamed Plastic (CCVW) for list of manufacturers.

14. Insulating Concrete — (Optional, Not Shown) — Various types of insulating concrete prepared and applied as follows:

A. Vermiculite Concrete - Blend 6 to 8 cu ft of Vermiculite Aggregate* to 94 lb Portland cement and air entraining agent. Min thickness of 2 in. as measured to the top surface of the structural concrete or foamed plastic (Item 15) when it is used. See Vermiculite Aggregate (CJZZ) category for names of Classified companies.

B. Cellular Concrete-Roof Topping Mixture* - Concentrate mixed with water and Portland cement per manufacturer's specifications. Min. thickness of 2-in. as measured to the top surface of the structural concrete or foamed plastic (Item 15 and 15A) when used. Cast dry density and 28-day min compressive strength of 190 psi as determined with ASTM C495-66.

AERIX INDUSTRIES - Cast dry density of 37 (+ or -) 3.0 pcf

CELCORE INC — Type Celcore with cast dry density of 31 (+ or - 3.0) pcf or Type Celcore MF with cast dry density of 29 (+ or - 3.0) pcf

ELASTIZELL CORP OF AMERICA - Type II, with a cast dry density of 39 (+ or - 3.0) pcf

SIPLAST INC — Mix #1, Cast dry density of 32 (+ or -) 3 pcf

SIPLAST INC - Mix #2, Cast dry density of 36 (+ or -) 3 pcf

C. Cellular Concrete-Roof Topping Mixture* - Foam concentrate mixed with water, Portland cement and UL Classified Vermiculite Aggregate per manufacture's application instructions. Cast dry density of 33 (+ or -) 3 pcf and 28 day compressive strength of min 250 psi as in accordance with ASTM C495-86.

AERIX INDUSTRIES - Mix #3

ELASTIZELL CORP OF AMERICA - Type II. Mix #1 of cast dry density 39 (+ or -) 3.0 pcf, Mix #2 of cast dry density 40 (+ or -) 3.0 pcf, Mix #3 of cast dry density 47 (+ or -) 3.0 pcf

SIPLAST INC - Mix #3

D. Perlite Concrete - 6 cu ft of Perlite Aggregate* to 94 lb of Portland Cement and 1-1/2 pt air entraining agent. Min thickness 2 in. as measured to the top surface of structural concrete or foamed plastic (Item 15A) when it is used.

> See Perlite Aggregate (CFFX) in Fire Resistance Directory for names of Classified companies.

15. Foamed Plastic* --- (Optional, Not Shown) -- For use only with vermiculite (Item 14A) or cellular (Item 14B) concretes-Rigid polystyrene foamed plastic insulation having slots and/or holes sandwiched between vermiculite concrete slurry which is applied to the normal or light weight concrete surface and vermiculite concrete topping (Item 14A). See Foamed Plastic* (BRYX) category in Building Materials Directory or

Foamed Plastic* (CCVW) Category in Fire Resistance Directory for list of Classified companies.

15A. Foamed Plastic* — (Not Shown) — For use only with cellular or perlite concrete. Nominal 24 by 48 in. polystyrene foamed plastic insulation boards having a density of 1.0 (+ or - 0.1) pcf, encapsulated within concrete topping. Each insulation board shall contain six nominal 3 in. diameter holes oriented in two rows of three holes each with the holes spaced 12 in. OC transversely and 16 in. OC longitudinally.

See Foamed Plastic* (BRYX) category in Building Materials Directory or Foamed Plastic* (CCYW) category in Fire Resistance Directory for list of Classified companies.

16. Roof Covering Materials* — (Optional, Not Shown) — Consisting of materials compatible with insulations described herein which provide Class A, B or C coverings. See Built-Up Roof Covering Materials in Building Materials Directory.

17. Insulated Concrete - (Optional, Not Shown) - various types of insulated concrete prepared and applied in the thickness indicated. A. Vermiculite Concrete — Mix consists of 6 cu ft of Vermiculite Aggregate*, 94 lbs of Portland cement and 6 ox of air entraining agent.

Thickness to be 2 in min from the top plane of steel roof deck. ELASTIZELL CORP OF AMERICA — Types MS16-U, MSV 200.

B. Perlite Concrete — Mix consists of 6.2 cu ft Perlite Aggregate* to 94 Ibs of Portland cement and 1-1/2 pt air entraining agent. Compressive strength 80 psi min.

> See Perlite Aggregate (CFFX) category for names of Classified companies.

18. Wall and Partition Facings and Accessories - (Optional, Not Shown) Sound barrier for use with items 19 and 20: Acoustic Sleeper Pads stapled or adhered to the underside of the subflooring panels spaced 24 in. OC. STC ARCHITECTURAL PRODUCTS L L C DBA STC SOUND CONTROL - Acoustic Sleeper

19. Structural Cement Fiber Units* - (Optional, Not Shown) - (For use with item 18) - Min 3/4 in. thick tongue and groove non-combustible structural cement fiber board loosely laid over concrete. ECTEK INTERNATIONAL INC — Armoroc Panel

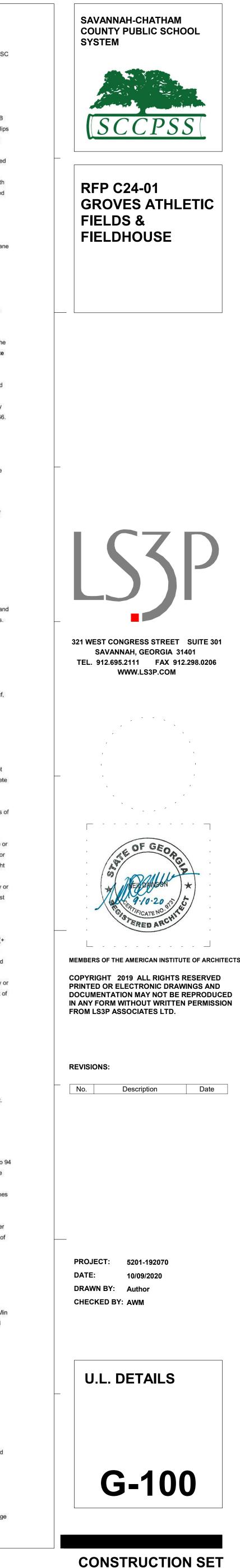
UNITED STATES GYPSUM CO - USG Structural Panel

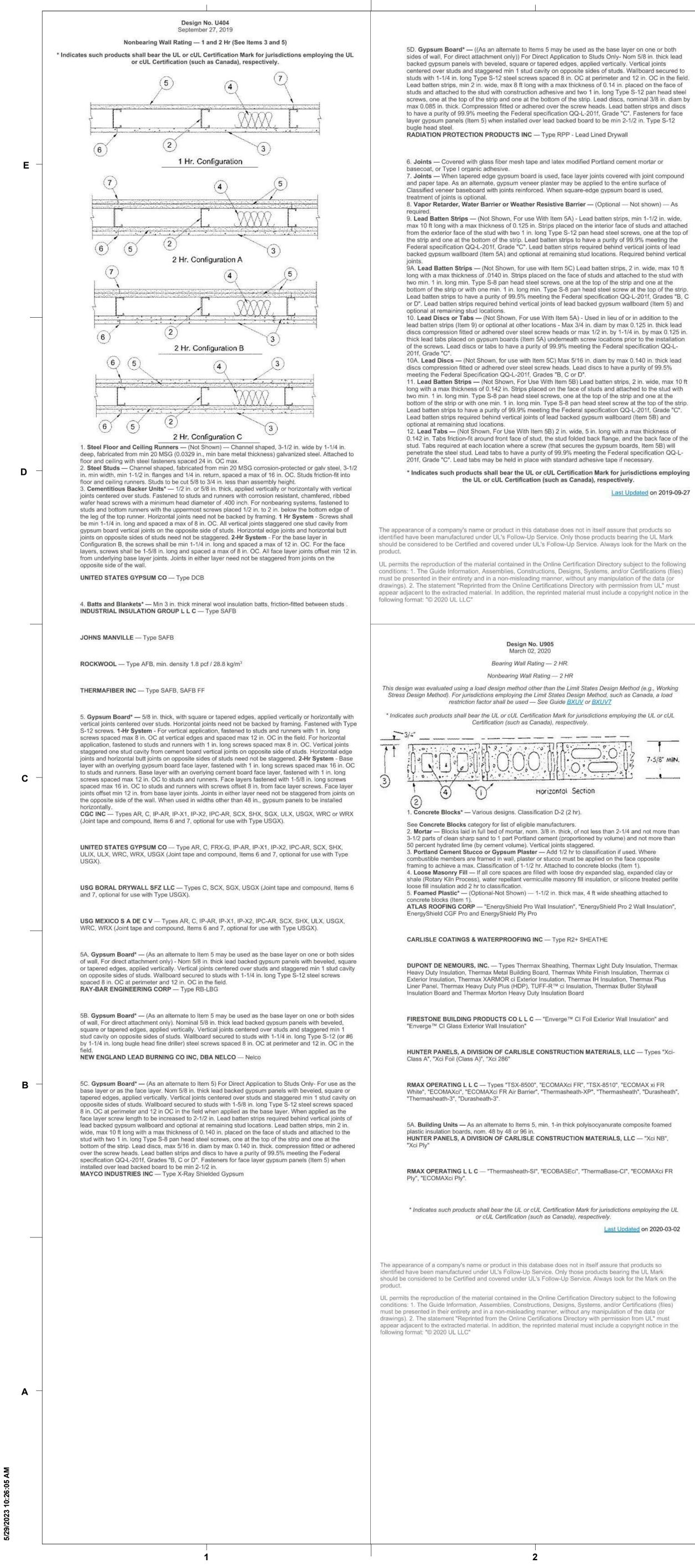
EASI BUILDING PRODUCTS, INC. - Versaroc

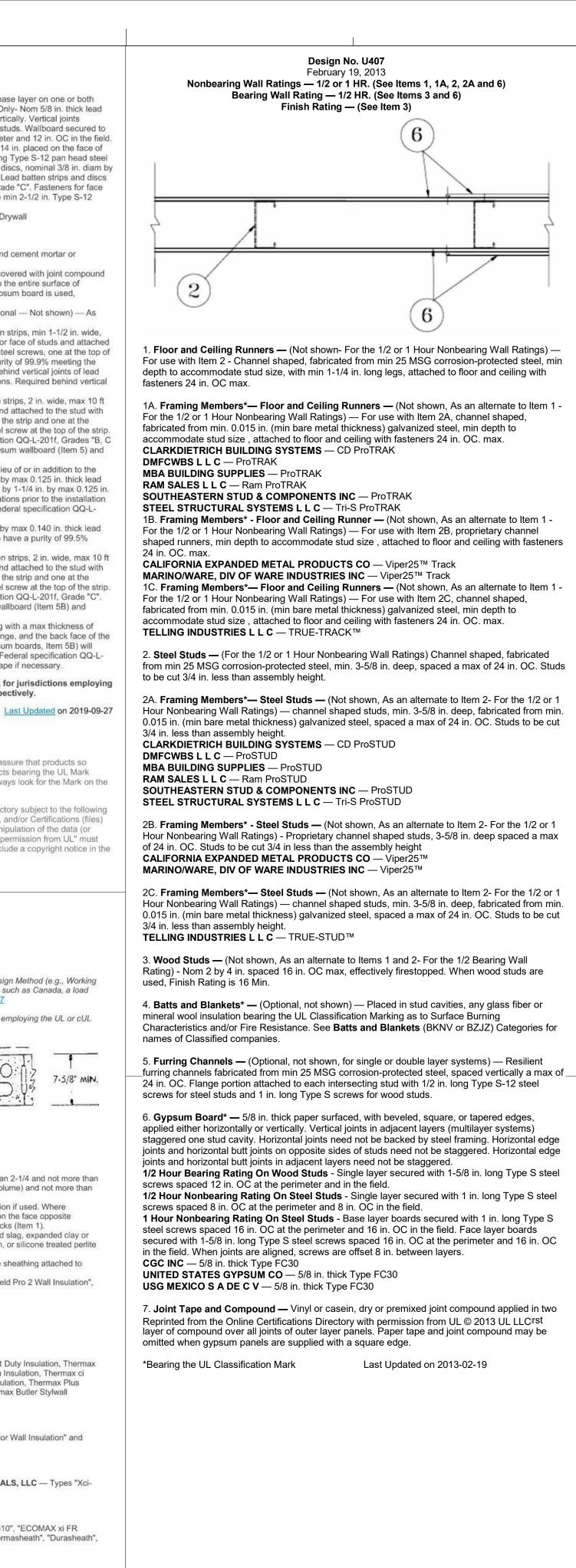
20. Building Units* - (Optional, Not Shown) - (For use with item 18) - Panels loosely laid over concrete. DRAGONBOARD USA L L C — Type DragonBoard, DragonBoard Flooring

EXTREMEGREEN BUILDING PRODUCTS LLC — Type 3/4 in. Shiplap Edge Extremegreen™ Board, 5/8 in. Tapered Edge Extremegreen™ Board, 1/2 in. Tapered Edge

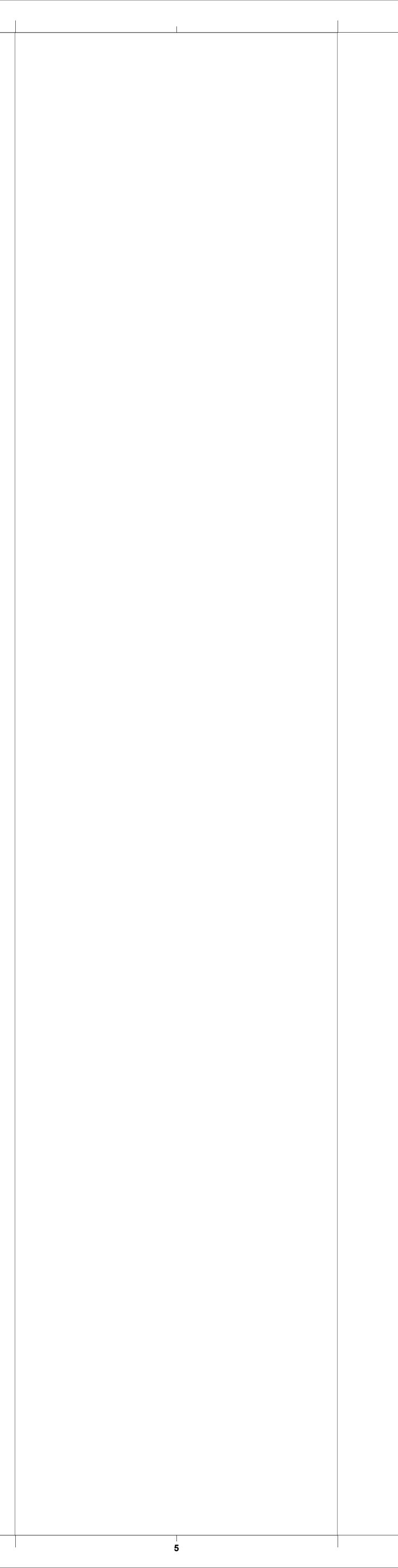
Extremegreen[™] Board.

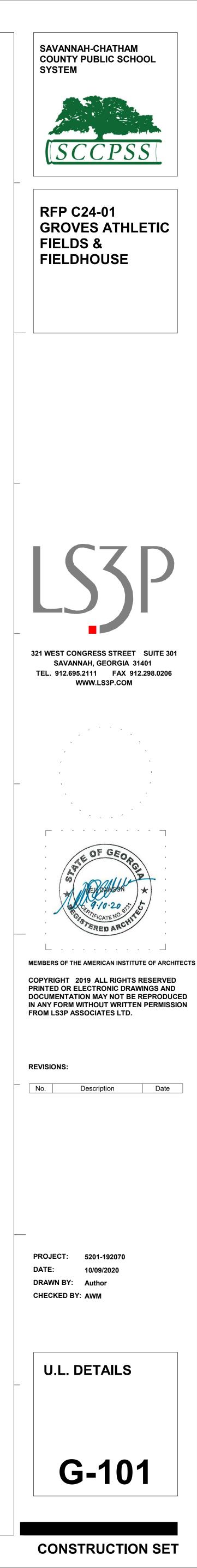


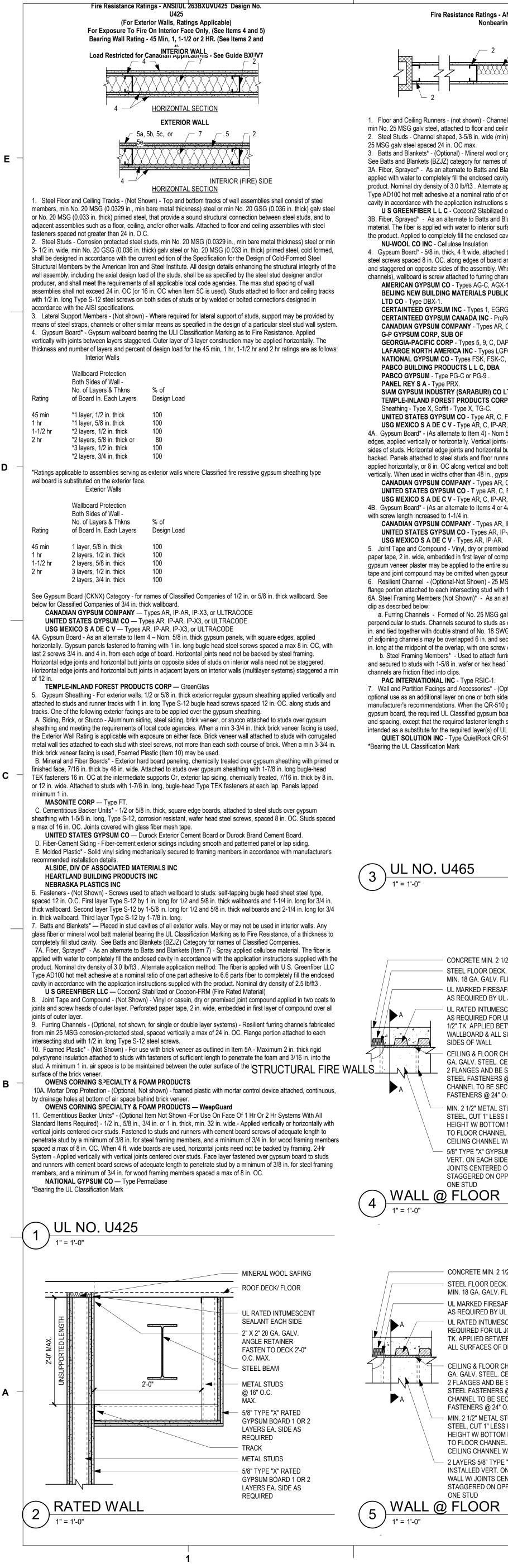




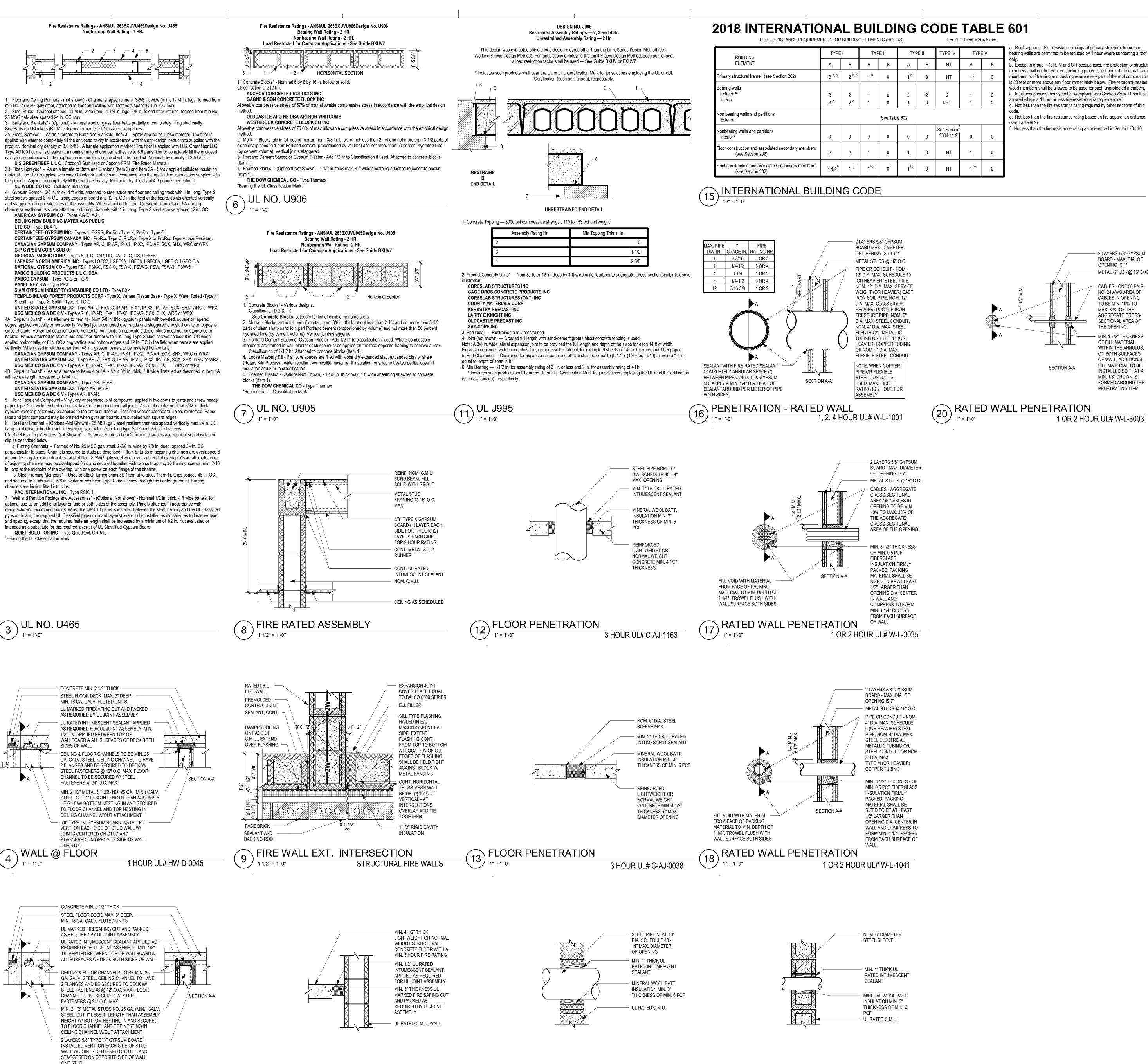
Last Updated on 2020-03-02







Nonbearing Wall Rating - 1 HR.



min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. 25 MSG galv steel spaced 24 in. OC max. See Batts and Blankets (BZJZ) category for names of Classified companies.

U S GREENFIBER L L C - Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material) NU-WOOL CO INC - Cellulose Insulation

AMERICAN GYPSUM CO - Types AG-C, AGX-1 **BEIJING NEW BUILDING MATERIALS PUBLIC**

PABCO BUILDING PRODUCTS L L C. DBA PABCO GYPSUM - Type PG-C or PG-9. PANEL REY S A - Type PRX.

Sheathing - Type X, Soffit - Type X, TG-C

vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.

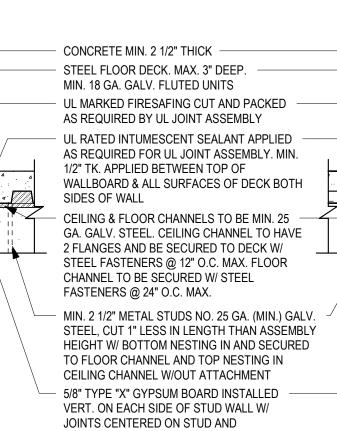
with screw length increased to 1-1/4 in. CANADIAN GYPSUM COMPANY - Types AR, IP-AR. UNITED STATES GYPSUM CO - Types AR, IP-AR,

tape and joint compound may be omitted when gypsum boards are supplied with square edges. flange portion attached to each intersecting stud with 1/2 in. long type S-12 panhead steel screws. clip as described below:

in. long at the midpoint of the overlap, with one screw on each flange of the channel. channels are friction fitted into clips. PAC INTERNATIONAL INC - Type RSIC-1.

intended as a substitute for the required layer(s) of UL Classified Gypsum Board. QUIET SOLUTION INC - Type QuietRock QR-510. *Bearing the UL Classification Mark

(3) UL NO. U465 1" = 1'-0"



ONE STUD

2 HOUR UL# HW-D-0045

(10) FLOOR @ WALL

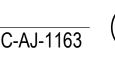
3 HOUR UL# FW-D-0042

(14) WALL PENETRATION 1" = 1'-0"

3 HOUR UL# C-AJ-1163

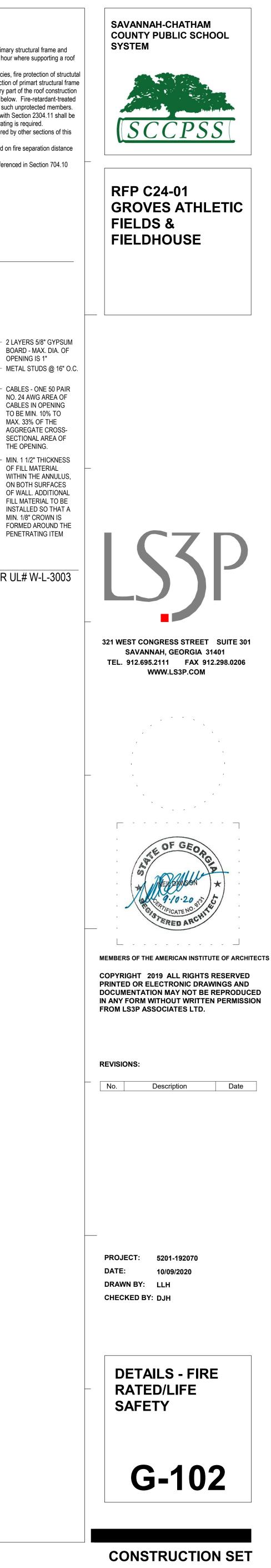
BUILDING	TYPE I T		TYF	PE II	TYPE III		TYPE IV	TYPE V	ΕV
ELEMENT	А	В	А	В	А	В	HT	А	В
Primary structural frame ^f (see Section 202)	3 ^{a, b}	2 ^{a, b}	1 ^b	0	1 ^b	0	HT	1 ^b	0
Bearing walls Exterior ^{e, f} Interior	3 3 ^a	2 2 ^a	1 1	0 0	2 1	2 0	2 1/HT	1 1	0 0
Non bearing walls and partitions Exterior				See Tabl	e 602				
Nonbearing walls and partitions Interior ^d	0	0	0	0	0	0	See Section 2304.11.2	0	0
Floor construction and associated secondary members (see Section 202)	2	2	1	0	1	0	HT	1	0
Roof construction and associated secondary members (see Section 202)	1 1/2 ^b	1 ^{b,c}	1 ^{b,c}	0 ^c	1 ^{b,c}	0	HT	1 ^{b,c}	0

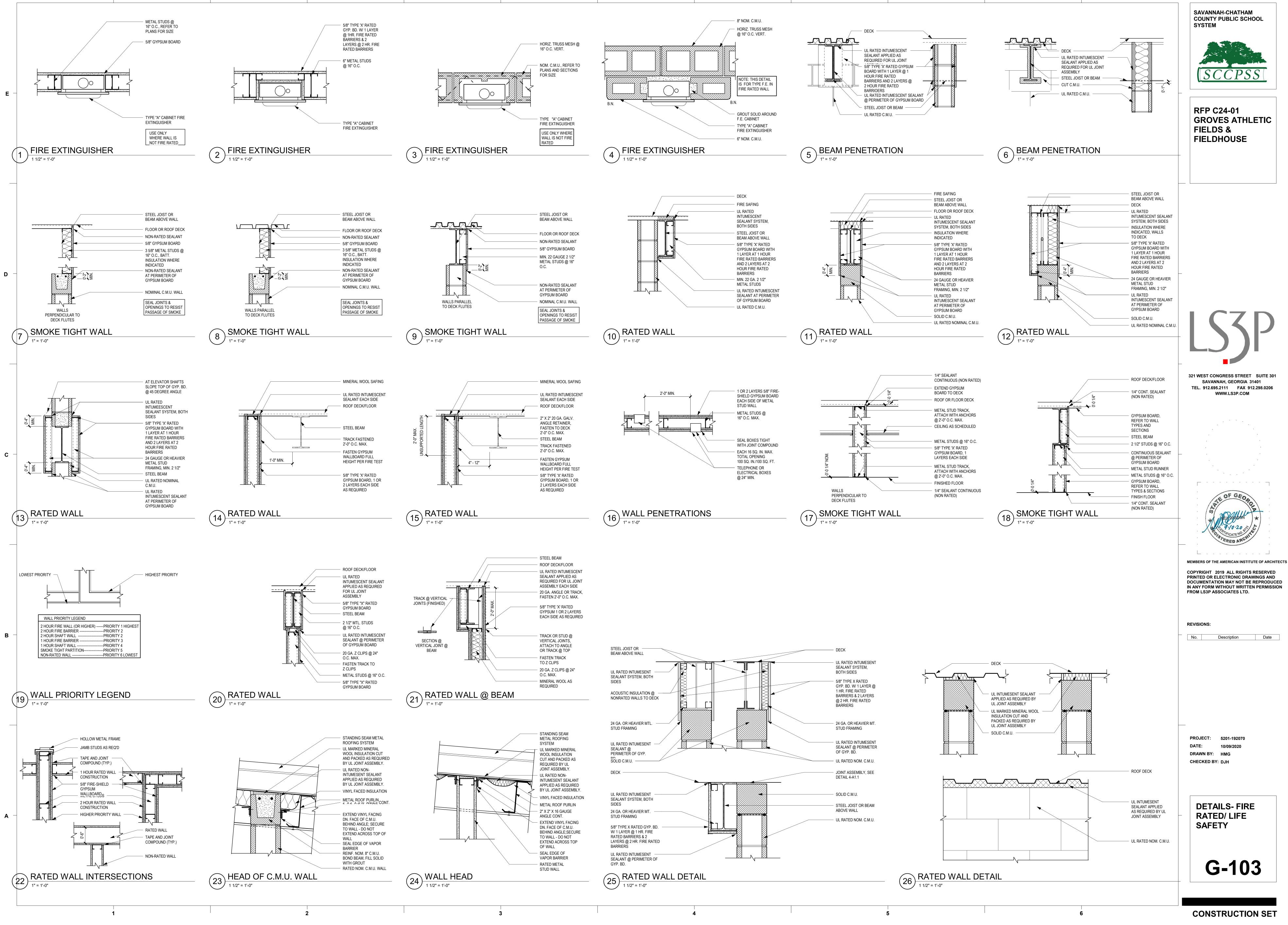
. Roof supports: Fire resistance ratings of primary structural frame and bearing walls are permitted to be reduced by 1 hour where supporting a roof Except in group F-1, H, M and S-1 occupancies, fire protection of structutal members shall not be required, including protection of primart structural frame members, roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below. Fire-retardant-treated wood members shall be allowed to be used for such unprotected members. c. In all occupancies, heavy timber complying with Section 2304.11 shall be allowed where a 1-hour or less fire-resistance rating is required. . Not less than the fire-resistance rating required by other sections of this



WALL PENETRATION

3 HOUR UL# C-AJ-1081





SS 17



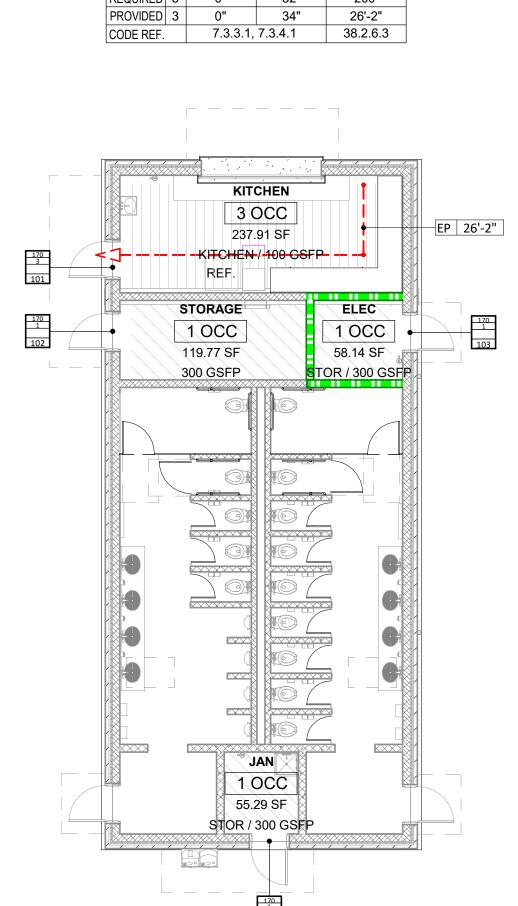
Α

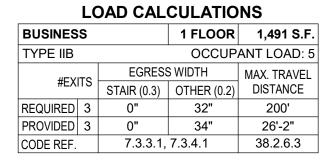
D

С

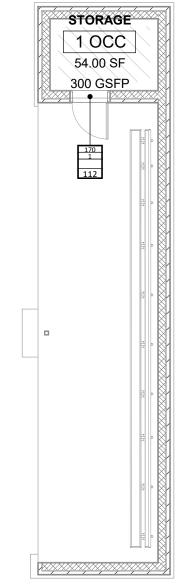
В





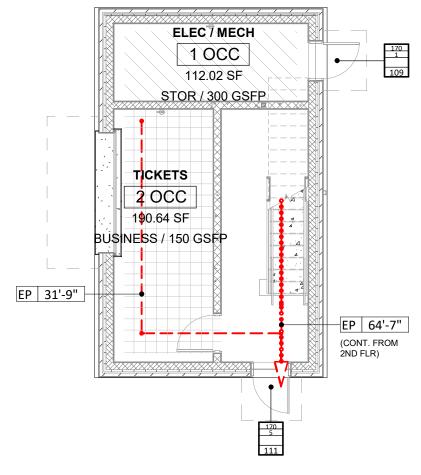


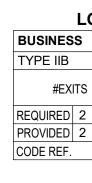
A2 HOME DUGOUT LIFE SAFETY PLAN



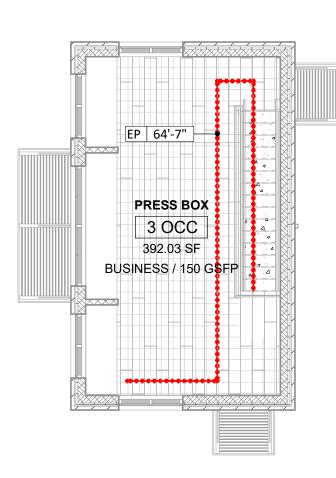
LOAD CALCULATIONS			
	1 FLOOR	521 S.F.	
	OCCUPANT LOAD: 1		
	S WIDTH	MAX. TRAVEL	
S STAIR (0.3)	OTHER (0.2)	DISTANCE	
1 0"	32"	200'	
1 0"	34"	-	
7.3.3.1,	7.3.3.1, 7.3.4.1		
	S EGRES: STAIR (0.3) I 0" I 0"	I FLOOR OCCUP S STAIR (0.3) 0" 32" 0" 34"	

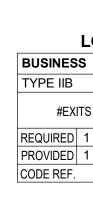
B3 PRESS BOX LIFE SAFETY PLAN - 1ST FLOOR





A3 PRESS BOX LIFE SAFETY PLAN - 2ND FLOOR





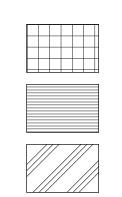
LOAD CALCULATIONS 2 FLOORS 521 S.F.

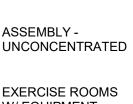
	OCCUPANT LOAD: 3			
EGRESS	S WIDTH	MAX. TRAVEL		
STAIR (0.3)	OTHER (0.2)	DISTANCE		
36"	32"	200'		
36"	34"	64'-7"		
7.3.3.1,	7.3.4.1	38.2.6.3		

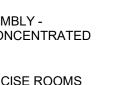
LOAD CALCULATIONS 2 FLOORS 521 S.F. OCCUPANT LOAD: 3

EGRESS	S WIDTH	MAX. TRAVEL
STAIR (0.3)	OTHER (0.2)	DISTANCE
0"	64"	200'
0"	68"	64'-7"
7.3.3.1,	7.3.4.1	38.2.6.3

LEGE	:ND - L	IFE SAFE		3
CP 19'-7"	— DISTANCE	- COMMON PATH OF	TRAVEL	
		- EGRESS PATH		
EP 19'-7"	— DISTANCE –PATH DISTAI –PATH NUMB –PATH	NCE 200'-0" (UNSP ER MAX. DEAD EI MAX. COMMO 75'-0" (UNSPR	CE: 300'-0" (SPRINI RINKLERED BUSIN ND CORR: 50'-0" (S DN PATH OF TRAVI).	IESS, E SPR), 2
		BUILDING EL EXISTING PA TEMPORARY SMOKE BARF 1 HR FIRE BA 2 HR FIRE BA 3 HR FIRE BA 4 HR FIRE BA	RTITION TO REMA PARTITION RIER RRIER RRIER RRIER	IN
	E RATED DOOF CUPANTS SERV CUPANTS REQ E RATING OF E DR NUMBER	VED (EGRESS) UIRED (EGRESS)	48" 160 – _{EG} 137 – AN	IT CAF RESS ITICIP RESS
FEC11 FEC12	FE01 FEC13	EXIT SIGN: EXIT SIGN: EXIT SIGN: M EXIT SIGN: M (ONE SIDED) EXIT SIGN: TV TWO SIDED S	T EXIT (ONE SIDED KIT DIRECTION (ON IULTIPLE EXIT DIRE WO FILLED QUADF SIGN (HATCHED AF SIGN IS VISIBLE FR UISHERS	NE SID ECTIO RANTS REAS I
1 C	NAME			
		AND METHOD — OCCUPANCY GI		
KB KNOX	вох РД	PANIC DEVICE HO	HOLD OPEN	
GENE	ERAL L	IFE SAFE	ΓΥ ΝΟΤΕ	S
TO PARTITION TYP INFORMATION. 2. FIRE RESISTANCE ARE NOT CUT BY	PES ON A-00 E RATINGS IN DOORS, WIN N MAY EXIST	HOWN ARE MINIMUI 6, AND SPECIFICATI I PARTITIONS ARE S IDOWS, STOREFROI ABOVE OBJECTS.	ONS, FOR MORE	PART OBJE
		AREA OCC	AREA PER	
SCHEDULE KITCHEN	AREA 238 SF	TYPE Kitchens -	OCCUPANT 100 SF	
KIICHEN	230 36	Commercial	100 SF	3
STORAGE	120 SF	Storage Areas	300 SF	1
ELEC	58 SF	Storage Areas	300 SF	1
	55 SF	Storage Areas	300 SF	1
TICKETS	191 SF	Business	150 SF	2
PRESS BOX	392 SF	Business	150 SF	3
	191 SF	Business	150 SF	2
PRESS BOX ELEC / MECH	392 SF	Business	150 SF	3 1
ELEC / MECH	112 SF 112 SF	Storage Areas	300 SF 300 SF	1
STORAGE	54 SF	Storage Areas Storage Areas	300 SF 300 SF	1
STORAGE	54 SF	Storage Areas	300 SF	1
STORAGE	54 SF	Storage Areas	300 SF	1
TOTAL		2.0.49071040		21
TOTAL SHOWN FOR ALL O TWO (2) PRESSBOXES, AN	D THREE (3)	HLETIC BUILDINGS I HOME DUGOUTS.		E (1)

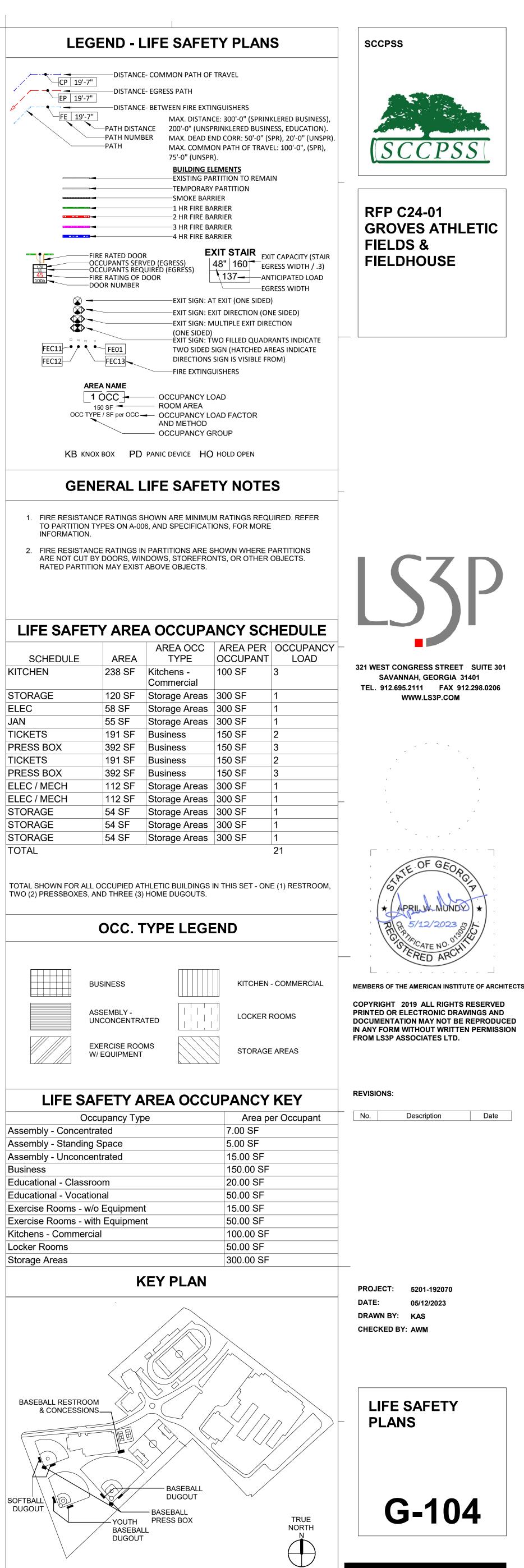






Area per O
7.00 SF
5.00 SF
15.00 SF
150.00 SF
20.00 SF
50.00 SF
15.00 SF
50.00 SF
100.00 SF
50.00 SF
300.00 SF





STRUCTURAL DESIGN CRITERIA

BUILDING CODE 2018 INTERNATIONAL BUILDING CODE (IBC)

DEAD LOAD

DESIGN DEAD LOAD TABLE			
CONSTRUCTION	DEAD LOAD		
SUPERIMPOSED ROOF (TYPICAL)	45 PSF		
SUPERIMPOSED ROOF (DUGOUTS)	10 PSF		
SUPERIMPOSED FLOOR	15 PSF		
EQUIPMENT DEAD LOAD TABLE			
EQUIPMENT	DEAD LOAD		
DHP, DAH, EF, EH	< 200 LBS		

FLOOR LIVE LOAD

FLOOR LIVE LOAD TABLE			
FLOOR USE	UNIFORM LIVE LOADING	CONCENTRATED LIVE LOADING	
PRESSBOX	50 PSF	2,000 LBS	
CONCESSIONS & DUGOUTS	100 PSF	1,000 LBS	

ROOF LIVE LOAD

ROOF LIVE LOAD TABLE				
ROOF TYPE	UNIFORM LIVE LOADING	CONCENTRATED LIVE LOADING		
ORDINARY FLAT AND PITCHED ROOF	20 PSF	300 LBS		
	L	ļ		

ROOF SNOW LOAD DATA GROUND SNOW LOAD, pg = 0 PSF

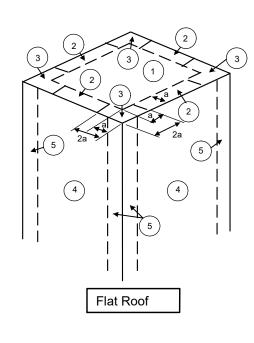
WIND DESIGN DATA

ULTIMATE DESIGN WIND SPEED, Vult = 147 MPH NOMINAL DESIGN WIND SPEED, Vasd = 114 MPH

RISK CATEGORY = II WIND EXPOSURE = B

INTERNAL PRESSURE COEFFICIENT, (GCpi) = 0.18 (ENCLOSED) COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES = (SEE TABLE BELOW) EDGE DISTANCE PARAMETER, a = 3 ft (SEE FIGURE BELOW TABLE)

COMPON	NENTS & CLA	DDING UL	TIMATE WIND PR
ELEMENT	ZONE	AREA (SQ.	pnet (PS
		FT.)	POSITIVE
		10	17.3
		20	16.1
	1	50	16.0
		100	16.0
		10	17.3
		20	16.1
	2	50	16.0
		100	16.0
		10	
DOOF	2 (OVERHANG)	20	
ROOF		50	
		100	
		10	17.3
	2	20	16.1
	3	50	16.0
		100	16.0
	3 (OVERHANG)	10	
		20	
	3 (OVERIANO)	50	
		100	
		10	42.4
		20	40.5
	4	50	38.0
WALL		100	36.1
		500	31.6
		10	42.4
		20	40.5
	5	50	38.0
		100	36.1
		500	31.6







STRUCTURAL DESIGN CRITERIA (CONTINUED)

SEISMIC DESIGN CATEGORY = B (PERMITTED FROM SDS ALONE PER ASCE7-16 SECTION 11.6)

SEISMIC FORCE RESISTING SYSTEM

DETAILING

SECTION

14.4

ANALYSIS PROCEDURE UTILIZED = EQUIVALENT LATERAL FORCE PROCEDURE (ASCE 7-16 12.8)

EARTHQUAKE DESIGN DATA

SITE CLASS = D

Ss = 0.307g

S₁ = 0.112g

 $S_{DS} = 0.318g$

 $S_{D1} = 0.178g$

T∟ = 8 sec

RISK CATEGORY = II

SEISMIC IMPORTANCE FACTOR, Ie = 1.0

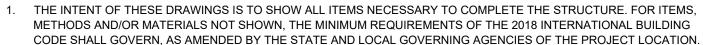
SEISMIC FORCE RESISTING SYSTEM

A9. ORDINARY REINFORCED

MASONRY SHEAR WALLS

RESPONSE MODIFICATION COEFFICIENT, R = 2

GENERAL REQUIREMENTS



- ENGINEER.
- PROJECT AS INDICATED IN THE CONSTRUCTION DOCUMENTS.

hn LIMIT

SDC B = NL

Cd

1 ³/₄

 Ω_0

 $2\frac{1}{2}$

2

- SUBMITTING BIDS.
- BRACING AND SHORING.
- THE GREATER REQUIREMENTS SHALL GOVERN.

- BY THE CONTRACTOR.
- 15. SPECIFICATIONS FOR ADDITIONAL INFORMATION): A. OPEN WEB STEEL JOISTS AND JOIST GIRDERS COLD-FORMED STEEL FRAMING
 - VEHICLE BARRIER CABLE SYSTEM GLAZING SYSTEMS
- 17. ALTERNATE PRODUCTS OF SIMILAR STRENGTH, NATURE, AND FORM FOR SPECIFIED ITEMS MAY BE SUBMITTED

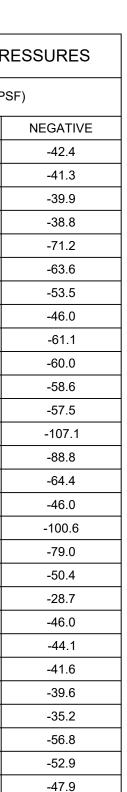
- BY THE STRUCTURAL ENGINEER.
- PREPARATION OF THOSE SHOP DRAWINGS.
- STRUCTURAL DRAWINGS FOR SHOP DRAWING PRODUCTION.
- OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
- AND ENGINEER FOR RECORD ONLY. RAMP WALLS, AND ENTRANCE SLABS NOT DETAILED HEREIN.
- AREAS TO RECEIVE ARCHITECTURAL FLOOR FINISHES. COORDINATE FLOOR JOINTS AT DOORS WITH ARCHITECTURAL DOOR DETAILS.

- a. STATEMENT OF SPECIAL INSPECTIONS b. SCHEDULE OF SPECIAL INSPECTIONS THE WORK. THE CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE TO THE INSPECTOR TO ALLOW PROPER SCHEDULING OF PERSONNEL FOR DISTRIBUTING THESE REPORTS TO THE SPECIAL INSPECTOR, THE ARCHITECT, AND THE ENGINEER OF RECORD IN A TIMELY MANNER.

NOT TO EXCEED 60 DAYS.

	SEISMIC RESPONSE C SEISMIC BASE SHEAR CON	OEFFICIENT, C₅ = 0.159 , V: CESSION (PER STRUCTUR		
		SSBOX (PER STRUCTURE) OUT (PER STRUCTURE) = 1		
GEOT	ECHNICAL INFORMATI	ON		
	PROJECT GEOTECHNI ALLOWABLE VERTICA ALLOWABLE LATERAL		0 PSF	
FLOO	D DESIGN DATA			
	FLOOD ZONE = X			
SPECI	AL LOADS			
	NOT APPLICABLE			
		REQUIRED) SUBMITTALS	
	SECTION	SUBMITTAL TYPE	SUBMITTAL DESCRIPTION	
		03 - C	ONCRETE	
			a. PRODUCT DATA	
		ACTION	b. DESIGN MIXTURES	
	033000:		c. STEEL REINFORCEMENT SHOP DRAWINGS	
	CAST-IN-PLACE		a. MATERIAL CERTIFICATES	
	CONCRETE	INFORMATIONAL	b. MATERIAL TEST REPORTS	
			c. FORMWORK SHOP DRAWINGS	
			d. FLOOR SURFACE FLATNESS/LEVELNESS MEASUREMENTS	
			a. PRODUCT DATA	
	035216:	ACTION	b. DESIGN MIXTURES	
	LIGHTWEIGHT INSULATING		c. SHOP DRAWINGS	
	CONCRETE	INFORMATIONAL	a. PRODUCT CERTIFICATES	
			b. EVALUATION REPORTS	
	04 - MASONRY			

		MEASUREMENTS
035216: LIGHTWEIGHT INSULATING		a. PRODUCT DATA
	ACTION	b. DESIGN MIXTURES
		c. SHOP DRAWINGS
CONCRETE	INFORMATIONAL	a. PRODUCT CERTIFICATES
	INFORMATIONAL	b. EVALUATION REPORTS
	04 -	MASONRY
	ACTION	a. PRODUCT DATA
042200: CONCRETE	ACTION	b. SHOP DRAWINGS
UNIT MASONRY	INFORMATIONAL	a. MATERIAL CERTIFICATES
	INFORMATIONAL	b. MIX DESIGNS
	05	- METALS
		a. PRODUCT DATA
	ACTION	b. SHOP DRAWINGS
051200:		a. QUALIFICATION DATA
STRUCTURAL		b. WELDING CERTIFICATES
STEEL FRAMING	INFORMATIONAL	c. MILL TEST REPORTS
		d. SOURCE QUALITY-CONTROL REPORTS
		e. FIELD QUALITY-CONTROL REPORTS
		a. PRODUCT DATA
	ACTION	b. SHOP DRAWINGS
052100: STEEL		c. DELEGATED-DESIGN CALCULATIONS
JOIST FRAMING	INFORMATIONAL	a. WELDING CERTIFICATES
		b. MANUFACTURER CERTIFICATES
		c. MILL CERTIFICATES
		a. PRODUCT DATA
	ACTION	b. SHOP DRAWINGS
053100: STEEL		a. WELDING CERTIFICATES
DECKING		b. PRODUCT CERTIFICATES
	INFORMATIONAL	c. EVALUATION REPORTS
		d. FIELD QUALITY-CONTROL REPORTS
		a. PRODUCT DATA
	ACTION	b. SHOP DRAWINGS
054000: COLD-FORMED METAL FRAMING		c. DELEGATED-DESIGN SUBMITTAL
		a. QUALIFICATION DATA
	INFORMATIONAL	b. WELDING CERTIFICATES
		c. PRODUCT CERTIFICATES
		d. RESEARCH REPORTS
		a. PRODUCT DATA
055000: METAL FABRICATIONS	ACTION	a. PRODUCT DATA b. SHOP DRAWINGS



-44.1

-35.2

a. PRODUCT DATA

a. EVALUATION REPORTS

06 - WOOD, PLASTICS, COMPOSITES

061600: SHEATHING

ACTION

INFORMATIONAL

METHODS AND/OR MATERIALS NOT SHOWN, THE MINIMUM REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE SHALL GOVERN, AS AMENDED BY THE STATE AND LOCAL GOVERNING AGENCIES OF THE PROJECT LOCATION. 2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO BIDDING AND/OR THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING AND/OR START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE PROVIDED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER, ARCHITECT OR 4. STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS DRAWINGS ARE NOT TO BE SCALED. WRITTEN DIMENSIONS SHALL GOVERN CONSTRUCTION. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE THE ARCHITECTURAL DRAWINGS. THE CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL DOCUMENTS PRIOR TO BIDDING AND/OR START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER SO THAT CLARIFICATION CAN BE PROVIDED. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING REQUIREMENTS OF OTHER DISCIPLINES INTO SHOP DRAWINGS AND CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF AND SHALL NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OR SEQUENCE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES AND SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE

PROGRAMS INCIDENT THERETO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS). THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL SCAFFOLDING, 9. WHERE A SECTION, DETAIL, TYPICAL DETAIL, TYPICAL SECTION, OR PLAN NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY TO ALL LIKE OR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE. 10. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES, AND SPECIFICATIONS,

11. ANY DELEGATED ENGINEERING DESIGN TO BE PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL MEET THE CRITERIA HEREIN AND SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF THE PROJECT. 12. THE STRUCTURAL ENGINEER OF RECORD HAS DELEGATED THE DESIGN OF SYSTEMS NOT SHOWN IN THE STRUCTURAL DRAWINGS. SUCH SYSTEMS SHALL BE CONSIDERED DEFERRED SUBMITTALS. DEFERRED SUBMITTALS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER (STRUCTURAL ENGINEER WHERE REQUIRED BY JURESDICTION) LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. SUBMITTALS SHALL CLEARLY INDICATE ALL LOADS AND REACTIONS TO BE IMPOSED ON THE PRIMARY STRUCTURE. SUBMITTALS SHALL INCLUDE ALL COMPONENTS AND CONNECTIONS. WHERE CONTRACT DOCUMENTS INDICATE MEMBER OR CONNECTION QUALITIES AND/OR QUANTITIES, THESE SHALL BE CONSIDERED A MINIMUM AND REMAIN THE DESIGN RESPONSIBILITY OF THE COMPONENT ENGINEER TO INCREASE AS REQUIRED TO SATISFY LOAD AND DEFLECTION REQUIREMENTS. DEFERRED SUBMITTALS SHALL INCLUDE CALCULATIONS. BOTH THE CALCULATIONS AND THE SHOP DRAWINGS OF THE DEFERRED SUBMITTAL SHALL BE SEALED PRIOR TO SUBMISSION.

13. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION AFTER APPROVAL 14. THE FOLLOWING SHALL BE CONSIDERED DEFERRED SUBMITTALS ON THIS PROJECT (REFER TO

METAL FABRICATIONS (STAIRS, HANDRAILS, LADDERS, BOLLARDS, ETC.)

SEISMIC DESIGN AND ANCHORAGE OF NON-STRUCTURAL COMPONENTS

16. COMPONENTS ATTACHED TO THE BUILDING STRUCTURE (GLAZING, CLADDING, STAIRS, ETC.) SHALL BE DESIGNED AND DETAILED TO ACCOMMODATE AN INELASTIC SEISMIC STORY DRIFT OF 0.02H, WHERE H IS THE STORY HEIGHT IN INCHES. MORE REFINED STORY DRIFTS CAN BE PROVIDED UPON REQUEST.

WITH ADEQUATE TECHNICAL DOCUMENTATION TO THE ARCHITECT/ENGINEER FOR REVIEW. ALTERNATE MATERIALS THAT ARE SUBMITTED WITHOUT ADEQUATE TECHNICAL DOCUMENTATION OR THAT SIGNIFICANTLY DEVIATE FROM THE DESIGN INTENT OF MATERIALS SPECIFIED MAY BE RETURNED WITHOUT REVIEW. 18. NO CHANGE IN SIZE OR DIMENSION OF ANY STRUCTURAL MEMBER SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD. NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD, UNLESS SPECIFICALLY DETAILED HEREIN.

19. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATINO OR TO CODES OF LOCAL OR STATE AUTHORITIES SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION, OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE. 20. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED OR OTHERWISE REDUCED IN STRENGTH UNLESS APPROVED 2.

21. DISSIMILAR METALS MUST BE SEPARATED BY A COATING SUCH AS ECK CORROSION COATING OR APPROVED EQUIVALENT OR NEOPRENE GASKET MATERIAL TO PREVENT GALVANIC ACTION. 22. THE GENERAL CONTRACTOR SHALL SUBMIT, AS REQUIRED, PRINTS OR ELECTRONIC COPIES, AS DIRECTED, OF SHOP DRAWINGS FOR ALL FABRICATED MATERIALS TO ARCHITECT FOR REVIEW. 23. REVIEW OF SHOP DRAWINGS BY THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE GENERAL CONTRACTOR OF THE SOLE RESPONSIBILITY FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE

24. REPRODUCTION/DUPLICATION OF THE STRUCTURAL DRAWINGS FOR USE IN THE PRODUCTION OF SHOP DRAWINGS 7 IS PROHIBITED, UNLESS NOTED OTHERWISE. IN THE EVENT THAT THE GENERAL CONTRACTOR OR SUBCONTRACTOR ELECTS TO PRODUCE SHOP DRAWINGS BY COPYING ELECTRONIC OR PAPER COPIES OF THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL REQUEST FROM THE STRUCTURAL ENGINEER OF RECORD A SHOP DRAWING WAIVER ALONG WITH THE SPECIFIC SHEETS REQUIRED. SIGNATURE OF THE WAIVER BY THE GENERAL CONTRACTOR, ALONG WITH PAYMENT OF A FEE TO THE STRUCTURAL ENGINEER OF RECORD WILL BE REQUIRED. THE GENERAL CONTRACTOR SHALL CONTINUE TO ASSUME RESPONSIBILITY FOR ERRORS, OMISSIONS AND COORDINATION REQUIRED FOR SHOP DRAWING PRODUCTION, REGARDLESS OF THE USE OF COPIES OF THE

25. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR FOR USE IN SHOP DRAWING PREPARATION. THE USE OF REPRODUCTIONS OF CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER, IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS/HER ACCEPTANCE OF ALL INFORMATION SHOWN HEREIN AS CORRECT AND OBLIGATES HIMSELF/HERSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREIN. 26. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE

CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATIONS OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. 27. STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, HANDRAILS, CURTAIN WALL/WINDOW WALL SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE

STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY 28. SUPPORTS FOR MOBILE CRANES AND FOUNDATIONS FOR TOWER CRANES OR HOISTS, IF APPLICABLE, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT AND RETAINED BY THE GENERAL CONTRACTOR. DESIGN CALCULATIONS AND SEALED DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT

29. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS OF ALL EXTERIOR WALKS, CANOPIES, RAMPS, 30. COORDINATE FLOOR SLAB LAYOUT WITH ARCHITECTURAL DRAWINGS FOR EXACT LIMITS AND DEPRESSIONS FOR

31. NO SPECIFIC PROVISIONS HAVE BEEN MADE FOR HORIZONTAL OR VERTICAL ADDITIONS.

STRUCTURAL SPECIAL INSPECTIONS

SPECIAL STRUCTURAL TESTS AND INSPECTIONS SHALL BE PERFORMED ON THIS PROJECT IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE (IBC). THE FOLLOWING DOCUMENTS HAVE BEEN PREPARED FOR THIS PROJECT AS A PART OF THESE CONSTRUCTION DOCUMENTS:

STATEMENT OF SPECIAL INSPECTIONS REQUIREMENTS FOR WIND RESISTANCE d. STATEMENT OF SPECIAL INSPECTIONS REQUIREMENTS FOR SEISMIC RESISTANCE

SPECIAL STRUCTURAL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN AGENCY SELECTED BY THE OWNER AND APPROVED BY THE ENGINEER OF RECORD. THE AGENCY SHALL MEET ALL OF THE REQUIREMENTS FOR APPROVAL INDICATED IN IBC SECTION 1703.1. SPECIAL INSPECTORS SHALL BE QUALIFIED PERSONS WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE CONTRACTOR SHALL COORDINATE THE INSPECTION SERVICES IN ACCORDANCE WITH THE PROGRESS OF

ALL REPORTS AND SHOP CERTIFICATION OF SPECIAL INSPECTIONS TO BE PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP SHALL BE SUBMITTED TO THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE

THE COSTS OF THE SPECIAL INSPECTOR'S SERVICES SHALL BE PAID FOR BY THE OWNER.SPECIAL INSPECTIONS REPORTS AND A FINAL REPORT IN ACCORDANCE WITH IBC SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY. REPORTS SHALL INDICATE THAT THE WORK WAS PERFORMED AND CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. WORK NOT IN CONFORMANCE SHALL BE IDENTIFIED IN THE REPORT AND SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR. A FINAL REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS, INCLUDING ANY

DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, THE ARCHITECT, AND THE ENGINEER OF RECORD PRIOR TO COMPLETION OF THE STRUCTURAL SYSTEMS BUT AT A FREQUENCY

CAST-IN-PLACE CONCRETE

- 1. ALL CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL COMPLY WITH THE MOST RECENT EDITION OF THE FOLLOWING ACI PUBLICATIONS: A. ACI 301 - GENERAL CONSTRUCTION REQUIREMENTS
- B. ACI 117 TOLERANCES FOR CONCRETE CONSTRUCTION CONCRETE SHALL BE NORMAL-WEIGHT CONCRETE (145 PCF) WITH MIXES MEETING THE FOLLOWING CRITERIA: A. FOUNDATION ELEMENTS & SLAB ON GRADE
 - a. MINIMUM 28-DAY COMPRESSIVE STRENGTH = 3000 PSI COARSE AGGREGATE SIZE = #57 STONE
 - MAXIMUM WATER-TO-CEMENTITOUS MATERIALS RATIO = 0.6 d. SLUMP LIMIT = 5 INCHES (±1 INCH) AIR CONTENT = 4.5% (+/-1.5%)
- ACCEPTABLE CEMENTIOUS MATERIALS: A. PORTLAND CEMENT - ASTM C 150, TYPE II
- FLY ASH ASTM C 618 SLAG CEMENT - ASTM C989

6.

BLENDED HYDRAULIC CEMENT - ASTM C 595, TYPE IS OR TYPE IP USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.

- ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4-INCH CHAMFER. OPENINGS, POCKETS, ETC., LARGER THAN 6" SHALL NOT BE PLACED IN CONCRETE SLABS, DECKS, WALLS, UNLESS SPECIALLY DETAILED ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE
- STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS. FOR ANY
- FURTHER RESTRICTIONS ON OPENINGS IN STRUCTURAL ELEMENTS, SEE APPLICABLE SECTIONS BELOW. UNLESS NOTED OR DETAILED OTHERWISE IN THE DRAWINGS, CAST IN PLACE CONCRETE SHALL HAVE THE FOLLOWING TRIM STEEL ADDED AROUND ALL OPENINGS: TWO (2) - #5 BARS (LENGTH OF BARS = LENGTH OF
- OPENING + 4'-0") ALONG EACH SIDE OF OPENING AND TWO (2) #5 X 5'-0" DIAGONALLY AT EACH CORNER. PIPES LARGER THAN 1 1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE
- SPECIFICALLY APPROVED. NO CONDUITS SHALL BE PLACED IN CONCRETE FILL OVER METAL DECKING. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS, OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS.
- 10. DEFECTIVE AREAS IN CONCRETE, INCLUDING BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.016 INCH SHALL BE REPAIRED. EXTENT OF DEFECTIVE AREA TO BE DETERMINED BY THE ENGINEER OF RECORD
- 11. REQUIRED CAST-IN-PLACE CONCRETE SUBMITTALS TO ENGINEER: A. PRODUCT DATA - SUBMIT TECHNICAL PRODUCT DATA FOR ANY ADMIXTURES OR CONCRETE-RELATED CONSTRUCTION PRODUCTS.
 - B. DESIGN MIXTURES THE FOLLOWING ITEMS ARE REQUIRED: MIX IDENTIFICATION BY MEANS OF CLASS OR LOCATION WHERE MIX WILL BE USED.
 - STRENGTH OF CONCRETE. TARGET SLUMP, WATER-TO-CEMENT RATIO, DENSITY, AND AIR CONTENT. LIST OF ALL MATERIALS, ADMIXTURES, AND ADDITIVES ALONG WITH THEIR PROPORTIONS.
 - NOMINAL MAXIMUM AGGREGATE SIZE AND COMBINED AGGREGATE GRADATION. • CALCULATIONS AND TEST RESULTS REQUIRED BY ACI 318-14 CHAPTER 26
 - TEST RESULTS OF TOTAL CHLORIDE CONTENT. INFORMATION ON CONCRETE MATERIALS AS PER ACI 301-14 SECTION 26.4
 - TEST RESULTS PER ASTM C33, INCLUDING THE CLEANNESS VALUE, SAND EQUIVALENT, AND ALKALI-SILICA REACTIVITY (ASR) POTENTIAL AND MITIGATION, IF REQUIRED.
 - MILL CERTIFICATE FOR THE CEMENT INDICATING THE SOURCE OF THE CEMENT AND COMPLIANCE WITH THE PROJECT SPECIFICATION.
 - MILL ANALYSIS FOR SUPPLEMENTARY CEMENTITIOUS MATERIALS (INCLUDING FLY ASH AND SLAG CEMENT) AND AGGREGATES FROM THE MANUFACTURER.
 - CERTIFICATION BY THE MANUFACTURERS THAT THE ADMIXTURES CONFORM TO THE SPECIFIED STANDARDS.
 - WHETHER MIX IS APPROPRIATE FOR PUMPING. THERMAL CONTROL PLAN, INCLUDING HOT WEATHER AND COLD WEATHER PLACEMENT.
 - STEEL REINFORCEMENT SHOP DRAWINGS PLACING DRAWINGS THAT DETAIL FABRICATION, BENDING, AND PLACEMENT OF REINFORCEMENT. 28-DAY CONCRETE ACCEPTANCE TEST REPORT AS REQUIRED BY ACI 318-14 SECTION 26.13.2

SUBGRADE PREPARATION

CONTRACTOR SHALL FOLLOW SITE WORK RECOMMENDATIONS LISTED IN THE PROJECT GEOTECHNICAL REPORT BY TERRACON CONSULTANTS, INC. DATED APRIL 14, 2020.

FOUNDATIONS

THE FOUNDATION IS DESIGNED BASED UPON THE RECOMMENDATIONS AND DESIGN PARAMETERS INCLUDED IN THE PROJECT GEOTECHNICAL REPORT PREPARED BY TERRACON CONSULTANTS, INC. AND DATED APRIL 14, 2020. SOIL PRESSURES USED FOR FOUNDATION DESIGN: a. ALLOWABLE BEARING PRESSURE = 2000 PSF

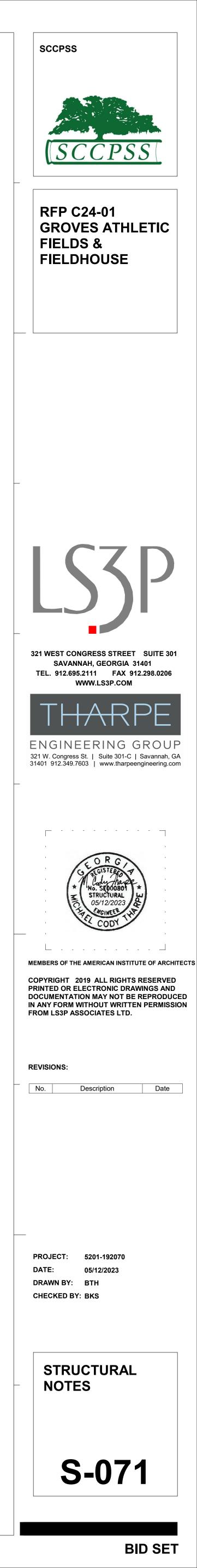
- b. ALLOWABLE PASSIVE PRESSURE = 200 PCF ALL FOUNDATIONS SHALL BE PLACED ON COMPACTED SUBGRADE. SEE SUBGRADE PREPARATION NOTES.
- THE BOTTOM OF ALL EXTERIOR FOUNDATIONS SHALL BE A MINIMUM OF 18 INCHES BELOW FINISHED GRADE UNLESS NOTED OTHERWISE REMOVE ALL WATER SOFTENED SOILS FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING CONCRETE. FILL
- REMAINING VOIDS WITH ADDITIONAL CONCRETE. ALL FOUNDATION REINFORCEMENT SHALL BE PROPERLY TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. WHERE FINISHED GRADES DIFFER ON OPPOSITE SIDES OF FOUNDATION WALLS, PROVIDE TEMPORARY BRACING TO PREVENT LATERAL MOVEMENT UNTIL ALL ADJACENT FILL, COMPACTION, FLOOR SLABS, AND FRAMING AT NEXT
- LEVEL HAS BEEN COMPLETED. WHERE GRAVITY PLUMBING LINES OCCUR BELOW TOP OF WALL FOOTING, STEP FOOTING DOWN TO PROVIDE CLEARANCES INDICATED ON DETAIL "WALL FOOTING DETAILS - INTERFERENCE OFFSET AT GRAVITY SEWER" UNLESS OTHERWISE SPECIFIED. COORDINATE WITH PLUMBING DRAWINGS FOR LOCATIONS, SIZES, AND INVERTS.

REINFORCING STEEL

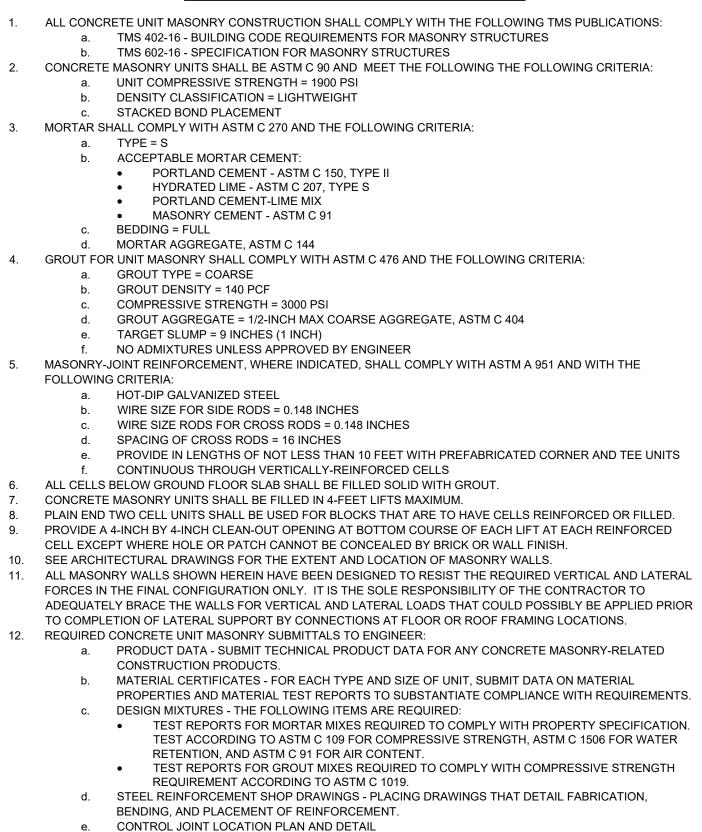
FABRICATING, PLACING, AND SUPPORTING REINFORCEMENT SHALL COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE." REINFORCING BARS SHALL BE ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. REINFORCING BARS IN WELDED CONDITIONS, WHERE PERMITTED, SHALL BE ASTM A 706, DEFORMED.

STEEL WELDED-WIRE REINFORCEMENTS SHALL BE ASTM A 1064 WITH 70 KSI MINIMUM YIELD STRENGTH. NO REINFORCEMENT SHALL BE FLAME-CUT OR BENT IN FIELD WITHOUT GUIDANCE FROM STRUCTURAL ENGINEER. REINFORCING STEEL SHALL HAVE COVER PROTECTION AS FOLLOWS:

CONCRETE COVER PROTECTION TAE	BLE
CONDITION	MINIMUM COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3 INCHES
CONCRETE EXPOSED TO EARTH OR WEATHER:	
WALL PANELS, SLABS, JOISTS	1 INCH
OTHER MEMBERS	1 ¹ / ₂ INCHES
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS	³ ⁄ ₄ INCHES
BEAMS, COLUMNS:	
PRIMARY REINFORCEMENT	1½ INCHES
TIES, STIRRUPS, SPIRALS	1 INCH



CONCRETE UNIT MASONRY



WOOD STRUCTURAL PANELS

1. ALL WOOD STRUCTURAL PANELS SHALL BE APA TRADEMARKED STRUCTURAL-USE PANELS QUALIFIED AND MANUFACTURED IN ACCORDANCE WITH APA PRP-108 (PERFORMANCE STANDARDS AND QUALIFICATION POLICY FOR STRUCTURAL-USE PANELS) AND U.S. DEPARTMENT OF COMMERCE VOLUNTARY PRODUCT STANDARDS PS 1-09 (STRUCTURAL PLYWOOD) AND PS 2-04 (PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS) AND SHALL BE IDENTIFIED BY THE MARK OF AN APPROVED TESTING AND GRADING AGENCY.

WOOD STRUCTURAL PANELS							
USAGE	THICKNESS	CONSTRUCTION	BOND CLASSIFICATION	PANEL GRADE	SPAN RATING		
ROOF	¹⁵ ⁄ ₃₂ IN.	PLYWOOD	EXP. 1	SHEATHING	³² / ₁₆		

- INSTALL ALL PANELS AT FLOOR AND ROOF WITH THE LONG DIMENSIONS OF THE PANEL ACROSS SUPPORTS AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. STAGGER PANEL END JOINTS. ALLOW 1/8" SPACING AT PANEL ENDS AND EDGES UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER 3. PROVIDE BLOCKING AT UNSUPPORTED PANEL EDGES AS FOLLOWS:
- a. ROOFS FULLY BLOCKED; WHERE BLOCKING IS NOT SPECIFICALLY REQUIRED FOR THE ROOF SHEATHING, PLY CLIPS OR TONGUE AND GROOVE PLYWOOD SHALL BE USED. ALL NAILS FOR PANEL ATTACHMENT SHALL NOT BE OVERDRIVEN.
- WHERE EITHER 2" OR 2 1/2" FASTENER SPACINGS ARE USED FOR WOOD STRUCTURAL PANELS USED AT ROOF OR FLOOR, THE FRAMING MEMBER AT THE ADJOINING PANEL SHALL BE 3" NOMINAL WIDTH AND THE NAILS AT PANEL EDGES SHALL BE STAGGERED IN TWO LINES.
- 7. NAILS AT ABUTTING PANEL EDGES MUST PENETRATE THE SAME PIECE OF FRAMING OR BLOCKING.



S
LLOWING CRITERIA:
RITERIA:
51 AND WITH THE

COLD-FORMED METAL FRAMING

THE STRUCTURAL DESIGN, FRAMING, FABRICATION, AND ITS INSTALLATION SHALL MEET THE FOLLOWING SPECIFICATIONS AND STANDARDS UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED: a. AISI S100/SI: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL

STRUCTURAL MEMBERS, WITH SUPPLEMENT 1, DATED 2010 AISI S200: NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS COLD-FORMED MEMBERS AND CONNECTIONS SHALL BE DESIGNED AND DETAILED BY A SPECIALTY ENGINEER IN 2. CCORDANCE WITH THE REQUIREMENTS HEREIN. DESIGN CONSTRAINTS SUCH AS DEPTH AND WIDTH LIMITATIONS, MINIMUM STEEL THICKNESSES, AND CRITICAL DIMENSIONING ARE PROVIDED WITHIN THE PLANS AND DETAILS OF THE CONSTRUCTION DOCUMENTS. OUT-OF-PLANE DESIGN LOADING SHALL BE DETERMINED FROM THE COMPONENTS AND CLADDING WIND RESSURE TABLE AND THE SEISMIC INFORMATION LISTED UNDER THE STRUCTURAL DESIGN CRITERIA.

GRAVITY LOADINGS FOR LOAD-BEARING MEMBERS ARE PROVIDED WITHIN THE PLANS AND DETAILS OF THE CONSTRUCTION DOCUMENTS. THE DEFLECTION LIMITS FOR THE DESIGN MEMBERS SHALL BE AS FOLLOWS:

DEFLECTION LIMITS							
LIVE LOAD	SNOW LOAD	WIND LOAD	DEAD + LIVE				
L/360	L/360	L/360	L/240				
L/360			L/240				
		L/240					
	LIVE LOAD L/360 L/360	DEFLECT LIVE LOAD SNOW LOAD L/360 L/360 L/360	DEFLECTION LIMITS LIVE LOAD SNOW LOAD WIND LOAD L/360 L/360 L/360 L/360				

THE FRAMING PROVIDER SHALL BE A SSMA CERTIFIED MANUFACTURER SPECIALIZING IN FABRICATION OF STRUCTURAL FRAMING COMPONENTS. THE CHEMICAL COMPOSITION, COATING, AND PROPERTIES OF THE SHEET STEEL USED TO FORM STEEL FRAMING MEMBERS AND ACCESSORIES SHALL MEET THE FOLLOWING STANDARDS: ASTM A1003: STANDARD SPECIFICATION FOR STEEL SHEET, CARBON, METALLIC- AND а.

SHEET MATERIAL							
SHEET THICKNESS		GRADE	COATING				
MILS	GAUGE	GRADE	COATING				
33	20	STRUCTURAL GRADE 33 TYPE H (ST33H)	G60 (Z180) METALLIC				
43	18	STRUCTURAL GRADE 33 TYPE H (ST33H)	G60 (Z180) METALLIC				
54	16	STRUCTURAL GRADE 50 TYPE H (ST50H)	G60 (Z180) METALLIC				
68	14	STRUCTURAL GRADE 50 TYPE H (ST50H)	G60 (Z180) METALLIC				
97	12	STRUCTURAL GRADE 50 TYPE H (ST50H)	G60 (Z180) METALLIC				
118	10	STRUCTURAL GRADE 50 TYPE H (ST50H)	G60 (Z180) METALLIC				

NONMETALLIC-COATED FOR COLD-FORMED FRAMING MEMBERS

THE FRAMING MEMBERS AND MANUFACTURING TOLERANCES SHALL MEET THE FOLLOWING STANDARDS: a. ASTM C955: STANDARD SPECIFICATION FOR LOAD-BEARING (TRANSVERSE AND AXIAL) STEEL STUDS. RUNNERS (TRACKS), AND BRACING OR BRIDGING FOR SCREW APPLICATION OF GYPSUM PANEL PRODUCTS AND METAL PLASTER BASES 10. THE FRAMING MEMBERS SHALL CONFORM TO THE FOLLOWING GEOMETRICAL REQUIREMENTS:

FRAMING GEOMETRICAL REQUIREMENTS

FRAMING TYPE	SHAPE	WEBS	FLANGES	NOTES
STUDS	STANDARD C-SHAPE	PUNCHED	STIFFENED	
TRACKS	STANDARD U-SHAPE	UNPUNCHED	STRAIGHT	STEEL THICKNESS TO MATCH MINIMUM BASE-METAL THICKNESS OF STEEL STUDS
BOX OR BACK-TO-BACK HEADERS	STANDARD C-SHAPES	UNPUNCHED	STIFFENED	

11. THE FRAMING MEMBERS SHALL HAVE A LEGIBLE LABEL, STAMP, STENCIL, OR EMBOSSMENT AT A MINIMUM OF 48 INCHES ON CENTER INCLUDING THE FOLLOWING INFORMATION: MANUFACTURER IDENTIFICATION MINIMUM UNCOATED STEEL THICKNESS

MINIMUM YIELD STRENGTH GRADE e. COATING

12. THE FRAMING MEMBERS SHALL BE IN ONE-PIECE LENGTHS. SPLICING OF FRAMING COMPONENTS, OTHER THAN THE CONTINUOUS TRACK AT THE TOP AND BOTTOM OF WALLS, IS NOT PERMITTED. SPLICING OF TRACK USED FOR THE JAMB, HEAD, OR SILL ASSEMBLIES OF FRAMED WALL OPENINGS IS NOT PERMITTED. 13. THE INSTALLATION OF MEMBERS SHALL MEET THE FOLLOWING STANDARDS a. ASTM C1007: SPECIFICATION FOR INSTALLATION OF LOAD BEARING (TRANSVERSE AND AXIAL) STEEL 9. STEEL COLUMNS, BASE PLATES, AND ALL STEEL BELOW GRADE SHALL HAVE A MINIMUM 3" CONCRETE COVER

STUDS AND RELATED ACCESSORIES 14. THE INSTALLER SHALL INSTALL TEMPORARY BRACING AND SUPPORTS TO SECURE FRAMING AND SUPPORT LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH STRUCTURE WAS DESIGNED. MAINTAIN BRACES AND SUPPORTS IN PLACE, UNDISTURBED, UNTIL ENTIRE INTEGRATED SUPPORTING STRUCTURE HAS BEEN COMPLETED AND PERMANENT CONNECTIONS TO FRAMING ARE SECURED. 15. PUNCHOUTS, CUTTING, OR NOTCHING OF JOISTS, STUDS, HEADERS, AND OTHER STRUCTURAL MEMBERS SHALL

NOT BE PERFORMED WITHOUT AN APPROVED DESIGN. 16. THE FRAMING MEMBERS SHALL HAVE ENDS SQUARELY CUT BY SHEARING OR SAWING, BE INSTALLED PLUMB, SQUARE, TRUE TO LINE AND SECURELY FASTENED PER THE CONTRACT DOCUMENTS OR APPROVED CONNECTION DFTAILS. 17. INSTALL HORIZONTAL BRIDGING IN STUD SYSTEM, SPACED VERTICALLY 48 INCHES AND FASTENED AT EACH STUD

- INTERSECTION USING ONE OF THE METHODS BELOW: a. COLD-ROLLED CHANNEL, WELDED OR MECHANICALLY FASTENED TO WEBS OF PUNCHED STUD WITH A MINIMUM OF TWO SCREWS INTO EACH FLANGE OF THE CLIP ANGLE FOR FRAMING MEMBERS UP TO 6 INCHES DEEP b. COMBINATION OF FLAT, TAUT, STEEL SHEET TRAPS OF WIDTH AND THICKNESS INDICATED AND
- STUD-TRACK SOLID BLOCKING OF WIDTH AND THICKNESS TO MATCH STUDS. FASTEN FLAT STRAPS TO STUD FLANGES AND SECURE SOLID BLOCKING TO STUD WEBS OR FLANGES. PROPRIETARY BRIDGING BARS INSTALLED ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS

18. THE SCREWS USED FOR ATTACHING FRAMING MEMBERS AND FOR ATTACHING SHEATHING TO FRAMING SHALL MEET THE FOLLOWING STANDARDS: a. ASTM C1513: STANDARD SPECIFICATION FOR STEEL TAPPING SCREWS FOR COLD-FORMED STEEL FRAMING CONNECTIONS

- ASTM C954: STANDARD SPECIFICATION FOR STEEL DRILL SCREWS FOR THE APPLICATION OF GYPSUM PANEL PRODUCTS OR METAL PLASTER BASES TO STEEL STUDS FROM 0.033 INCH (0.084 MM) TO 0.112 INCH (2.84 MM) IN THICKNESS c. ASTM C1002: STANDARD SPECIFICATION FOR STEEL SELF-PIERCING TAPPING SCREWS FOR THE
- APPLICATION OF GYPSUM PANEL PRODUCTS OR METAL PLASTER BASES TO WOOD STUDS OR STEEL 19. WELDING PROCEDURE AND PERSONNEL QUALIFICATIONS FOR ATTACHING FRAMING MEMBERS SHALL BE IN

ACCORDANCE WITH THE FOLLOWING: a. AWS D1.3: STRUCTURAL WELDING CODE - SHEET STEEL 20. ANY WELDING OR ABRASION OF THE GALVANIZED COATING SHALL BE PAINT REPAIRED IN ACCORDANCE WITH

WHICH THE PROJECT SHALL BE CONSTRUCTED.

ASTM A780: STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS

21. THE MANUFACTURER SHALL SUBMIT PRODUCT DATA, SHOP DRAWINGS, AND STRUCTURAL CALCULATIONS INCLUDING THE FOLLOWING a. PRODUCT DATA: FOR EACH TYPE OF COLD-FORMED STEEL FRAMING PRODUCT AND ACCESSORY UTILIZED FOR THE PROJECT

b. SHOP DRAWINGS INCLUDING THE FOLLOWING: MEMBER LAYOUT, SPACINGS, SIZES, THICKNESSES, AND TYPES OF COLD-FORMED STEEL FRAMING; FABRICATION; AND FASTENING AND ANCHORAGE DETAILS, INCLUDING MECHANICAL FASTENERS

 INDICATE REINFORCING CHANNELS, OPENING FRAMING, SUPPLEMENTAL FRAMING, STRAPPING, BRACING, BRIDGING, SPLICES, ACCESSORIES, CONNECTION DETAILS, AND ATTACHMENT TO ADJOINING WORK. STRUCTURAL CALCULATIONS: CONTRACTOR SHAL PROVIDE CALCULATIONS FOR ALL MEMBERS AND CONNECTIONS BEARING THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN

- AT SURFACES ENCASED IN CON BEAMS TO RECEIVE HEADED ST AFTER INSTALLATION, PROMPTLY CLEAN, PREPARE, AND REPRIME FIELD CONNECTIONS, RUST SHALL BE PAINTED AFTER INSTALLATION. NUTS FOR BOLTING OF GALVANIZED ITEMS. REPAIR DAMAGED GALVANIZED COATINGS ON GALVANIZED ITEMS WITH GALVANIZED REPAIR PAINT USING DIRECT-TENSION-INDICATOR WASHERS. SHALL BE COMPLETED AND PLUMB PRIOR TO PLACEMENT OF DECK. BASE PLATES. PROTECTION. AND COLUMN BASE PLATES. ENGINEER HAS REVIEWED AND APPROVED THE SHOP DRAWINGS. REQUIRED STRUCTURAL STEEL SUBMITTALS TO THE ENGINEER: а. FOLLOWING ITEMS REQUIRED: THAN THE REFERENCED PLAN ON THE CONTRACT DOCUMENTS.
- DIMENSIONED ANCHOR ROD LAYOUT OTHER PERTINENT DATA. INCLUDE EMBEDMENT DRAWINGS WELDING CERTIFICATES e.
- COMPLY WITH THE REQUIREMENTS BOLTS, NUTS, AND WASHERS; INCLUDING MECHANICAL PROPERTIES AND CHEMICAL ANALYSIS. DIRECT-TENSION INDICATORS SHEAR STUD CONNECTORS SHOP PRIMERS NONSHRINK GROUT
- FURNISHED BY JOIST FABRICATOR. BUILDING CODE (IBC) ON THE PLANS, STRUCTURAL NOTES, OR DETAILS. ROOF JOISTS SHALL BE DESIGNED TO RESIST A NET UPLIFT OF 15 PSF. a. LIVE LOAD DEFLECTION LIMIT = L/360. b. TOTAL LOAD DEFLECTION LIMIT = L/240. TERMINATE WITH DIAGONAL BRIDGING AT ALL END BAYS. 9. ALL JOISTS SHALL A MINIMUM BEARING PER DETAIL AND JOIST MANUFACTURER AND SHALL BE PROPERLY ANCHORED AT BEARING POINTS. 12. REQUIRED STEEL JOISTS SUBMITTALS TO THE ENGINEER: REGISTERED IN THE STATE WHERE MANUFACTURED.
 - SPLICES, AND BRIDGING ATTACHMENTS SIZE, LOCATION, AND CONNECTIONS FOR ALL BRIDGING. e. JOIST HEADERS.

AND STANDARDS:

 AISC 303-10 - AISC CODE OF 317 b. AISC 341-16 - SEISMIC PROVISIO c. AISC 360-16 - SPECIFICATION FC MATERIAL REQUIREMENTS FOR STRUCTURA 	NS FOR STRUCTURAL	STEEL BUILDI . BUILDINGS
STRUCTURAL SHAPES AN	ID PLATES	
SHAPE SERIES	ASTM DESIGNATION	
W & WT	ASTM A992	
M & MT	ASTM A36	
S & ST	ASTM A36	
HP	ASTM A572, GR. 50	
C & MC	ASTM A36	
L	ASTM A36	
HSS RECTANGULAR	ASTM A500, GR. B	
HSS ROUND	ASTM A500, GR. B	
PIPE	ASTM A53, GR. B	
PLATES & BARS	ASTM A36	
MATERIAL REQUIREMENTS FOR STRUCTURA		LDING:
	ASTM	
FASTNER TYPE	DESIGNATION	
HIGH-STRENGTH BOLTS	ASTM A325	
COMMON BOLTS	ASTM A307, GR. A	
NUTS	ASTM A563	
WASHERS	ASTM F436	
DIRECT-TENSION-INDICATOR WASHERS	ASTM F959	
THREADED RODS	ASTM A36	
HEADED STUD ANCHORS	ASTM A108	
ANCHOR RODS	ASTM F1554, GR. 36	
WELDING ELECTRODES	AWS D1.1, E70 SERIES	

STEEL COATING REQUIREMENTS: SHOP PAINT ALL STEEL SURFAC

1. ALL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM TO THE APPLICABLE STRUCTURAL STEEL CODES AISC 303-16 - AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES

CES WITH FABRICATOR'S STANDARD RUST-INHIBITING PRIMER, EXCEPT
NCRETE, SURFACES TO RECEIVE FIREPROOFING, TOP FLANGES OF
TUDS, AND FAYING SURFACES OF BOLTED CONNECTIONS.

SPOTS, AND ABRADED SURFACES WITH A PRIMER OF SAME TYPE AS SHOP PRIMER AFTER SURFACE PREPARATION PER SSPC-SP2 (HAND-TOOL CLEANING) OR SSPC-SP3 (POWER-TOOL CLEANING). ALL ARCHITECTURALLY-EXPOSED STEEL SHALL BE PRIMED AND PAINTED ACCORDING TO ARCHITECTURAL PAINT SPECIFICATIONS AFTER SANDBLAST CLEANING PER SSPC-SP6. METAL DECK

ALL EXTERIOR ELEMENTS AND THOSE ELEMENTS NOTED TO BE GALVANIZED SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AFTER SANDBLAST CLEANING PER SSPC-SP10. USE HOT-DIPPED GALVANIZED BOLTS, GALVANIZED HARDENED WASHERS, AND GALVANIZED HEAVY HEX

ACCORDING TO ASTM A780 AND MANUFACTURER'S WRITTEN INSTRUCTIONS. ALL BOLTS SHALL BE 3/-INCH DIAMETER MINIMUM HIGH-STRENGTH BOLTS TO BE SNUG TIGHTENED UNLES NOTED OTHERWISE. IF BOLTS ARE REQUIRED TO BE PRETENSIONED, DESIGN TORQUE SHALL BE DEVELOPED

TEMPORARY BRACING OF STEEL STRUCTURAL ELEMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR. STRUCTURAL STABILITY SHALL BE MAINTAINED AT ALL TIMES DURING THE ERECTION PROCESS. STEEL FRAMING ERECTION INCLUDING ALL BOLTED AND WELDED CONNECTIONS, BRACING, AND ANCHORAGES NON-SHRINK, NON-METALLIC GROUT WITH A 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI SHALL BE USED UNDER

10. ENGINEER SHALL BE CONTACTED FOR APPROVAL OF ANY FIELD MODIFICATIONS OF ANCHOR BOLTS OR RODS 11. NO WORK OR FABRICATION SHALL BE COMMENCED OR MATERIAL DELIVERED TO THE PROJECT SITE UNTIL THE

> PRODUCT DATA - SUBMIT TECHNICAL DATA FOR ANY STEEL-RELATED CONSTRUCTION PRODUCTS. SHOP DRAWINGS - SHOWING FABRICATION OF STRUCTURAL-STEEL COMPONENTS WITH THE DIMENSIONED LAYOUT PLAN, INCLUDING PIECE MARK LABELS, AT A DRAWING SCALE NOT LESS

 SECTIONS AND DETAILS TO ADEQUATELY DEPICT CONNECTIONS. • PIECE MARK DETAILS SHALL INCLUDE CUTS, CONNECTIONS, SPLICES, CAMBER, HOLES, AND

 INDICATE WELDS BY STANDARD AWS SYMBOLS, DISTINGUISHING BETWEEN SHOP AND FIELD WELDS, AND SHOW SIZE, LENGTH, AND TYPE OF EACH WELD. INDICATE TYPE, SIZE, AND LENGTH OF BOLTS, DISTINGUISHING BETWEEN SHOP AND FIELD BOLTS. IDENTIFY PRETENSIONED AND SLIP-CRITICAL HIGH-STRENGTH BOLTED CONNECTIONS. QUALIFICATION DATA - SHOWING FABRICATOR AND ERECTOR QUALIFICATIONS SUCH THAT QUALITY ASSURANCE INSPECTIONS MAY BE WAIVED AS STATED IN AISC 360 CHAPTER N7. MILL TEST REPORTS - SIGNED BY MANUFACTURERS CERTIFYING THAT THE FOLLOWING PRODUCTS STRUCTURAL STEEL, INCLUDING CHEMICAL AND PHYSICAL PROPERTIES

STEEL JOISTS

ALL STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH STEEL JOIST INSTITUTE (SJI) STANDARD SPECIFICATIONS AND CODE OF STANDARD PRACTICE (LATEST EDITION). THE JOIST MANUFACTURER SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN, FABRICATION AND ERECTION PROCEDURES OF ALL JOISTS, BRIDGING AND/OR BRACING, ETC. FOR A COMPLETE INSTALLATION OF THE JOIST SYSTEM. CONNECTIONS AND BEARING MATERIAL TO BE SHOP CONNECTED TO JOISTS AND DESIGNED AND

THE JOIST MANUFACTURER SHALL BE A SJI CERTIFIED SHOP AND MAINTAIN APPROVED FABRICATION PROCEDURES AS REQUIRED TO SATISFY THE SPECIAL INSPECTION REQUIREMENTS OF THE INTERNATIONAL

4. JOIST SIZES ARE INDICATED ON PLANS AND SCHEDULES USING STANDARD SJI JOIST DESIGNATIONS. JOISTS SHALL BE DESIGNED PER SJI STANDARD LOAD TABLES INCLUDING ANY SPECIAL OR ADDITIONAL LOADS NOTED

6. ROOF AND FLOOR JOISTS SHALL BE DESIGNED TO LIMIT THE ALLOWABLE DEFLECTIONS TO THE FOLLOWING:

JOIST BRIDGING SHALL CONFORM TO SJI SPECIFICATIONS AND AS INDICATED ON THE DRAWINGS. 8. PROVIDE AN ADDITIONAL ROW OF CONTINUOUS HORIZONTAL BOTTOM CHORD BRIDGING AT THE FIRST PANEL POINT LOCATION AT EACH END OF ALL ROOF JOISTS (TO RESIST WIND UPLIFT). UPLIFT BRIDGING SHALL

10. JOIST BRIDGING AND CONNECTIONS SHALL BE COMPLETELY INSTALLED PRIOR TO PLACING ANY CONSTRUCTION LOADS ON THE JOISTS. CONSTRUCTION LOADING SHALL NOT EXCEED THE JOIST DESIGN LOAD. 11. ALL JOISTS SHALL BE SHOP PAINTED WITH RUST-INIBITING PRIMER THAT CONFORMS TO THE SJI SPECIFICATIONS.

PRODUCT DATA - SUBMIT DATA TO SHOW COMPLIANCE WITH MATERIAL REQUIREMENTS. DESIGN CALCULATIONS - SUBMIT CALCULATIONS FOR ALL SPECIAL JOISTS PRIOR TO FABRICATION. THESE CALCULATIONS SHALL BEAR THE SIGNED AND DATED SEAL OF A PROFESSIONAL ENGINEER c. SHOP DRAWINGS - SUBMIT STEEL JOIST PLACEMENT PLANS TO SHOW THE MATERIAL AS SPECIFIED

TO BE UTILIZED FOR FIELD INSTALLATION IN ACCORDANCE WITH SPECIFIC PROJECT REQUIREMENTS. PLACEMENT PLANS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING: LISTING OF ALL APPLICABLE LOADS USED IN THE DESIGN OF THE STEEL JOISTS AND JOIST GIRDERS AS SPECIFIED IN THE CONSTRUCTION DOCUMENTS. PROFILES FOR NON-STANDARD JOIST AND JOIST GIRDER CONFIGURATIONS.

 CONNECTION REQUIREMENTS FOR JOIST SUPPORTS, JOIST GIRDER SUPPORTS, FIELD DEFLECTION CRITERIA FOR LIVE LOAD AND TOTAL LOADS FOR NON-SJI STANDARD JOISTS.

STEEL ROOF AND NON-COMPOSITE FORM DECK

STEEL DECKING SHALL COMPLY WITH CALCULATED STRUCTURAL CHARACTERISTICS OF STEEL DECK ACCORDING TO AISI NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS

ROOF DECK SHALL BE PANELS WITHOUT TOP-FLANGE STIFFENING GROOVES TO COMPLY WITH SDI SPECIFICATIONS AND COMMENTARY FOR STEEL ROOF DECK IN SDI PUBLICATION NO. 31 AND WITH THE FOLLOWING:

a. GALVANIZED-STEEL SHEET: ASTM A653 GRADE 33, G90 ZINC COATING DECK PROFILE: TYPE WR. WIDE RIB

MINIMUM SECTION PROPERTIES: (DECK PRODUCTS WITH DEVIATIONS UP TO 10% FROM LISTED VALUES ARE ACCEPTABLE WITHOUT THE WRITTEN APPROVAL FROM ENGINEER).

ROOF DECK SECTION PROPERTIES							
DECK TYPE	THICKNESS (IN)	Ip (IN^4/FT)	In (IN^4/FT)	S _p (IN^3/FT)	Sn (IN^3/FT)	Fy (KSI)	
1.5B22 1.5BV22	0.0295	0.162	0.175	0.183	0.189	33	

NON-COMPOSITE FORM DECK SHALL BE RIBBED-STEEL-SHEET FORM-DECK PANELS TO COMPLY WITH SDI SPECIFICATIONS AND COMMENTARY FOR NON-COMPOSITE STEEL FORM DECK IN SDI PUBLICATION NO. 31 AND WITH THE FOLLOWING: a. GALVANIZED-STEEL SHEET: ASTM A653, G90 ZINC COATING MINIMUM SECTION PROPERTIES: (DECK PRODUCTS WITH DEVIATIONS UP TO 10% FROM LISTED

VALUES ARE ACCEPTABLE WITHOUT THE WRITTEN APPROVAL FROM ENGINEER).

FORM DECK SECTION PROPERTIES							
DECK TYPE	THICKNESS (IN)	Ip (IN^4/FT)	In (IN^4/FT)	S _p (IN^3/FT)	Sn (IN^3/FT)	Fy (KSI)	
0.6FD22	0.0295	0.022	0.022	0.073	0.073	60	

PROVIDE A MINIMUM END BEARING OF 2" OVER SUPPORTS. END LAPS OF SHEETS SHALL BE A MINIMUM OF 2" AND SHALL OCCUR OVER SUPPORTS. ALL OPENINGS LARGER THAN 12", AND AS DETAILED, SHALL HAVE STEEL FRAMING SUPPORTING ALL EDGES. SEE DETAILS HEREIN

- DECK SHALL BE FABRICATED SO THAT DECK RUNS CONTINUOUSLY OVER OPENINGS. THE OPENINGS SHALL NOT BE CUT UNTIL NEEDED. ALL STEEL DECK WELDING SHALL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY SPECIFICATIONS D1.3.
- PROVIDE WELDING WASHERS FOR ALL FLOOR DECK WELDS. SUSPENDED CEILINGS, LIGHT FIXTURES, DUCTS AND OTHER PERMANENT SUSPENDED LOADS SHALL NOT BE
- SUPPORTED BY THE METAL DECKING. REQUIRED STEEL DECKING SUBMITTALS TO THE ENGINEER: a. PRODUCT DATA - SUBMIT DATA TO SHOW COMPLIANCE WITH MATERIAL AND SECTION
- REQUIREMENTS.

b. SHOP DRAWINGS - SUBMIT DETAILED SHOP DRAWINGS PRIOR TO FABRICATION SHALL INCLUDE LAYOUT AND TYPES OF DECK PANELS, ANCHORAGE DETAILS, REINFORCING CHANNELS, PANS, CUT DECK OPENINGS, SPECIAL JOINTING, ACCESSORIES, AND ATTACHMENTS TO OTHER CONSTRUCTION.

POST-INSTALLED REBAR, ANCHORS, AND FASTENERS

THE PRODUCTS BELOW ARE THE DESIGN BASIS FOR THIS PROJECT. PRODUCT DIAMETER AND EMBEDMENT SHALL BE AS SHOWN IN THE DETAILS. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII). CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR PRODUCT INSTALLATION TRAINING AND A LETTER SHALL BE SUBMITTED TO THE ENGINEER OF RECORD INDICATING THAT TRAINING HAS TAKEN PLACE. REFER TO THE PROJECT BUILDING CODE AND/OR EVALUATION REPORT FOR SPECIAL INSPECTIONS AND PROOF LOAD REQUIREMENTS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTED BELOW MAY BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER OF RECORD FOR REVIEW. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A RESEARCH REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION UNDER THE PROJECT BUILDING CODE. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT PERFORMANCE VALUES OF THE DESIGN BASIS PRODUCT

FOR ANCHORING INTO CONCRETE:

MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. PRE-APPROVED PRODUCTS INCLUDE: SCREW ANCHORS

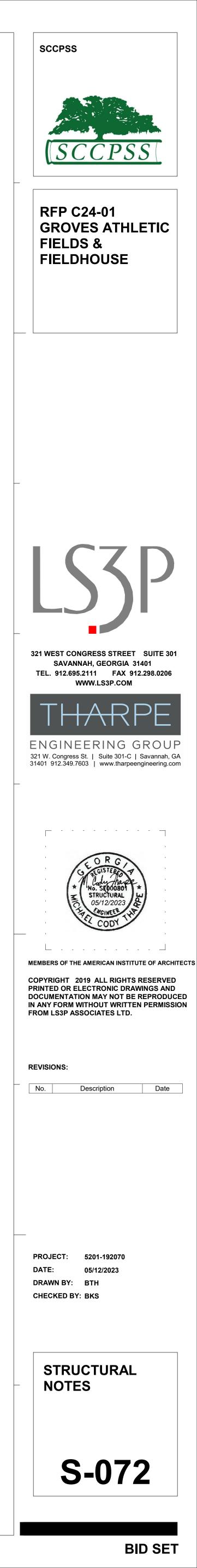
- a. SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-2713) b. DEWALT SCREW-BOLT+ (ICC-ES ESR-3889)
- c. HILTI KWIK HUS EZ SCREW ANCHORS (ICC-ES ESR-3027) EXPANSION ANCHORS
- SIMPSON STRONG-TIE STRONG-BOLT 2 (ICC-ES ESR-3037)
- e. DEWALT POWER-STUD+ SD2 (ICC-ES ESR-2502) f. HILTI KWIK TZ (ICC-ES ESR-1917)
- UNDERCUT ANCHORS g. SIMPSON STRONG-TIE TORQ-CUT (ICC-ES ESR-2705)
- h. DEWALT ATOMIC+ UNDERCUT (ICC-ES ESR-3067) i. HILTI HDA UNDERCUT (ICC-ES ESR-1546)
- ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN BOND STRENGTH HAS BEEN BASED ON CRACKED CONCRETE, ACI 355.4 TEMPERATURE CATEGORY B, AND INSTALLATIONS INTO DRY HOLES DRILLED USING A HAMMER DRILL INTO CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS SHALL
- BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-14 17.8.2.2 WHERE INDICATED ON THE CONTRACT DOCUMENTS. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-14 17.8.2.4. PRE-APPROVED PRODUCTS INCLUDE:
 - a. SIMPSON STRONG-TIE SET-3G (IAPMO-UES ER-4057) b. SIMPSON STRONG-TIE AT-XP (IAPMO-UES ER-263)
 - c. DEWALT PURE 110 + (ICC-ES ESR-3298) d. DEWALT AC200+ (ICC-ES ESR-4027)
 - e. HILTI HIT-HY 200-R (ICC-ES ESR-3187) f. HILTI HIT-HY 200-A (ICC-ES ESR-3187)
- POWDER-POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
 - a. SIMPSON STRONG-TIE GAS ACTUATED PINS (ICC-ES ESR-2811)
 - SIMPSON STRONG-TIE POWDER ACTUATED PINS (ICC-ES ESR-2138) DEWALT GAS ACTUATED FASTENERS (ICC-ES ESR-3275)
 - d. DEWALT POWDER ACTUATED FASTENERS (ICC-ES ESR-2024) e. HILTI X-U (ICC-ES ESR-2269)
- FOR ANCHORING INTO SOLID GROUTED CONCRETE MASONRY:
- MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106. PRE-APPROVED PRODUCTS INCLUDE:
 - SCREW ANCHORS a. SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-1056)
 - b. DEWALT SCREW-BOLT+ (ICC-ES ESR-4042) **EXPANSION ANCHORS**
 - SIMPSON STRONG-TIE STRONG-BOLT 2 (IAPMO-UES ER-240) d. DEWALT POWER-STUD+ SD1 (ICC-ES ESR-2966)
 - e. HILTI KWIK BOLT-3 (ICC-ES ESR-1385)
- ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE AT-XP (IAPMO-UES ER-263) SIMPSON STRONG-TIE SET-XP (IAPMO-UES ER-2508)
- c. DEWALT AC100+ GOLD (ICC-ES ESR-3200) d. HILTI HIT-HY 70 (ICC-ES ESR-2682)
- POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE: a. SIMPSON STRONG-TIE GAS ACTUATED PINS (ICC-ES ESR-2811) SIMPSON STRONG-TIE POWDER ACTUATED PINS (ICC-ES ESR-2138)
 - DEWALT GAS ACTUATED FASTENERS (ICC-ES ESR-3275)
 - d. DEWALT POWDER ACTUATED FASTENERS (ICC-ES ESR-2024) e. HILTI X-U (ICC-ES ESR-2269)

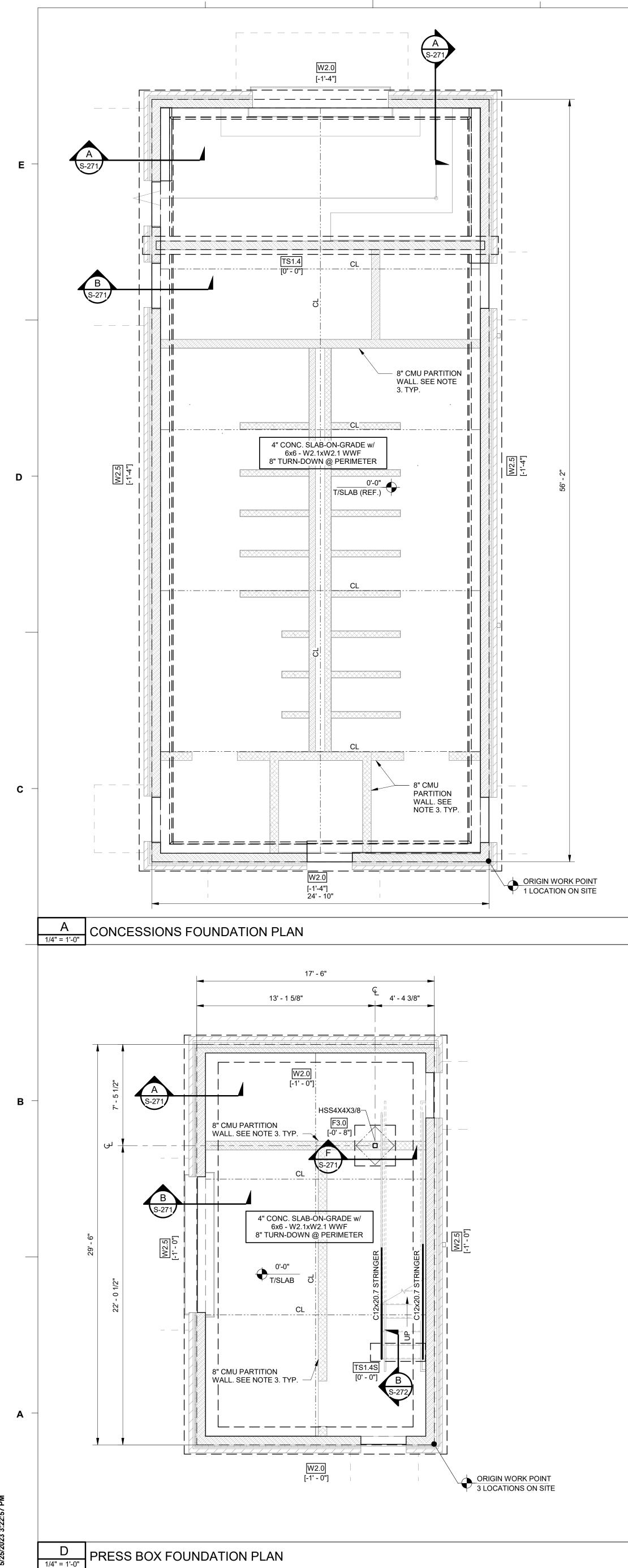
FOR ANCHORING INTO HOLLOW CONCRETE MASONRY

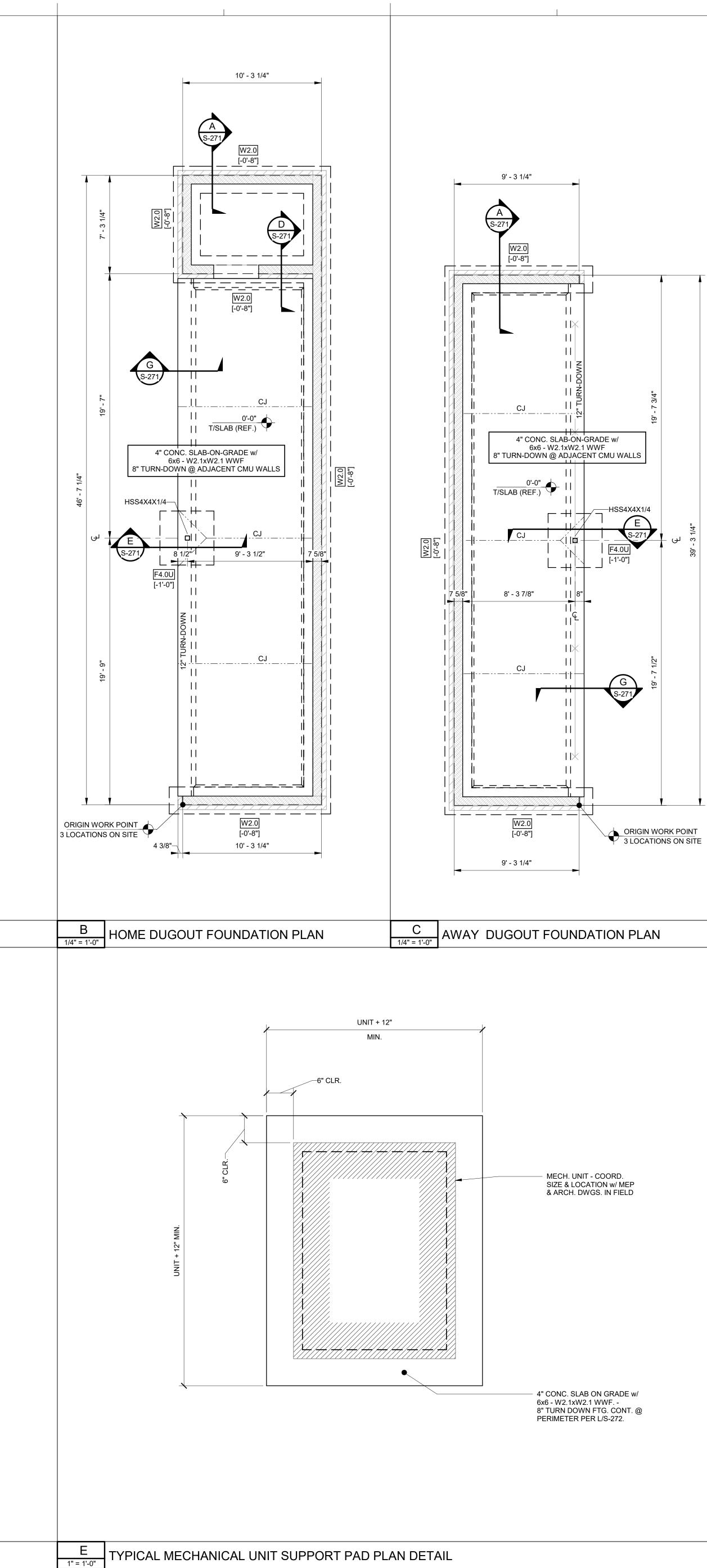
- MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC106. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-1056) ADHESIVE FOR REBAR AND ANCHORS WITH SCREEN TUBES SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC58. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MFR. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE SET-XP (ICC-ES ESR-2508) b. DEWALT AC100+ GOLD (ICC-ES ESR-3200)
- POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE: a. SIMPSON STRONG-TIE GAS ACTUATED PINS (ICC-ES ESR-2811) SIMPSON STRONG-TIE POWDER ACTUATED PINS (ICC-ES ESR-2138) DEWALT GAS ACTUATED FASTENERS (ICC-ES ESR-3275)

FOR FASTENING INTO STEEL

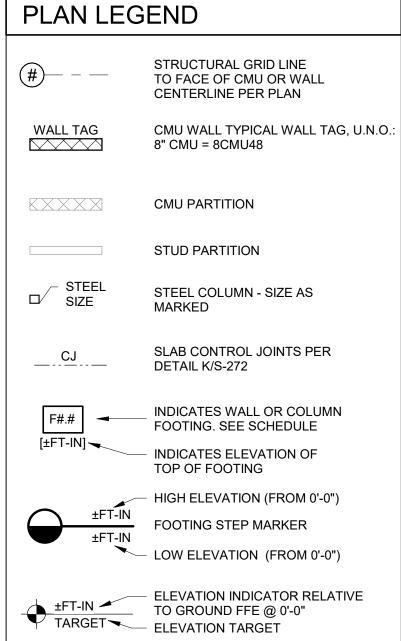
- POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE: a. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
- SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138) DEWALT GAS ACTUATED FASTENERS (ICC-ES ESR-3275)
- d. DEWALT POWDER ACTUATED FASTENERS (ICC-ES ESR-2024) e. HILTI X-U (ICC-ES ESR-2269)







TYPICAL MECHANICAL UNIT SUPPORT PAD PLAN DETAIL

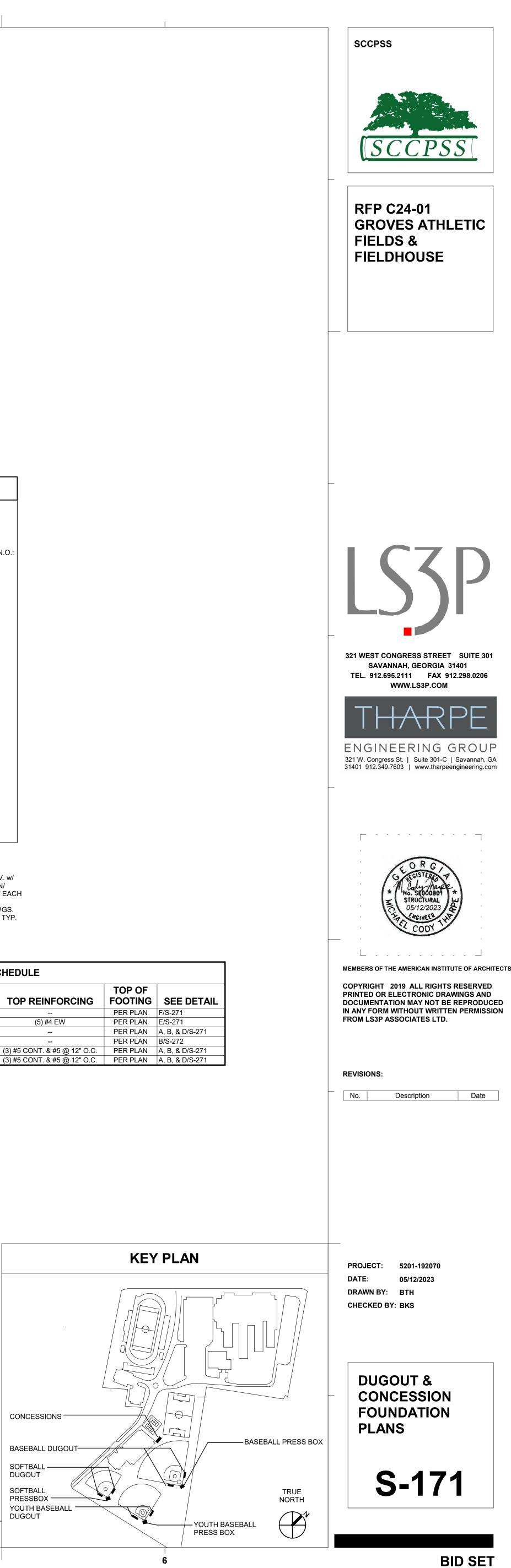


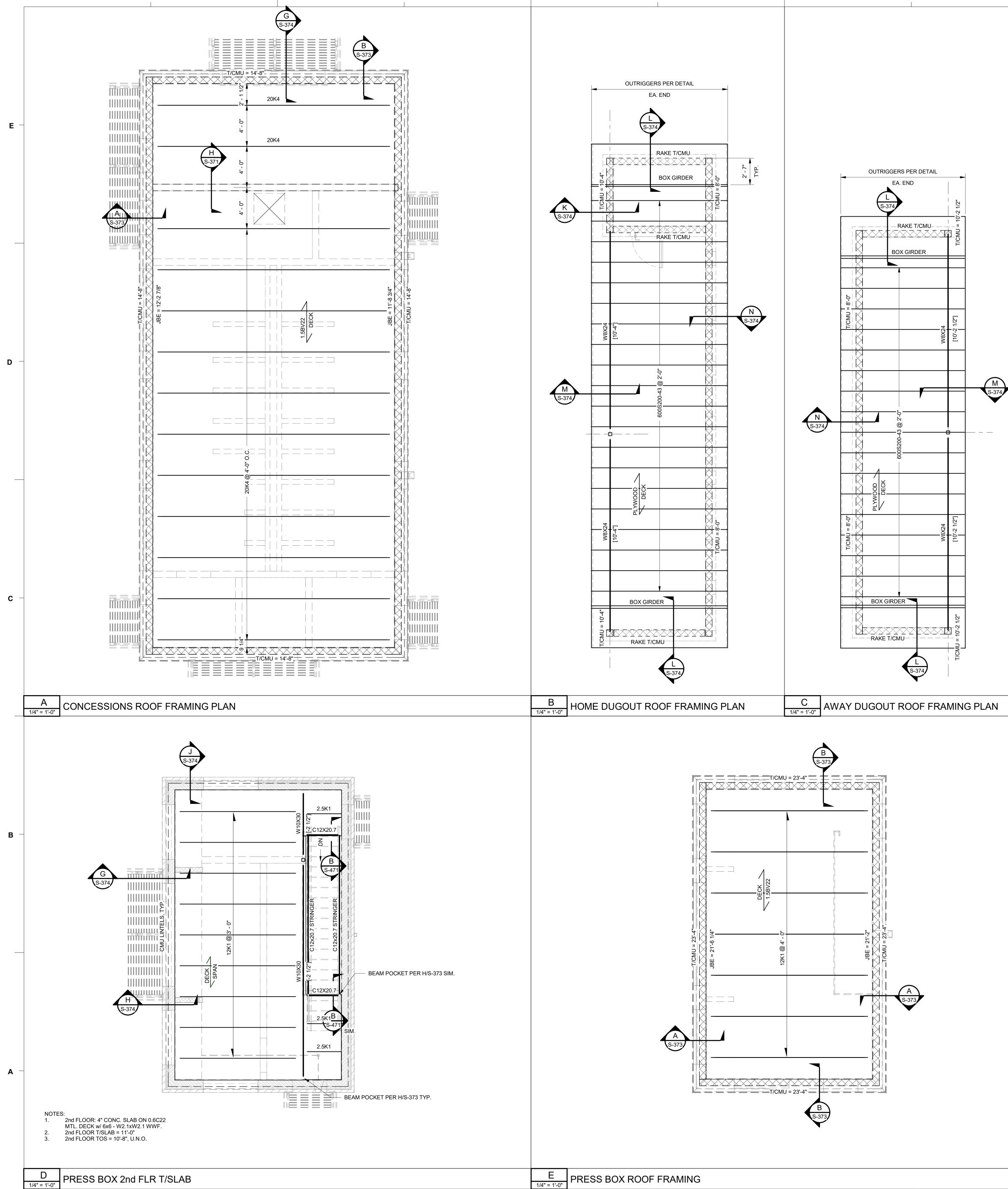
NOTES 1. BASE ELEV. (0'-0") IS FOR REFERENCE ONLY. COORD. ELEV. w/ ARCH. & CIVIL DWGS FOR ELEVATION AND PLAN LOCATION/ ORIENTATION. GENERAL LOCATIONS AND QUANTITIES OF EACH

TYPE ARE INDICATED. VERIFY ALL STAIR FOUNDATION DIMENSIONS w/ ARCH. DWGS. ALL CMU PARTITION WALLS TO BEAR ON TS1.4 FTG. TYPE, TYP.

SEE DETAIL C/S-271.

	FOOTING SCHEDULE								
ТҮРЕ	DIMENSIONS	BOTTOM REINFORCING	TOP REINFORCING	TOP OF FOOTING	SEE DETAIL				
F3.0	3'-0"x3'-0"x12"D.	(4) #5 EW		PER PLAN	F/S-271				
F4.0U	4'-0"x4'-0"x12"D.	(5) #5 EW	(5) #4 EW	PER PLAN	E/S-271				
TS1.4	1'-4"xCONT.x12"D.	(2) #5 CONT. & #5 @ 12" O.C.		PER PLAN	A, B, & D/S-271				
TS1.4S	1'-4"x4'-0"x12"D.	(2) #5 & #5 @ 12" O.C.		PER PLAN	B/S-272				
W2.0	2'-0"xCONT.x12"D.	(3) #5 CONT. & #5 @ 12" O.C.	(3) #5 CONT. & #5 @ 12" O.C.	PER PLAN	A, B, & D/S-271				
W2.5	2'-6"xCONT.x12"D.	(3) #5 CONT. & #5 @ 12" O.C.	(3) #5 CONT. & #5 @ 12" O.C.	PER PLAN	A, B, & D/S-271				



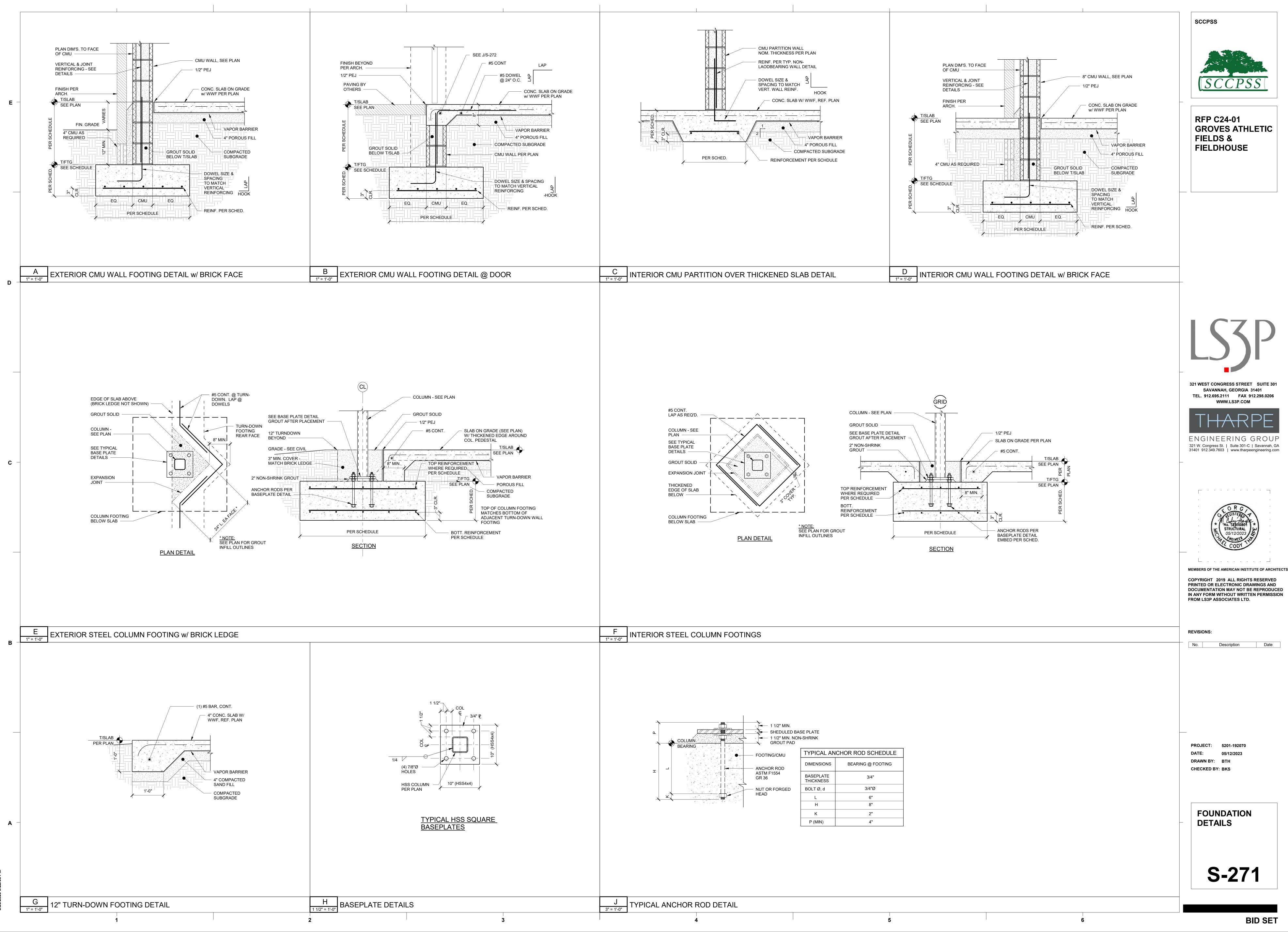


PLAN LEGEND

- STRUCTURAL GRID LINE TO FACE OF CMU OR WALL CENTERLINE PER PLAN C LOADBEARING CMU WALL - THICKNESS AS NOTED C CMU PARTITION ABOVE STUD PARTITION ABOVE PARTITION BELOW STEEL COLUMN - SIZE AS MARKED ON OTHER PLAN BEAM SIZE BEAM SIZE BEAM SIZE CHANGE IN TOS ELEVATION FROM 0'-0" (REF.)
LXXXX THICKNESS AS NOTED THICKNESS AS NOTED CMU PARTITION ABOVE STUD PARTITION ABOVE PARTITION BELOW PARTITION BELOW STEEL COLUMN - SIZE AS MARKED ON OTHER PLAN BEAM SIZE BEAM SIZE LXXXX BEAM SIZE CHANGE IN TOS ELEVATION
STUD PARTITION ABOVE PARTITION BELOW STEEL COLUMN - SIZE AS MARKED ON OTHER PLAN BEAM SIZE BEAM SIZE [±FT-IN] Change in tos elevation
PARTITION BELOW STEEL COLUMN - SIZE AS MARKED ON OTHER PLAN BEAM SIZE [±FT-IN] Example of the second s
Image: Steel Column - Size AS Marked on other plan BEAM SIZE BEAM SIZE DESIGNATION BEAM EXTENTS [±FT-IN] Change in tos elevation
BEAM SIZE BEAM SIZE DESIGNATION [±FT-IN] BEAM EXTENTS CHANGE IN TOS ELEVATION
EAM SIZE BEAM EXTENTS [±FT-IN] CHANGE IN TOS ELEVATION
CHANGE IN TOS ELEVATION
RAFTER OR JOIST - SIZE AND SPACING AS NOTED
DECK SPAN INDICATOR
#:# FRAMING SLOPE MARKER RISE:RUN
+FT-IN - ELEVATION INDICATOR RELATIVE TO GROUND FFE @ 0'-0" ELEVATION TARGET

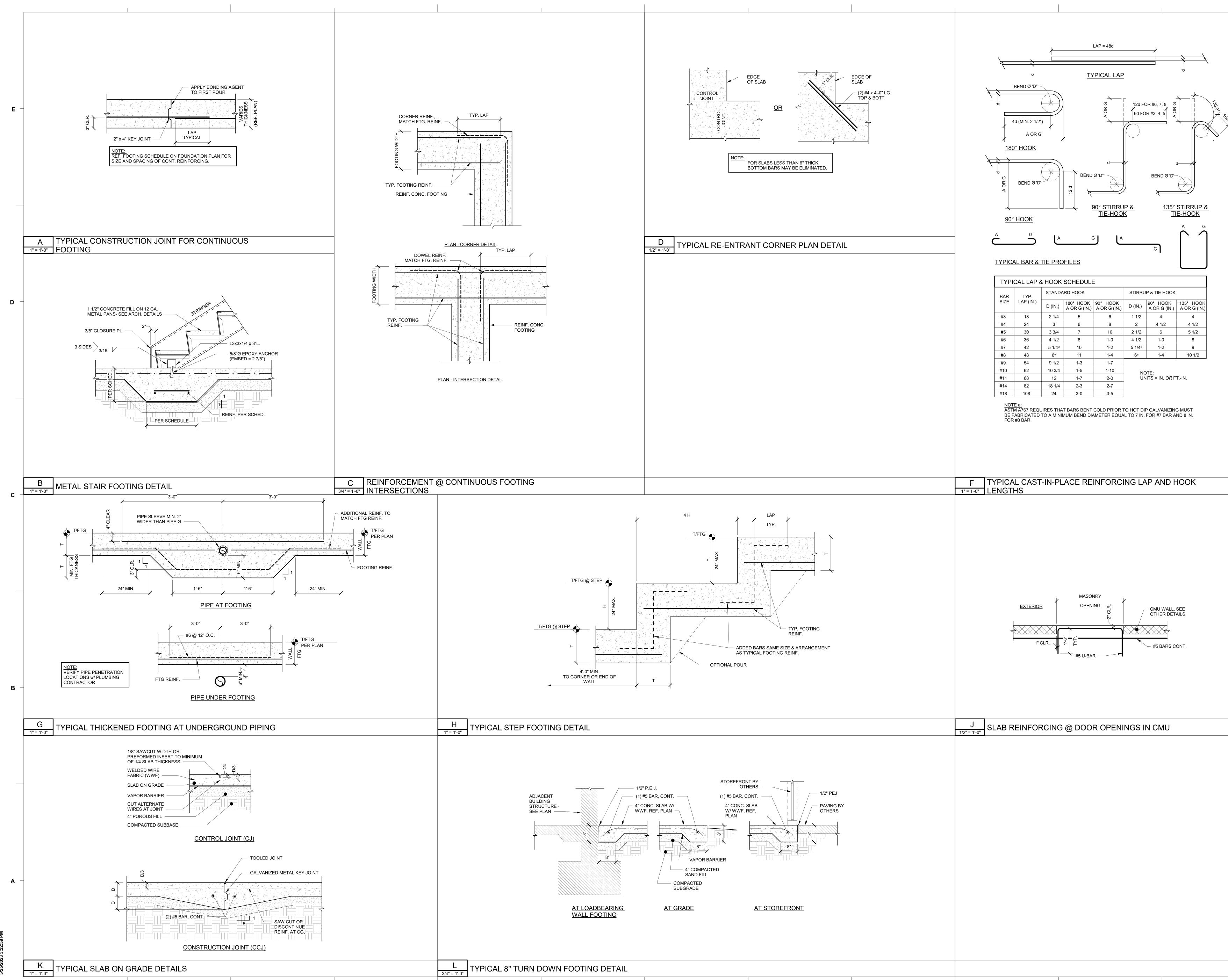
<u>NOTES:</u> 1 F BASE ELEV. (0'-0") IS FOR REFERENCE ONLY. COORD. ELEV. w/ ARCH. & CIVIL DWGS FOR ELEVATION AND PLAN LOCATION/ ORIENTATION. GENERAL LOCATIONS AND QUANTITIES OF EACH TYPE ARE INDICATED.

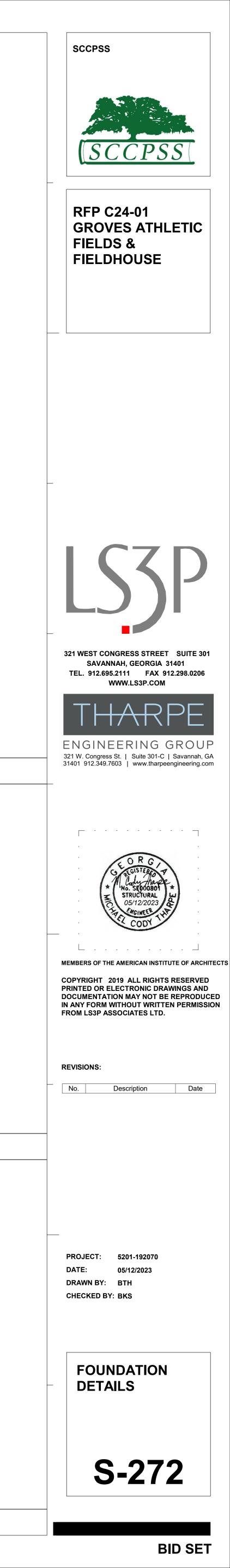


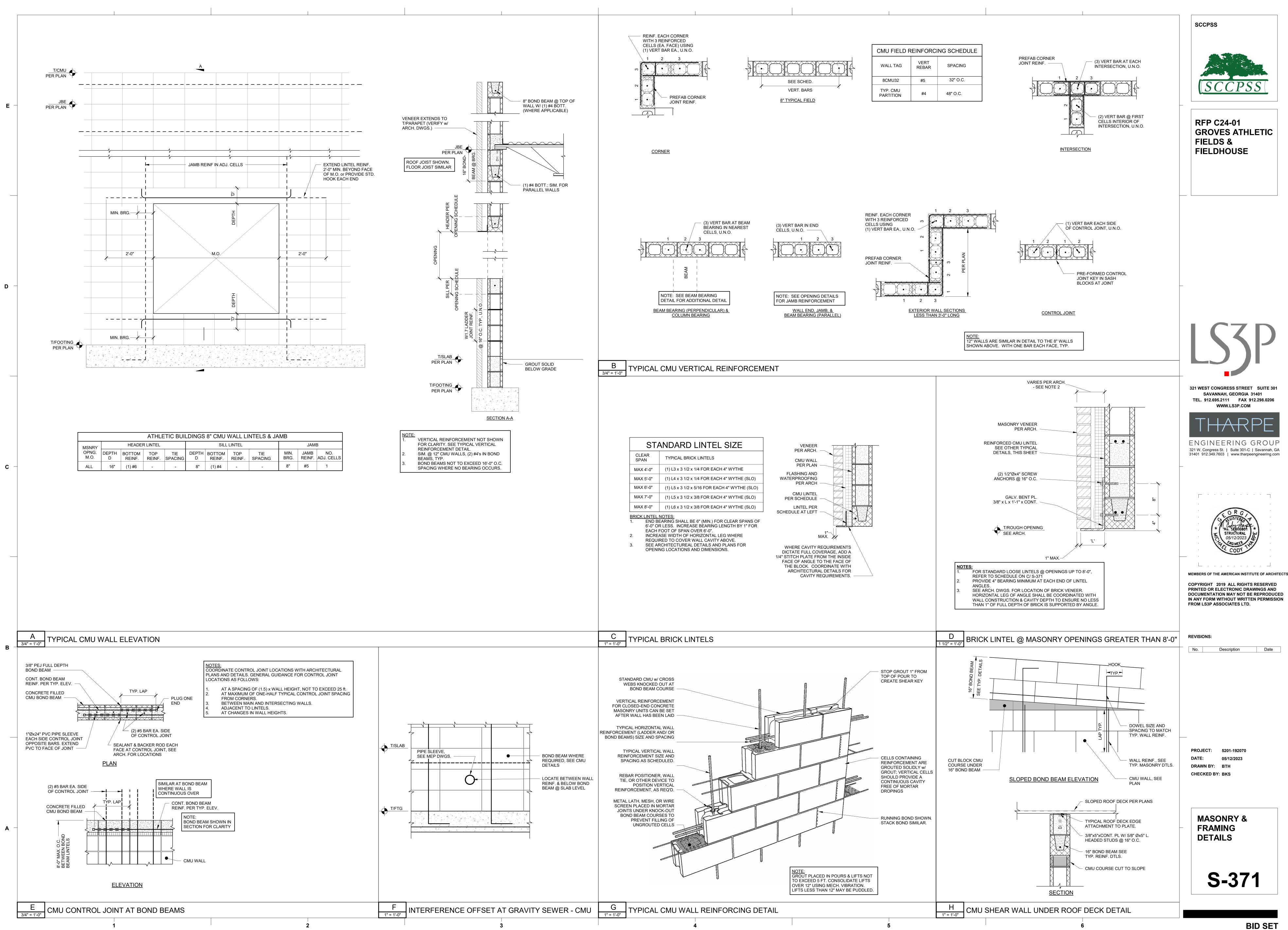


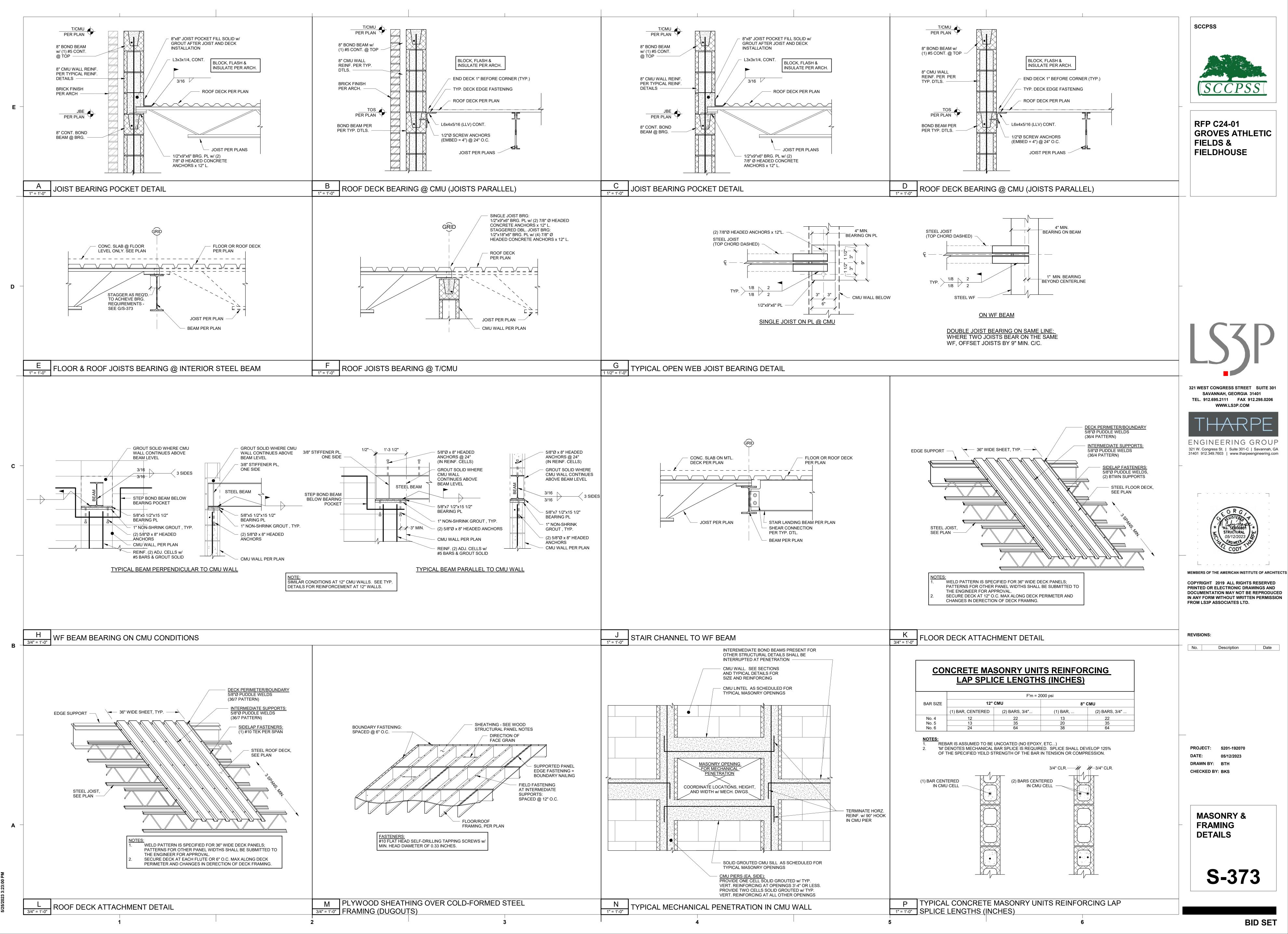
-1920 58 PI | 360://5201-5/2023 3:22::

BIM 5/25/

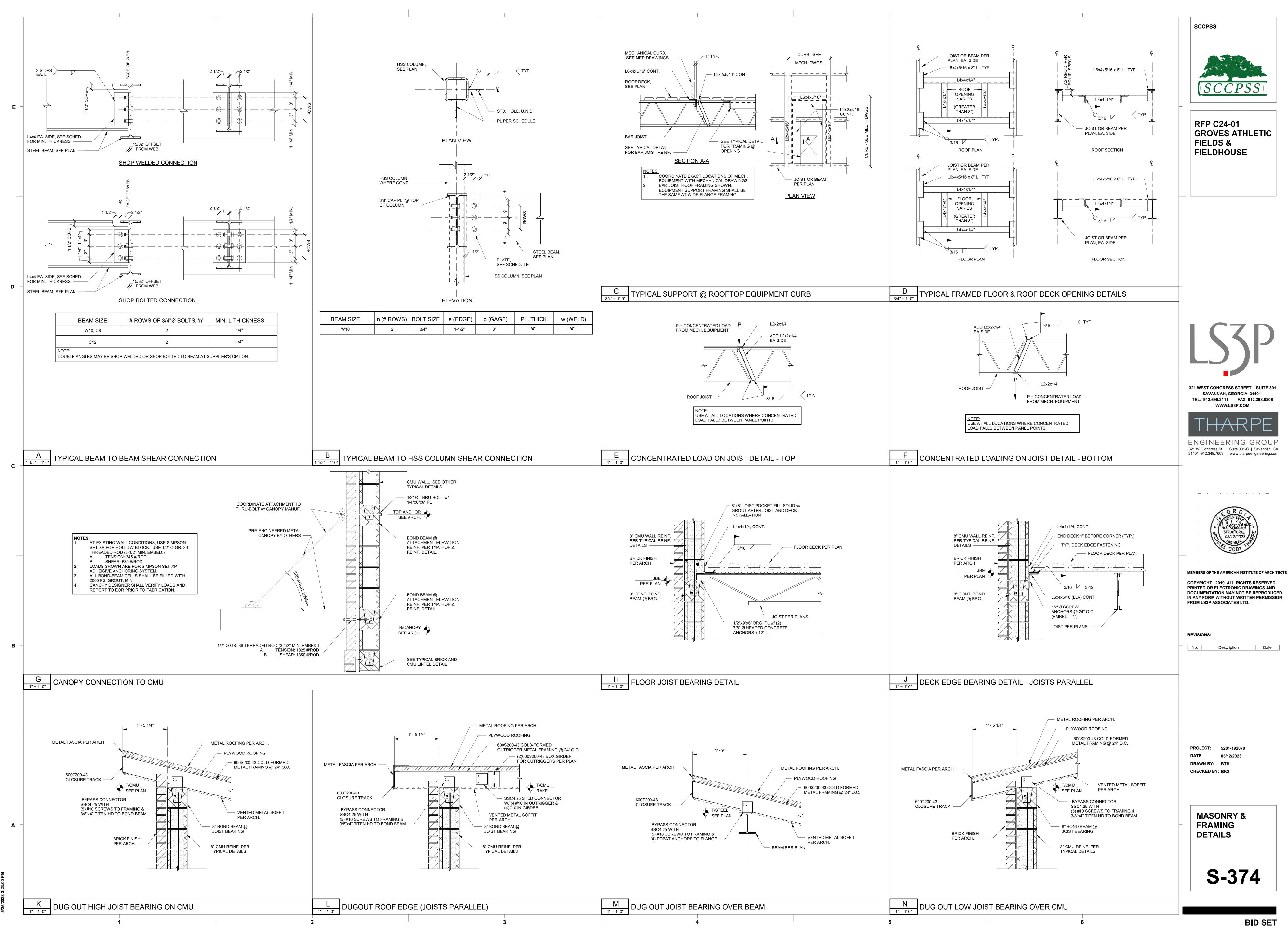


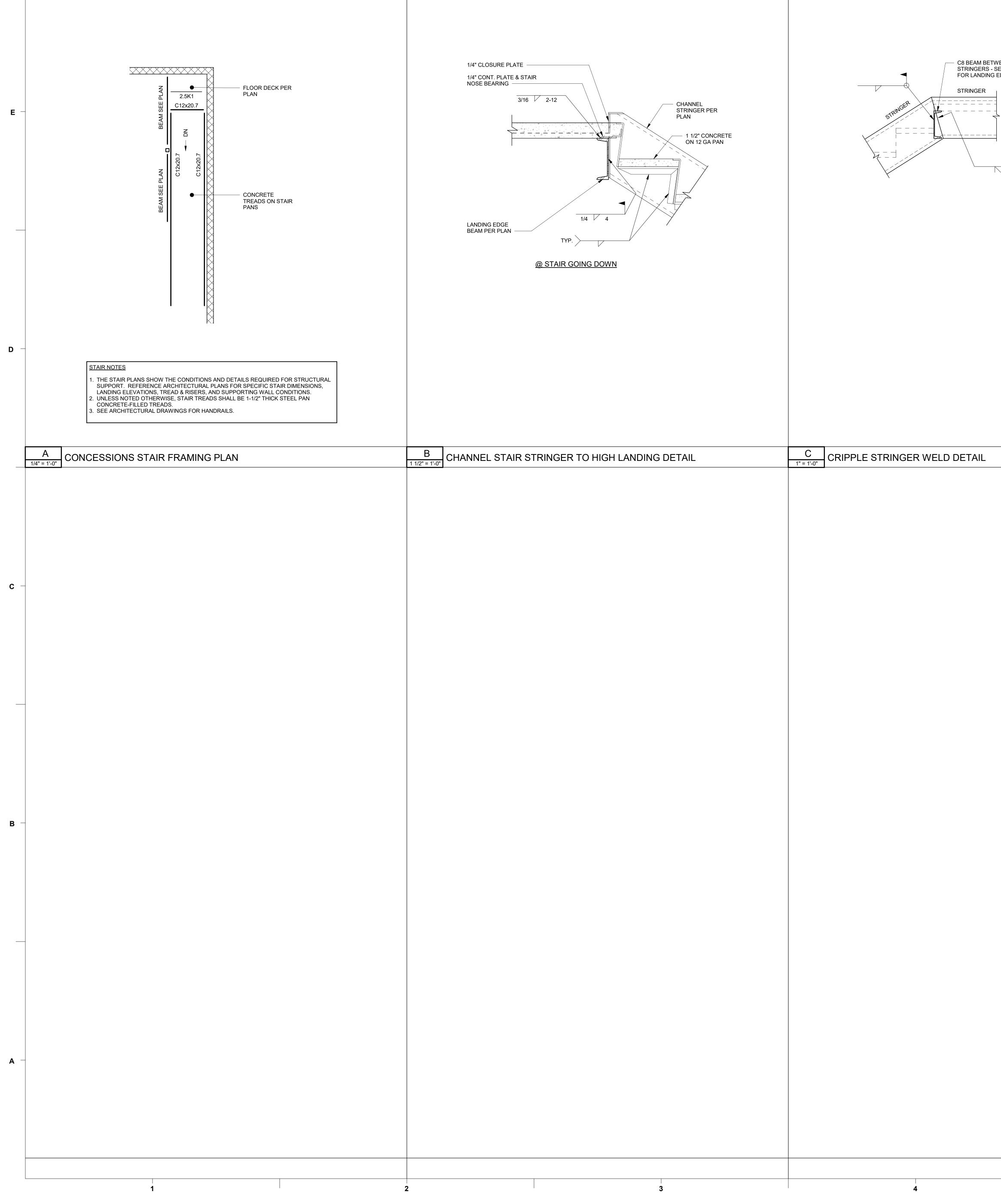






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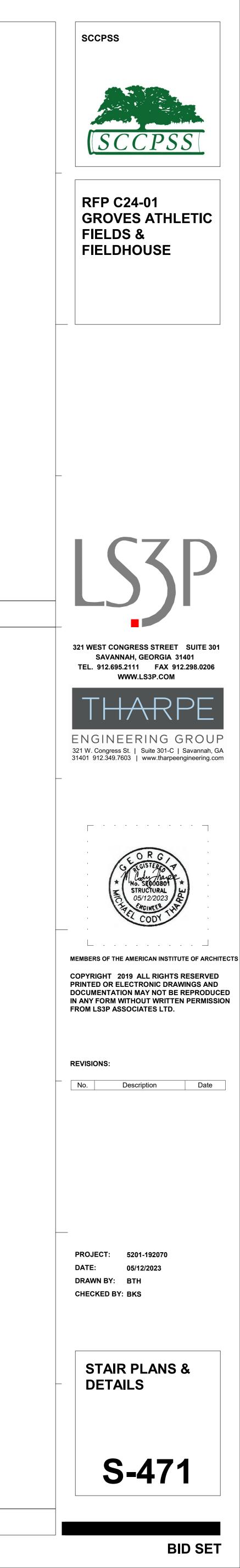


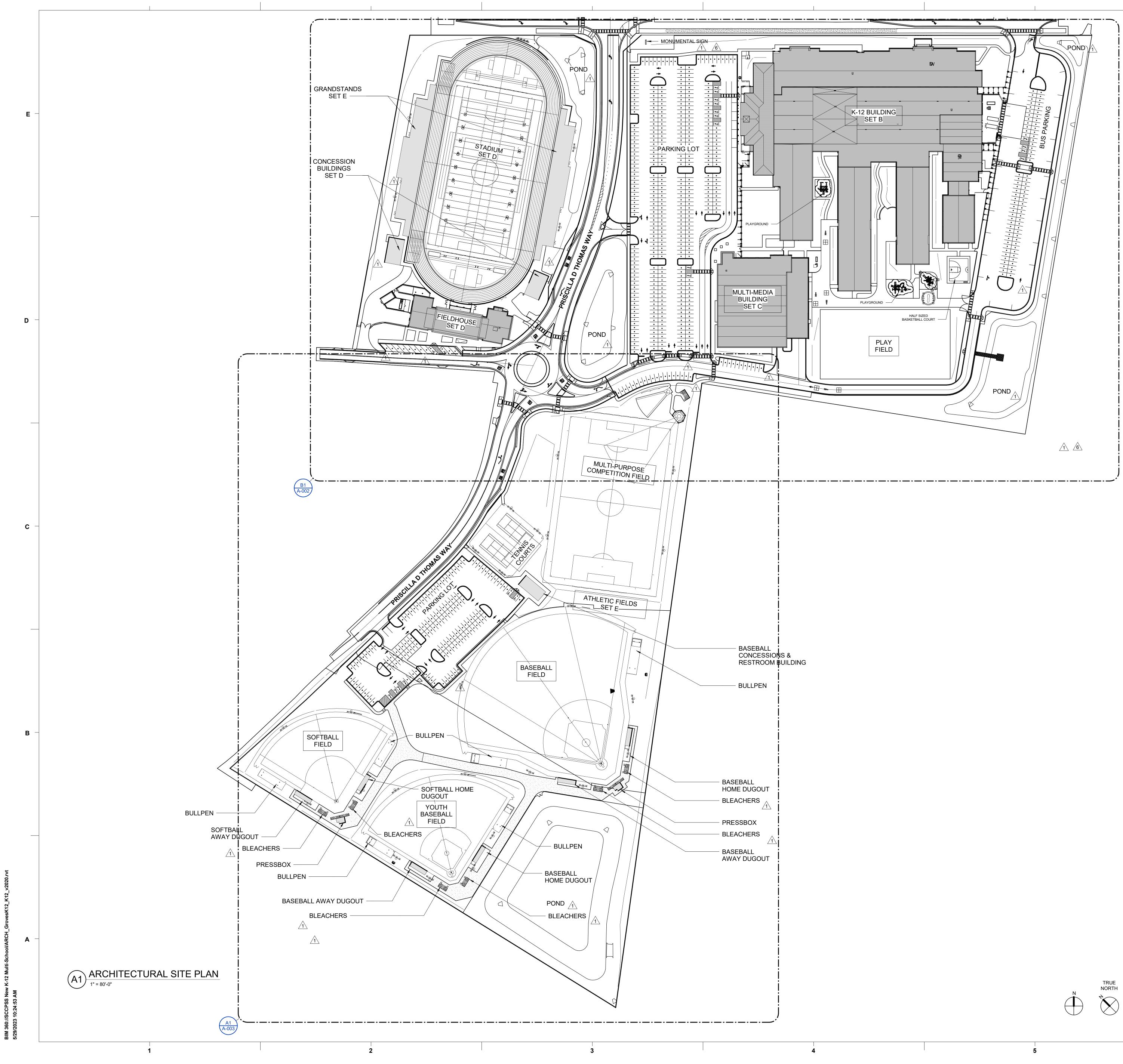


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BIM

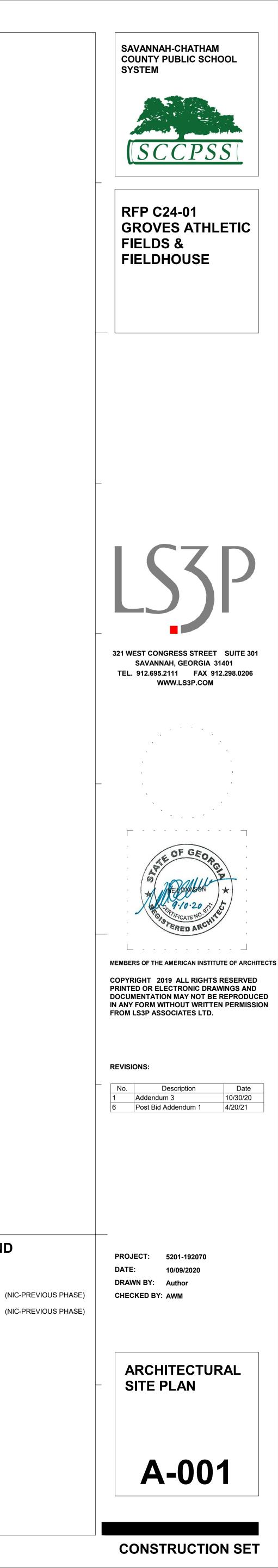
TWEEN			
TWEEN - SEE ARCH. G EDGE			
	_	-	

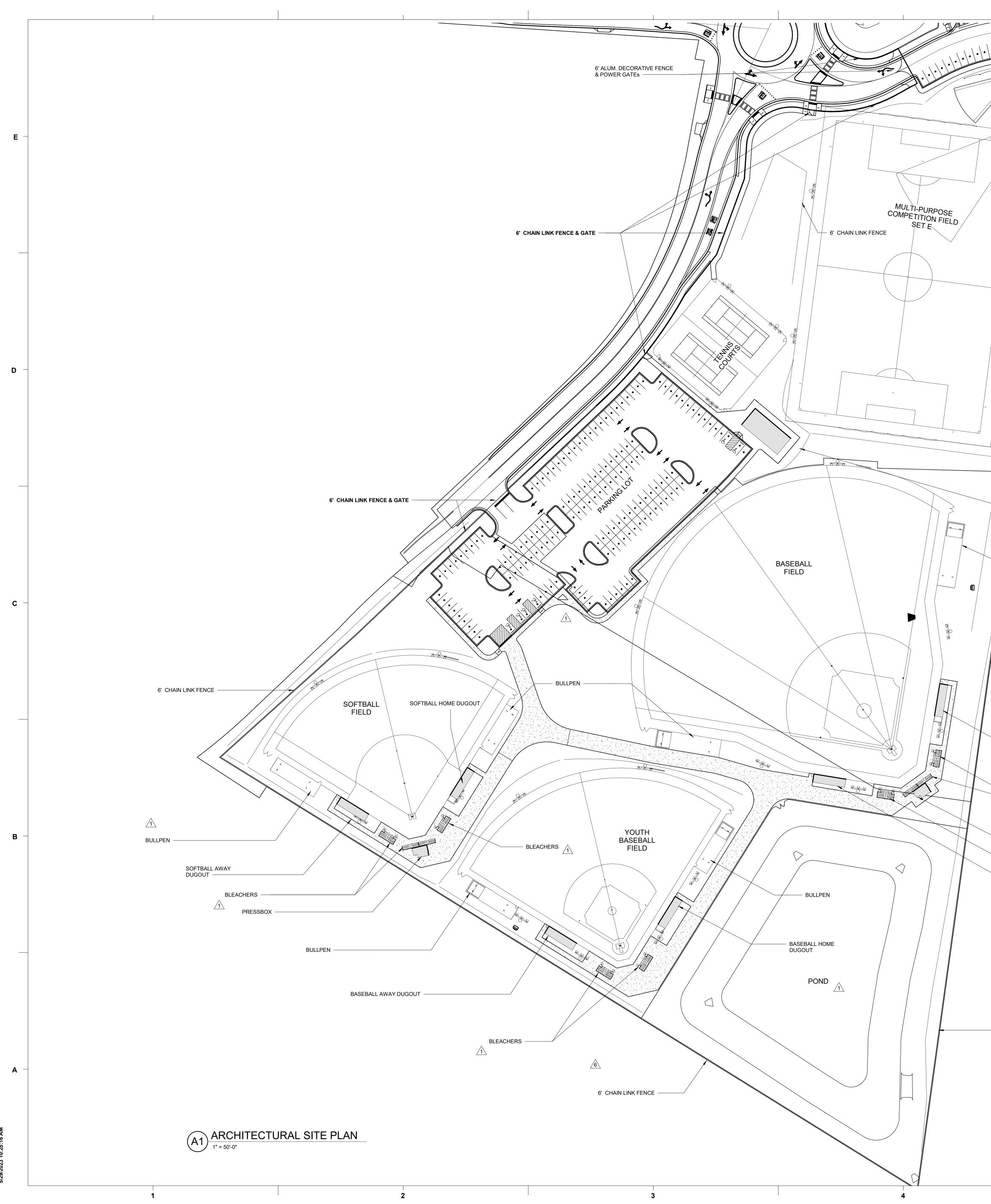




DRAWING SET LEGEND

SET A2 - CIVIL/LANDSCAPE SET B - K-12 BUILDING SET C - MULTI-MEDIA BUILDING (NIC-PREVIOUS PHASE) SET D2 - FIELDHOUSE/STADIUM SET E2 - ATHLETICS

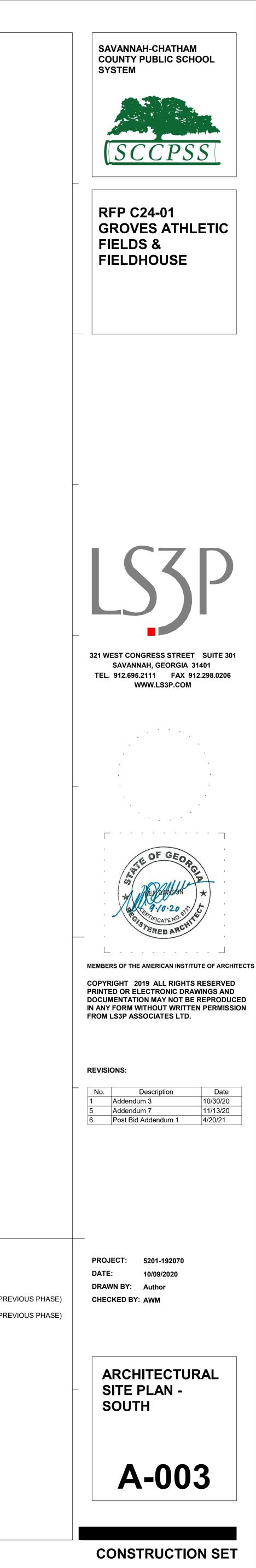


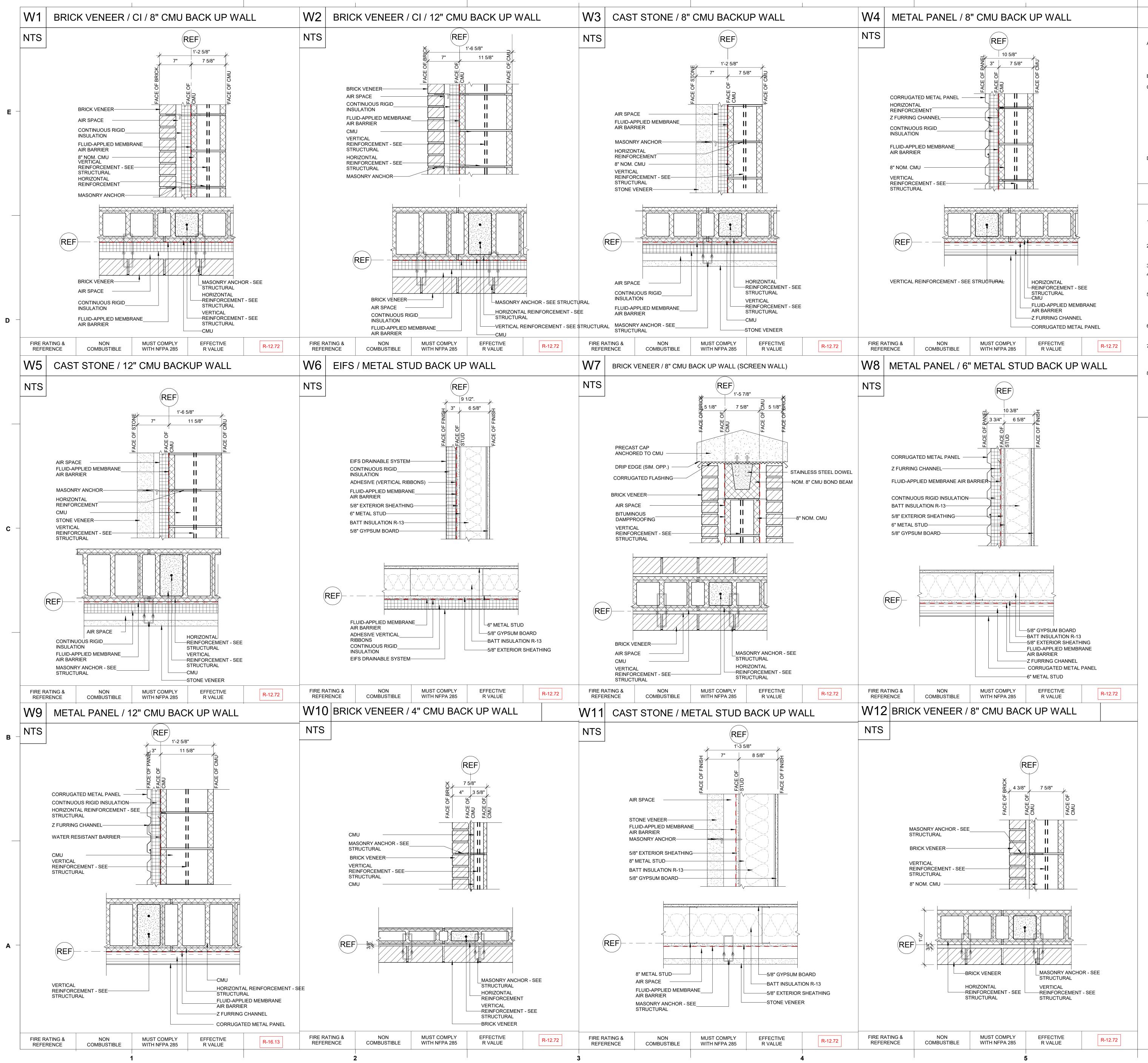


SCCPSS BIM 360:// 5/29/2023

- 6' CHAIN LINK FENCE		
- BASEBALL RESTROOM / CONCESSIONS BUILDING		
– BULLPEN		
– BASEBALL HOME DUGOUT		
- BLEACHERS		
- PRESSBOX - BLEACHERS - BASEBALL AWAY DUGOUT		
- 6' CHAIN LINK FENCE		DRAWING SET LEGEND SET A2 - CIVIL/LANDSCAPE SET B - K-12 BUILDING (NIC-PR SET C - MULTI-MEDIA BUILDING (NIC-PR SET D2 - FIELDHOUSE/STADIUM SET E2 - ATHLETICS
<u>/</u> 5		

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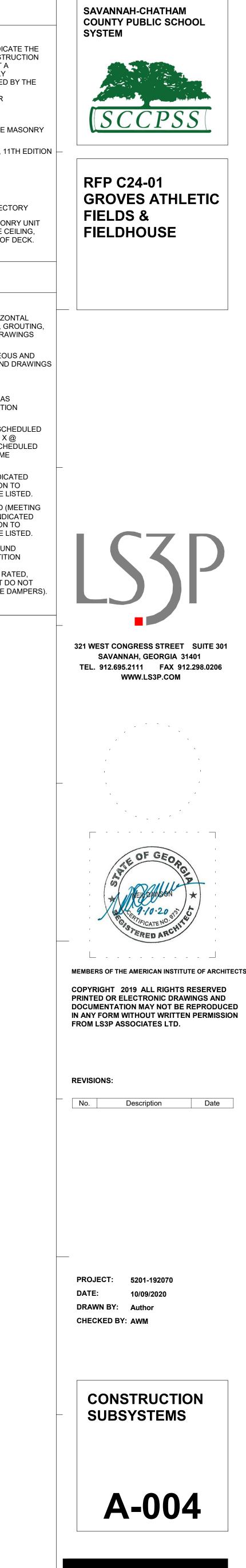


۹.	GENERAL SYSTEMS COMPLET INDICATE	STRUCTION SUBSYSTEMS AND PARTITION TYPES SHOWN INDIC CONSTRUCTION FEATURES OF THE MAJORITY OF THE CONSTI TO BE PROVIDED. THEY ARE NOT INTENDED TO REPRESENT A E LISTING OF SYSTEMS REQUIRED AND DO NOT NECESSARILY ALL OF THE CONSTRUCTION REQUIREMENTS TO BE PROVIDED T DOCUMENTS.
3.	SEE REFL	ECTED CEILING PLANS FOR ADDITIONAL REQUIREMENTS FOR
С.	PARTITION	N TYPES. CE FOR FIRE RESISTANCE & SOUND RATINGS:
	CCMA:	CAROLINAS CONCRETE MASONRY ASSOCIATION, CONCRETE HANDBOOK, SOUND CONTROL
	GA:	GYPSUM ASSOCIATION, FIRE RESISTANCE DESIGN MANUAL, 1
	NCMA:	NATIONAL CONCRETE MASONRY ASSOCIATION, TEK NOTES
	SA:	SHINER AND ASSOCIATES
	SBCC:	STANDARD BUILDING CODE CONGRESS, LATEST EDITION
	UL:	UNDERWRITERS LABORATORY, INC., FIRE RESISTANCE DIREC
D.	WALL OR	JRRED/SINGLE FACED SYSTEMS OCCUR ON CONCRETE MASO PARTITION SURFACE, PROVIDE GYPSUM BOARD TO 4" ABOVE (CEILING OCCURS, PROVIDE GYPSUM BOARD TO UNDERSIDE OI

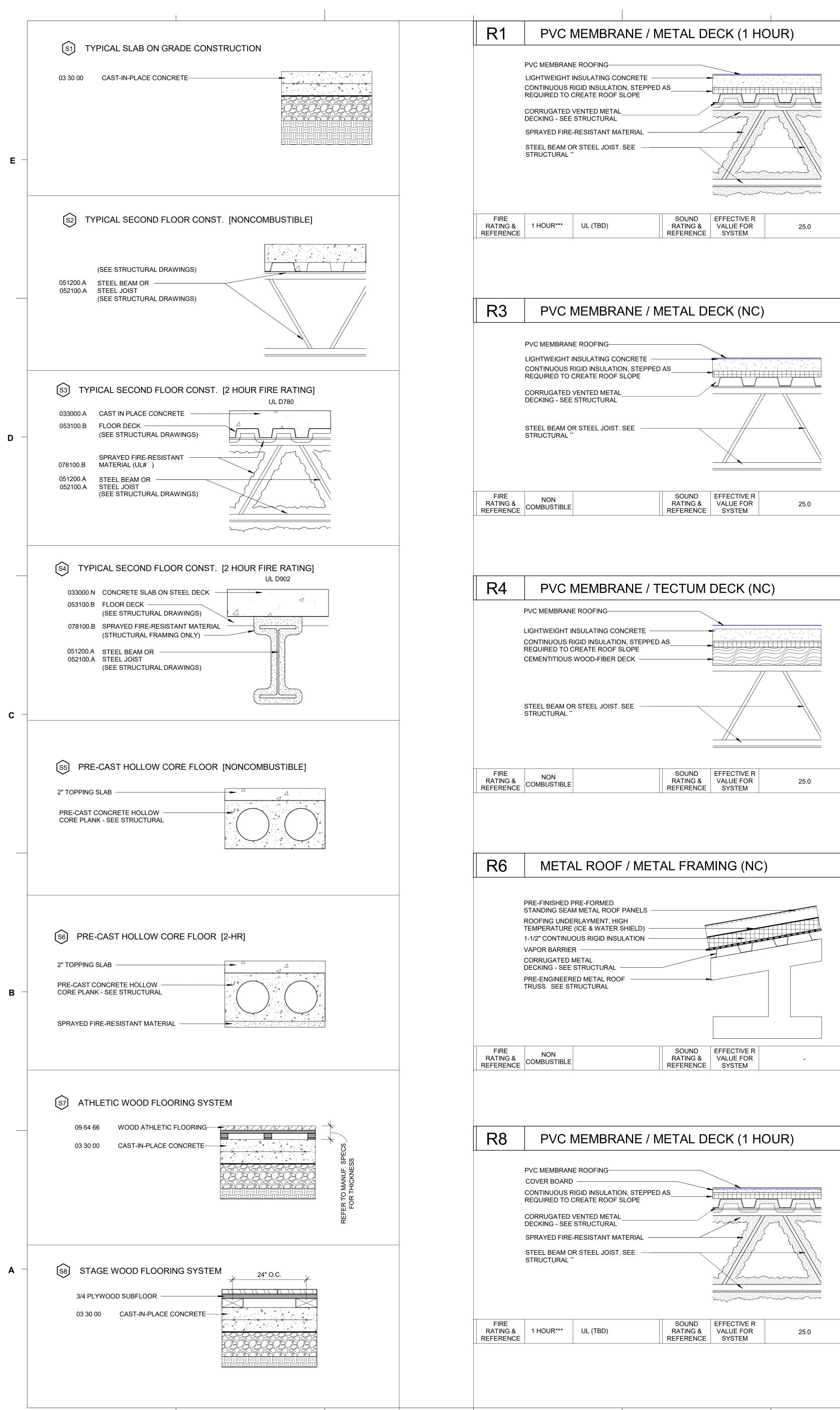
GENERAL NOTES

NOTES

- 1. CONCRETE MASONRY UNIT WALLS AND PARTITIONS: PROVIDE HORIZONTAL JOINT REINFORCEMENT, VERTICAL REINFORCEMENT, BOND BEAMS, GROUTING, AND ADDITIONAL REQUIREMENTS AS INDICATED BY STRUCTURAL DRAWINGS AND SPECIFICATIONS.
- . COLOR, TEXTURE AND FACE PATTERN MAY VARY. SEE MISCELLANEOUS AND EXTERIOR COLOR SCHEDULE (SPEC SECT 9000), SPECIFICATIONS AND DRAWINGS FOR CLARIFICATION.
- 3. KEEP CAVITY CLEAR OF ALL MORTAR.
- 4. SEE FINISH SCHEDULE FOR LOCATION OF APPLIED FINISHES (SUCH AS CERAMIC TILE, WALL COVERING, ETC) THAT MAY AFFECT THE PARTITION SURFACE AND CONSTRUCTION REQUIREMENTS.
- 5. WHERE CERAMIC TILE AND CEMENTITIOUS BACKER UNIT ARE NOT SCHEDULED TO BE FULL HEIGHT OF PARTITION, PROVIDE GYPSUM BOARD (TYPE X @ RATED PARTITIONS) @ THOSE PORTIONS OF THE PARTITION NOT SCHEDULED TO RECEIVE CERAMIC TILE. CEMENTITIOUS BACKER UNIT TO BE SAME THICKNESS AS GYPSUM BOARD.
- PROVIDE FIRE RATED CMU (OR EQUIVALENT) WHERE PARTITION INDICATED TO BE FIRE RATED ON REFLECTED CEILING PLANS. RATED PARTITION TO MEET CONSTRUCTION REQUIREMENTS OF FIRE RATING REFERENCE LISTED.
- 7. PROVIDE MANUFACTURER'S PROPRIETARY TYPE 'X' GYPSUM BOARD (MEETING THE DESIGNATED FIRE REFERENCE LISTED) WHERE PARTITION IS INDICATED TO BE FIRE RATED ON REFLECTED CEILING PLANS. RATED PARTITION TO MEET CONSTRUCTION REQUIREMENTS OF FIRE RATING REFERENCE LISTED.
- 8. PROVIDE ACOUSTICAL SEALANT (09250.K) AT PERIMETER OF ALL SOUND RATED PARTITIONS AND AT ALL PARTITION PENETRATIONS. IF PARTITION IS FIRE RATED, PROVIDE UL LABELED FIRESTOPPING IN PLACE OF ACOUSTICAL SEALANT. AT PARTITIONS THAT ARE SOUND AND FIRE RATED, PROVIDE ACOUSTICAL SEALANT AT PARTITION PENETRATIONS THAT DO NOT REQUIRE FIRESTOPPING (EXAMPLE: DUCT PENETRATIONS WITH FIRE DAMPERS).



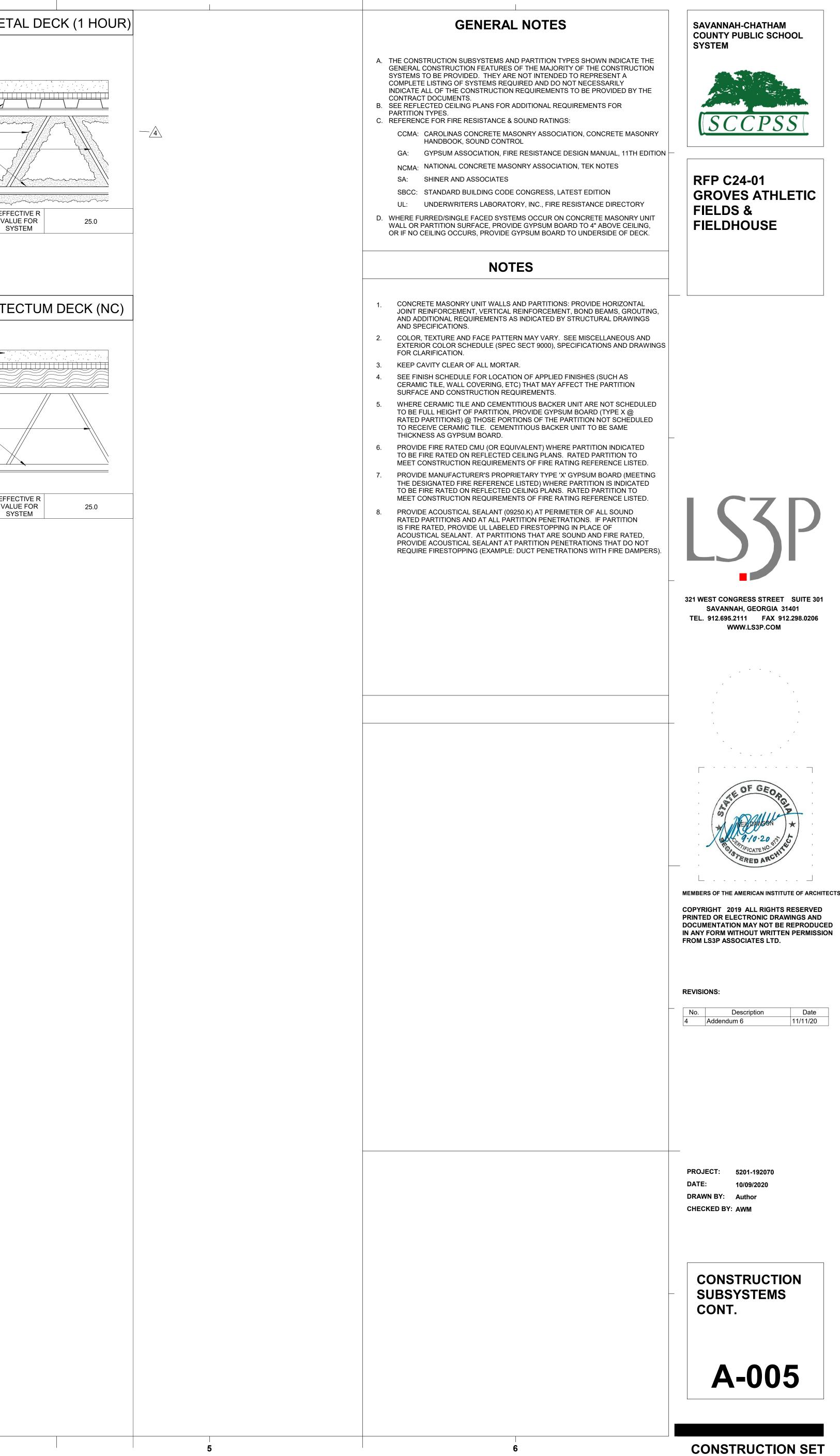
CONSTRUCTION SET

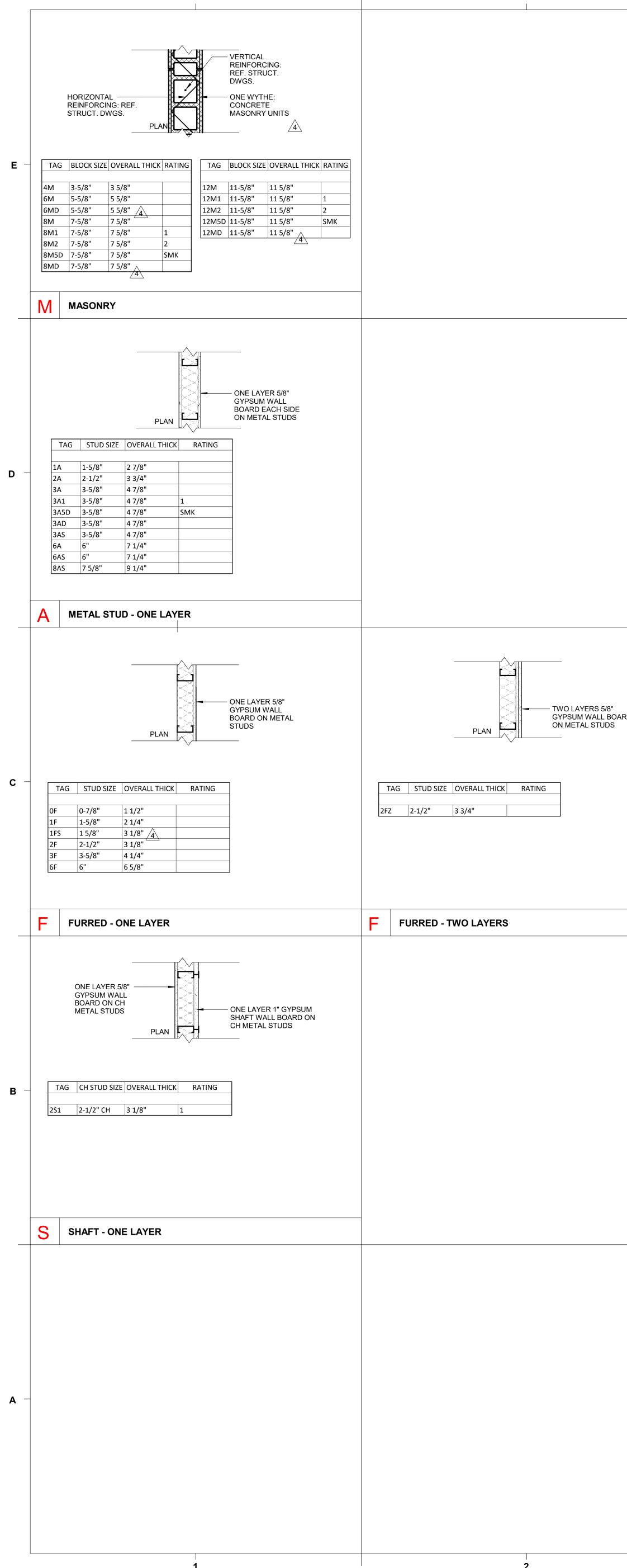


360://SCCPSS New K-12 Multi-School/ARCH_GrovesK12_K12_v;

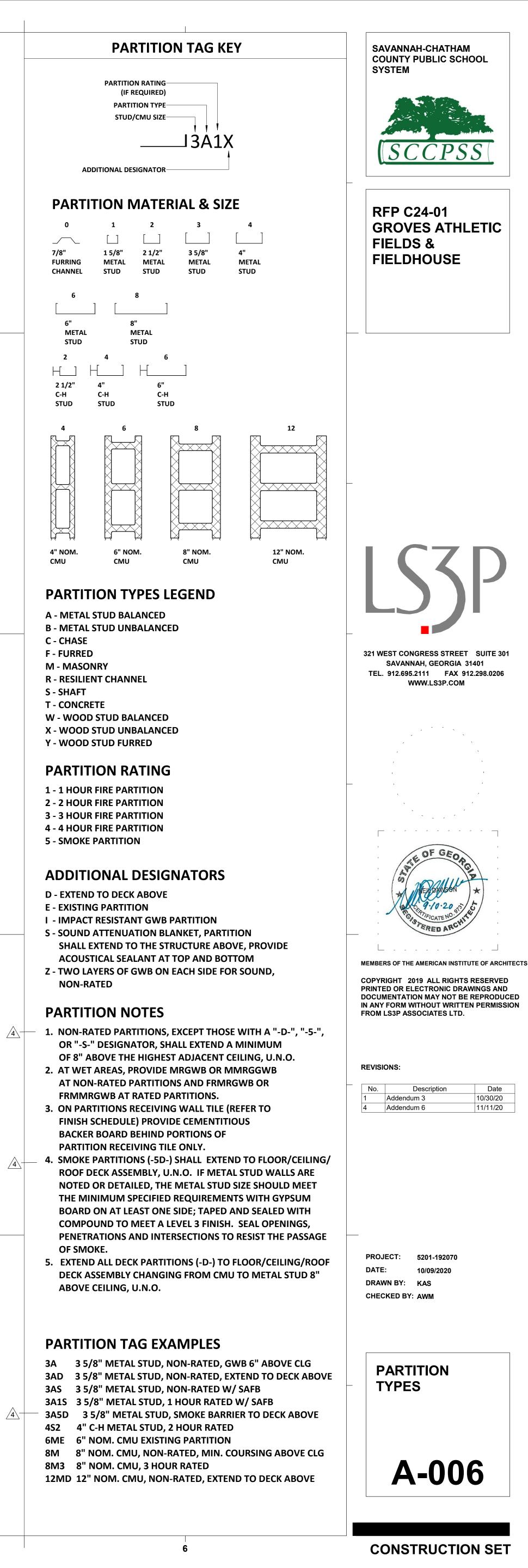
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	LIGHTWEIGHT INSUL/	ATING CONCRETE —		---
		NSULATION, STEPPED	AS	
	CORRUGATED VENTI DECKING - SEE STRU	ICTURAL	/	
	SPRAYED FIRE-RESIS			
	STRUCTURAL **		Ň	F
FIRE RATING &	1 HOUR*** UL	(TBD)	SOUND RATING &	EF V/
REFERENCE			REFERENCE	
R5	LIGHTW	EIGHT CON	ICRETE	/ T
		ATING CONCRETE, ED TO CREATE ROOF NSULATION, STEPPED		
	REQUIRED TO CREAT	E ROOF SLOPE		
	STEEL BEAM OR STE	EL JOIST. SEE		
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FIRE			SOUND	EF
RATING & REFERENCE	NON COMBUSTIBLE		RATING & REFERENCE	V





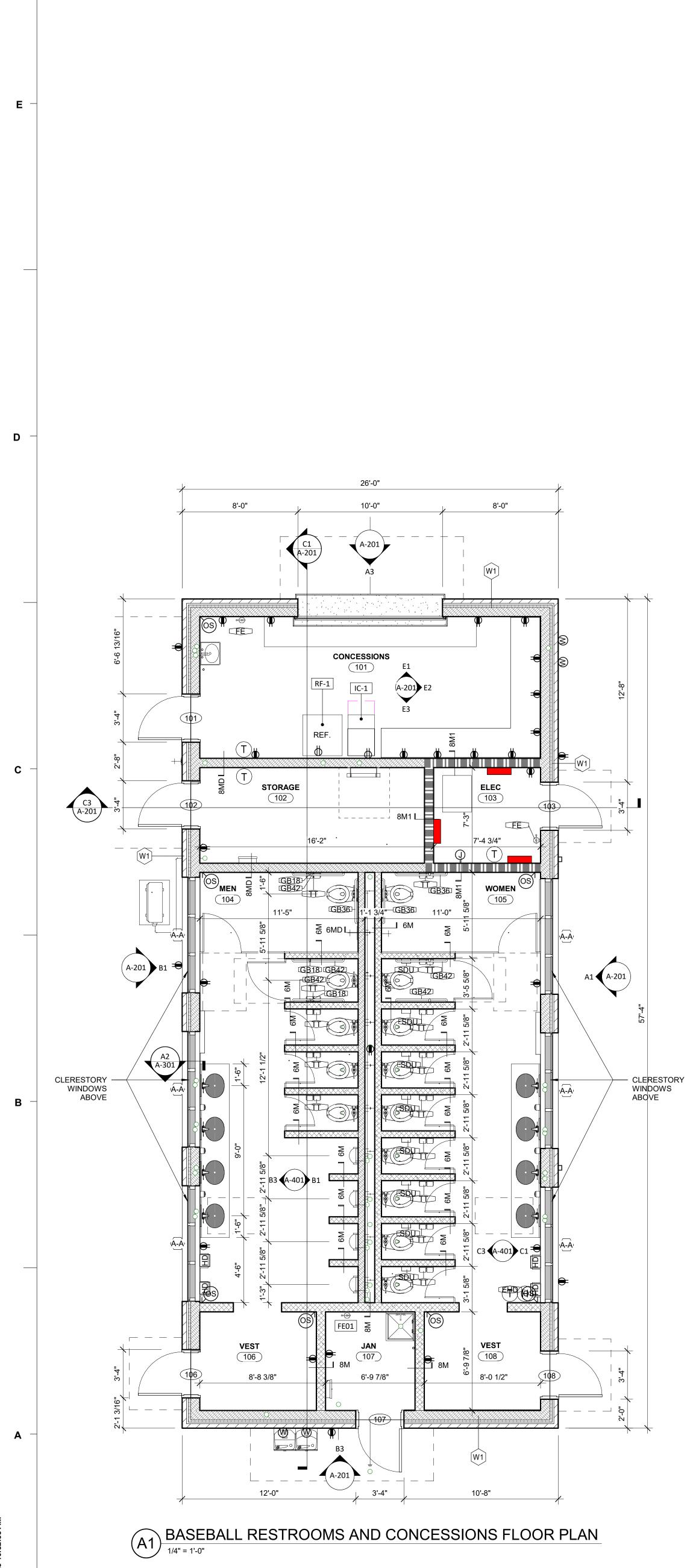
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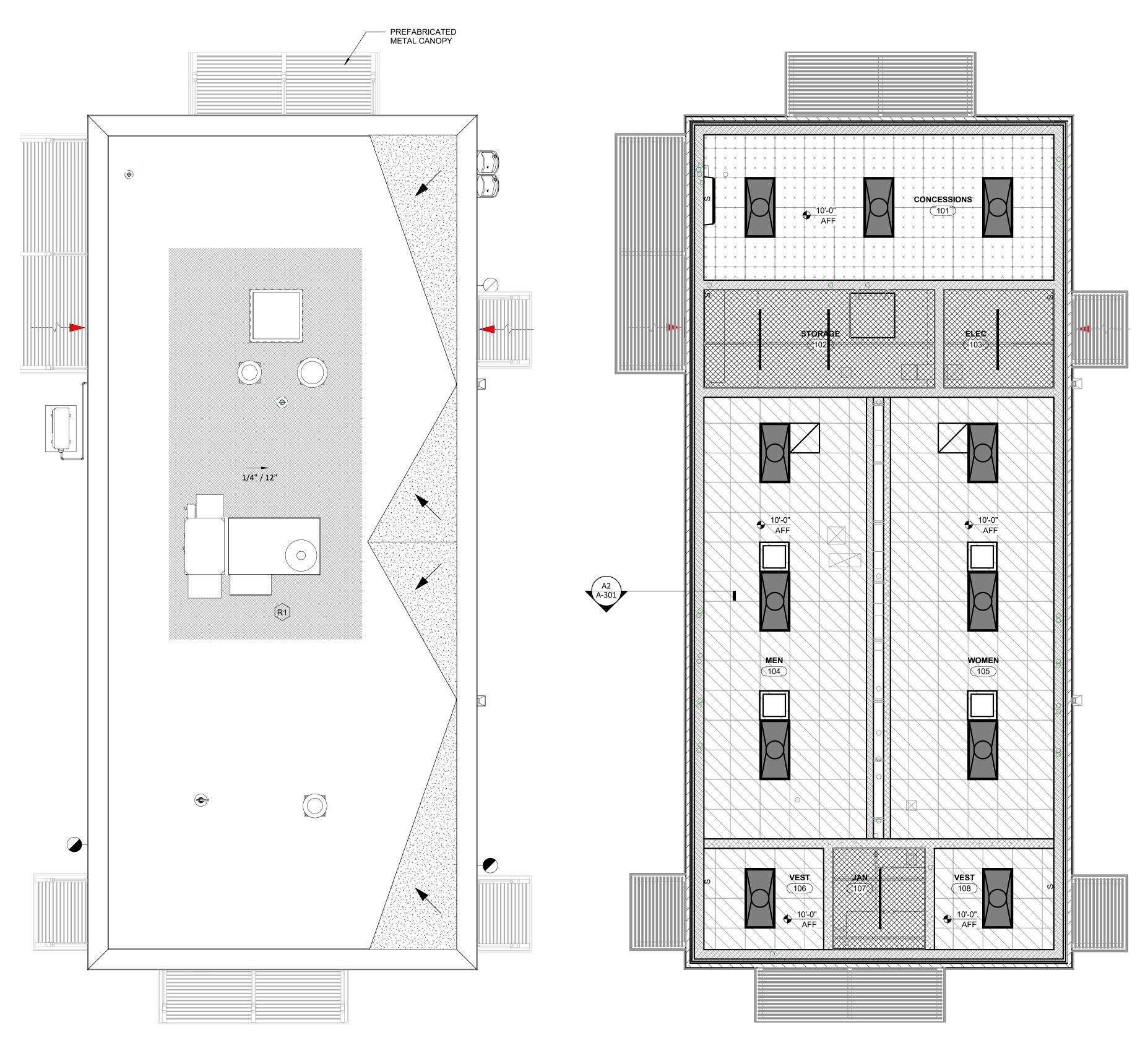


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<u>/4</u>

PAR	TITION TAG EXAMPLES
3A	3 5/8" METAL STUD, NON-RATED, GWB 6" ABOVE
3AD	3 5/8" METAL STUD, NON-RATED, EXTEND TO DEC
3AS	3 5/8" METAL STUD, NON-RATED W/ SAFB
3A1S	3 5/8" METAL STUD, 1 HOUR RATED W/ SAFB
3A5D	3 5/8" METAL STUD, SMOKE BARRIER TO DECK A
4S2	4" C-H METAL STUD, 2 HOUR RATED
6ME	6" NOM. CMU EXISTING PARTITION
8M	8" NOM. CMU, NON-RATED, MIN. COURSING ABO
8M3	8" NOM CMU 3 HOUR RATED





A2 BASEBALL RESTROOMS AND CONCESSIONS ROOF PLAN



	TOILET ACCESSORIES LEGEND
	DESCRIPTION
TT	TOILET TISSUE DISPENSER
GB36	36" GRAB BAR
GB42	42" GRAB BAR
SDU	SANITARY PRODUCT DISPOSAL UNIT
SD	LIQUID SOAP DISPENSER
MM	STAINLESS STEEL MIRROR UNIT (24" X 36")
EHD	ELECTRIC HAND DRYER
WR	WASTE RECEPTACLE
RH	ROBE HOOK
MOP	MOP AND BROOM HOLDER
SH	SOAP HOLDER
MH	MOP HOOKS
DCS	DIAPER CHANGING STATION

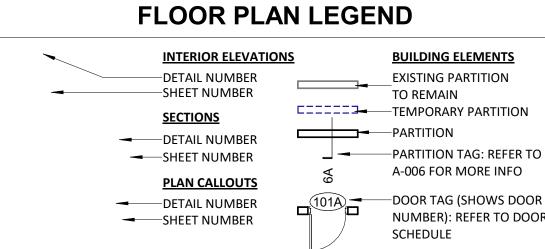
RCP LEGEND								
	APC-1 2x2 LAY-IN CEILING PANEL		HEIGHT (FEET, ABOVE FINISHE 9'-0" U.N.O.					
	APC-2 2x2 LAY-IN CEILING PANEL - SCRUBBABLE		1 X 4 LAY-IN FIX					
$\begin{array}{c c} & & & & & & \\ \hline & & & & \\ \hline & & & & \\ \hline & & & &$	APC-3 2x2 LAY-IN CEILING PANEL - HIGH NRC		2 X 2 LAY-IN FIX					
	APC-4 2X2 LAY-IN CEILING PANEL - MOISTURE RESISTANT	0	RECESSED CA					
	GYPSUM BOARD		SUPPLY AIR DI					
	GYPSUM BOARD - MOISTURE RESISTANT		RETURN AIR DI					
	EXPOSED STRUCTURE - PAINTED		EXTERIOR SOF					

REFLECTED CEILING PLAN GENERAL NOTES

- 1. SEE SHEET A-006 FOR PARTITION TYPES AND HEIGHT OF WALLS ABOVE CEILING. 2. SEE FINISH SCHEDULE FOR CEILING TYPES & MATERIALS IN EACH ROOM / AREA. 3. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE 2" WIDE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
- 4. DIMENSIONS ARE TO FACE OF STUD OR MASONRY, U.N.O. 5. CEILING GRIDS/TILES TO BE CENTERED IN ALL ROOMS UNLESS NOTED OTHERWISE. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6" IN EITHER
- DIMENSION. 6. ALL CEILINGS TO BE 10'-0" AFF, UNO. CEILING HEIGHTS SHOWN ON THE REFLECTED CEILING PLANS ARE NON-TYPICAL AND SPECIFIC TO THE AREA INDICATED. REFER TO INTERIOR ELEVATIONS FOR THE HEIGHTS OF SOFFITS ABOVE CASEWORK. 7. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL
- SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET. 8. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL
- DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, AND FIXTURES NOT SHOWN. 9. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS. PAINT ALL EXPOSED DUCTWORK, PIPING, HANGERS, ETC.
- 10. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF EXPOSED DUCTWORK AND MOUNTING LOCATIONS OF ITEMS WHERE NO CEILING IS INDICATED. 11. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS SMOKE DETECTORS, SPEAKERS, GENERAL
- ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. 12. LOCATE MECHANICAL GRILLES AND DIFFUSERS SHOWN IN CORNERS OR NEAR WALL
- TO 12" OFF WALLS, UNO. 13. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, ETC.
- 14. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WITHIN WHICH THEY OCCUR.
- 15. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION. 16. SPRINKLER HEADS, OTHER THAN CONCEALED, SHALL BE FULLY RECESSED.

17. ALL GWB CEILINGS TO RECEIVE CONCEALED SPRINKLER HEADS.

A3 BASEBALL RESTROOMS AND CONCESSIONS RCP



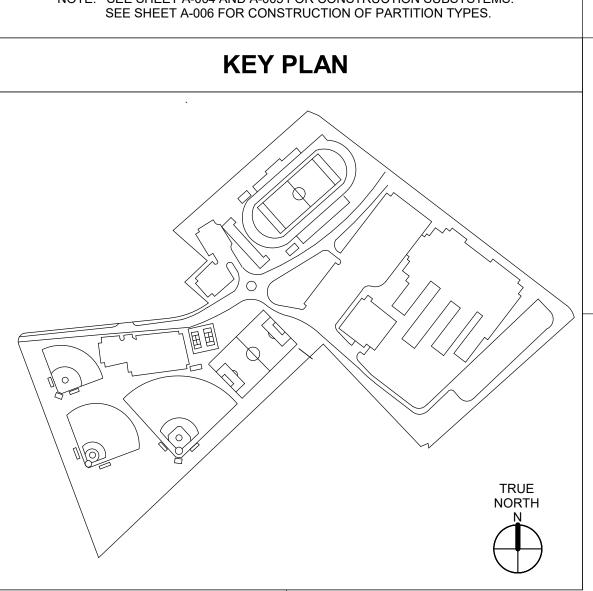
FLOOR PLAN GENERAL NOTES

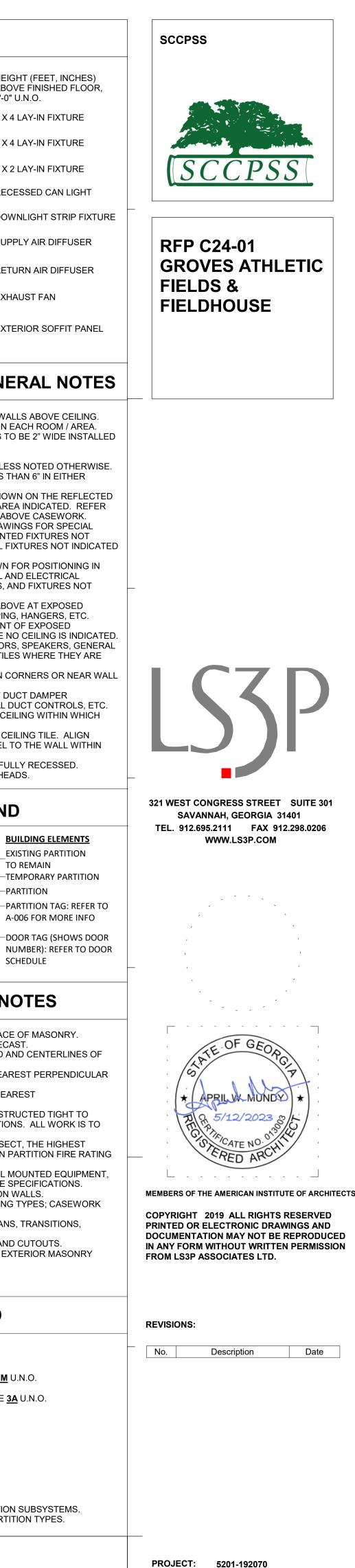
- A. EXTERIOR DIMENSIONS AT MASONRY VENEER ARE TO FACE OF MASONRY. B. EXTERIOR DIMENSION AT PRECAST ARE TO FACE OF PRECAST. . INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF
- COLUMNS, U.N.O. D. LOCATE ALL DOOR OPENINGS IN CMU WALLS 8" FROM NEAREST PERPENDICULAR
- WALL, U.N.O. E. LOCATE ALL DOOR OPENINGS IN STUD WALLS 4" FROM NEAREST PERPENDICULAR WALL, U.N.O.
- F. FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO
- STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
- G. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.
- H. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, TRIM AND RELATED CONSTRUCTION AS INDICATED IN THE SPECIFICATIONS. SEE LIFE SAFETY PLANS FOR REQUIRED FIRE SEPARATION WALLS.
- J. SEE SHEET A-600 FOR DOOR, LOUVER, WINDOW, & GLAZING TYPES; CASEWORK AND EQUIPMENT SCHEDULES; AND DETAILS.
- K. SEE SHEETS A-600 AND A-701 FOR FINISH SCHEDULE, PLANS, TRANSITIONS, PATTERNS AND WALL PROTECTION.
- . SEE STRUCTURAL DRAWINGS FOR SLAB DEPRESSIONS AND CUTOUTS. M. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR MASONRY CONTROL JOINTS.

PARTITION LEGEND

- 1. ALL EXTERIOR WALLS TO BE TYPE <u>W1</u> U.N.O. 2. ALL INTERIOR MASONRY PARTITIONS TO BE TYPE **<u>8M</u>** U.N.O. 3. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE **3A** U.N.O.
- NON-RATED PARTITION 1 HR. RATED PARTITION TO DECK
- 2 HR. RATED PARTITION TO DECK SMOKE RATED PARTITION TO DECK

NOTE: SEE SHEET A-004 AND A-005 FOR CONSTRUCTION SUBSYSTEMS.





DATE

DRAWN BY: Author

BASEBALL

AND

PLANS

RESTROOMS

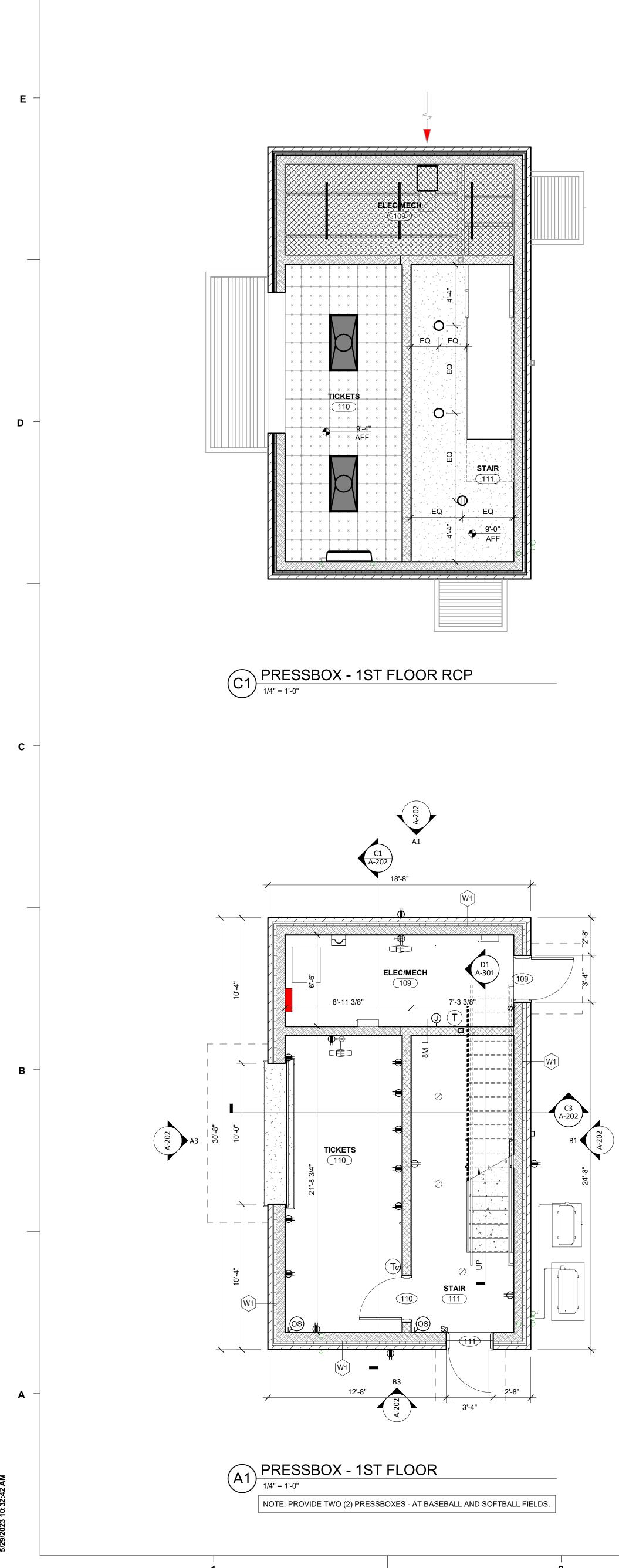
CONCESSION

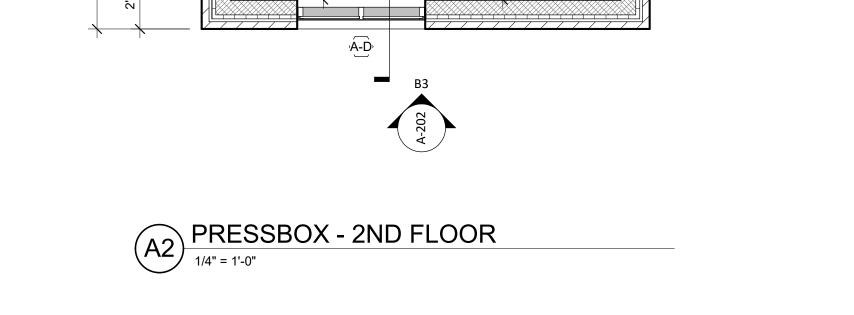
A-101

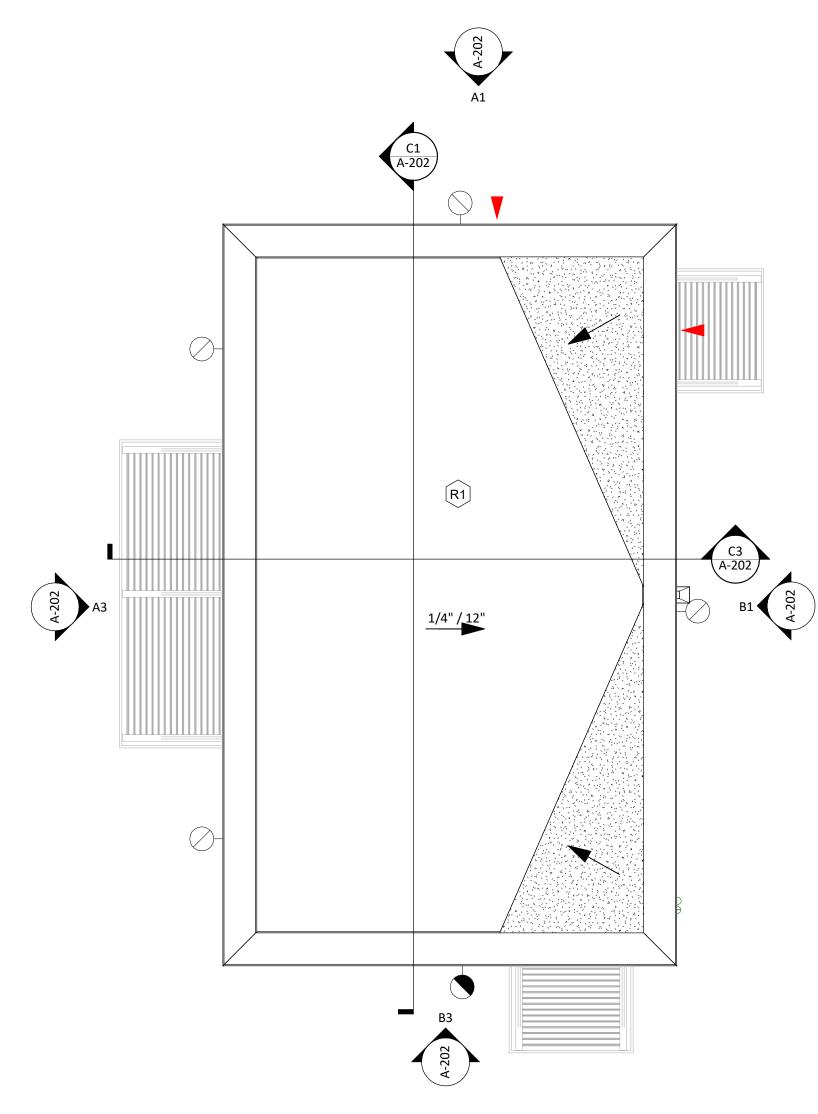
CHECKED BY: AWM

05/12/2023











18'-8"

PRESSBOX

(201)

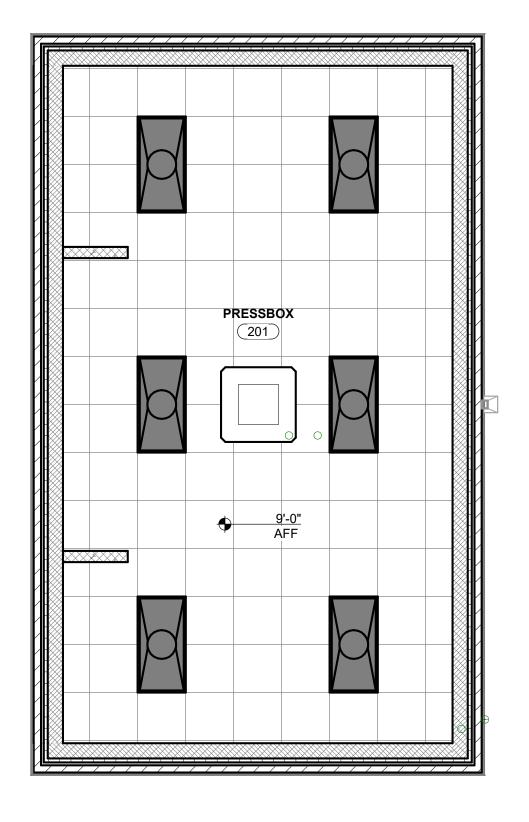
9'-4"

3'-4"

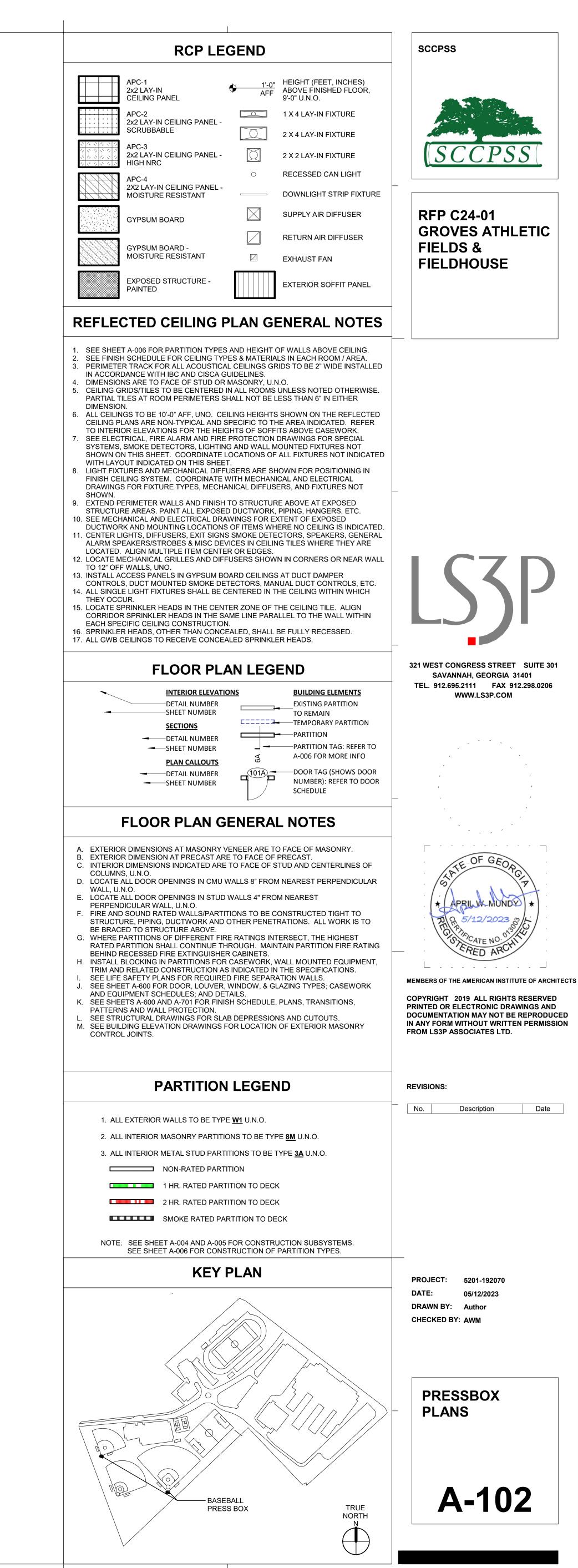
5'-4"

Á-D

4'-0"

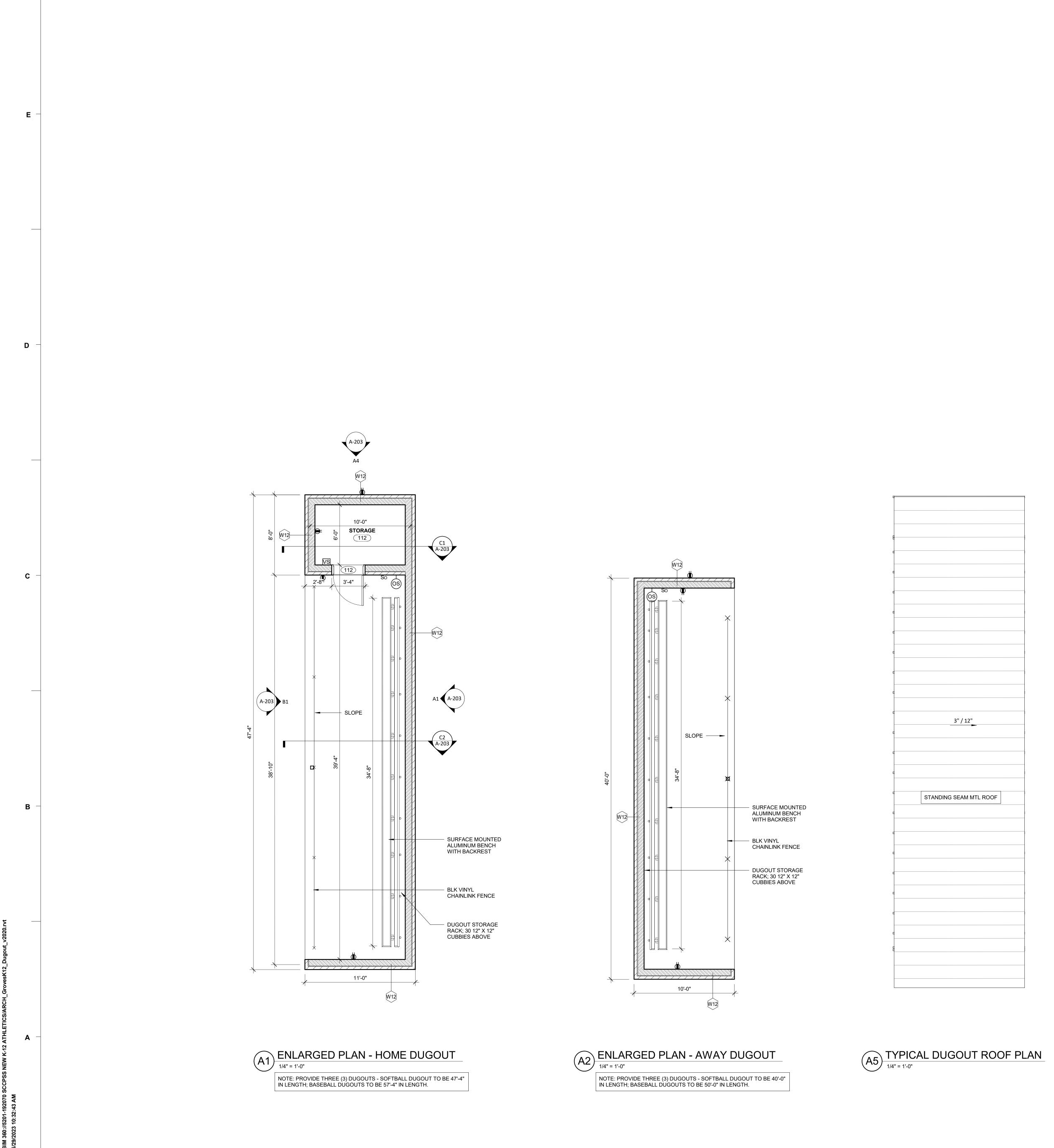






(A4) PRESSBOX - ROOF PLAN

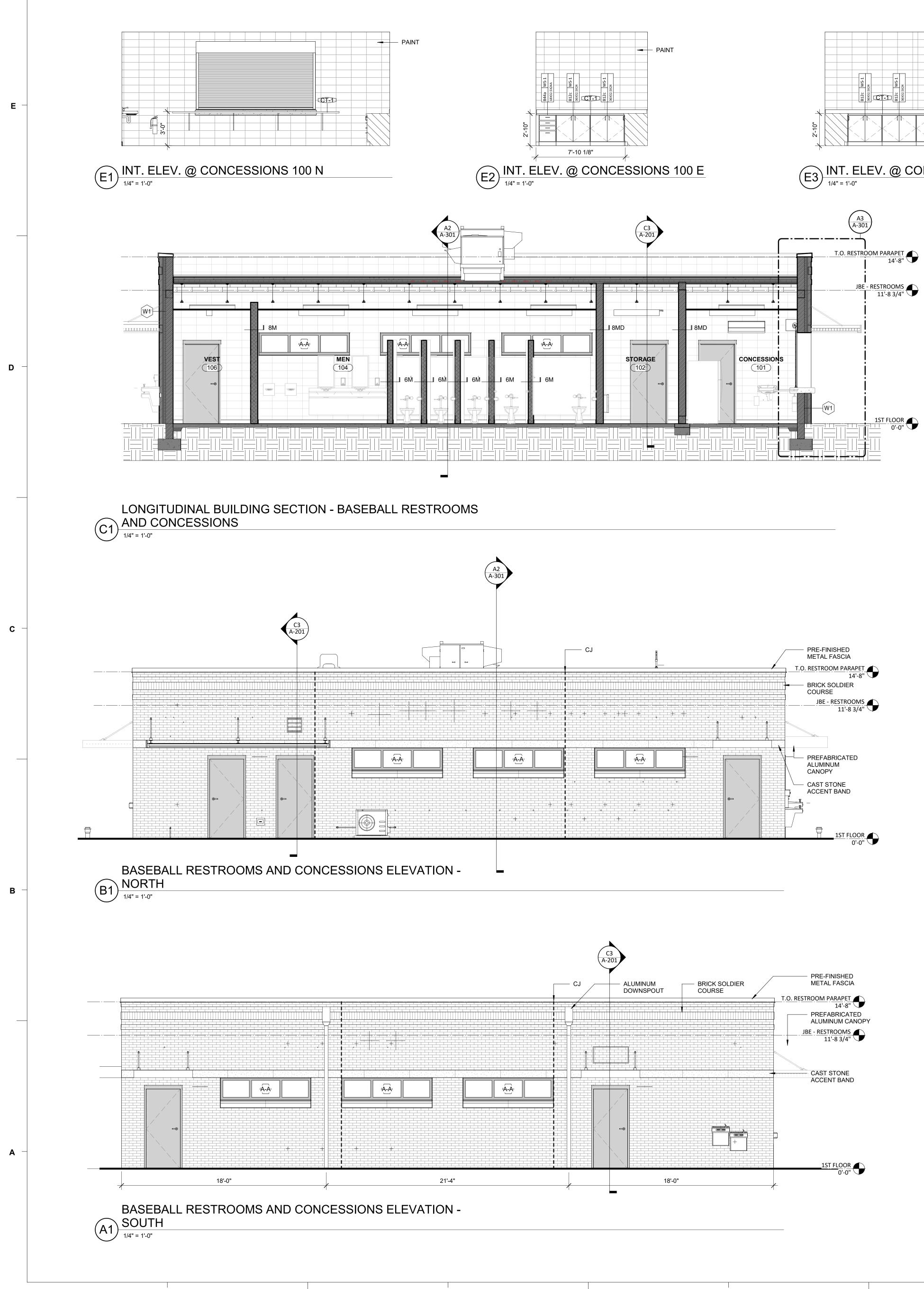
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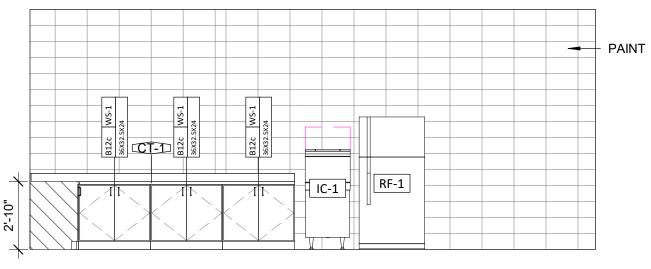


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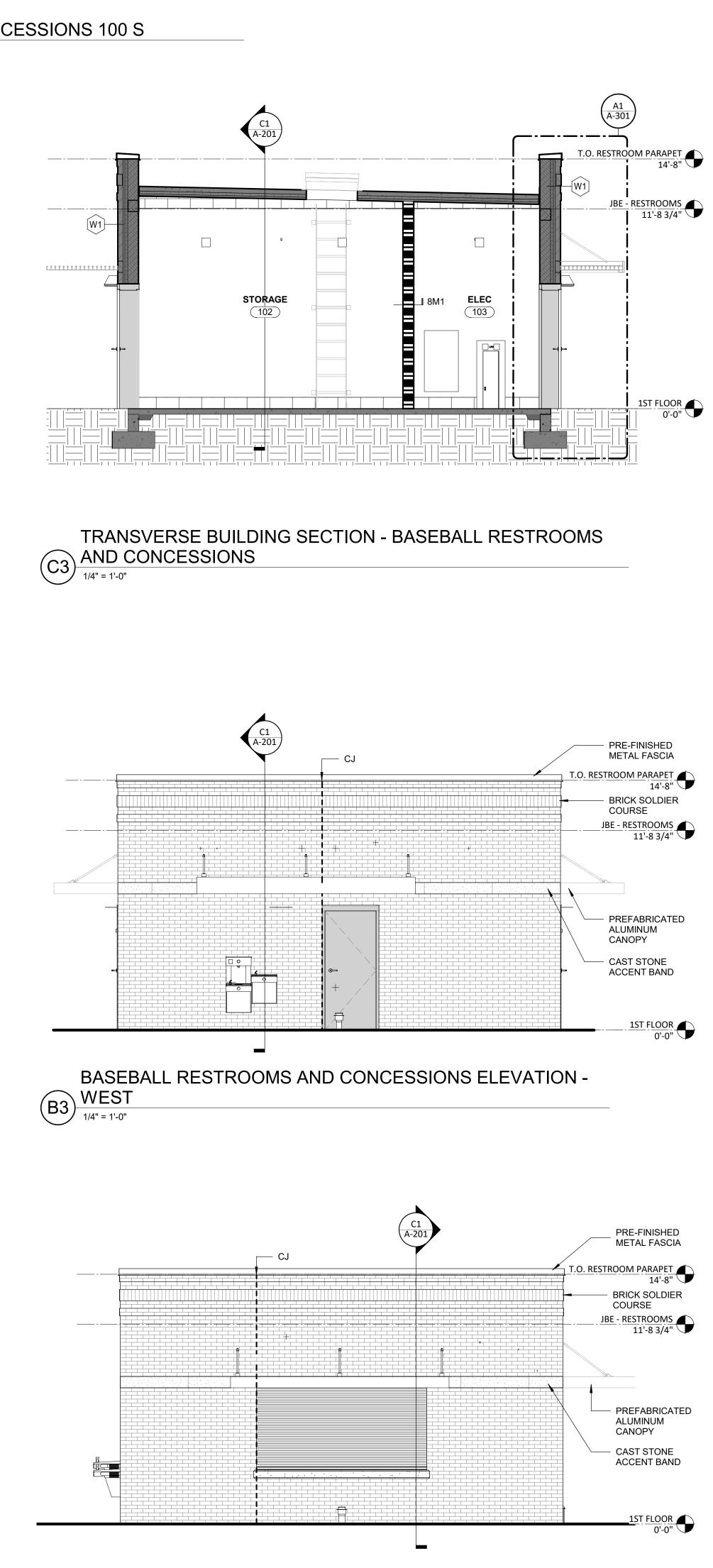
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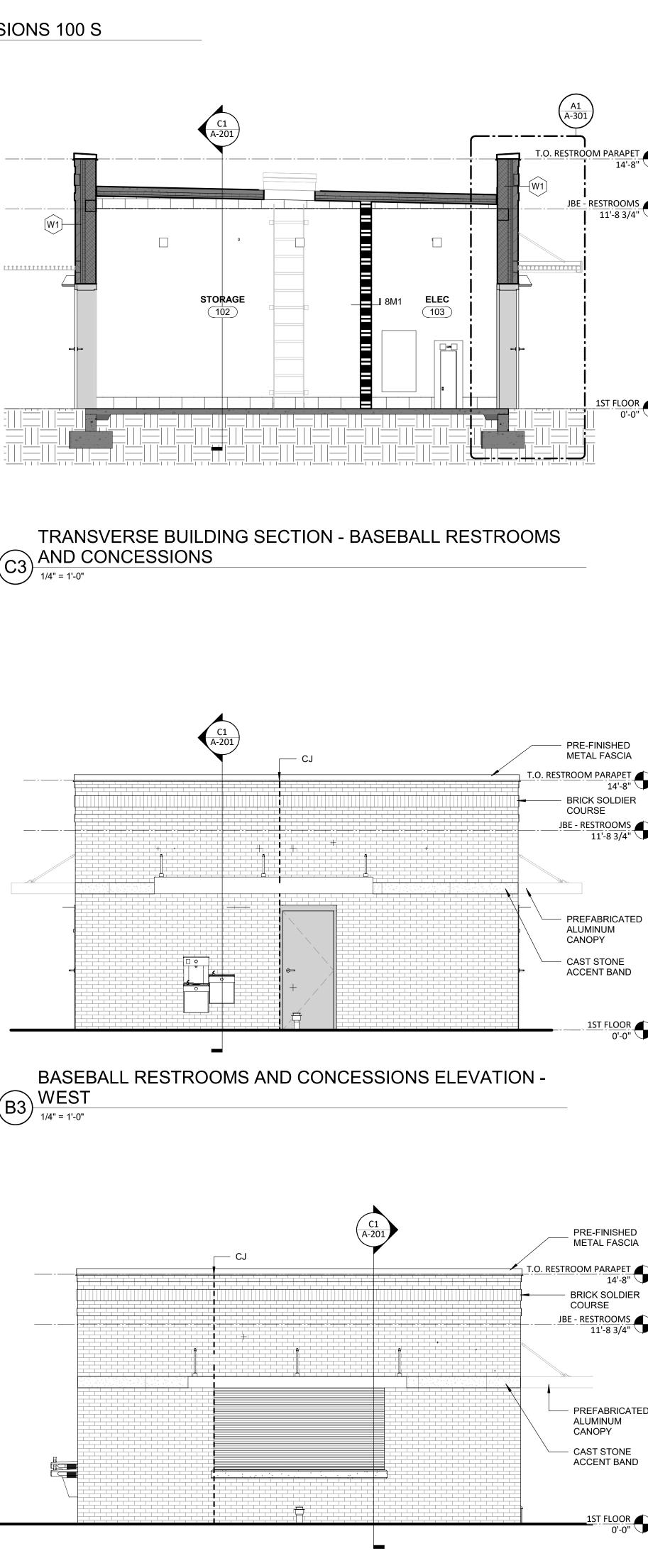


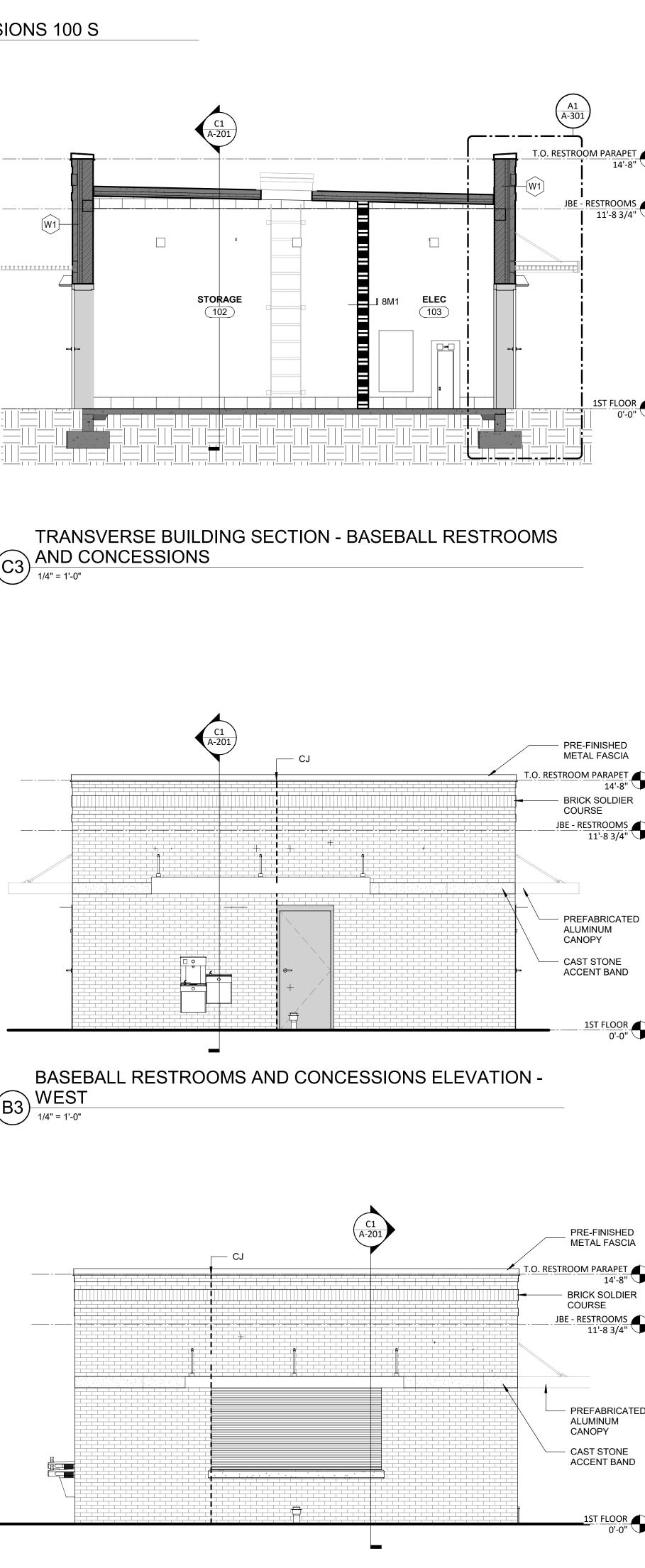


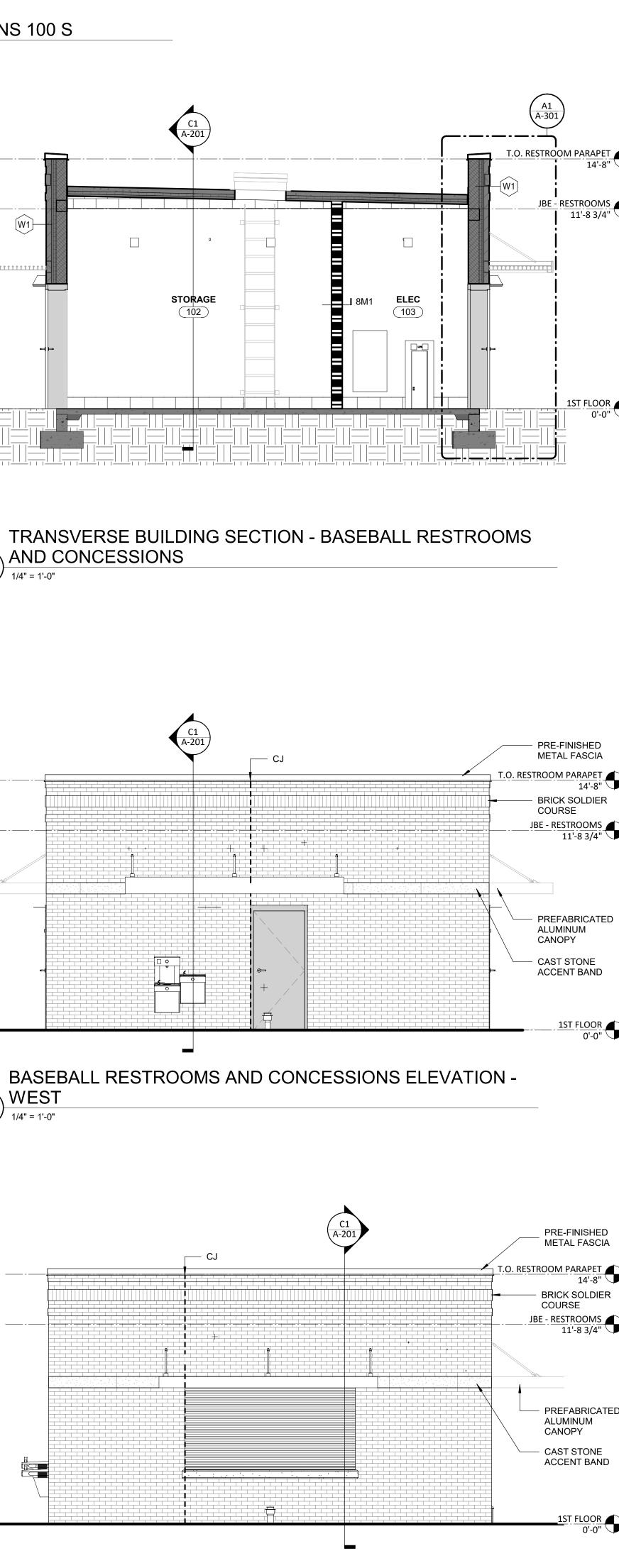


E3 INT. ELEV. @ CONCESSIONS 100 S



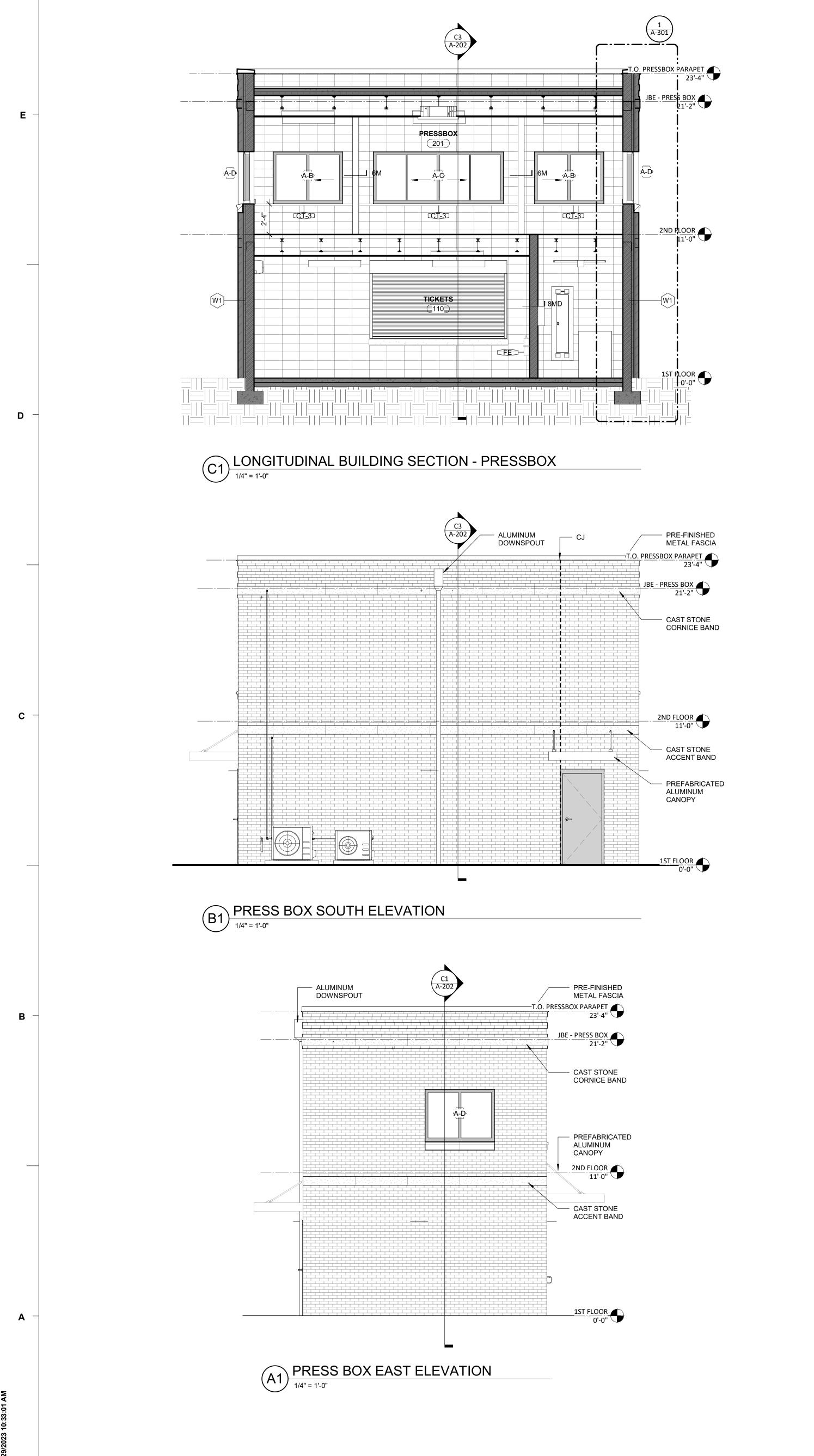




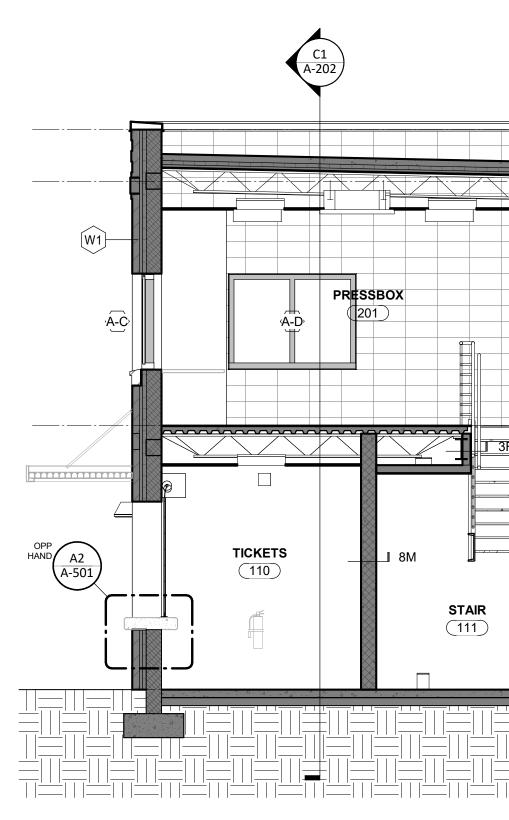


BASEBALL RESTROOMS AND CONCESSIONS ELEVATION -(A3) EAST 1/4" = 1'-0"

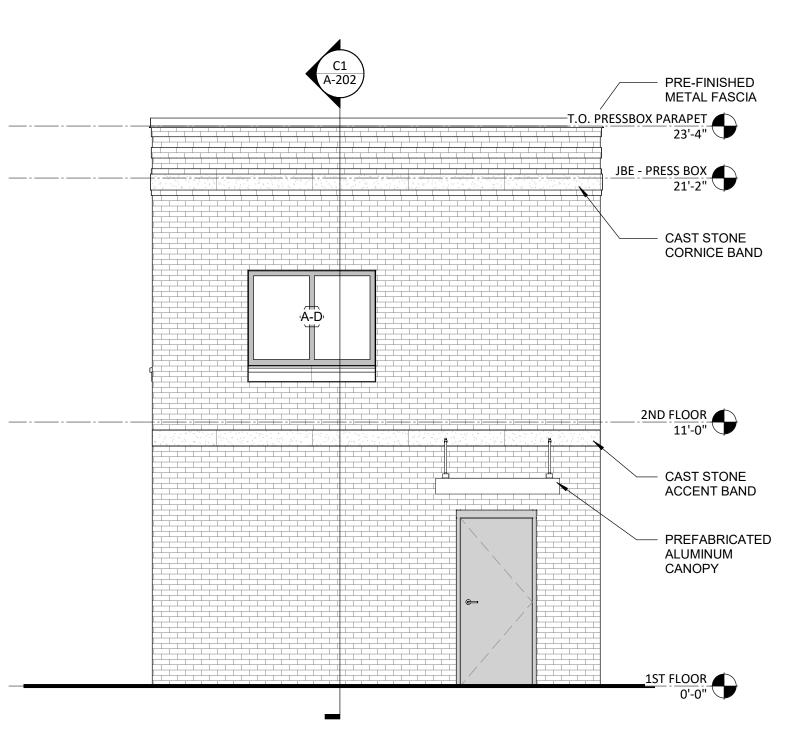


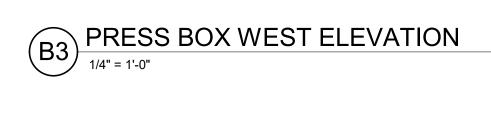


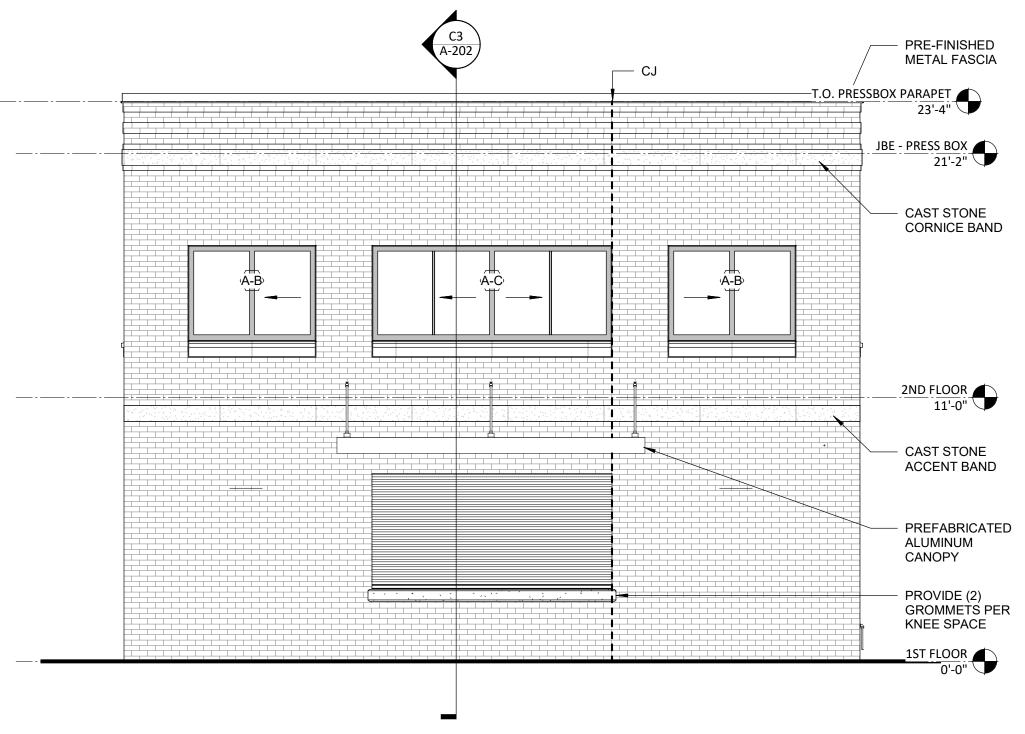
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C3 TRANSVERSE BUILDING SECTION - PRESSBOX

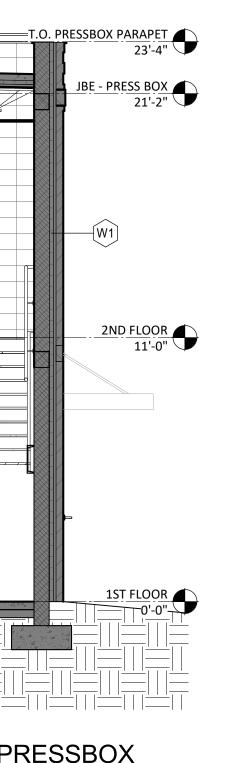




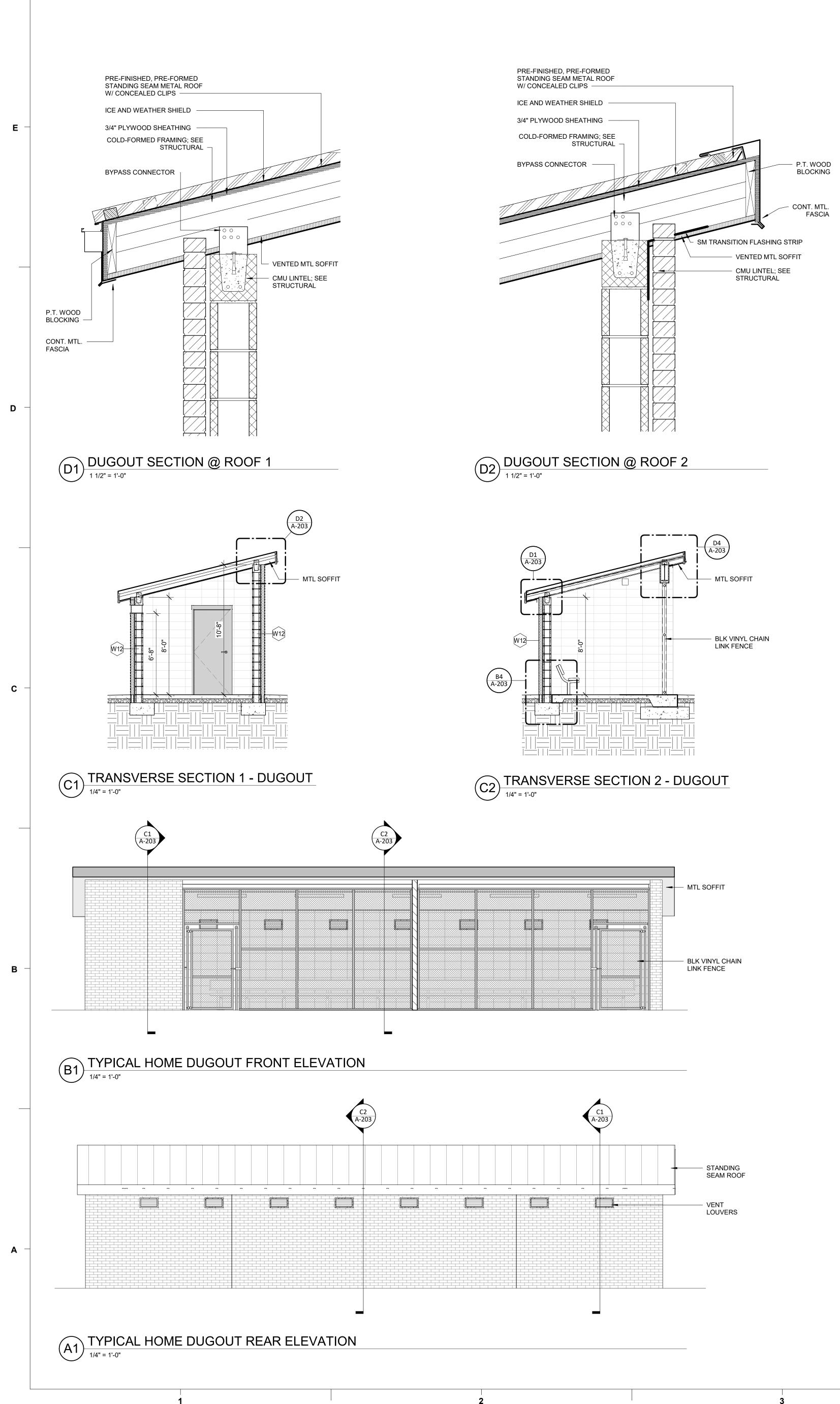




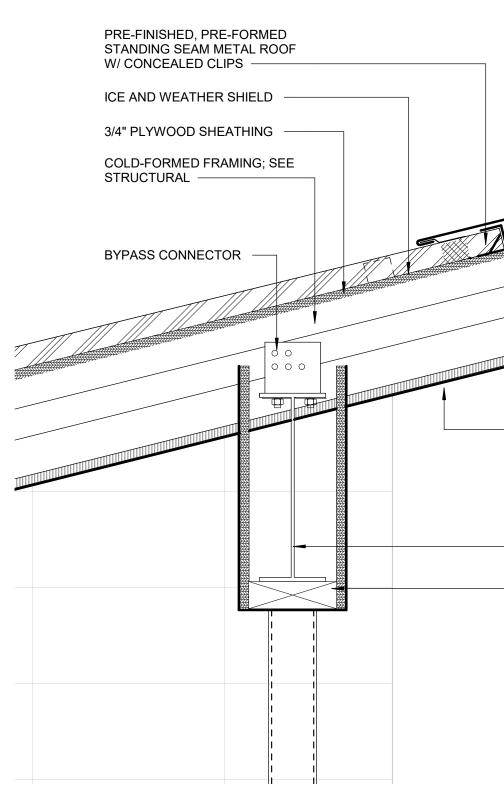




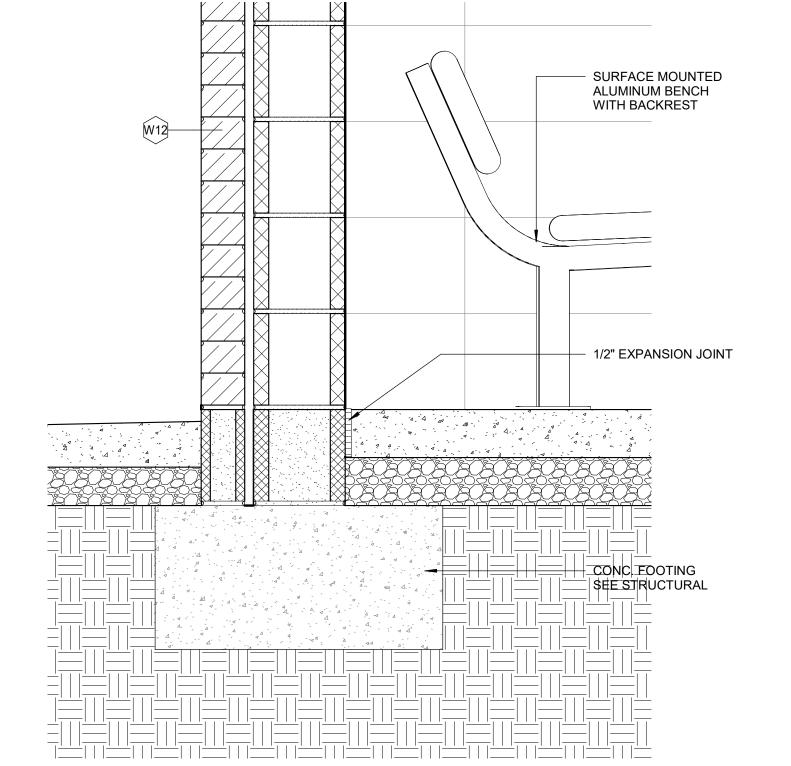




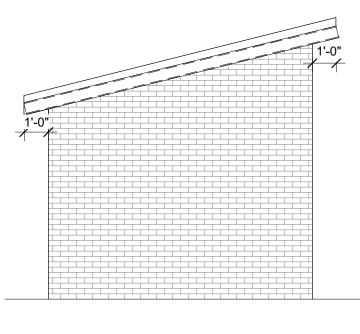
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D4 DUGOUT SECTION @ ROOF 3



B4 DUGOUT FOOTING DETAIL



A4 TYPICAL DUGOUT SIDE ELEVATION

CONT. MTL. FASCIA

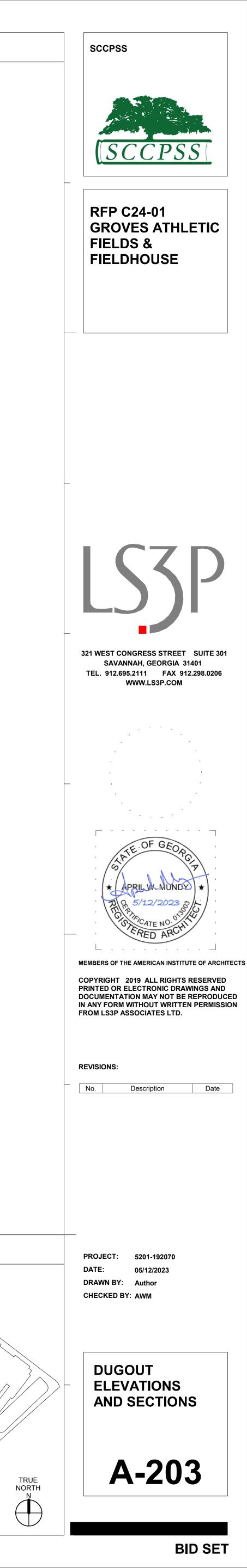


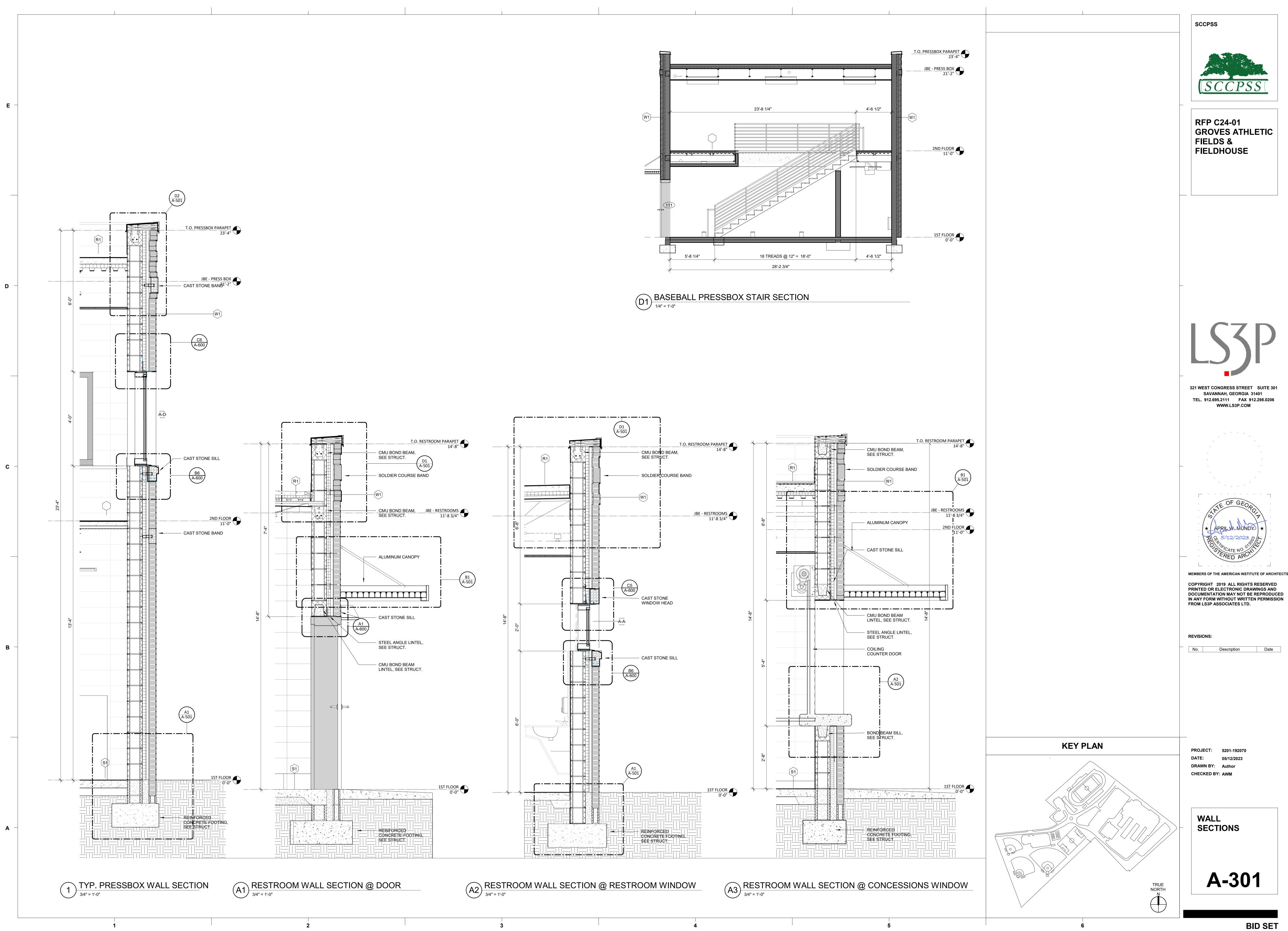
- STL BEAM; SEE STRUCTURAL

P.T. WOOD BLOCKING

KEY PLAN X SOFTBALL DUGOUT ∠YOUTH BASEBALL DUGOUT

GENERAL NOTES

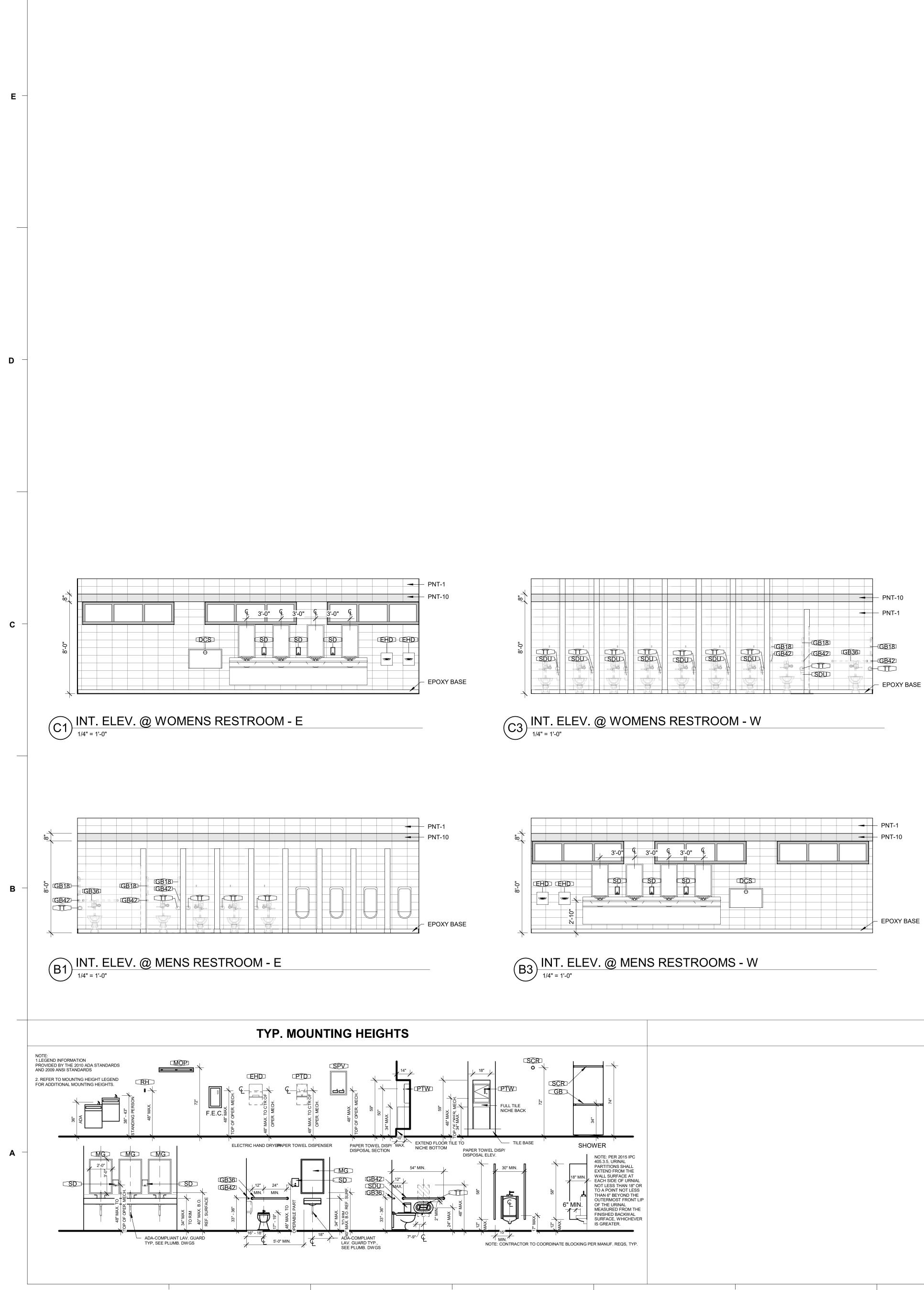




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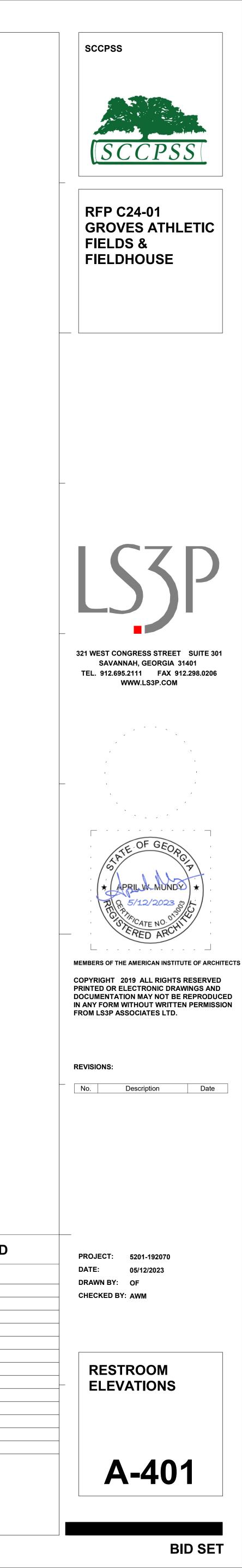
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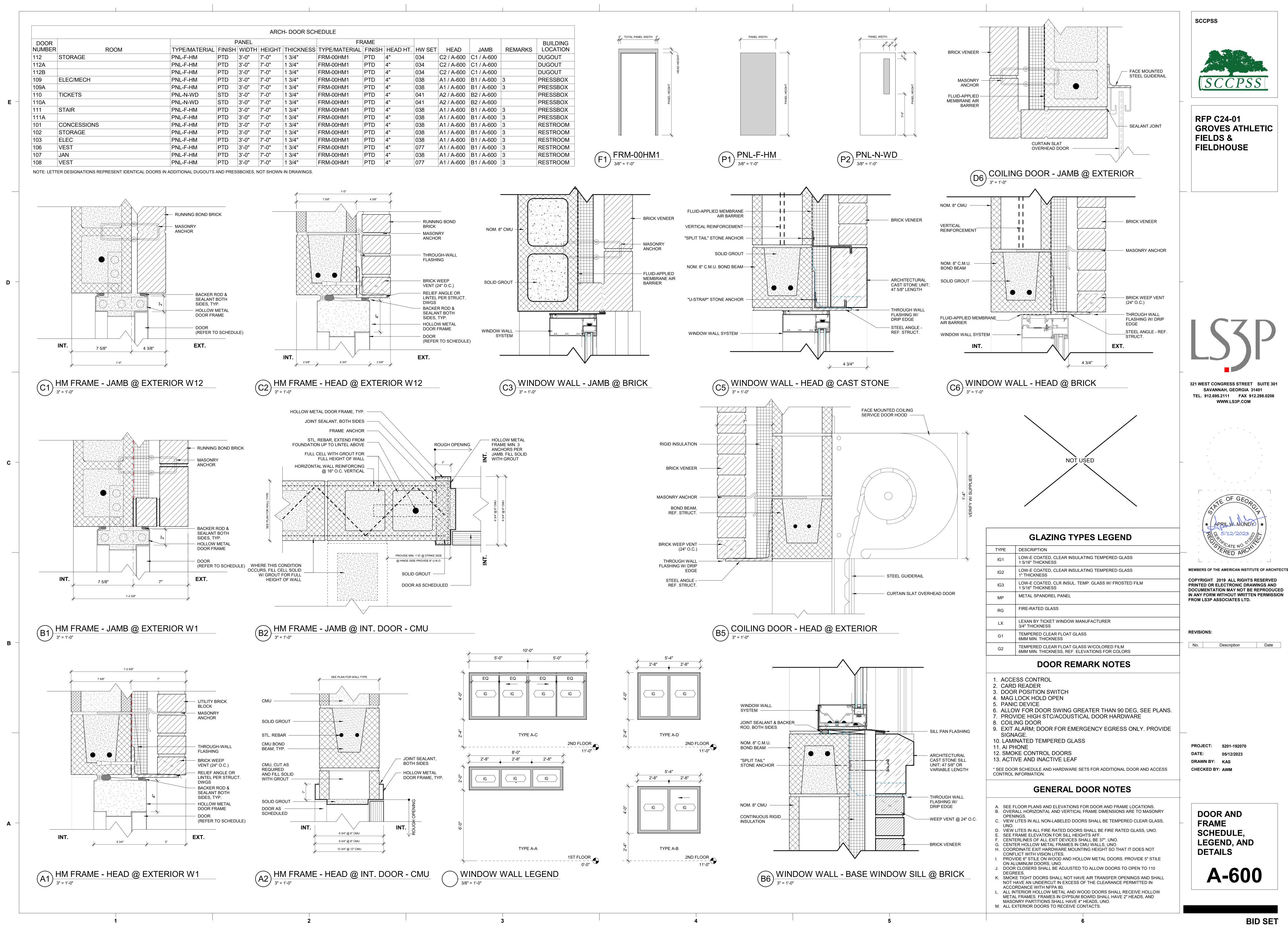
							-
		 					PNT-1
							-
2				-GB18 GB42	GB18 	GB36	GB18
8							
5							- EPOXY BASE

3

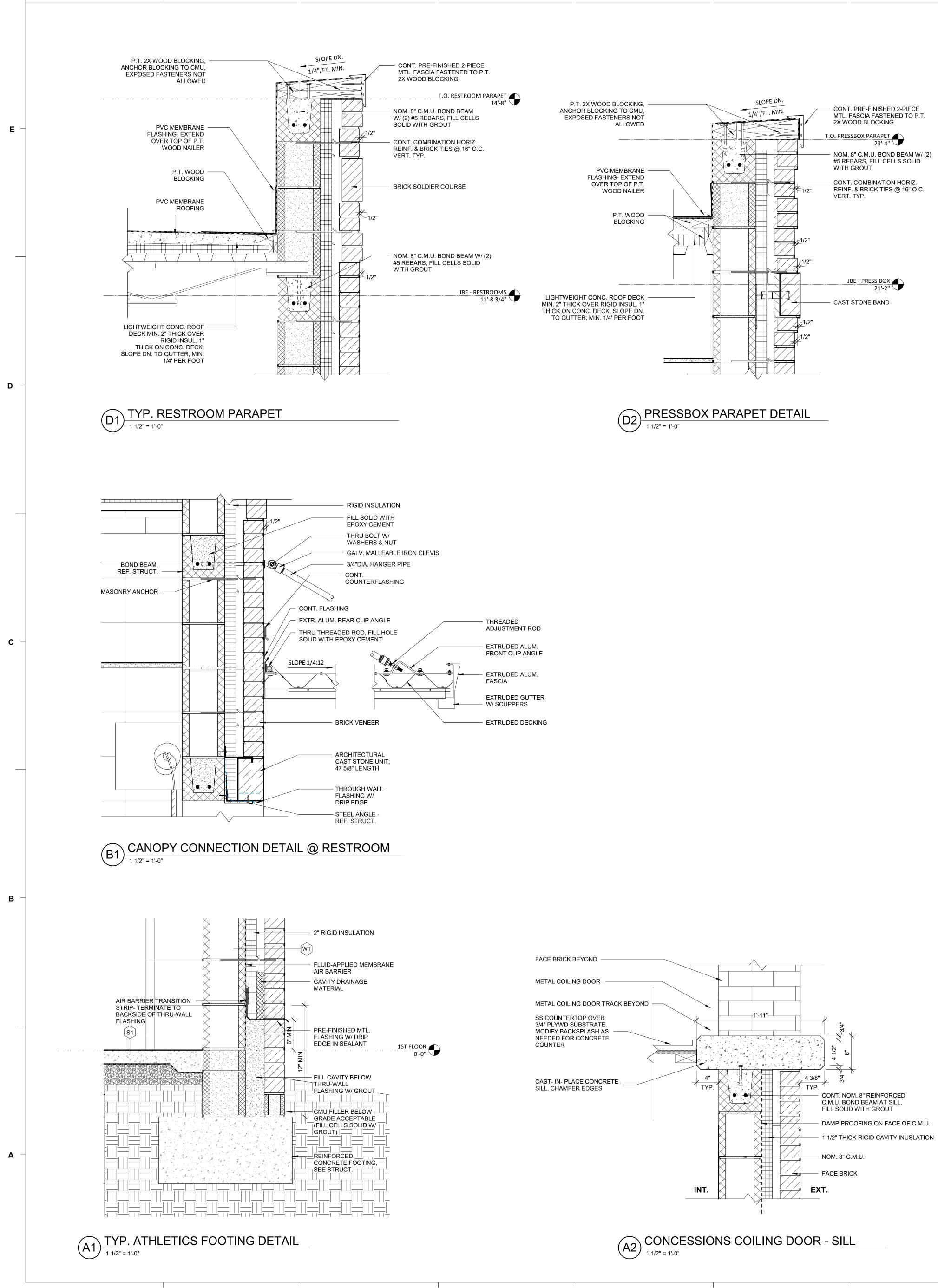
	TOILET ACCESSORIES LEGEND
I	DESCRIPTION
TT -	TOILET TISSUE DISPENSER
GB36	36" GRAB BAR
GB42 4	42" GRAB BAR
SDU S	SANITARY PRODUCT DISPOSAL UNIT
SD I	LIQUID SOAP DISPENSER
MM s	STAINLESS STEEL MIRROR UNIT (24" X 36")
EHD E	ELECTRIC HAND DRYER
WR ۱	WASTE RECEPTACLE
RH F	ROBE HOOK
MOP	MOP AND BROOM HOLDER
SH s	SOAP HOLDER
MH	MOP HOOKS
DCS [DIAPER CHANGING STATION

6





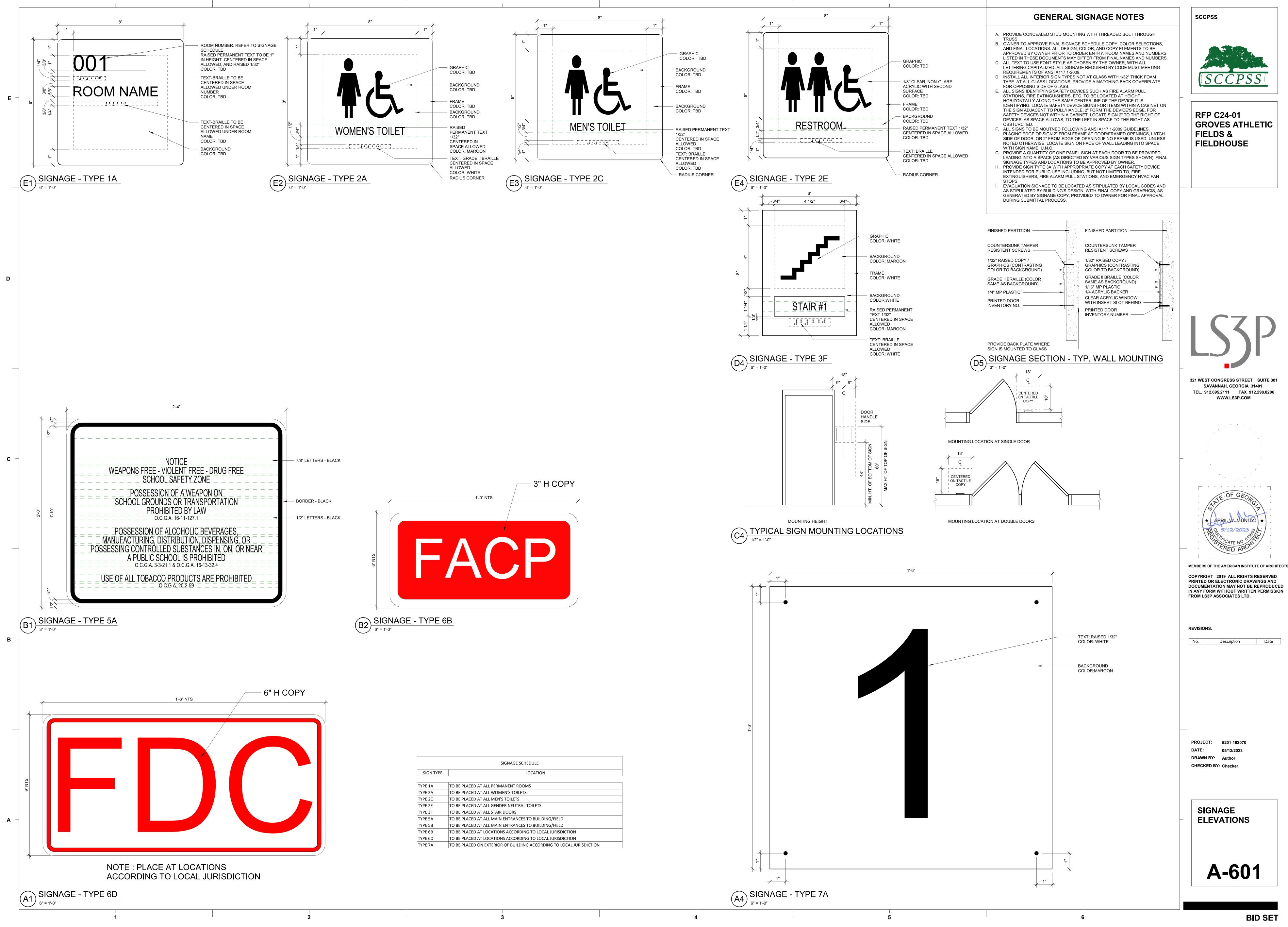
	GLAZING TYPES LEGEND
TYPE	DESCRIPTION
IG1	LOW-E COATED, CLEAR INSULATING TEMPERED GLASS 1 5/16" THICKNESS
IG2	LOW-E COATED, CLEAR INSULATING TEMPERED GLASS 1" THICKNESS
IG3	LOW-E COATED, CLR INSUL. TEMP. GLASS W/ FROSTED FILM 1 5/16" THICKNESS
MP	METAL SPANDREL PANEL
RG	FIRE-RATED GLASS
LX	LEXAN BY TICKET WINDOW MANUFACTURER 3/4" THICKNESS
G1	TEMPERED CLEAR FLOAT GLASS 6MM MIN. THICKNESS
G2	TEMPERED CLEAR FLOAT GLASS W/COLORED FILM 6MM MIN. THICKNESS, REF. ELEVATIONS FOR COLORS

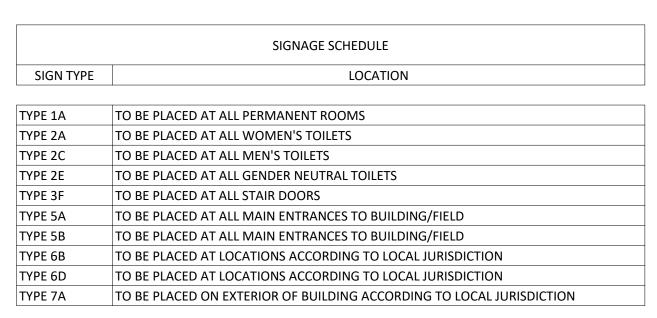


AM

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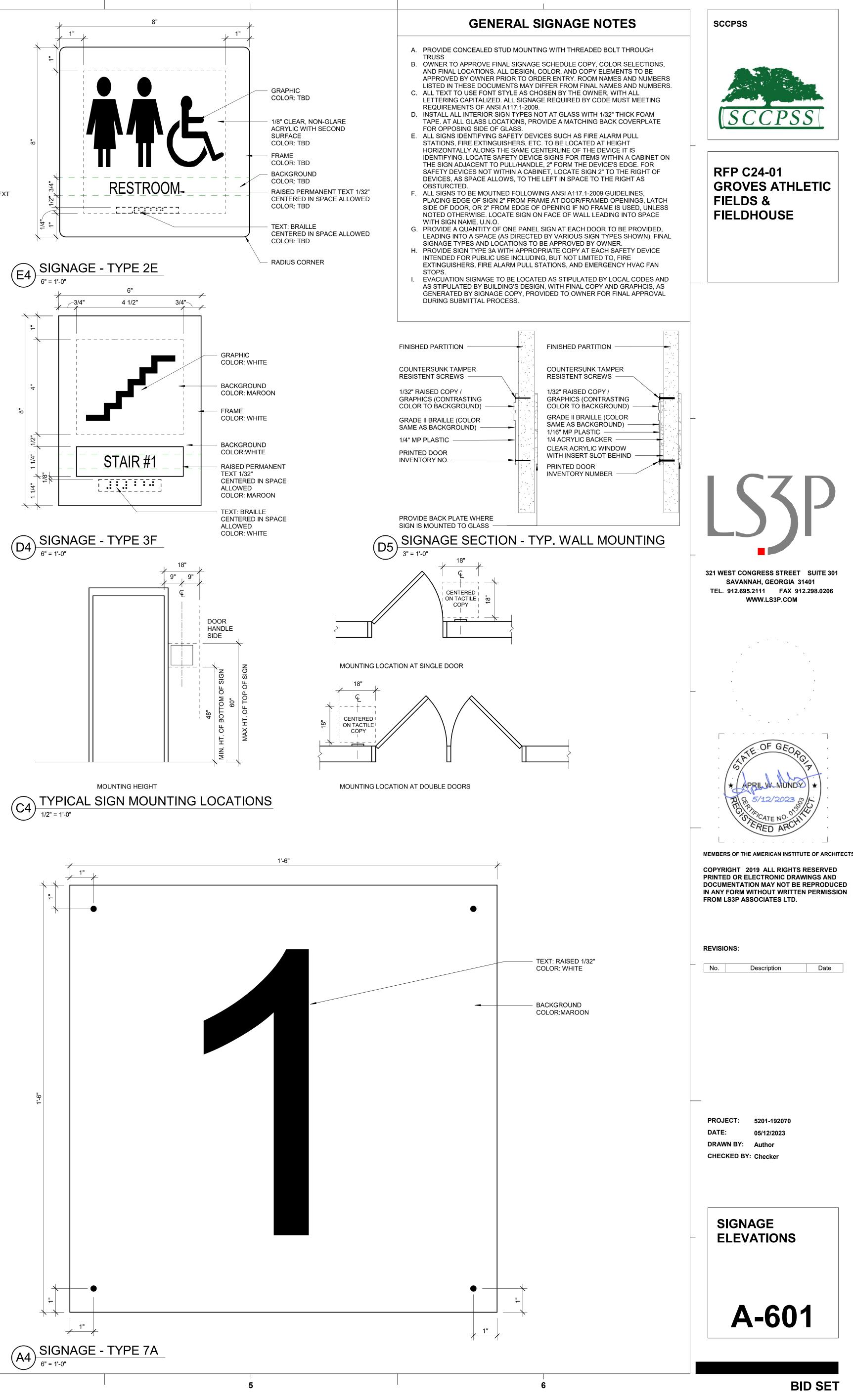


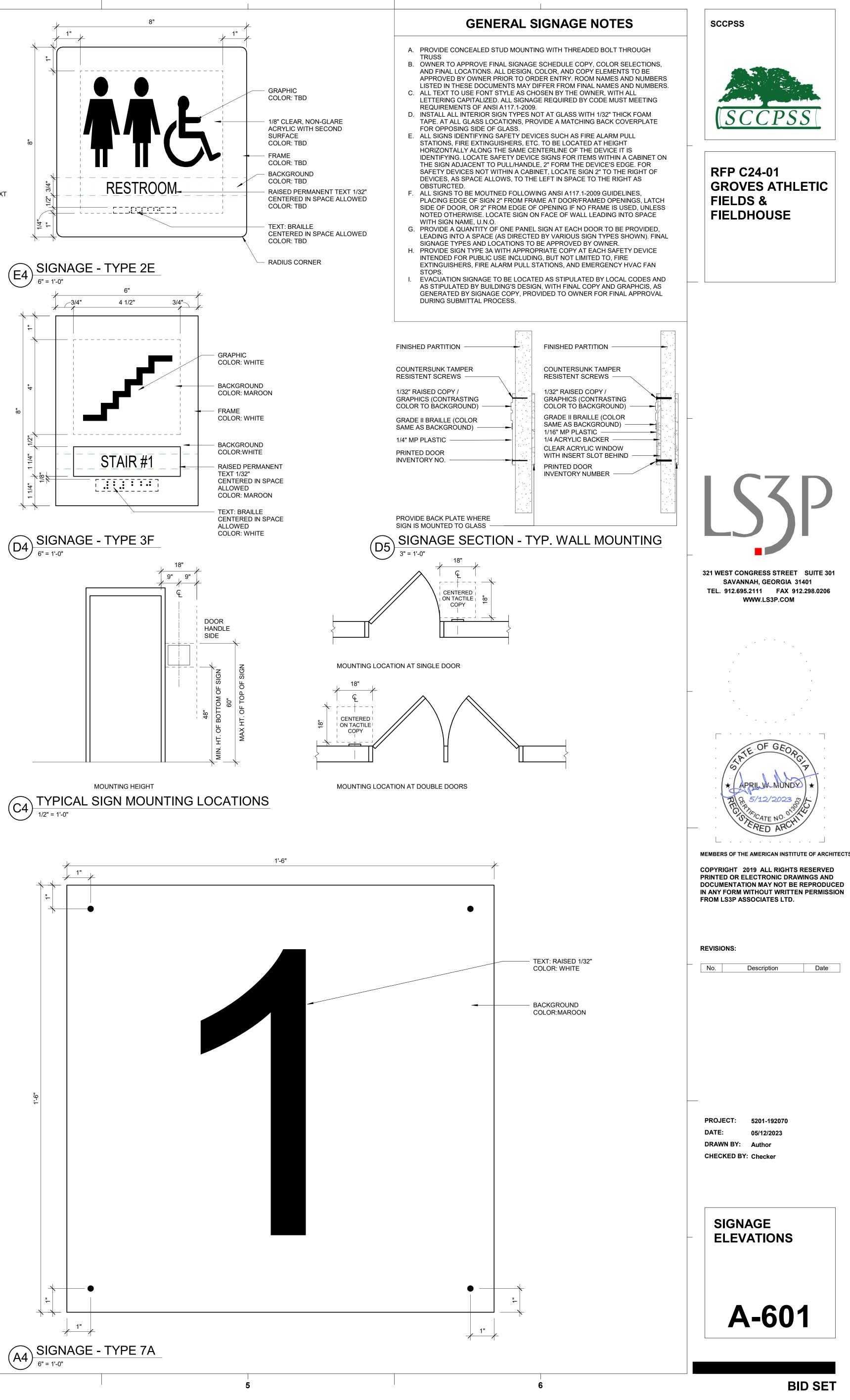




	SIGNAGE SCHEDULE
SIGN TYPE	LOCATION
YPE 1A	TO BE PLACED AT ALL PERMANENT ROOMS
YPE 2A	TO BE PLACED AT ALL WOMEN'S TOILETS
YPE 2C	TO BE PLACED AT ALL MEN'S TOILETS







			ROOM	FINISH LEGEND				
MATERIAL CODE	DESCRIPTION	MANUFACTURER	PRODUCT NAME AND NUMBER	STYLE / PATTERN	FINISH	COLOR	SIZE	SPEC SECTION
DIVISION 5	METAL FABRICATIONS							
ASA-1	ABRASIVE STAIR ACCESSORY	BABCOCK-DAVIS	RIBBED ABRASIVE	BSTSB-N	MILL	BLACK	SEE STAIR PLANS	055113
DIVISION 6	WOOD AND PLASTICS							
CHW-1	CABINET HARDWARE	-	WIRE PULL	-	-	-	-	
GRM-1	WIRE GROMMETS	-	-	-	-	BLACK	-	123623
GRM-2	GROMMETS	MOCKETT	STAINLESS STEEL TRASH GROMMET	TM2/SQ		STAINLESS STEEL	8" SQ. X 1"	123623
SSM-1	SOLID SURFACE MATERIAL	CORIAN					SERENE SAGE	123661
SSM-2	SOLID SURFACE MATERIAL	CORIAN					RICEPAPER	123661
WS-1	WOOD SURFACE	-	-	PLAIN SLICED RED OAK	STAIN TO MATCH PLM-1	-	-	123551
DIVISION 8	DOORS AND WINDOWS			-			I	
WDF-1	FLUSH WOOD DOOR	EGGERS	WHITE BIRCH	STAIN	TR-6/UV CURED CATALYZED POLYURETHANE	CLEAR	-	081416
DIVISION 9	FINISHES - CEILINGS							
APC-1	ACOUSTICAL PANEL CEILING, STANDARD	ARMSTRONG	FINE FISSURED; PRELUDE	1728	SQUARE LAY-IN	WHITE	24" X 24"	095113
APC-2	ACOUSTICAL PANEL CEILING, VINYL FACED	ARMSTRONG	ULTIMA HEALTH ZONE; PRELUDE	1935	SQUARE LAY-IN	WHITE	24" X 24"	095113
APC-3	ACOUSTICAL PANEL CEILING, STANDARD	ARMSTRONG	OPTIMA; PRELUDE XL	3150	SQUARE LAY-IN	WHITE	24" X 24"	095113
APC-4	ACOUSTICAL PANEL CEILING, STANDARD	ARMSTRONG	CERAMAGUARD FINE FISSURED	607	SQUARE LAY-IN	WHITE	24" X 24"	095113
DIVISION 9	FINISHES - FLOORS	I			- I	I	I	
CSL-1	SEALED CONCRETE	SHERWIN WILLIAMS	ARMORSEAL 1K	-	-	CLEAR	-	099600
EPX-1	EPOXY FLOORING	KEY RESIN	BROADCAST QUARTZ			SLATE	-	
DIVISION 9	FINISHES - WALL BASE				- 1			
RBS-1	RUBBER BASE	ROPPE				114 LUNAR DUST	4"H	096513
DIVISION 9	FINISHES - WALLS						1	
AWP-1	ACOUSTICAL METAL PANEL	GORDON	ALPRO WALL PANELS	PATTERN D			24" X 48"	098433
FRP-1	FIBERGLASS REINFORCED PLASTIC PANELS	CRAINE COMPOSITES						066400
GTW-1	GROUT, WALL					TBD		
PNT-1	PAINT	SHERWIN WILLIAMS	SW 7008	-	G5 SEMIGLOSS	ALABASTER	-	099123 & 099600
PNT-10	PAINT	SHERWIN WILLIAMS	SW7669		G5 SEMIGLOSS	SUMMIT GRAY	-	099123 & 099600
PNT-12	PAINT	SHERWIN WILLIAMS	SW 6258	-	G1 FLAT MATTE FINISH	TRICORN BLACK 251-C1	-	099123 & 099600
DIVISION 1	0 SPECIALTIES							
MB-1	MARKERBOARD						96" X 48"	101100
TBD-1	TACKBOARD						48" X 48"	101100
TPT-1	TOILET PARTITION	SCRANTON	HINEY HIDERS					102113
DIVISION 1	2 FURNISHINGS							
BLD-1	ROLLER SHADES	SPRINGS WINDOW FASHION	-	-	-	WHITE		122413
FAS-1	FIXED AUDIENCE SEATING							126100

			A	RCH- M	ILLWO	RK- BA	SE Al	ND F	ULL I	HEIG	БНТ				
			FACE STYLE GAP CABINET CARCASS NOMINAL FEATURE HEIGHT DIMS						КІСК						
Type Mark	TAG	ТҮРЕ	DESCRIPTION	WIDTH	HEIGHT	DEPTH	А	В	C	D	HEIGHT	WIDTH	HEIGHT	DEPTH	COMMENTS
B12c	B12	36X32.5X24	CABINET- BASE- 2 DOOR	36"	32 1/2"	24"	28 1/2"				1"	1"	4"	3"	
B44a	B44	18X32.5X24A	CABINET- BASE- 4 DRAWER	18"	32 1/2"	24"	6"	5 1/4"	5 1/4"	12"	1"	1"	4"	3"	

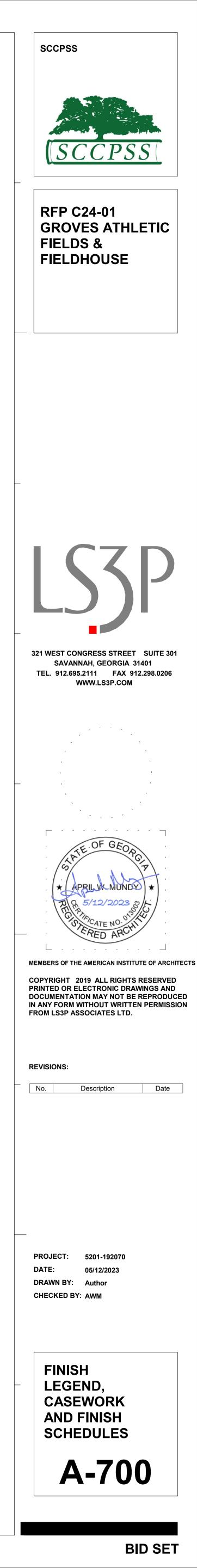
				ARC	CH- MILL	WORK- C	OUNTER	TOPS				
	COUNT	ERTOP DEPTH	COUNTER	TOP LENGTH		WORKSURFAC	E		BA	CK AND SIDE SPL	ASHES	
									BACK	SPLASH 1	BACK	SPLASH 2
								SPLASH		HEIGHT IF		HEIGHT IF
TYPE	LEG 1	LEG 2	LEG 1	LEG 2	HEIGHT	MATERIAL	THICKNESS	MATERIAL	PRESENT	PRESENT	PRESENT	PRESENT
									-			
CT-1	2'-1"	2'-1"	11'-0 1/2"	9'-9"	2'-10"	SSM-1	1 1/2"	SSM-1	Yes	4"	Yes	4"
CT-1	2'-1"		14'-8"		3'-0"	SSM-1	1 1/2"	SSM-1	No	4"		
СТ-3	2'-7"		7'-6 3/16"		2'-4"	SSM-1	1 1/2"	SSM-1	No	4"		
CT-3	2'-7"		12'-2 3/8"		2'-4"	SSM-1	1 1/2"	SSM-1	No	4"		
СТ-3	2'-7"		7'-5 47/128"		2'-4"	SSM-1	1 1/2"	SSM-1	No	4"		

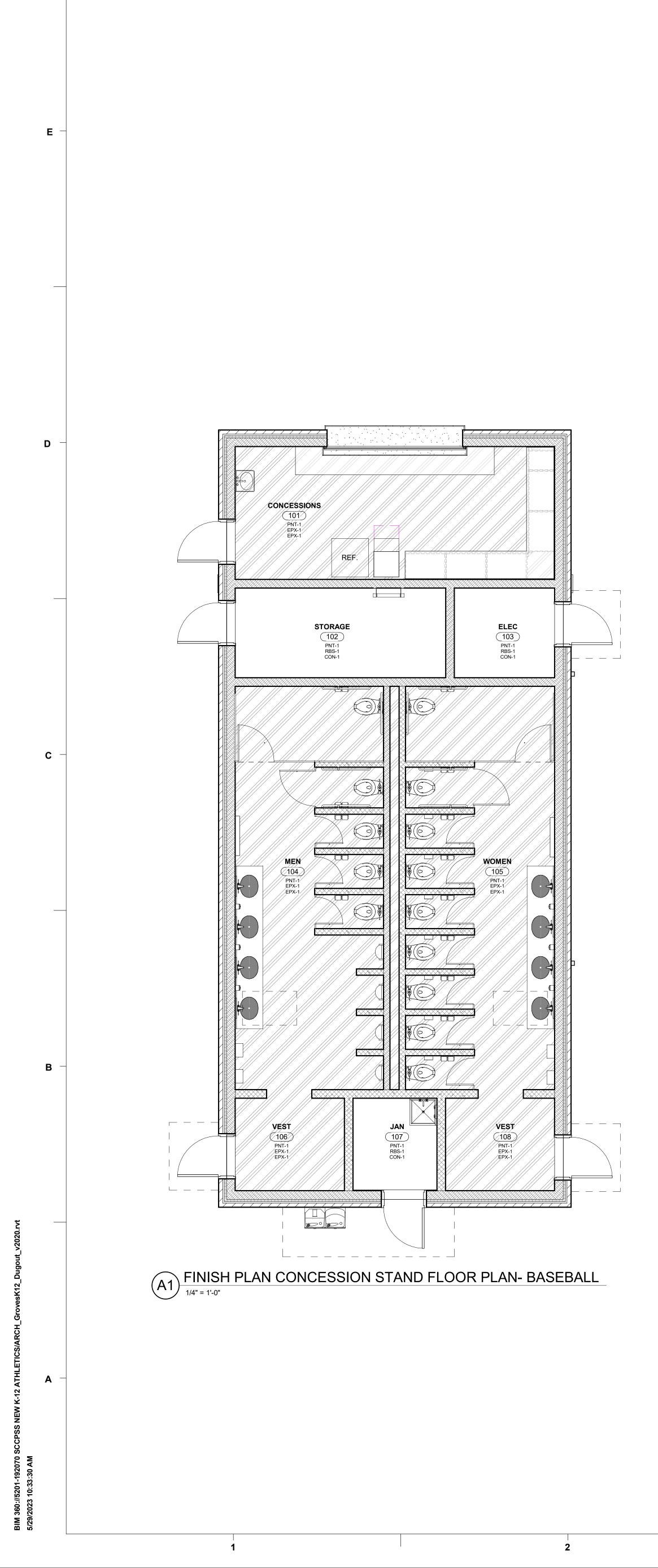
В

			ROOM FINISH		
	ROOM	WALL			
NUMBE	R	FINISH	BASE	FLOORING	REMARKS
SITE PL	A NI				
101	CONCESSIONS	PNT-1	EPX-1	EPX-1	
102	STORAGE	PNT-1	RBS-1	CON-1	
103	ELEC	PNT-1	RBS-1	CON-1	
104	MEN	PNT-1	EPX-1	EPX-1	
105	WOMEN	PNT-1	EPX-1	EPX-1	
106	VEST	PNT-1	EPX-1	EPX-1	
107	JAN	PNT-1	RBS-1	CON-1	
108	VEST	PNT-1	EPX-1	EPX-1	
109	ELEC/MECH	PNT-1	RBS-1	CON-1	
110	TICKETS	PNT-1	EPX-1	EPX-1	
111	STAIR	PNT-1	RBS-1	CON-1	
112	STORAGE	PNT-1	RBS-1	CON-1	
2ND FL	OOR				

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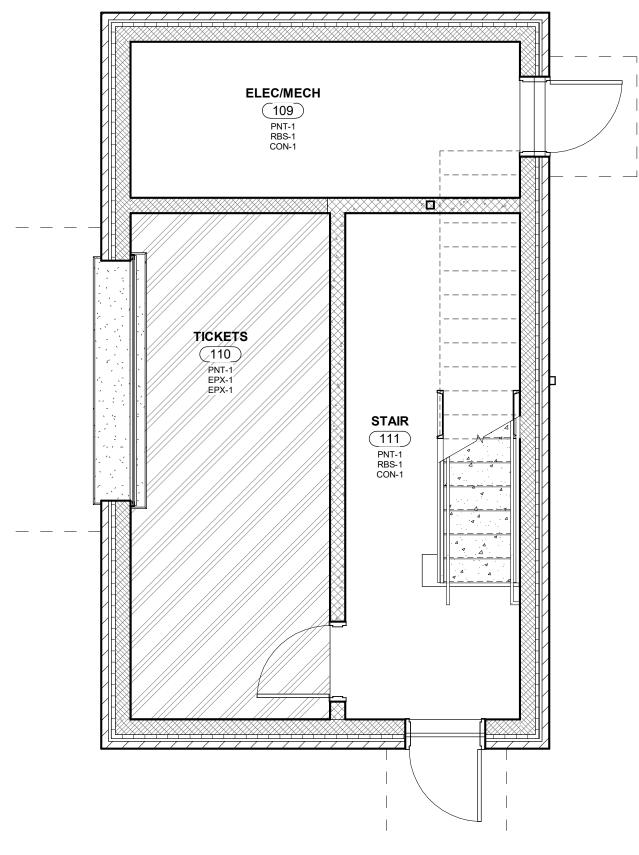




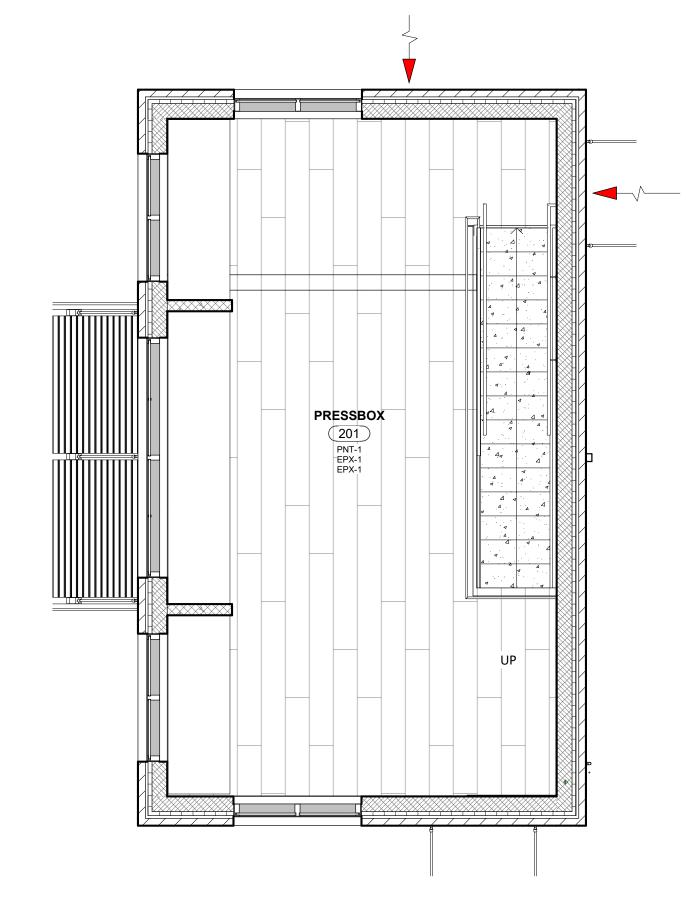
			ROOM FINISH S	SCHEDULE	
	ROOM	WALL			
NUMBER	NAME	FINISH	BASE	FLOORING	REMARKS
SITE PLA	ANI (
101		PNT-1	EPX-1	EPX-1	
102	STORAGE	PNT-1	RBS-1	CON-1	
103	ELEC	PNT-1	RBS-1	CON-1	
104	MEN	PNT-1	EPX-1	EPX-1	
105	WOMEN	PNT-1	EPX-1	EPX-1	
106	VEST	PNT-1	EPX-1	EPX-1	
107	JAN	PNT-1	RBS-1	CON-1	
108	VEST	PNT-1	EPX-1	EPX-1	
109	ELEC/MECH	PNT-1	RBS-1	CON-1	
110	TICKETS	PNT-1	EPX-1	EPX-1	
111	STAIR	PNT-1	RBS-1	CON-1	
112	STORAGE	PNT-1	RBS-1	CON-1	
2ND FLO	OR				
201	PRESSBOX	PNT-1	EPX-1	EPX-1	

ROOM FINISH SCHEDULE NOTES 1. SEE ELEVATIONS FOR ADDITIONAL FINISHES 2. SEE FINISH PLAN FOR ADDITIONAL FINISHES & FLOOR PATTERN

3. SEE A**** FOR TYPICAL TILE BASE DETAIL





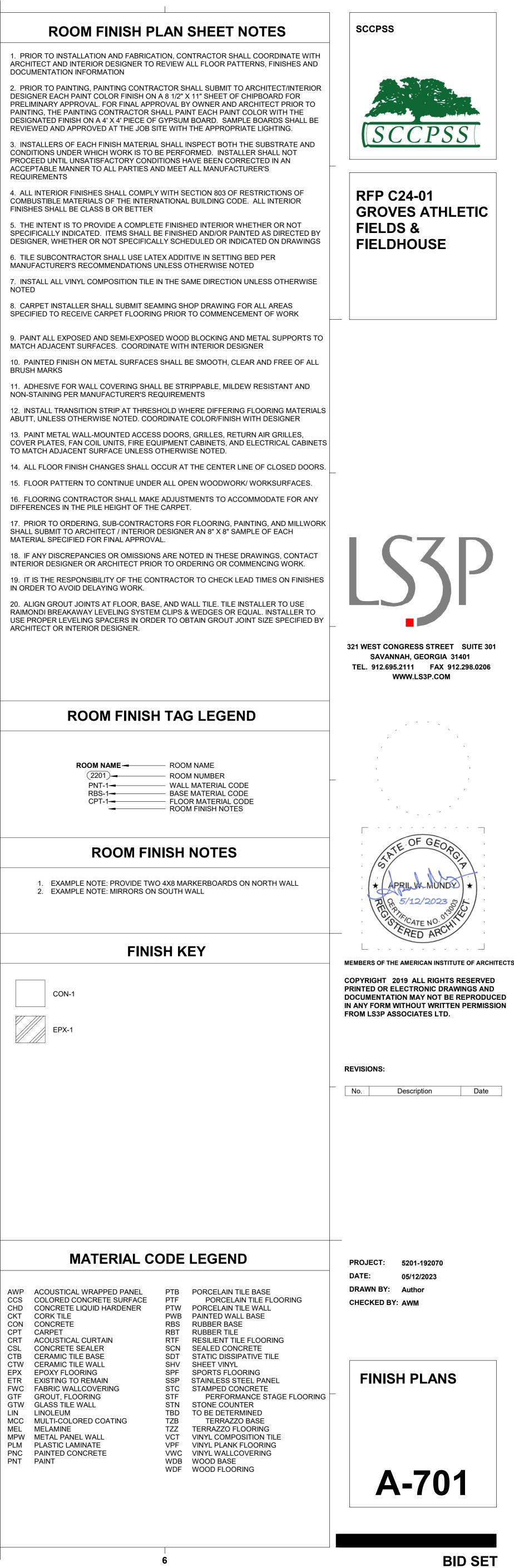


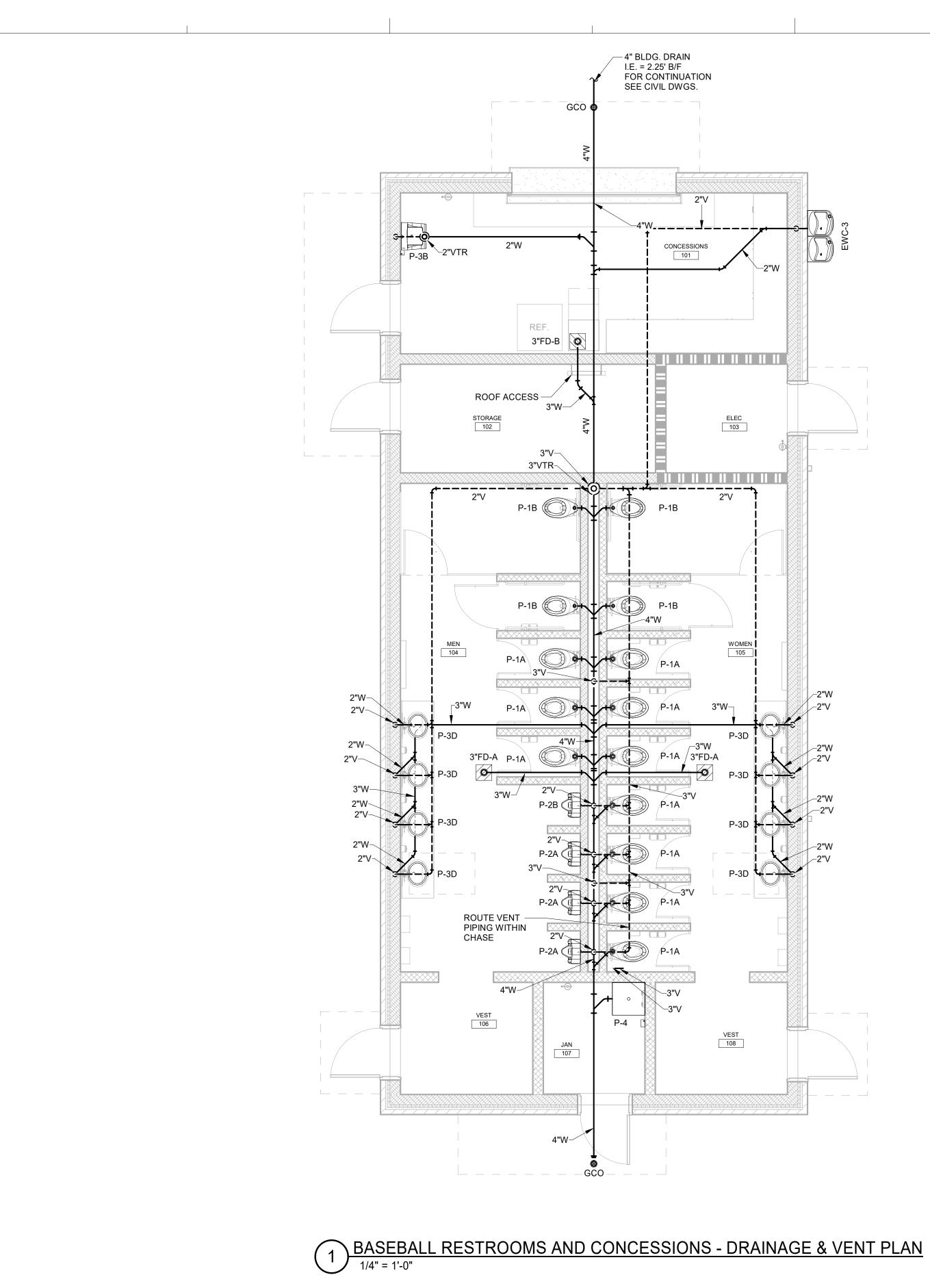


A4 FINISH PLAN BASEBALL PRESSBOX - 2ND FLOOR

ROOM NAME -(2201)-PNT-1-RBS-1-

ROOM NAME ROOM NUMBER WALL MATERIAL CODE BASE MATERIAL CODE - ROOM FINISH NOTES





MOUNTING HEIGHT REMARKS	NCHES)	ION SIZE (I	I CONNECT					
(ABOVE FLOOR)	VENT	WASTE	COLD WATER	HOT WATER	DESCRIPTION	ITEM		
15" RIM HT MANUAL FLUSH VALVE	1-1/2"	3"	1"		WATER CLOSET	P-1A		
18" RIM HT MANUAL FLUSH VALVE	1-1/2"	3"	1"		WATER CLOSET - H.C.	P-1B		
24" RIM HT MANUAL FLUSH VALVE	1-1/2"	2"	3/4"		URINAL	P-2A		
17" RIM HT MANUAL FLUSH VALVE	1-1/2"	2"	3/4"		URINAL - H.C.	P-2B		
34" RIM HT SINGLE LEVER FAUCET	1-1/2"	1-1/4"	1/2"	1/2"	LAVATORY - H.C.	P-3B		
SOLID SURFACE W/INTEGRAL BOWL - METERING	1-1/2"	1-1/4"	1/2"		LAVATORY - H.C.	P-3D		
FLOOR MTD. / 36" FAUCET HT.	1-1/2"	3"	1/2"	1/2"	MOP SINK	P-4		
30" BOX HT.			1/2"		ICE MAKER BOX	P-7		
42" & 34" ORIFICE HTS WITH BOTTLE FILL	1-1/2"	1-1/2"	1/2"		BILEVEL ELECTRIC WATER COOLER - H.C.	EWC-3		

DOMESTIC WATER HEATER SCHEDULE										
ITEM	CAPACITY	RECOVERY RATE	FUEL	ELECTRICAL CHARACTERISTICS	LOCATION	REMARKS				
WH-B1	NO STORAGE 20.0 KW	2.0 GPM @ 68° F RISE	ELEC.	SEE ELECTRICAL DWGS.	JANITOR 107	UNDER COUNTER				
WH-B2	NO STORAGE 3.0 KW	0.5 GPM @ 41° F RISE	ELEC.	SEE ELECTRICAL DWGS.	CONCESSIONS 100	UNDER COUNTER				

HAMMER ARRESTOR SCHEDULE										
ITEM	PDI UNIT	FIXTURE UNIT								
HA	А	1-11								
HA	E	114-154								

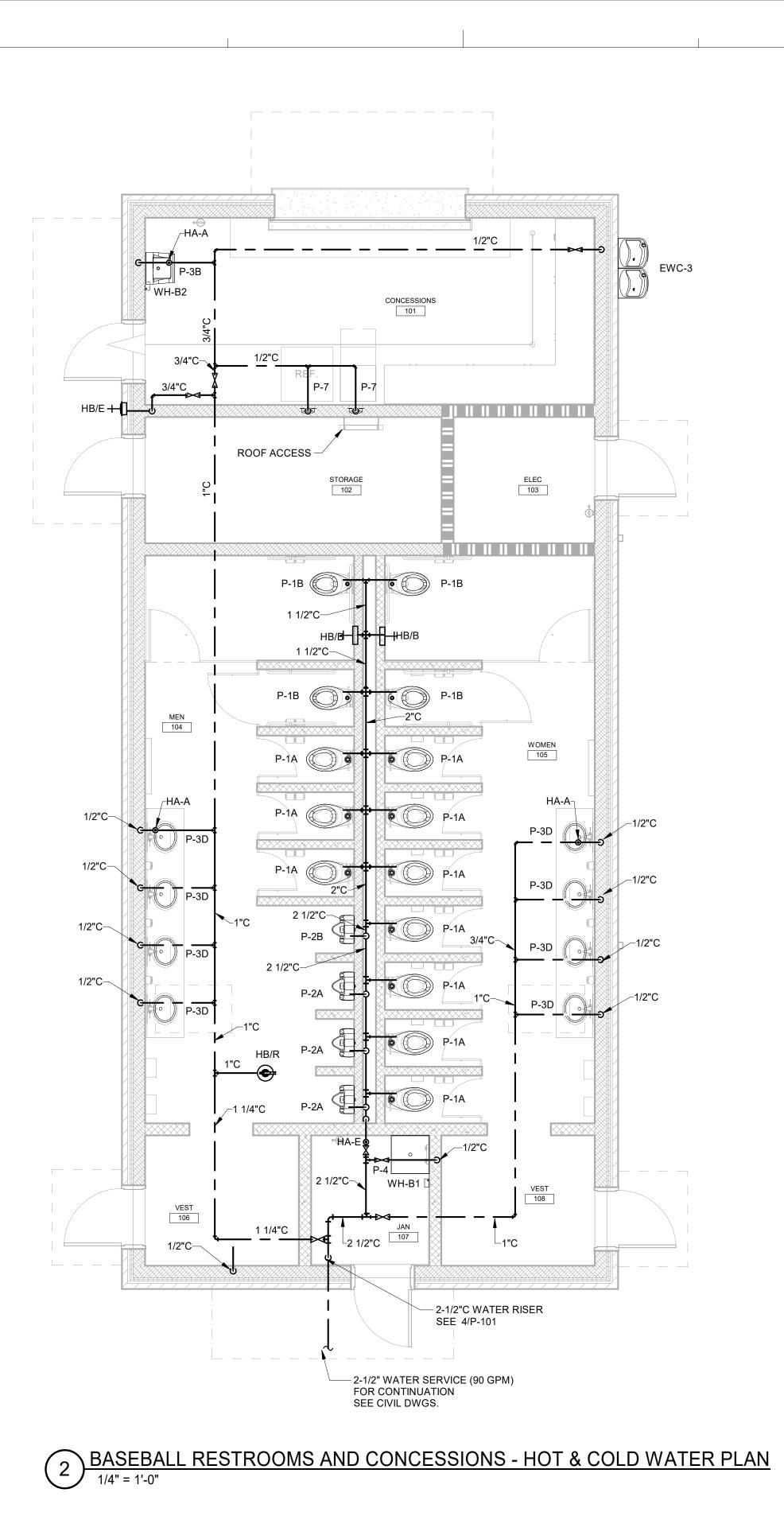


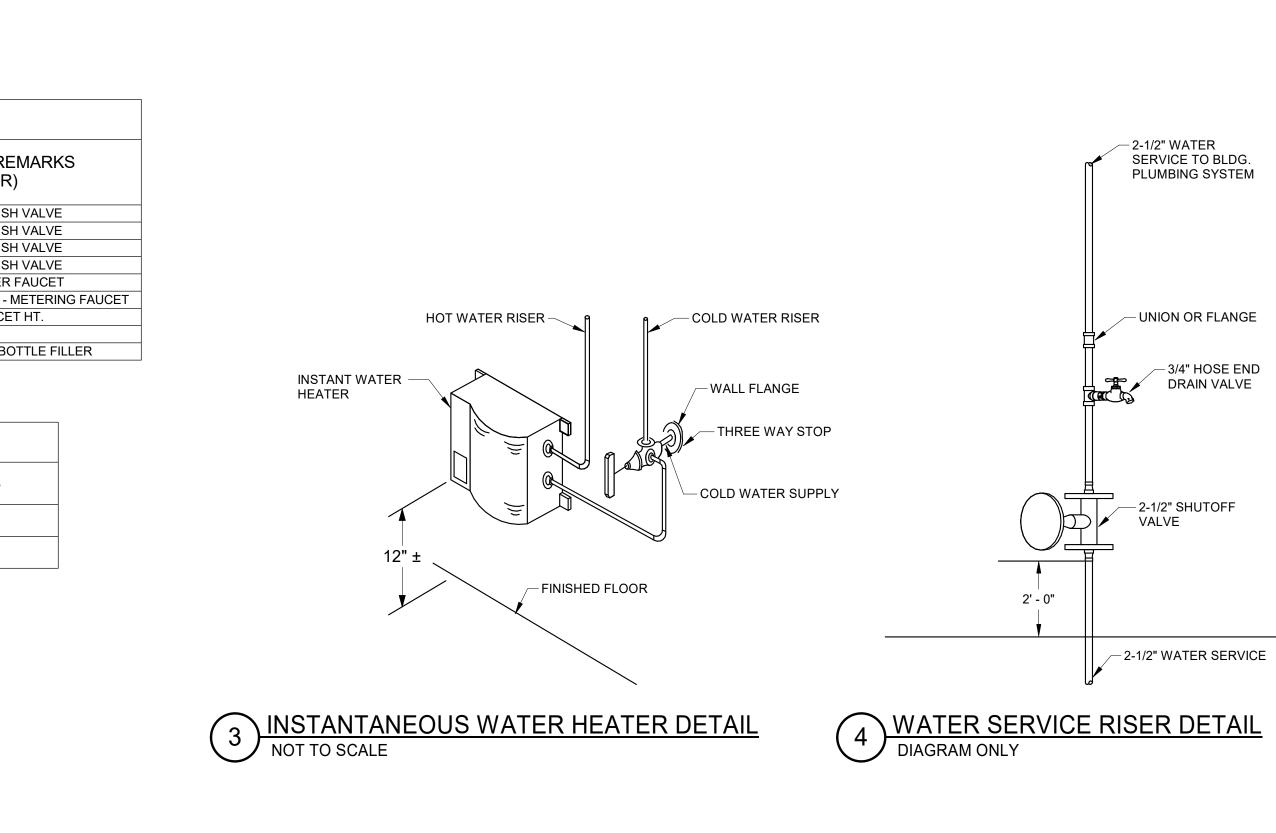
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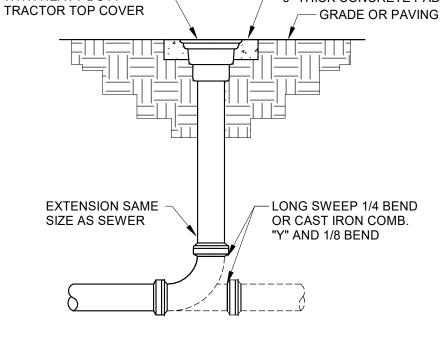








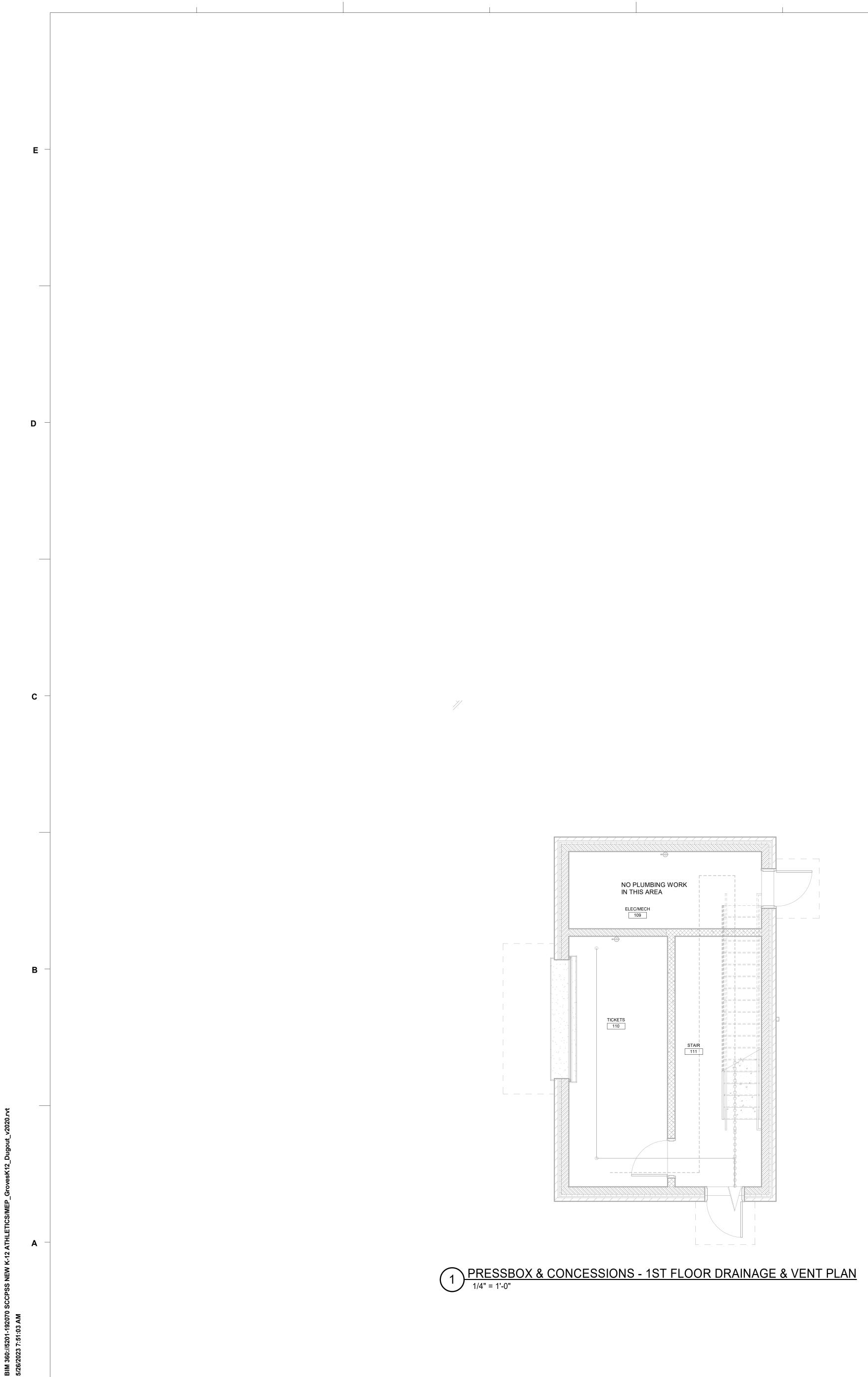


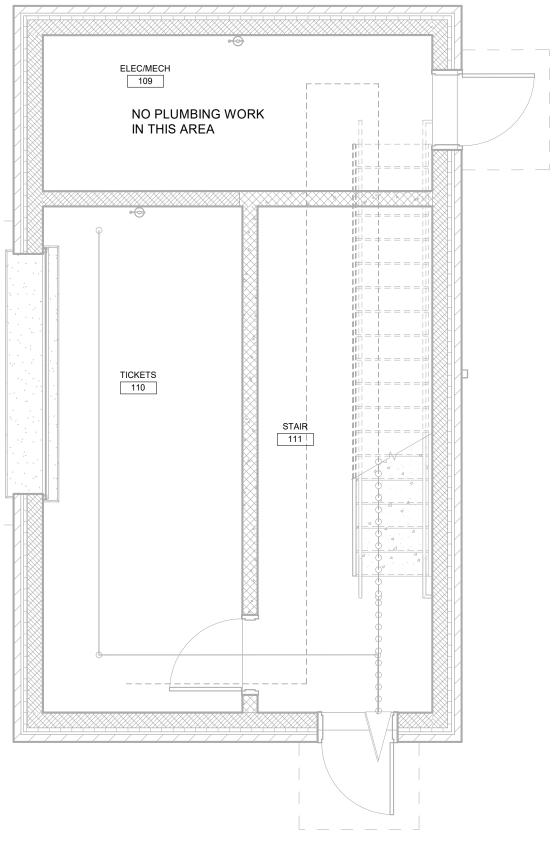


6" THICK CONCRETE PAD

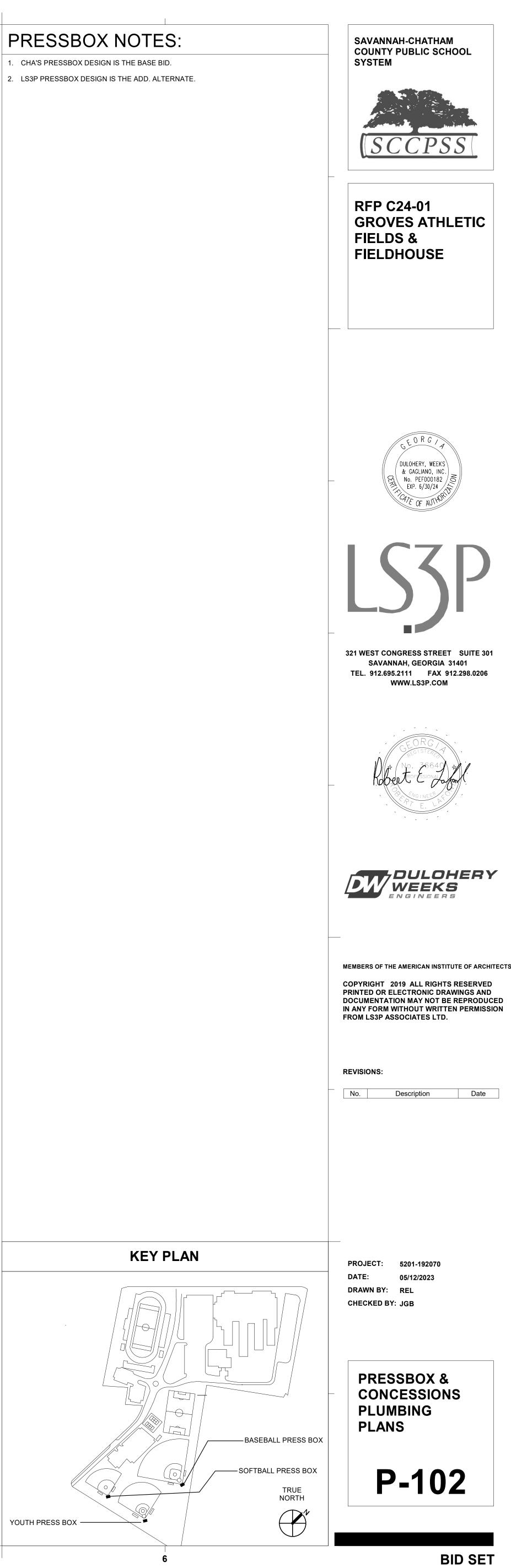
CAST IRON CLEANOUT -WITH HEAVY DUTY







2 PRESSBOX & CONCESSIONS - 1ST FLOOR HOT & COLD WATER PLAN 1/4" = 1'-0"



_v2020.1	
Dugout	
GrovesK12	
01-192070 SCCPSS NEW K-12 ATHLETICS/MEP_(
SCCPSS NEW	
0://5201-192070	

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Ε	

EXT. STATIC AIRFLOW CFM IN. WG COOLING MODE DESIGN CONDITIONS ITEM ENTERING AIR LEAVING AIR TOTAL SUPPLY EXHAUST SUPPLY EXHAUST MBH DB °F | WB °F | DB °F | WB °F ERV-B1 900 900 1.06 1.11 --------------

REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 237210 FOR FURTHER INFORMATION.
 INSTALL AIR TREATMENT DEVICE(S) IN ALL ERV UNITS.

ROOF AIR CONDITIONER SCHEDULE												
	AIRF	AIRFLOW EXT. COOLING CAPACITY @ 95°F O.A.				ö°F O.A.	ELEC.					
ITEM	CF	CFM STATIC		TOTAL SENS.		TOTAL	TOTAL	TOTAL SENS.		ING AIR	HEATER	REMARKS
	TOTAL	O.A.	IN. WG	MBH	MBH	DB °F	WB °F	KW				
RAC-B1	1,200		0.50	48	31	80	70	12.9 460/3	CARRIER 50GC			

3. INSTALL RAC-B1 ON COMBO CURB WITH ERV-B1.

			E	NERG	Y REC	OVER	(VEN	ΓILATO	R SCH	IEDULI	Ξ										
COIL	CONDITI	ONS										ENTHALP	Y WHEEL								
DITIONS	ONS HEATING MODE DESIGN CONDITIONS				IONS		SUMMER CONDITIONS			S		WINTER CONDITIONS					SUPPLY	EXHAUST			
TOTAL MBH	SENS. MBH	ENTERI	NG AIR	LEAVIN	NG AIR	ELEC. HEATER	OUTE ENTERI	DOOR NG AIR	LEAVI	NG AIR	EXHA ENTERI		OUTE ENTERI		LEAVING AIR		EXH/ ENTERI	AUST ING AIR	FAN MAX HP.	FAN MAX HP.	REMARKS
		DB °F	WB °F	DB °F	WB °F	KW	DB °F	WB °F	DB °F	WB °F	DB °F	WB °F	DB °F	WB °F	DB °F	WB °F	DB °F	WB °F			
							95	77	81	71	74	65	26	22	58	51	72	63	1.0	1.0	RENEWAIRE HE COMBO CURB W/ RAC-B1

2. INSTALL AN AIR TREATMENT DEVICE(S) IN ALL RAC UNITS.

	FAN SCHEDULE											
ITEM	AIRFLOW CFM	EXT. STATIC IN.WG	TYPE	MAX. SONE RATING	MAX. FAN RPM	MAX. MOTOR HP	REMARKS					
EF-B1	115	0.25	ROOF CENTRIFUGAL DIRECT DRIVE	4.5	1725	1/15	GREENHECK G THERMOSTAT CONTROL					
EF-B2	1000	0.25	ROOF CENTRIFUGAL DIRECT DRIVE	7.7	1200	1/4	GREENHECK G THERMOSTAT CONTROL					
EF-B3	55	0.25	ROOF CENTRIFUGAL DIRECT DRIVE	2.8	1725	1/15	GREENHECK G INTERLOCK W/ LIGHT SWITCH					
EF-B4	1000	0.50	INLINE CENTRIFUGAL DIRECT DRIVE	9.1	1725	1/4	GREENHECK SQ THERMOSTAT CONTROL					
EF-B5	1000	0.50	INLINE CENTRIFUGAL DIRECT DRIVE	9.1	1725	1/4	GREENHECK SQ THERMOSTAT CONTROL					

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 232310 FOR FURTHER INFORMATION.

		D	UCTLE	SS HE	AT PUI	MP SC	HEDUL	E
	AIRF	LOW	EXT.	COOLI	NG CAPA	CITY @ 95	°F O.A.	
ITEM	CF	M	STATIC	STATIC TOTAL IN. WG MBH	SENS. MBH	ENTERING AIR		REMARKS
	TOTAL	O.A.	IN. WG			DB °F	WB °F	
DHP-B1 DAH-B1	650			18	12	80	67	CARRIER 38MAQ / 40MAQB 20.0 SEER
DHP-B2 DAH-B2	650			18	12	80	67	CARRIER 38MAQ / 40MAQB 20.0 SEER
DHP-B3 DAH-B3	1,095			36	26	80	67	CARRIER 38MBR / 40MBCQ 17.5 SEER
DHP-B4 DAH-B4	650			18	12	80	67	CARRIER 38MAQ / 40MAQB 20.0 SEER
DHP-B5 DAH-B5	1,095			36	26	80	67	CARRIER 38MBR / 40MBCQ 17.5 SEER

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 236110 FOR FURTHER INFORMATION. 2. INSTALL AN AIR TREATMENT DEVICE(S) IN ALL DAH UNITS.

	E	ECTRIC	HEATEF	R SCHEDULE	
ITEM	TYPE	CAPACITY KW	AIRFLOW CFM	CONTROL	REMARKS
EH-B2	HEAVY DUTY WALL HEATER	3.6 240/1	100	INTEGRAL TSTAT	QMARK AWH SURFACE MOUNT
EH-B3	HEAVY DUTY WALL HEATER	3.6 240/1	100	INTEGRAL TSTAT	QMARK AWH SURFACE MOUNT
EH-B4	HEAVY DUTY WALL HEATER	3.6 240/1	100	INTEGRAL TSTAT	QMARK AWH SURFACE MOUNT
EH-B6	HEAVY DUTY WALL HEATER	3.6 240/1	100	INTEGRAL TSTAT	QMARK AWH SURFACE MOUNT

	LOUVER SCHEDULE							
ITEM	TYPE	USE	SIZE	AIRFLOW CFM	PD. IN. WG	FREE AREA FPM	BPW FPP	REMARKS
L-B1	HURRICANE HORIZONTAL	INTAKE	36"x16"	1000	0.21	743	1083	GREENHECK EHV-550 INSECT SCREEN
L-B2	HURRICANE HORIZONTAL	INTAKE	14"x14"	115	0.04	307	1083	GREENHECK EHV-550 INSECT SCREEN

DESIGNATION

Α

В

1. REFER TO SECTION 232210 FOR FURTHER INFORMATION.

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 233110 FOR FURTHER INFORMATION.

AIR DISTRIBUTION SCHEDULE

DESCRIPTION

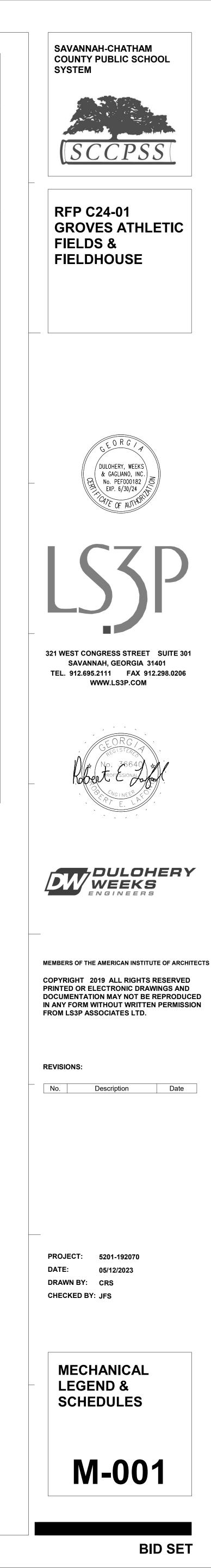
10" NECK SQUARE PLAQUE FACE CEILING DIFFUSER, LAY-IN 2'x2' EGGCRATE CEILING RETURN / EXHAUST GRILLE, LAY-IN

1. REFER TO SPEC SECTION 232210 FOR FURTHER INFORMATION.

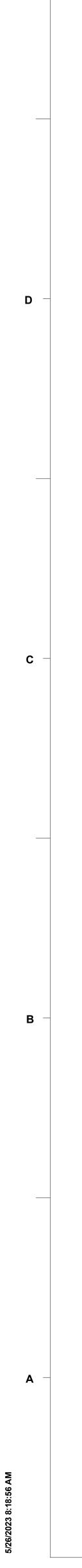
	MECH	ANICAL LEGEND
⊠ —		SUPPLY AIR DUCT
2		RETURN AIR DUCT OR EXHAUST DUCT
	▶	DUCT TRANSITION
XY —		— X=DIFFUSER TYPE / Y=THROW
		— Z=AIRFLOW, CFM
	MD	MANUAL DAMPER
		MOTORIZED DAMPER
	VAVD	VARIABLE AIR VOLUME DAMPER
	FD	FIRE DAMPER
	SD	SMOKE DAMPER
Kr.		TURNING VANES
		FLEXIBLE DUCT CONNECTION
T		THERMOSTAT/TEMPERATURE SENSOR
Θ		HUMIDISTAT/HUMIDITY SENSOR
TH		COMBO TEMP./HUMIDITY SENSOR
S		DUCT SMOKE DETECTOR
	DHP	DUCTLESS HEAT PUMP
	DAH	DUCTLESS AIR HANDLER
	EH	ELECTRIC HEATER
	EF	EXHAUST FAN
	AD	ACCESS DOOR
	TD	TRANSFER DUCT
Ø	DIA	DIAMETER
	OA	OUTSIDE AIR
	UG	UNDERGROUND
	W/	WITH
	AFF	ABOVE FINISH FLOOR
		EXTERIOR DUCTWORK
		SPIRAL DUCTWORK
		DOUBLE-WALL DUCTWORK
		LINED DUCTWORK
	·	FABRIC DUCT
) ——	HVAC DRAIN PIPING
F	R ——	REFRIGERANT PIPING

GENERAL MECHANICAL NOTES

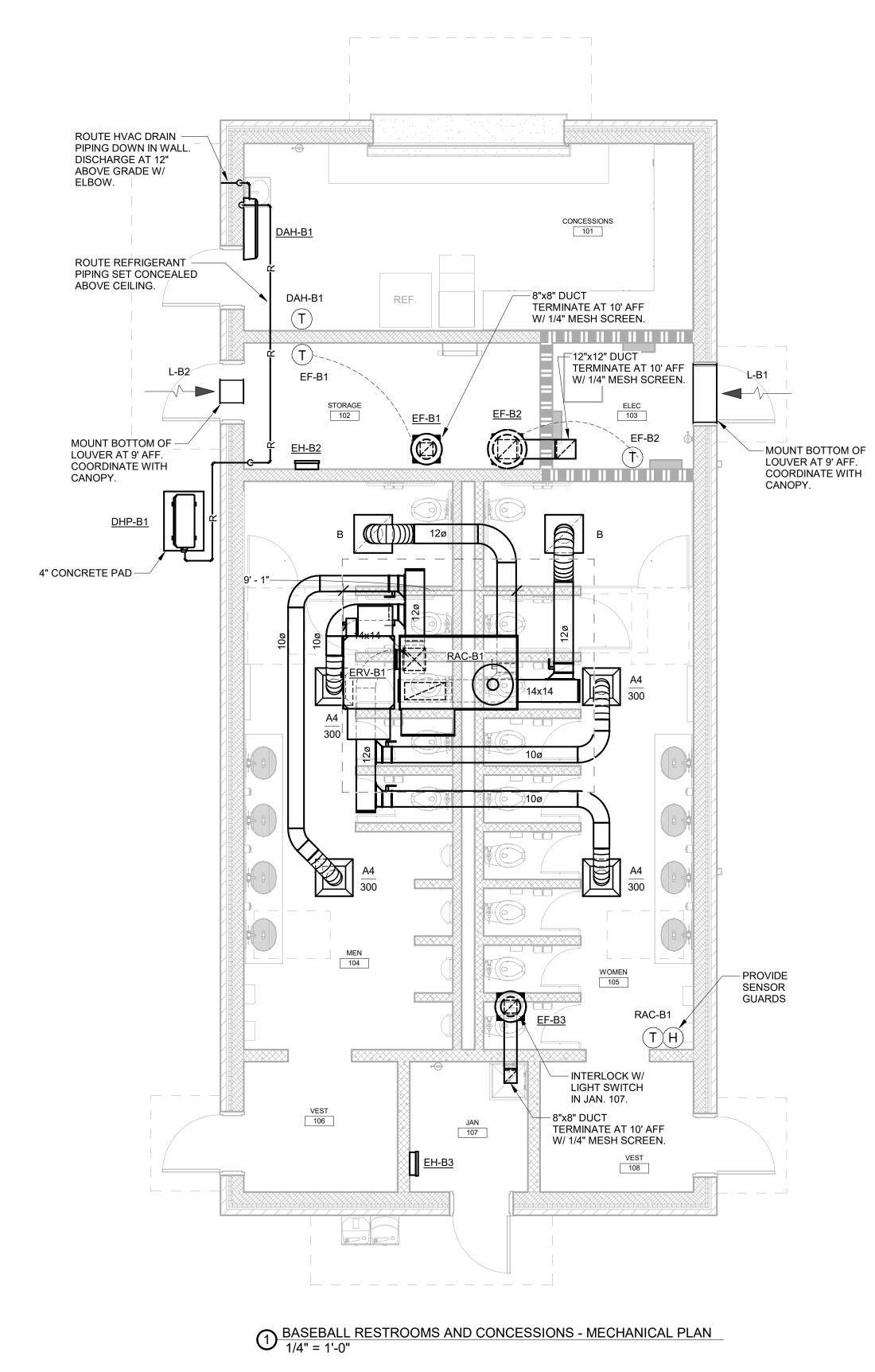
- 1. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT AND LOCATIONS OF THE MECHANICAL WORK. THE CONTRACTOR SHALL COORDINATE THE MECHANICAL INSTALLATION WITH THE STRUCTURE AND ALL OTHER TRADES. PERFORM ALL WORK IN ACCORDANCE WITH 2018 INTERNATIONAL MECHANICAL CODE (IMC) AND GEORGIA AMENDMENTS.
- 2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF THE CEILING MOUNTED DEVICES.
- 3. DUCTWORK SHOWN ON THE PLANS IS SIZED AND ROUTED BASED ON INFORMATION AVAILABLE DURING DESIGN PHASE FOR CEILING HEIGHTS, STRUCTURAL MEMBERS, ETC. ALL DUCT SIZES AND ROUTINGS MUST BE CONFIRMED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION AND INSTALLATION. WHERE CONFLICTS ARISE, REFER TO THE ENGINEER.
- 4. REFER TO DETAIL 1/M-201 FOR SENSOR MOUNTING.
- 5. ALL CONCEALED SUPPLY AIR AND RETURN AIR DUCTWORK SHALL HAVE ONE LAYER OF TYPE 'A' DUCT WRAP. ALL LINED DUCTWORK CALLED OUT ON PLANS SHALL HAVE ONE LAYER OF TYPE 'A' DUCT LINER. ALL EXPOSED RECTANGULAR DUCTWORK SHALL HAVE ONE LAYER OF TYPE 'A' DUCT LINER AND SHALL HAVE PAINT GRIP FINISH WITH COLOR SELECTED BY ARCHITECT. GENERAL EXHAUST AIR DUCTWORK SHALL NOT BE INSULATED.
- INCLUDE ALL REQUIRED REFRIGERANT PIPING ACCESSORIES AND INCREASE PIPE SIZES AS NEEDED FOR LONG LINE LENGTH APPLICATIONS.
- 7. ROOF MOUNTED EQUIPMENT SHALL BE LOCATED 10 FEET MINIMUM FROM ROOF EDGE.
- 8. DEVICES REQUIRED TO BE ACCESSIBLE SHALL NOT BE INSTALLED ABOVE DRYWALL CEILINGS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF HARD CEILINGS.
- 9. SMOKE DAMPERS SHALL BE ACTUATED BY CEILING MOUNTED SMOKE DETECTORS FURNISHED AND INSTALLED BY DIV. 26/27.

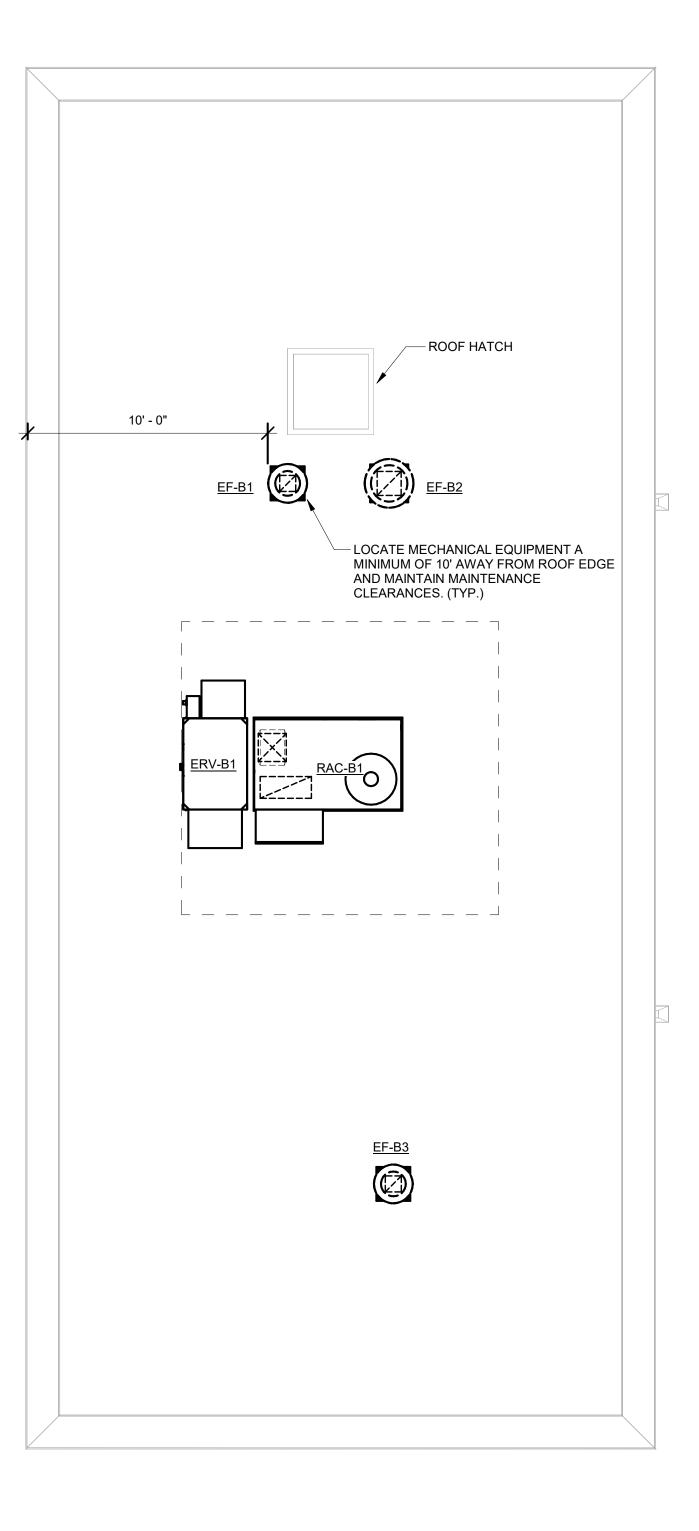






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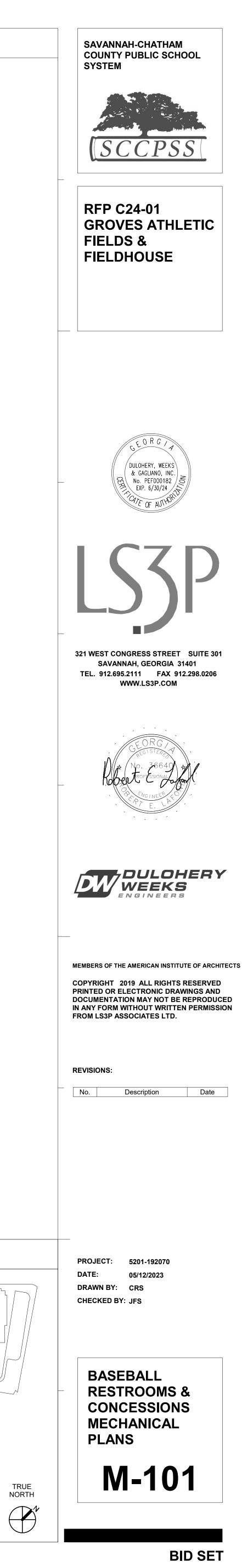




BASEBALL RESTROOMS AND CONCESSIONS - MECHANICAL ROOF PLAN 1/4" = 1'-0"

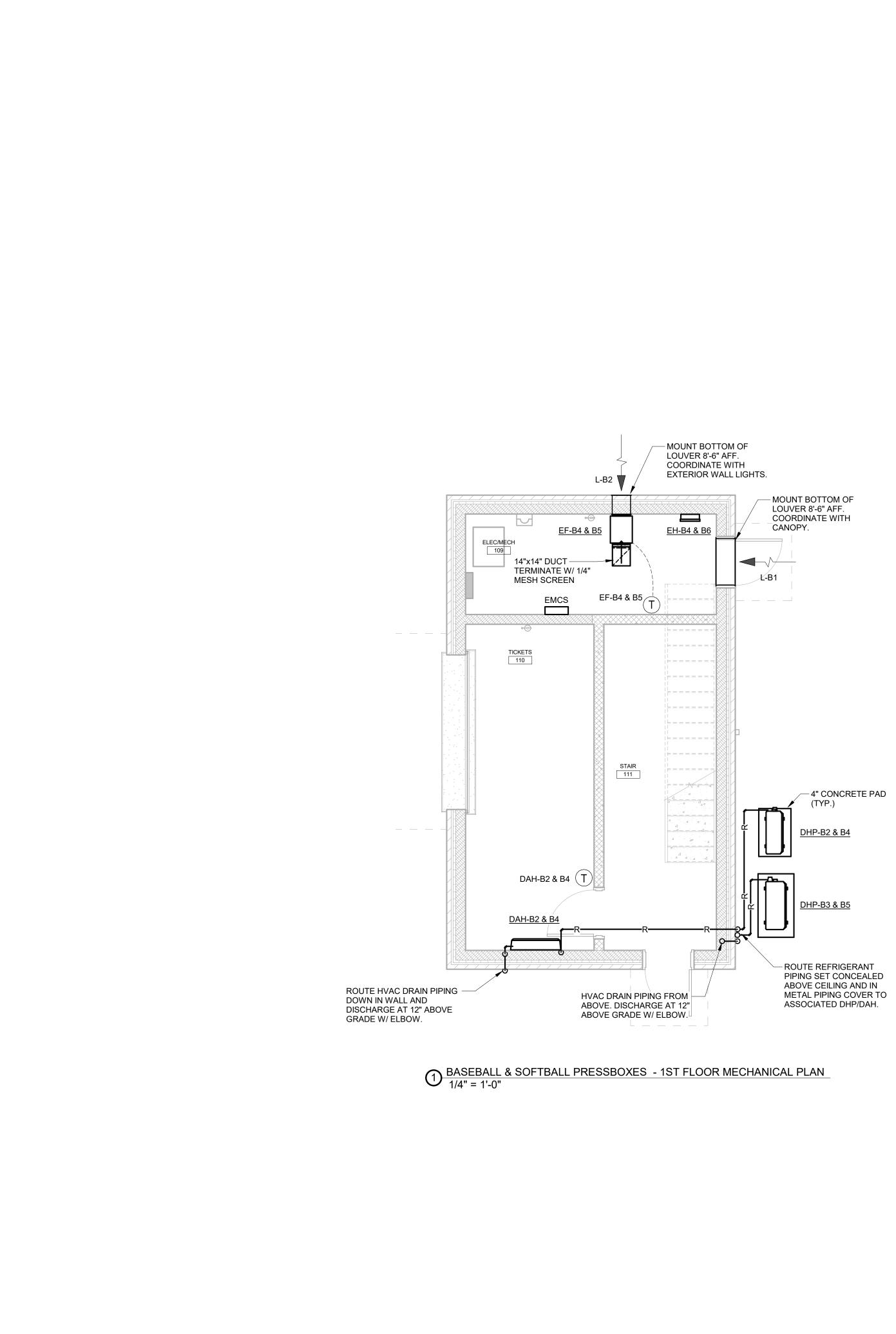
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KEY PLAN BASEBALL RESTOOOMS AND CONCESSIONS BUILDING

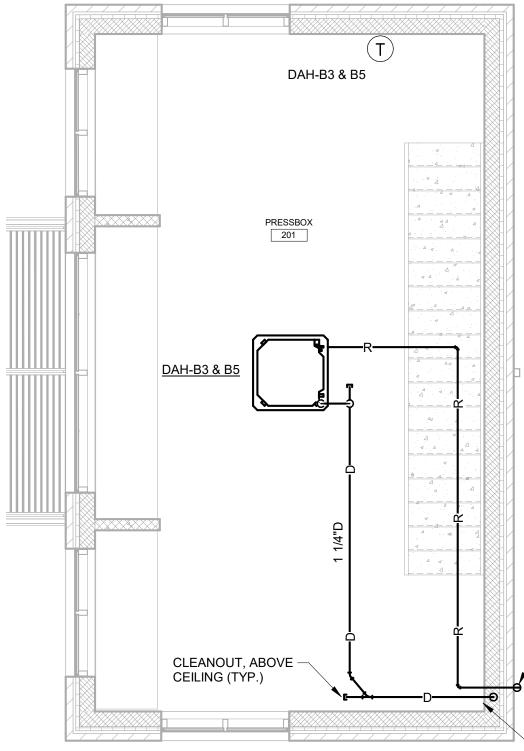








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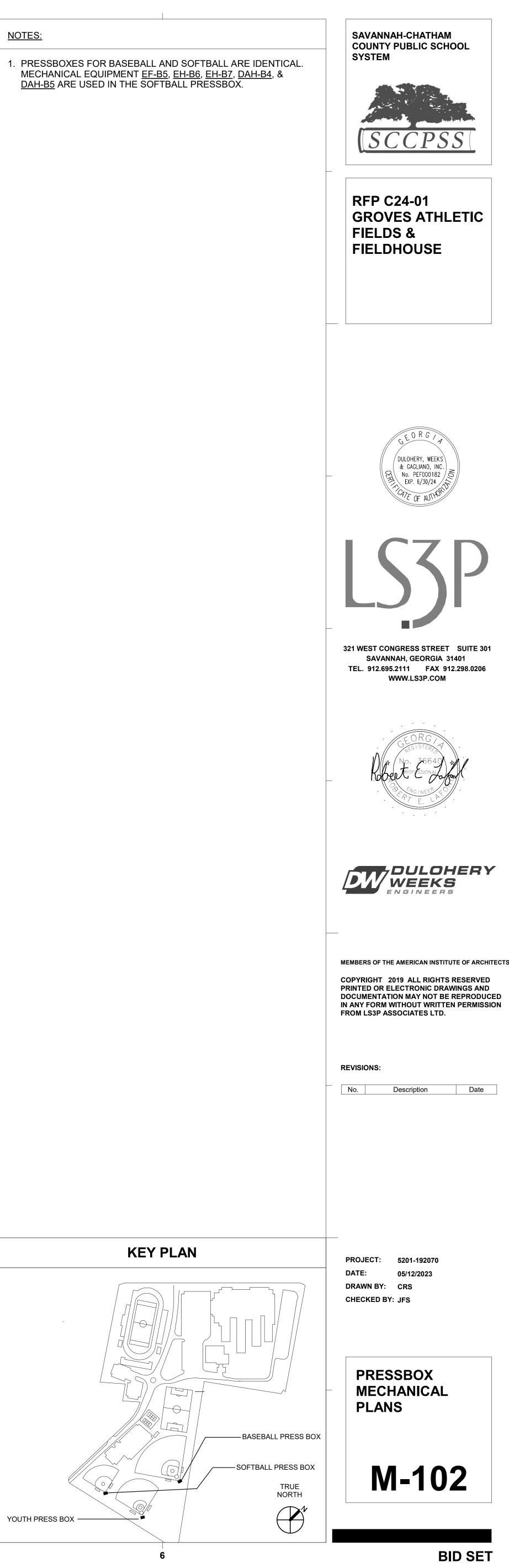
BASEBALL & SOFTBALL PRESSBOXES - 2ND FLOOR MECHANICAL PLAN 1/4" = 1'-0"

4

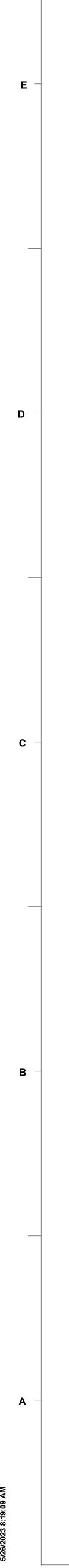
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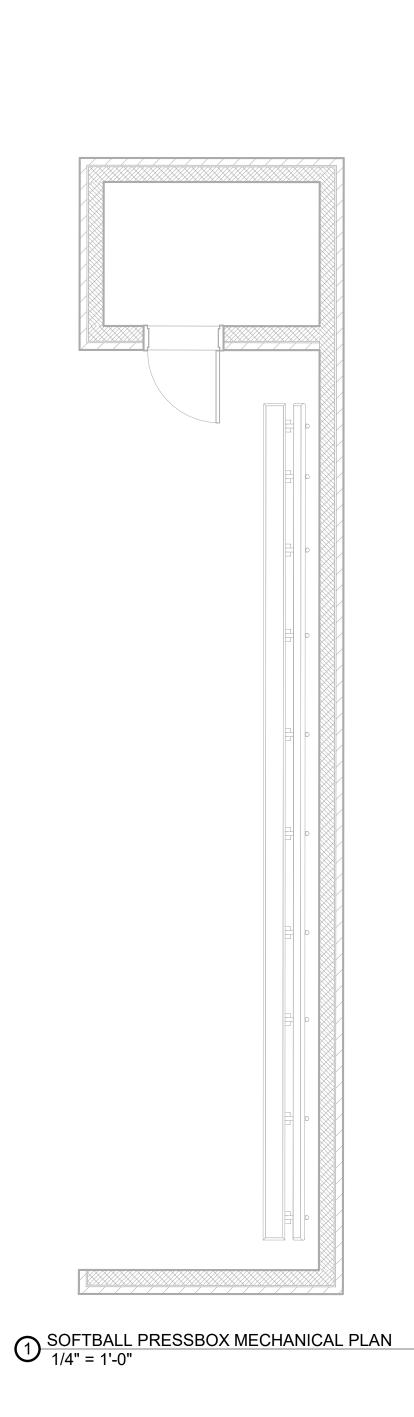
- ROUTE REFRIGERANT PIPING SET CONCEALED ABOVE CEILING AND DOWN IN METAL PIPING COVER.

— ROUTE HVAC DRAIN PIPING CONCEALED ABOVE CEILING AND DOWN IN WALL.

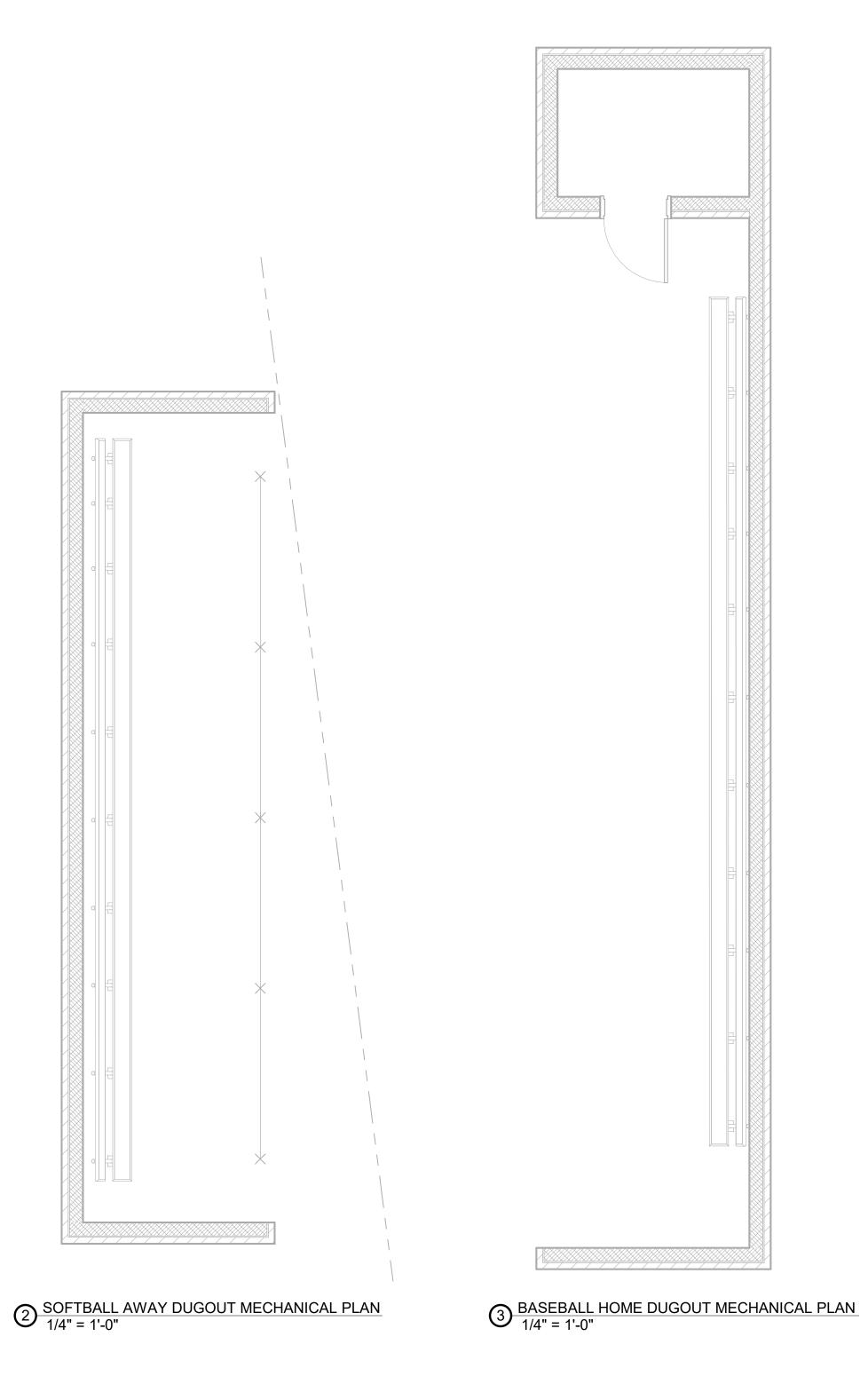


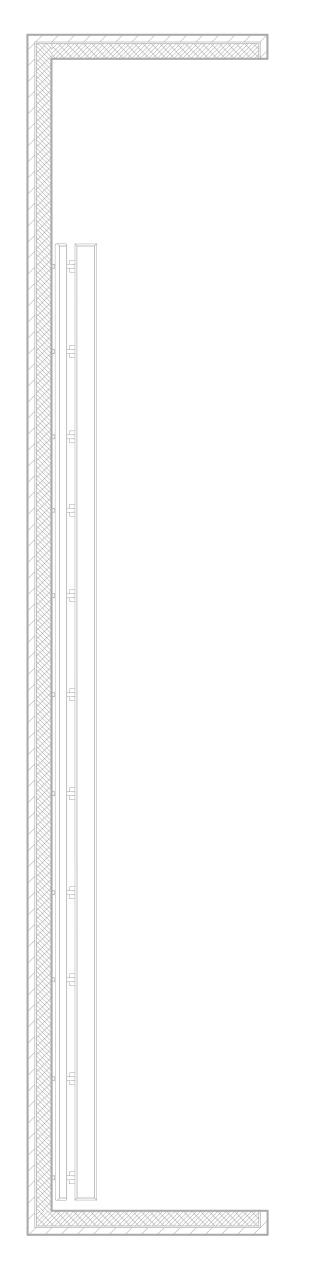






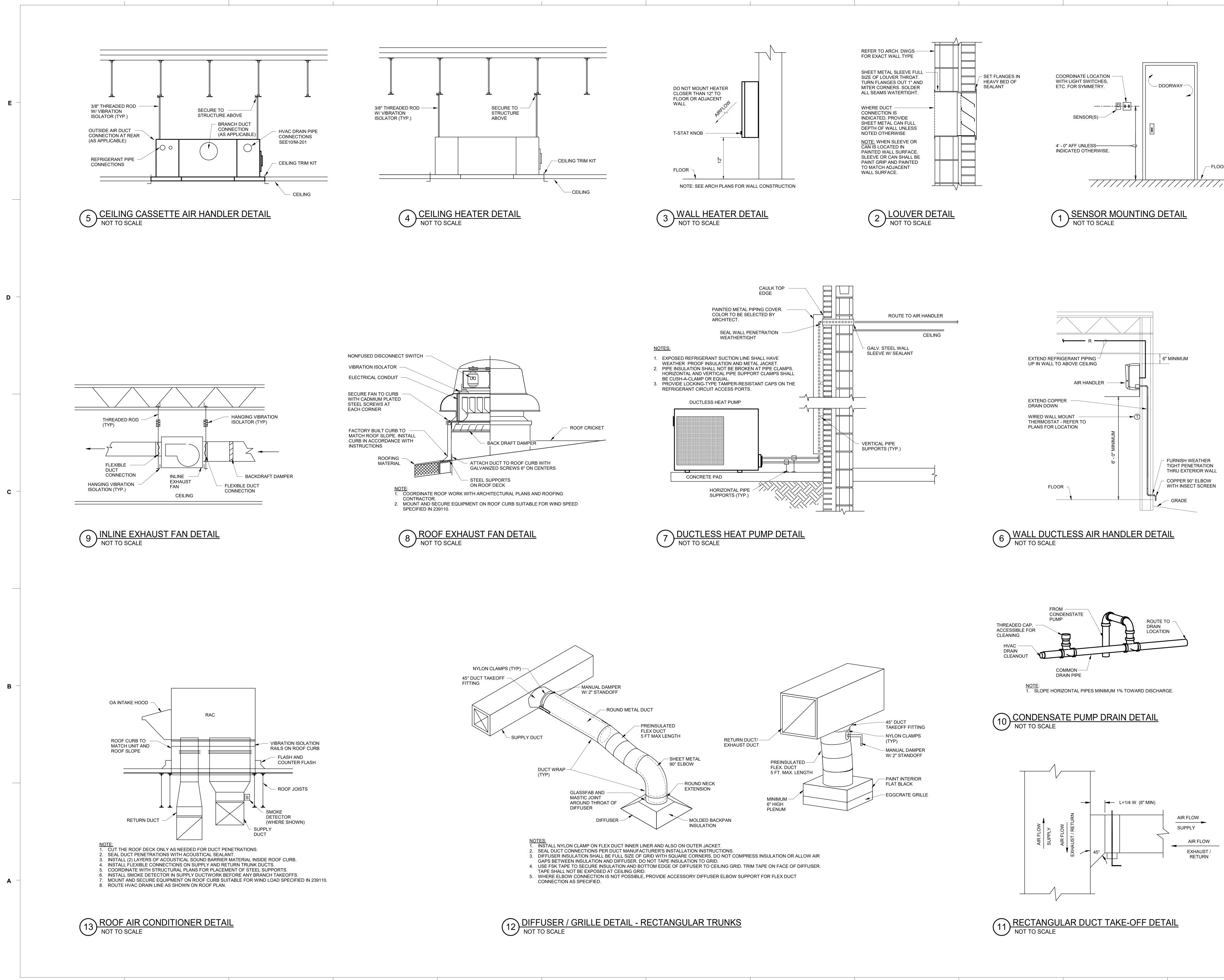


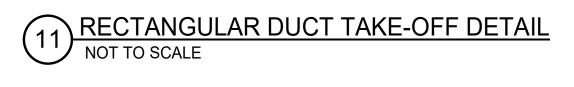


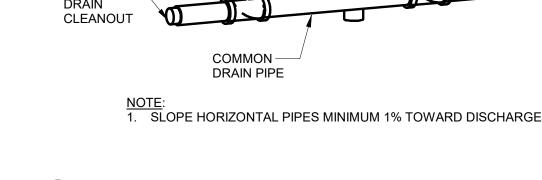


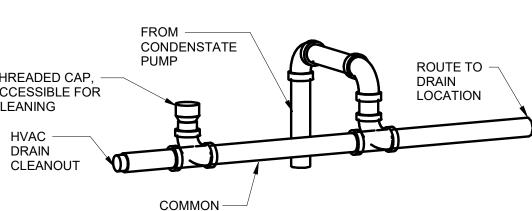
BASEBALL AWAY DUGOUT MECHANICAL PLAN 1/4" = 1'-0"

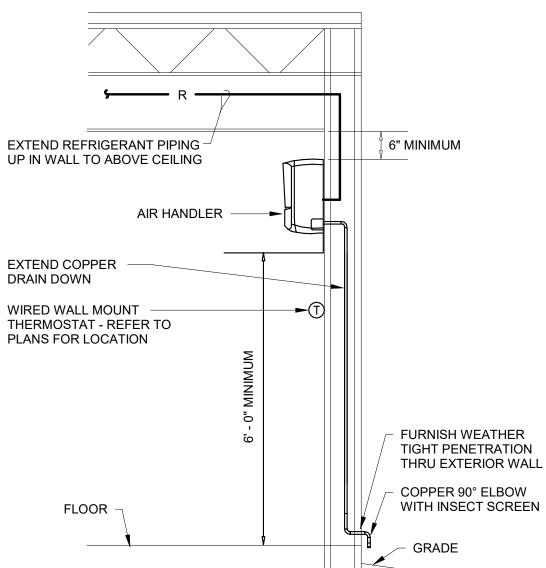






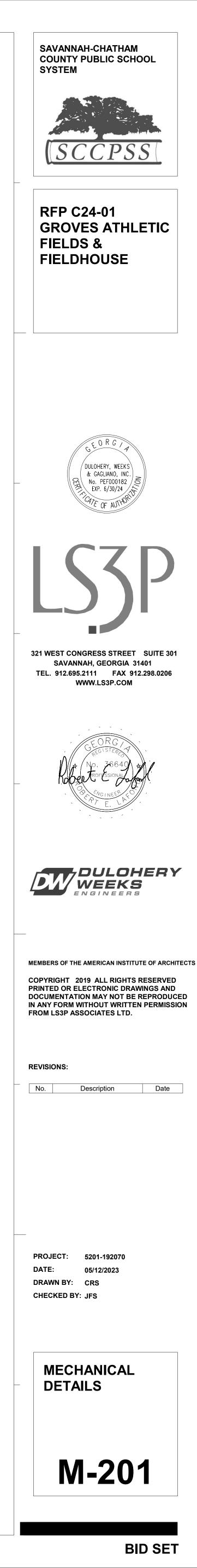






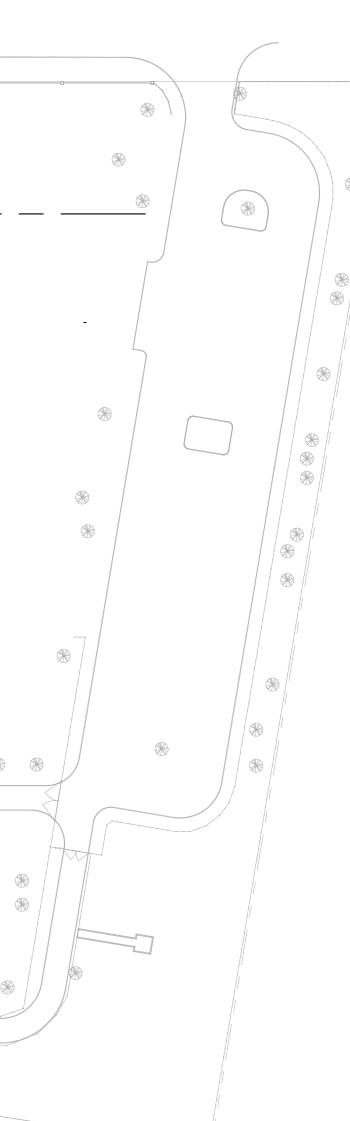


-FLOOR





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PROVIDE 4"C WITH (3) 1-1/4" INNERDUCTS FOR DATA, SECURITY CONNECTION TO FIELD HOUSE.	*				
		1 E-002			
	<u> </u> 				
A BAEELA PT 2014 AETA PT 2015 PT 201					
NOTE: ANT PLANS ("SE" ELECTRICAL					
REMENTS					
					
	TYPE	DESCRIPTION	MANUFACTURER / SERIES	IGHT FIXTURE	= S
			METALUX FP SERIES ELITE FLP1 SERIES		
	A1	2'X4' LED FLAT PANEL	DAY-BRITE 2FXP SERIES CREE C-TR-B-FP24 SERIES LITHONIA EPANL SERIES	FROSTED ACRYLIC LENS	
	D8	8" ROUND DOWNLIGHT	LITHONIA EVO SERIES HALO COMMERCIAL PD8 SERIES PRESCOLITE LF8 SERIES	OPEN SEMI-SPECULAR CLEAR ALZAK CONE.	TR
			ACUITY "LDN" SERIES INTENSE IML8 SERIES	MEDIUM BEAM SPREAD	
	OA	WALL MOUNTED, WEDGE SHAPE EXTERIOR GRADE FIXTURE.	MCGRAW/EDISON IST SERIES HUBBELL TRP SERIES GARDCO 101 SERIES	TYPE 4 DISTRIBUTION	В
		1'X4' FIXTURE.	METALUX 4VT2 SERIES		
	V	SURFACE MOUNT, LOW PROFILE, VANDLE RESISTANT.	LITHONIA FEM SERIES COLUMBIA LXEM SERIES	FROSTED ACRYLIC LENS	
	L				



ELECTRICAL LEGEND:

LIGHTING FIXTURES:

UPPERCASE LETTER ADJACENT TO FIXTURE DENOTES DESIGNATION PER TH LIGHTING FIXTURE SCHEDULE. LOWERCASE LETTER DENOTES SWITCHLEG. THE RESPECTIVE SWITCH WILL HAVE THE SAME DESTINATIONS. NUMERAL DENOTES BRANCH CIRCUIT CONNECTION.	IE
REFER TO THE FIXTURE SCHEDULE FOR THE SPECIFIC FIXTURE INFORMATIO	N.

EMERGENCY FIXTURES SHALL HAVE FACTORY INSTALLED INTERNAL BATTERIES, PER SPECIFICATIONS.

NL SUFFIX ADJACENT TO FIXTURE TYPE DENOTES NIGHT LIGHT. DO NOT SWITCH THESE FIXTURES.

NON-EMERGENCY/ EMERGENCY BATTERY BACKUP

		LIGHTING FIXTURE: LINEAR LED
⊢∞⊣	⊢ •–∣	LIGHTING FIXTURE: LED STRIP
\square \bigcirc		DOWNLIGHT/SCONCE FIXTURE
	⊗	EXIT LIGHT: UNIVERSAL MTD.

DEVICE IDENTIFIER TAGS:

	INT TO DEVICE DENOTES BRANCH CIRCUIT CONNECTION. ADJACENT TO DEVICES INDICATE:
С	MOUNT ABOVE COUNTERTOP OR BACKSPLASH, 9" ABOVE WORK SURFACE TO CENTER
XX"	MOUNT DEVICE AT HEIGHT INDICATED
WP	PROVIDE WEATHER-PROOF COVER

RECEPTACLES:

NOMINAL MOUNTING HEIGHT OF RECEPTACLES SHALL BE 18" TO CENTER, UNO. IF APPLICABLE, ADJUST SO DEVICE COVER IS IN THE CENTER OF MASONRY COURSE NEAREST THAT HEIGHT. THE HEIGHT ESTABLISHED SHALL GOVERN FOR ALL BOX INSTALLATIONS, WHERE INSTALLED IN MASONRY OR FRAMED WALLS.

۲	RECEPTACLE: NEMA TYPE TO SUIT EQUIPMENT FURNISHED.
÷	RECEPTACLE: DUPLEX
-	RECEPTACLE: GROUND-FAULT-INTERRUPTING TYPE
\	RECEPTACLE: QUADRUPLEX
Ħ	GROUND MOUNTED BOX WITH POWER OUTLET ONLY: SEE DETAIL 3/E1002.
Ħ	GROUND MOUNTED BOX WITH POWER AND LOW VOLTAGE DATA OUTLET ROUGH IN ONLY: SEE DETAIL 3/E1002.
	GROUND MOUNTED BOX WITH POWER, LOW VOLTAGE SCOREBOARD CONTROL OUTLET AND LOW VOLTAGE DATA OUTLET ROUGH IN: SEE DETAIL 3/E1002.
SWITCHES:	

S	SWITCH: SINGLE-POLE
S ₃	SWITCH: THREE-WAY

OS LV	OCCUPANCY SENSOR, CORNER MOUNTED SUBSCRIPT 'LV' INDICATES LINE VOLTAGE SENSOR
-------	--

ELECTRICAL EQUIPMENT:

REFER TO ONE-LINE DIAGRAM AND EQUIPMENT CONNECTION SCHEDULE FOR
LOAD DATA USED AS THE BASIS OF DESIGN AND REQUIRED CONNECTIONS.
VERIFY LOAD AND LOCATION WITH EQUIPMENT CUT-SHEETS AND INSTALLER.

PANELBOARD: SURFACE OR FLUSH MOUNTED, SEE
SCHEDULE.

BRANCH CIRCUITS:

CONDUCTOR COUNTS ARE SHOWN ON THE HOMERUNS ONLY. CONTRACTOR SHALL DETERMINE COUNTS FOR INTERMEDIATE RUNS BASED ON THE MANNER IN WHICH THE CIRCUIT ELEMENTS ARE CONNECTED. REFER TO THE SPECIFICATION SECTIONS 16120, 16127, & 16128 FOR SPECIAL REQUIREMENTS.

	BRANCH CIRCUIT: CONCEALED
LA-1,3,5	'HOMERUN' TO PANEL: NUMBER OF HASH MARKS INDICATES QUANTITY OF No. 12 AWG UNGROUNDED CONDUCTORS IN 3/4" RACEWAY. GROUNDED CONDUCTORS (NEUTRALS) ARE NOT SHOWN - ONE DEDICATED NEUTRAL IS REQUIRED FOR EACH UNGROUNDED CONDUCTOR INSTALLED, SEE SPECIFICATIONS. EACH CONDUCTOR SHALL BE MIN. No. 12 AWG UNLESS NOTED OTHERWISE.
LA-1,3,5	'HOMERUN' TO PANEL FOR EQUIPMENT: SEE EQUIPMENT CONNECTION SCHEDULES FOR SIZE OF FEEDER AND NUMBER OF CONDUCTORS.

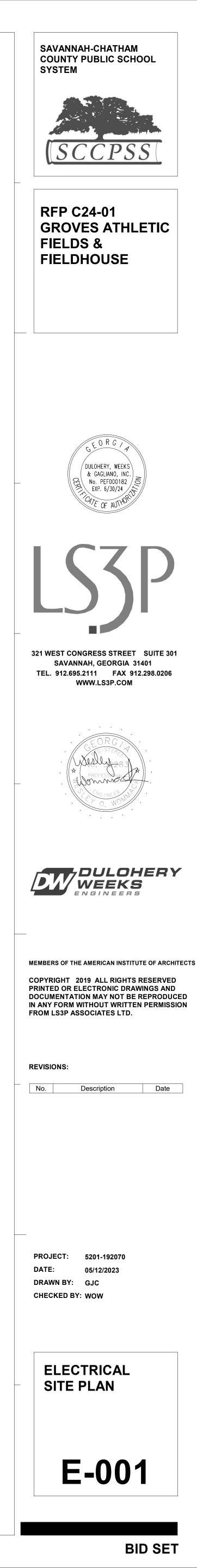
MISCELLANEOUS COMPONENTS:

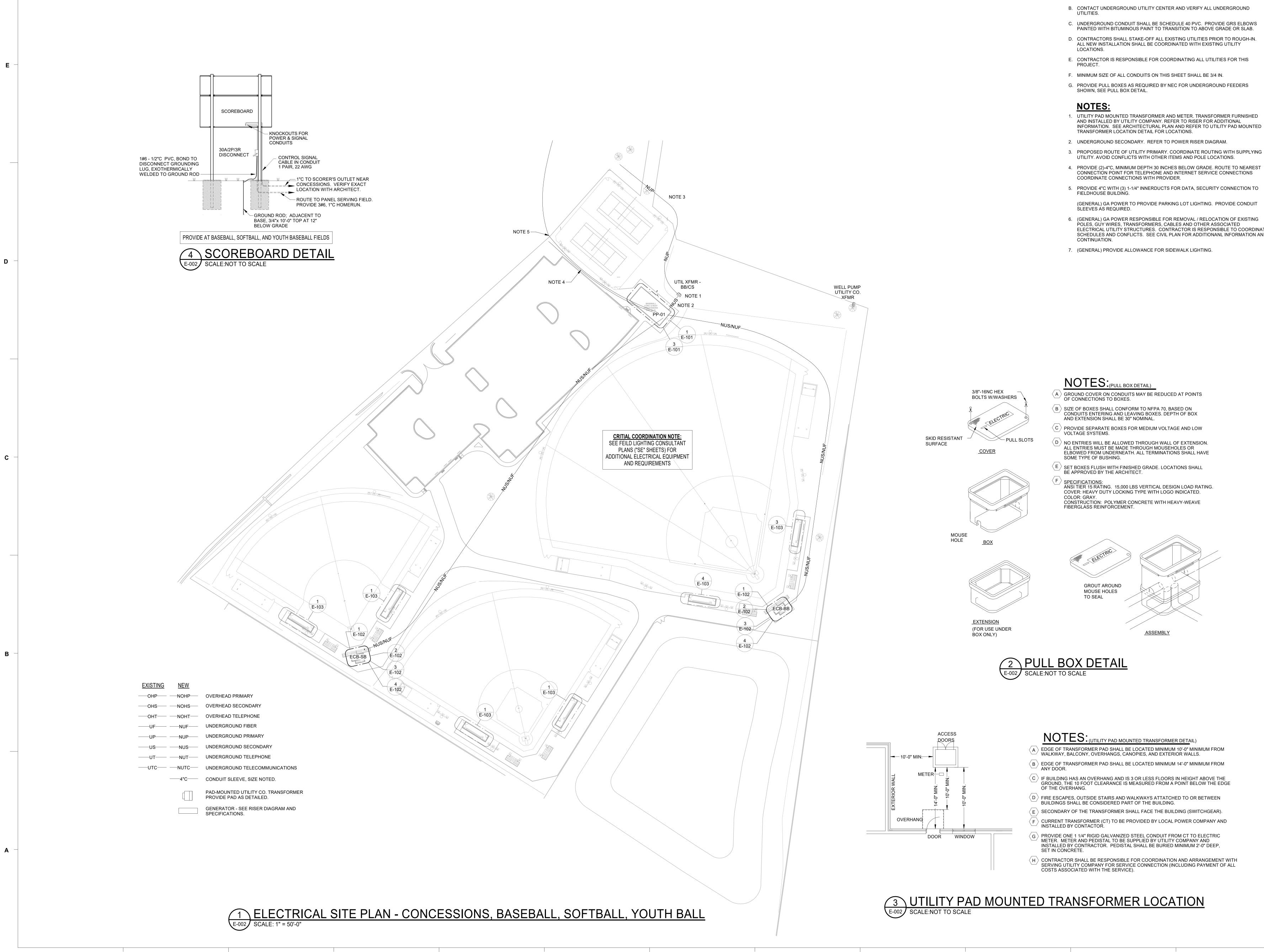
U	JUNCTION BOX: MTD. ABOVE CEILING
J	JUNCTION BOX: WALL MTD.

GENERAL NOTES:

- THE ELECTRICAL DRAWINGS ARE ONLY PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.
- ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED WITH THE WORD "ALUMINUM" IN THE DESCRIPTION.
- WHERE COMPLETE BRANCH CIRCUIT WIRING IS NOT SHOWN, PROVIDE 3. ACCORDING TO HOMERUNS SHOWN AND CORRESPONDING CIRCUIT NUMBERS ADJACENT TO THE DEVICE OR FIXTURE. REFER TO THE SPECIFICATIONS FOR THE WIRING METHODS. BRANCH CIRCUIT RATINGS SHALL BE BASED ON OVERCURRENT DEVICE RATINGS SHOWN IN THE PANEL SCHEDULES.
- REFER TO THE ELECTRICAL PANELBOARD SCHEDULES AND EQUIPMENT RATINGS & CONNECTIONS SCHEDULE FOR VOLTAGE, BRANCH CIRCUITS 4. REQUIREMENTS, BREAKERS SIZES AND OTHER RELATED ELECTRICAL EQUIPMENT TO BE PROVIDED AND/OR INSTALLED BY THE ELECTRICAL CONTRACTOR.

SCHEDULE MAX NOTES FINISH MOUNTING LAMPS WATAGE LED: PROVIDE 90 MINUTE 4000 LUMEN 34 W BATTERY FOR WHITE GRID RECESSED 3500K EMERGENCY FIXTURES LED: 1500 RECESSED LUMEN, 4000K 20 W TRIM RING -WHITE CEILING PROVIDE COLD WEATHER 90 MINUTE LED: 4000 LUMEN, 3500K BY ARCHITECT WALL - SURFACE 53 W BATTERY FOR EMERGENCY FIXTURES. INTEGRAL PHOTOCELL. PROVIDE 90 MINUTE LED: 5300 SURFACE BATTERY FOR WHITE 49 W LUMEN, 3500K EMERGENCY FIXTURES

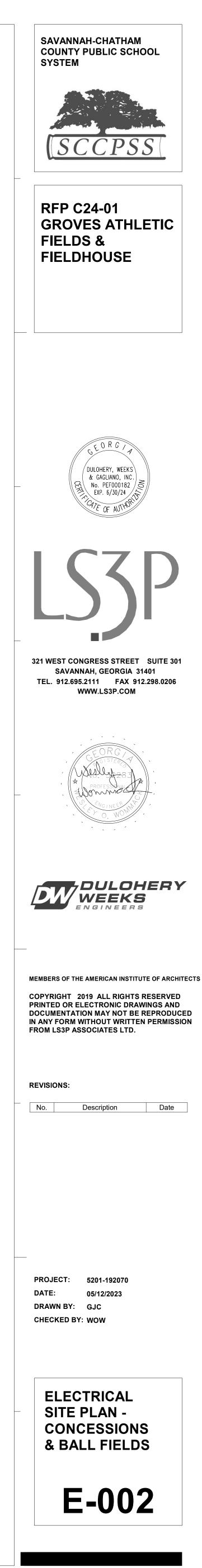




GENERAL NOTES:

- A. SURVEY AND SITE INFORMATION PROVIDED BY OTHERS. VERIFY ALL CONDITIONS ON SITE AND WITH OFFICIAL SURVEYS AND OTHER TRADES.
- B. CONTACT UNDERGROUND UTILITY CENTER AND VERIFY ALL UNDERGROUND
- C. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC. PROVIDE GRS ELBOWS PAINTED WITH BITUMINOUS PAINT TO TRANSITION TO ABOVE GRADE OR SLAB.
- E. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL UTILITIES FOR THIS
- G. PROVIDE PULL BOXES AS REQUIRED BY NEC FOR UNDERGROUND FEEDERS

- AND INSTALLED BY UTILITY COMPANY. REFER TO RISER FOR ADDITIONAL INFORMATION. SEE ARCHITECTURAL PLAN AND REFER TO UTILITY PAD MOUNTED
- 4. PROVIDE (2)-4"C, MINIMUM DEPTH 30 INCHES BELOW GRADE. ROUTE TO NEAREST
- 5. PROVIDE 4"C WITH (3) 1-1/4" INNERDUCTS FOR DATA, SECURITY CONNECTION TO
- POLES, GUY WIRES, TRANSFORMERS, CABLES AND OTHER ASSOCIATED ELECTRICAL UTILITY STRUCTURES. CONTRACTOR IS RESPONSIBLE TO COORDINATE SCHEDULES AND CONFLICTS. SEE CIVIL PLAN FOR ADDITIONANL INFORMATION AND



BID SET

	Ν	IEC	HANICAL EQ	UIPME	NT RAT	TINGS AND CO	NNECTIONS	
ITEM	VOLT	PH	PANEL CKT	MCA	MOCP	DISCONNECT	WIRE SIZE	NOTES
ERV-B1	480 V	3	PP-02-38,40,42	2.5	15	30A/3P/3R	3#12,#12G,1/2"C.	
RAC-B1	480 V	3	PP-02-44,46,48	23	25	60A/3P/3R	3#10,#10G,1/2"C.	
DUCTLESS I		IP						
DHP-B1	208 V	1	LPB-6,8	18 A	25	30A/2P/3R	(2)#10, #10G, 1/2"C	NOTE 3
DHP-B2	208 V	1	RP2-31,33	18 A	25	30A/2P/3R	(2)#10, #10G, 1/2"C	NOTE 3
DHP-B3	208 V	1	RP2-35,37	30 A	30 A	30A/2P/3R	(2)#10, #10G, 1/2"C	NOTE 3
ELECTRIC F	AN							
EF-B1	120 V	1	LPB-31	1.25 A	20 A	BY DIV. 23	(2)#12, #12G, 1/2"C	
EF-B2	120 V	1	LPB-33	3.5 A	20 A	BY DIV. 23	(2)#12, #12G, 1/2"C	
EF-B3	120 V	1	LPB-35	1.25 A	20 A	BY DIV. 23	(2)#12, #12G, 1/2"C	
EF-B4	120 V	1	LSB-29	1.25 A	20 A	BY DIV. 23	(2)#12, #12G, 1/2"C	
EF-B5	120 V	1	LPB-31	1.25 A	20 A	BY DIV. 23	(2)#12, #12G, 1/2"C	
ELECTRIC H	EATER							
EH-B2	208 V	1	LPB-2,4	20.8 A	25 A	BY DIV. 23	(2)#10, #10G, 1/2"C	
EH-B3	208 V	1	LPB-10,12	26 A	30 A	BY DIV. 23	(2)#10, #10G, 1/2"C	
EH-B4	208 V	1	ILSB-2,4	20.8 A	25 A	BY DIV. 23	(2)#10, #10G, 1/2"C	
EH-B5	208 V	1		20.8 A	25 A	BY DIV. 23	(2)#10, #10G, 1/2"C	
EMCS	120 V	1	RP2-27	1	20	BY DIV. 23	(2)#12, #12G, 1/2"C	
WATER HEA	TER		1		· · ·		· · ·	
WH-B1	480 V	1	PP-02-50,52,54	42	60	LOCKABLE BKR	(3)#4, #10G, 1"C	
WH-B2	208 V	1	LPB-14,16	34.58 A	45 A	60A/2P	(2)#6, #10G, 3/4"C	
WH-D3	208 V	1	RP2-39,41	34.58 A	45 A	60A/2P	(2)#6, #10G, 3/4"C	

			PANEL: LPB VOLTAGE: 120/208 WYE PHASE: 3 WIRES: 4 A.I.C. RATING: 10,000	N	-	ATING: TYPE: ED BY:	MB			LOCATION: ELEC 103 MOUNTING: Surface RATING: Type 1 TOTAL LOAD: 33388 VA			
скт	TRIP	Ρ	CIRCUIT DESCRIPTION		4	I	В		С	CIRCUIT DESCRIPTION	Ρ	TRIP	CK
1	20 A	1	IRRIGATION CONTROLLER	100	2000					FU D0		00.4	2
3	20 A	1	REFRIGERATOR (GFCI BKR)			1500	2000			EH-B2	2	30 A	4
5	20 A	1	RECEPTACLES					360	1664			05.4	6
7	20 A	1	RECEPTACLES	360	1664					DHP-B1	2	25 A	8
9	20 A	1	RECEPTACLES			1260	2500			EU DO		20.4	10
11	20 A	1	RECEPTACLES					360	2500	EH-B3	2	30 A	12
13	20 A	1	RECEPTACLES	540	1500						2	20.4	14
15	20 A	1	RECEPTACLES			360	1500			WH-B2 - LOCKABLE CKT BKR	2	20 A	16
17	20 A	1	HAND DRYER (GFCI BKR)					1800	0	SPARE	1	20 A	18
19	20 A	1	HAND DRYER (GFCI BKR)	1800	0					SPARE	1	20 A	20
21	20 A	1	HAND DRYER (GFCI BKR)			1800	0			SPARE	1	20 A	22
23	20 A	1	HAND DRYER (GFCI BKR)					1800	0	SPARE	1	20 A	24
25	20 A	1	RECEPTACLES	1440	0					SPARE	1	20 A	26
27	20 A	1	WATER FOUNTAINS (GFCI BKR)			800	0			SPARE	1	20 A	28
29	20 A	1	ICE MAKER (GFC BKRI)					1500	0	SPARE	1	20 A	30
31	20 A	1	EF-B1	240	0					SPACE			32
33	20 A	1	EF-B2			120	0			SPACE			34
35	20 A	1	EF-B3					120	0	SPACE			36
37	20 A	1	EWC - GFCI BKR	800	0								38
39	20 A	1	LIGHTING CONCESSIONS			1000	0			SPD	3	60 A	40
41	20 A	1	SPARE					0	0				42
				1044	4 VA	1284	AV 0	1010	04 VA				
				87	Ά	10	7 A	84	4 A				

MECHANICAL SCHEDULE NOTES 1. REFER TO SECTION 260120 FOR THE COORDINATION AFFIDAVIT THAT MUST BE

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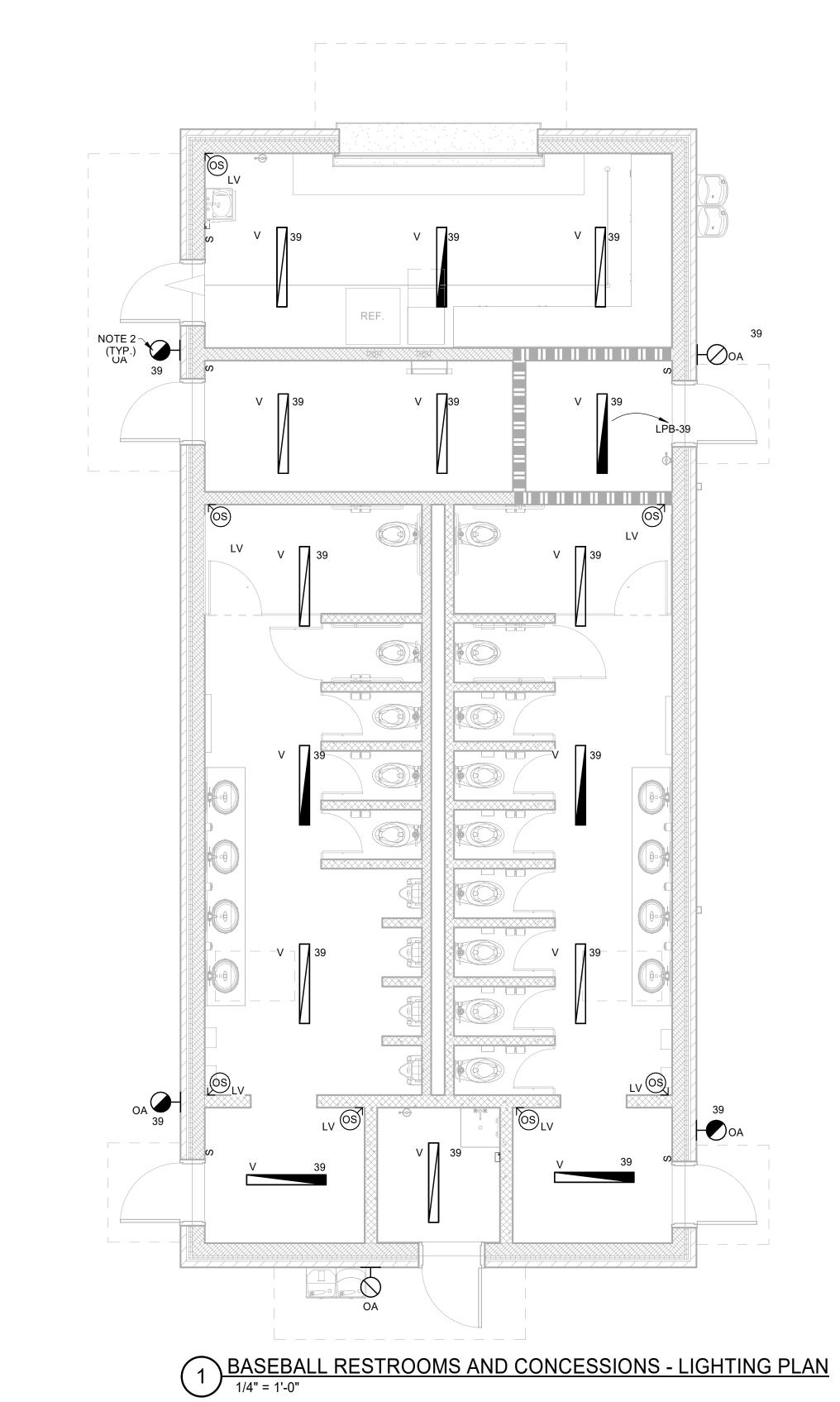
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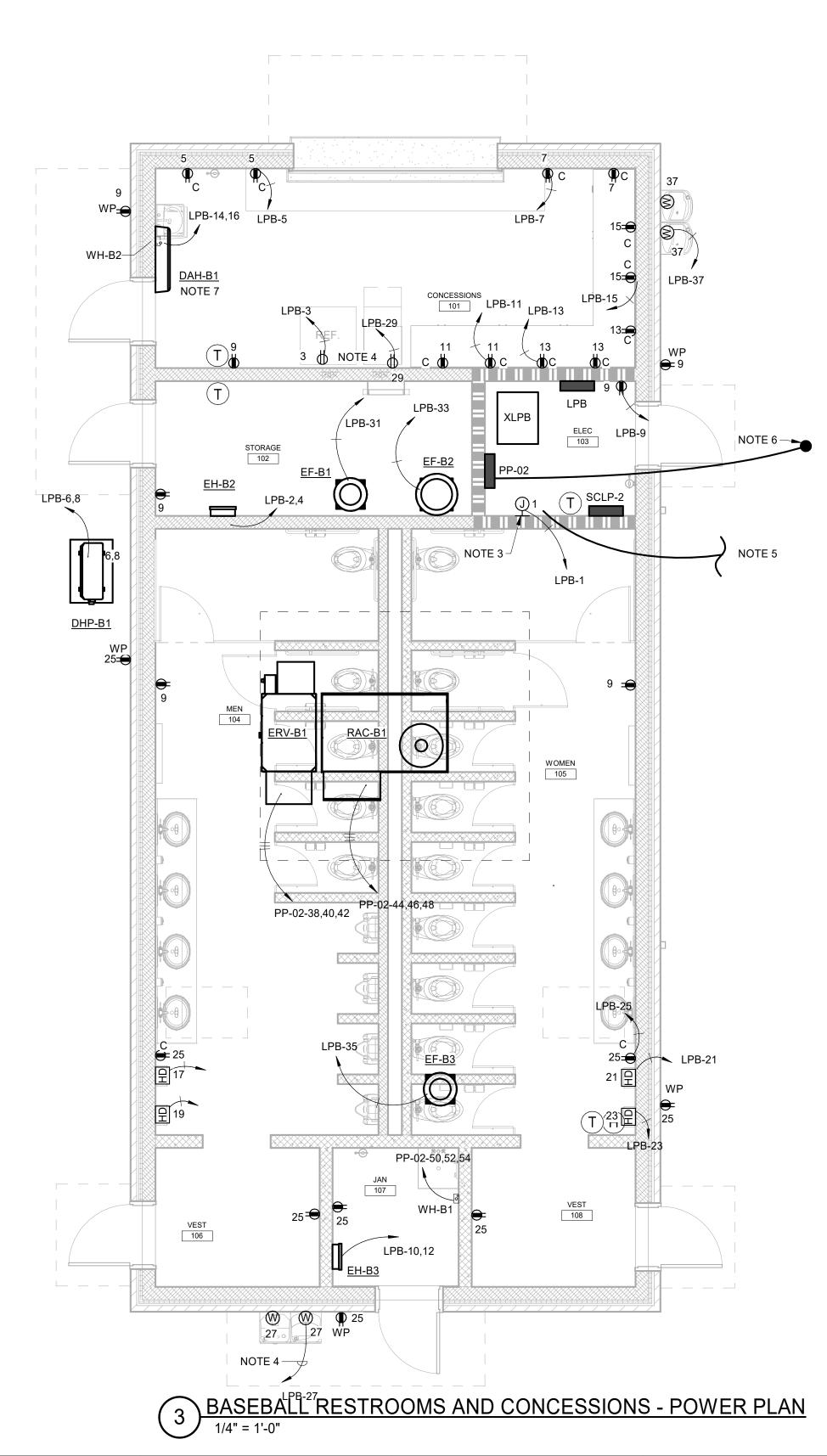
SUBMITTED AND APPROVED BEFORE MATERIALS MAY BE ORDERED.

- THE DESIGN IS BASED ON SINGLE POINT CONNECTIONS TO ALL EQUIPMENT, UNLESS NOTED OTHERWISE.
- 3. THE INDOOR UNIT RECEIVES POWER FROM THE OUTDOOR UNIT. PROVIDE 30 AMP, 2 POLE TOGGLE SWITCH ON LINE SIDE OF INDOOR UNIT. REFER TO UNIT CUT-SHEETS FOR CONNECTION REQUIREMENTS. DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR ALL WIRING COMPONENTS AND INSTALLATION.



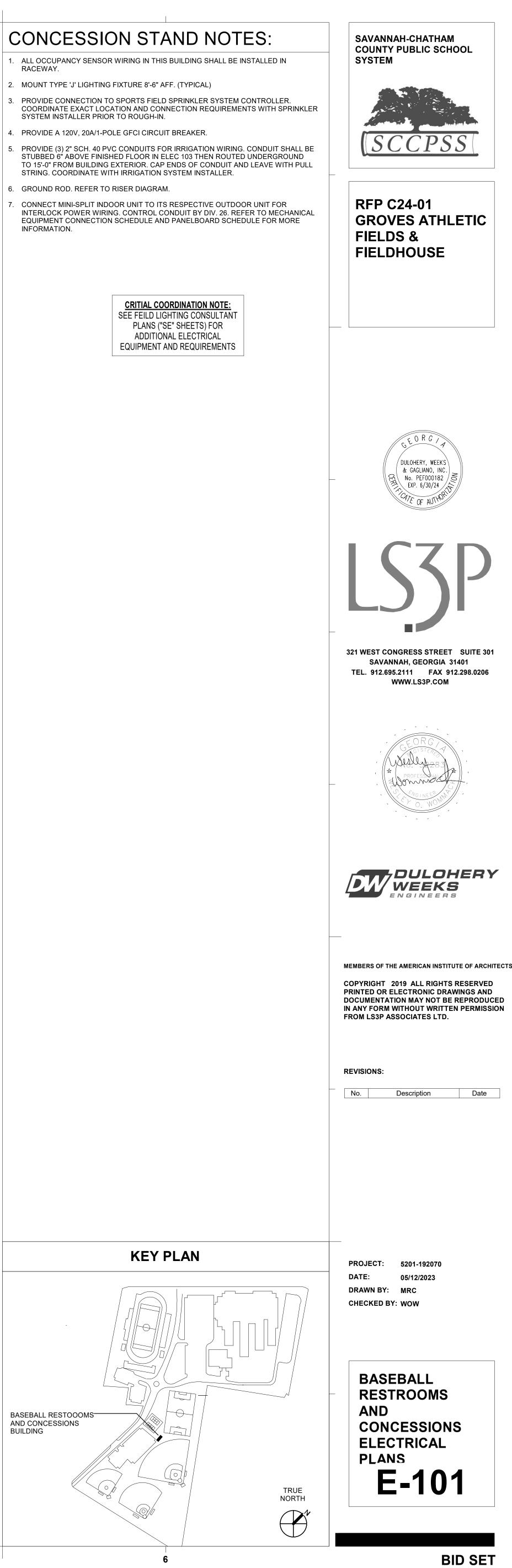
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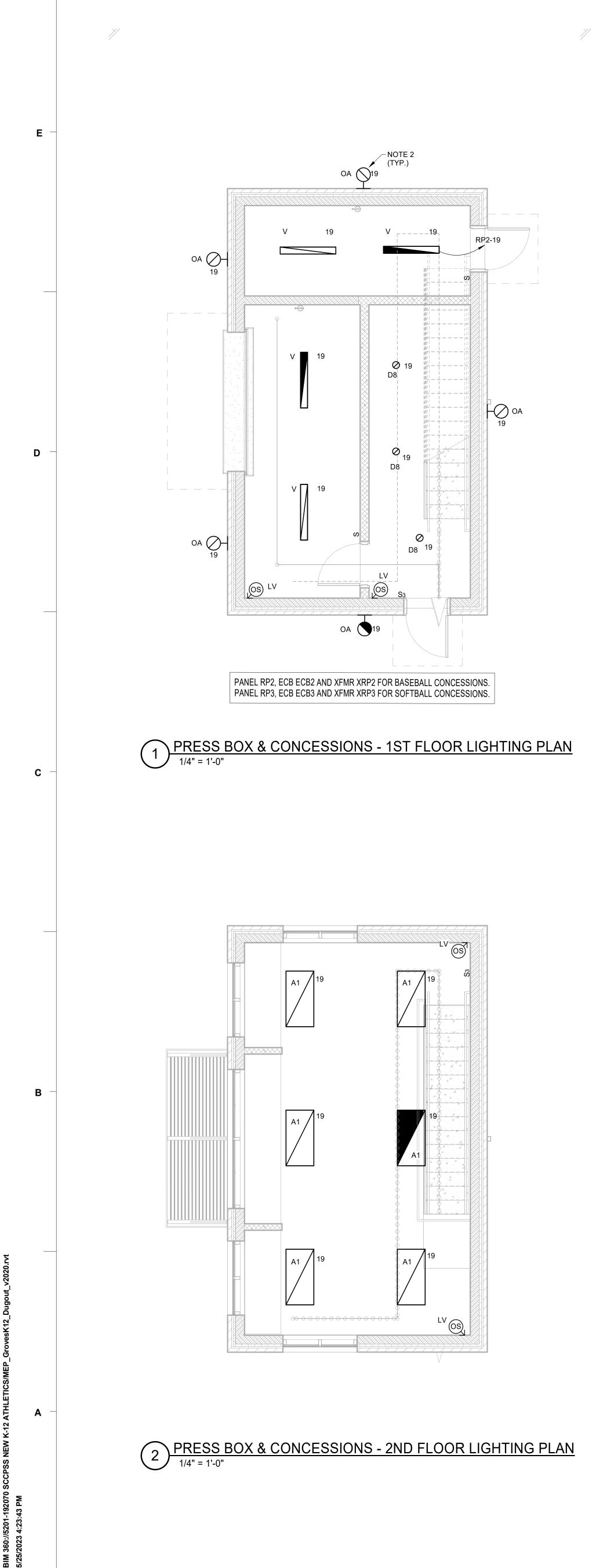
			VOLTAGE: 480/277 WYE PHASE: 3 WIRES: 4 A.I.C. RATING: 14,000	N	MAINS	ATING: 5 TYPE: ED BY:				LOCATION: ELEC 103 MOUNTING: Surface RATING: Indoor TOTAL LOAD: 234060 VA			
скт	TRIP	Ρ	CIRCUIT DESCRIPTION		4	E	3	()	CIRCUIT DESCRIPTION	Р	TRIP	СКТ
1 3 5	125 A	3	T-LPB	10444	4530	12840	4530	10104	4530	YOUTH BASEBALL FIELD	3	20 A	2 4 6
7 9 11	20 A	3	BASEBALL SPORTS LIGHTS	3140	2480	3140	2480	3140	2480	SOCCER FIELD LIGHTS	3	20 A	8 10 12
13 15 17	25 A	3	BASEBALL SPORTS LIGHTS	5430	2480	5430	2480	5430	2480	SOCCER FIELD LIGHTS	3	20 A	14 16 18
19 21 23	20 A	3	SOFTBALL SPORTS LIGHTS	3140	2480	3140	2480	3140	2480	SOCCER FIELD LIGHTS	3	20 A	20 22 24
25 27 29	20 A	3	SOFTBALL SPORTS LIGHTS	3170	2480	3170	2480	3170	2480	SOCCER FIELD LIGHTS	3	20 A	26 28 30
31 33 35	20 A	3	SOFTBALL SPORTS LIGHTS	3170	2720	3170	2720	3170	2720	TENNIS COURT LIGHTS	3	20 A	32 34 36
37	20 A	1	SPARE	0	694								38
39	20 A	1	SPARE			0	694			ERV-B1	3	15 A	40
41 43 45 47	20 A 125 A		SPARE ECB-2	8065	4656	10108	4656	0	694 4656	RAC-B1	3	25 A	42 44 46 48
49 51 53	125 A	3	ECB-3	8065	6667	10108	6667	11309	6667	WH-B1 - LOCKABLE CKT BKR	3	60 A	50 52 54
55			SPACE	0	0								56
57			SPACE			0	0			SPD	3	60 A	58
59			SPACE					0	0				60
				7381		8029 293	2 VA	7995 292	8 VA				



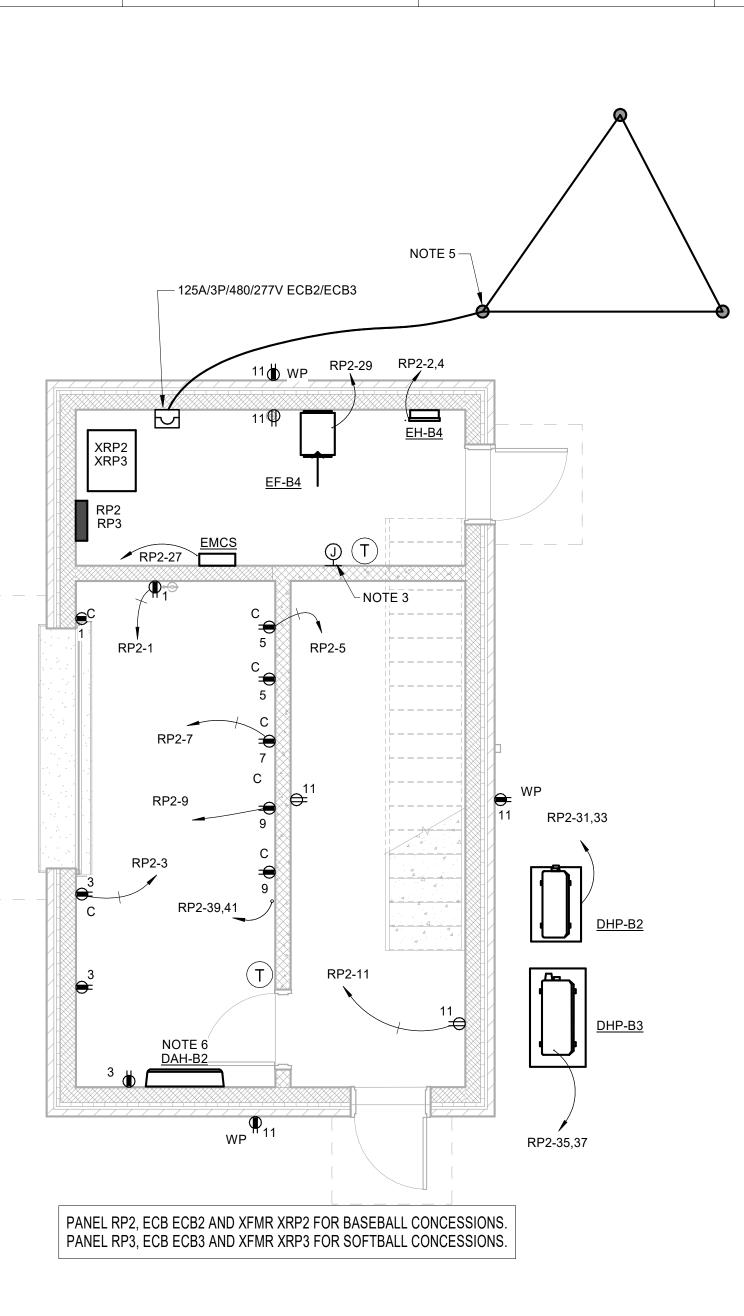
- 6. GROUND ROD. REFER TO RISER DIAGRAM.

PLANS ("SE" SHEETS) FOR ADDITIONAL ELECTRICAL



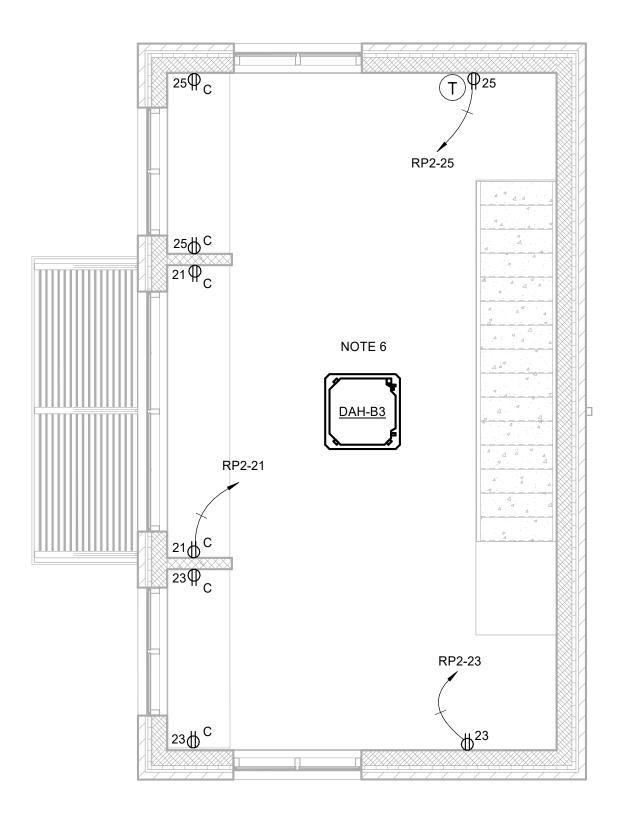


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			VOLTAGE: 120/208 WYE PHASE: 3 WIRES: 4 A.I.C. RATING: 10,000	N		ATING: TYPE: ED BY:	MB			LOCATION: ELEC/MECH MOUNTING: Surface RATING: Indoor TOTAL LOAD: 29482 VA	109		
скт	TRIP	Ρ	CIRCUIT DESCRIPTION		4	E	3	C	C	CIRCUIT DESCRIPTION	Р	TRIP	СКТ
1	20 A	1	RECEPTACLES	360	2000							00.4	2
3	20 A	1	RECEPTACLES			540	2000			EH-B4	2	30 A	4
5	20 A	1	RECEPTACLES					360	1500	SCOREBOARD	1	20 A	6
7	20 A	1	RECEPTACLES	180	0					SCOREBOARD (YOUTH)	1	20 A	8
9	20 A	1	RECEPTACLES			360	0			DUGOUT REC./LTS	1	20 A	10
11	20 A	1	RECEPTACLES					1080	0	DUGOUT REC./LTS	1	20 A	12
13	20 A	1	IRRIGATION CONTROLLER	100	0					SPARE	1	20 A	14
15	20 A	1	DUGOUT REC./LTS			834	0			SPARE	1	20 A	16
17	20 A	1	DUGOUT REC./LTS					1063	0	SPARE	1	20 A	18
19	20 A	1	PRESS BOX LIGHTING	725	0					SPARE	1	20 A	20
21	20 A	1	RECEPTACLE SPACE 36			360	0			SPARE	1	20 A	22
23	20 A	1	RECEPTACLE SPACE 36					540	0	SPARE	1	20 A	24
25	20 A	1	Receptacle PRESSBOX 201	540	0					SPACE			26
27	20 A	1	EMCS			200	0			SPACE			28
29	20 A	1	EF-B5					120	0	SPACE			30
31	20 A	2	DHP-B2	1664	0					SPACE			32
33	20 A	Z				1664	0			SPACE			34
35	30 A	2	DHP-B3					2496	0	SPACE			36
37	30 A	Z	DIF-03	2496	0					SPACE			38
39	45 A	2	WATER HEATER			4150	0			SPACE			40
41	43 A	2						4150	0	SPACE			42
				806	5 VA	1010	8 VA	1130	9 VA	-			
				67	Ϋ́Α	87	Ά	97	Ϋ́Α				

3 PRESS BOX & CONCESSIONS - 1ST FLOOR POWER PLAN



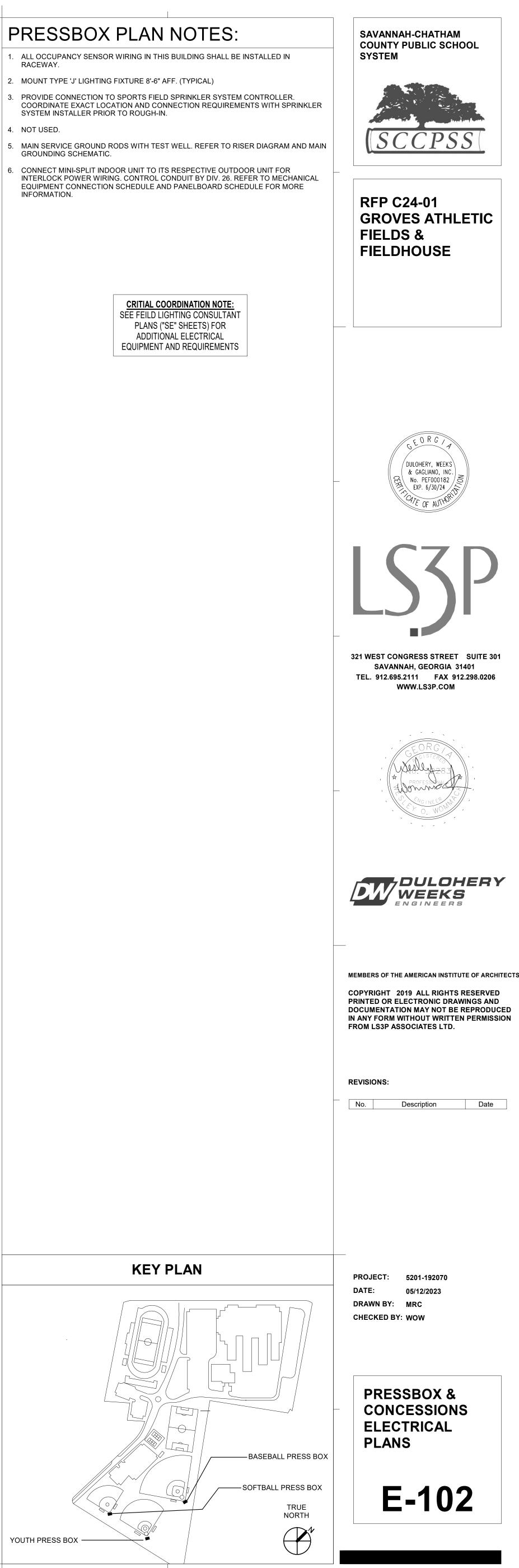
4 PRESS BOX & CONCESSIONS - 2ND FLOOR POWER PLAN

SEE "SE" SHEETS FOR ADDITIONAL INFORMATION

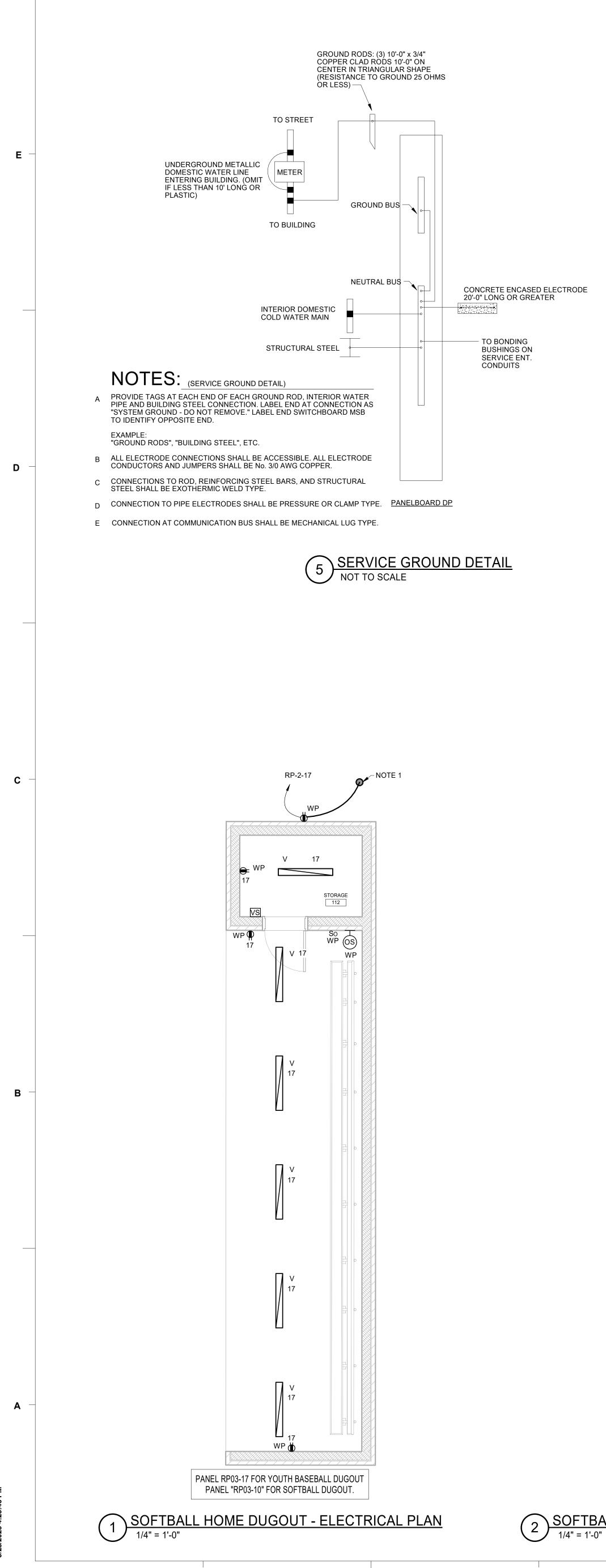
A	AMPERES	MIN	MINIMUM
AFF	ABOVE FINISHED FLOOR	MOCP	MAXIMUM OVERCURRENT PROTECTION
AFG	ABOVE FINISHED GRADE	MTD	MOUNTED
AH	AIR HANDLER	No.	NUMBER
AIC	AMPERAGE INTERRUPT CAPABILITY	NEC	NATIONAL ELECTRIC CODE
A/V	AUDIO/VISUAL	NTS	NOT TO SCALE
AWG	AMERICAN WIRE GAUGE	RGS	RIGID GALVANIZED STEEL
B.E.	BOTTOM EDGE	RTU	ROOFTOP UNIT
C.	CONDUIT	SF	SUPPLY FAN
CU	CONDENSING UNIT	SPD	SURGE PROTECTION DEVICE
DAH	DUCTLESS AIR HANDLER	TGB	TELECOMMUNICATIONS GROUND BUS
DHP	DUCTLESS HEAT PUMP	TMGB	TELECOMMUNICATIONS MAIN GROUND BUS
DIA.	DIAMETER	TYP	TYPICAL
E.C.B.	ENCLOSED CIRCUIT BREAKER	UH	UNIT HEATER
EF	EXHAUST FAN	UNO	UNLESS NOTED OTHERWISE
EH	ELECTRIC HEATER	V	VOLTAGE
EMCS	ENERGY MANAGEMENT CONTROL	W	WATTAGE
UNIT		W/	WITH
FAAP	FIRE ALARM ANNUNCIATOR PANEL	WH	WATER HEATER
FACP	FIRE ALARM CONTROL PANEL	WP	WEATHER PROOF
G	GROUND	XFMR	TANSFORMER
GFI	GROUND-FAULT INTERRUPTING		
HP	HORSE POWER		
HWCP	HOT WATER CIRCULATING PUMP		
KCMIL	KILO CIRCULAR MIL		
MAH	MAKEUP AIR HEATER		
MB	MAIN BREAKER		

PRESSBOX PLAN NOTES:

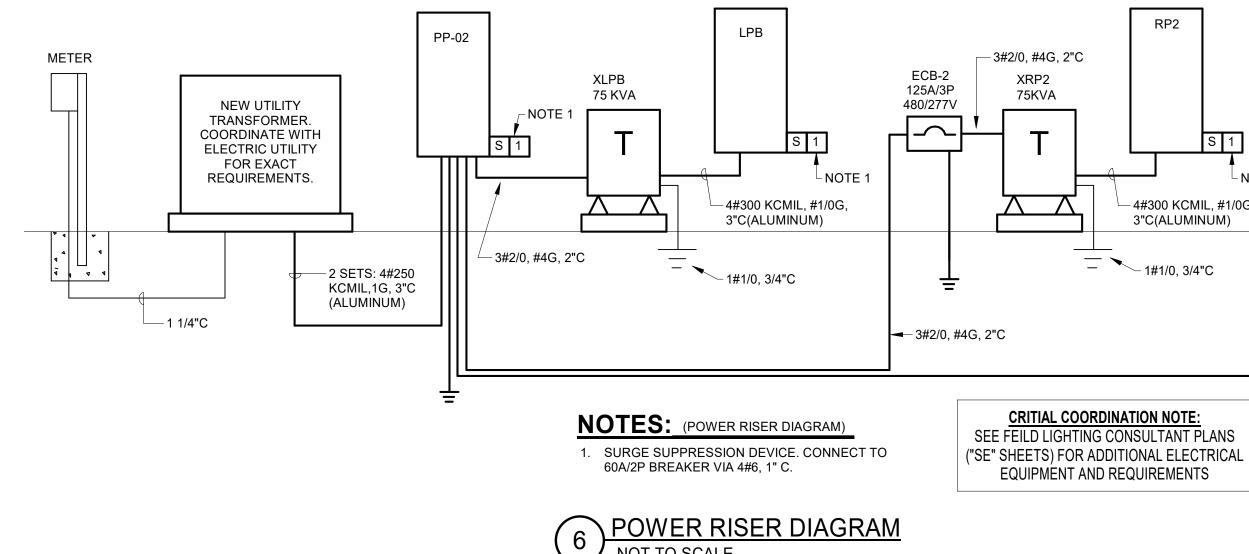
PLANS ("SE" SHEETS) FOR ADDITIONAL ELECTRICAL



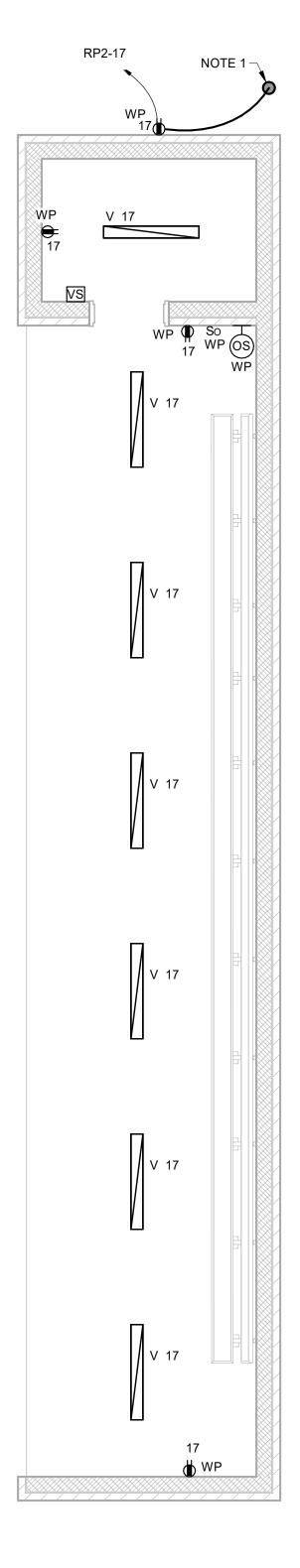
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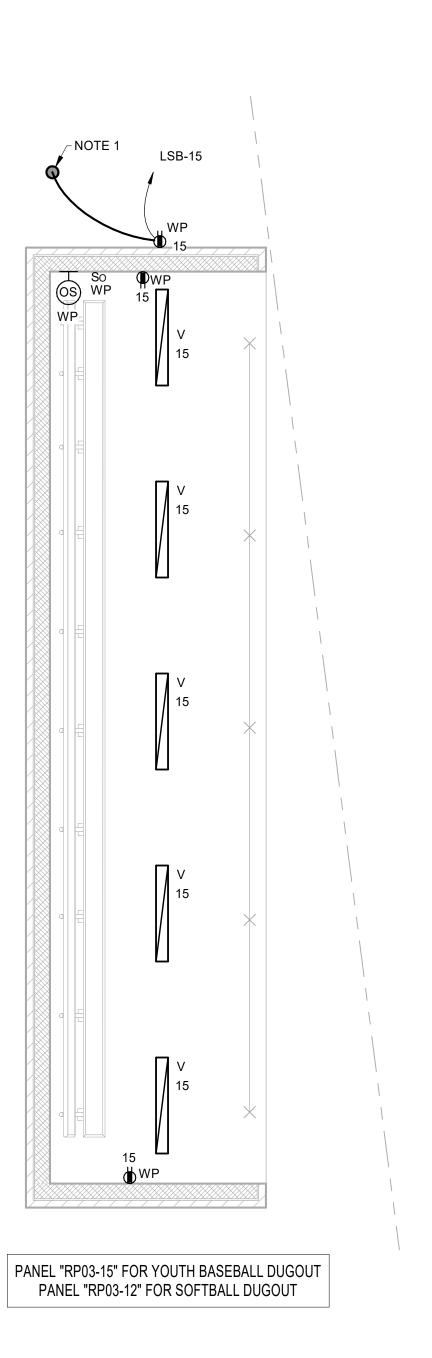


2



NOT TO SCALE

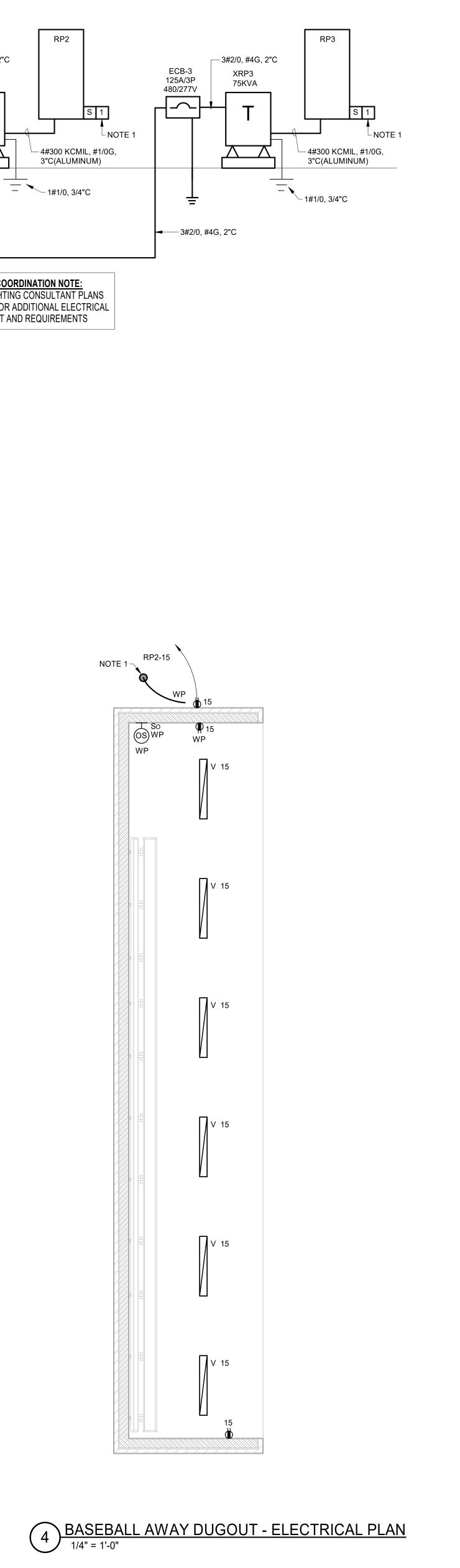


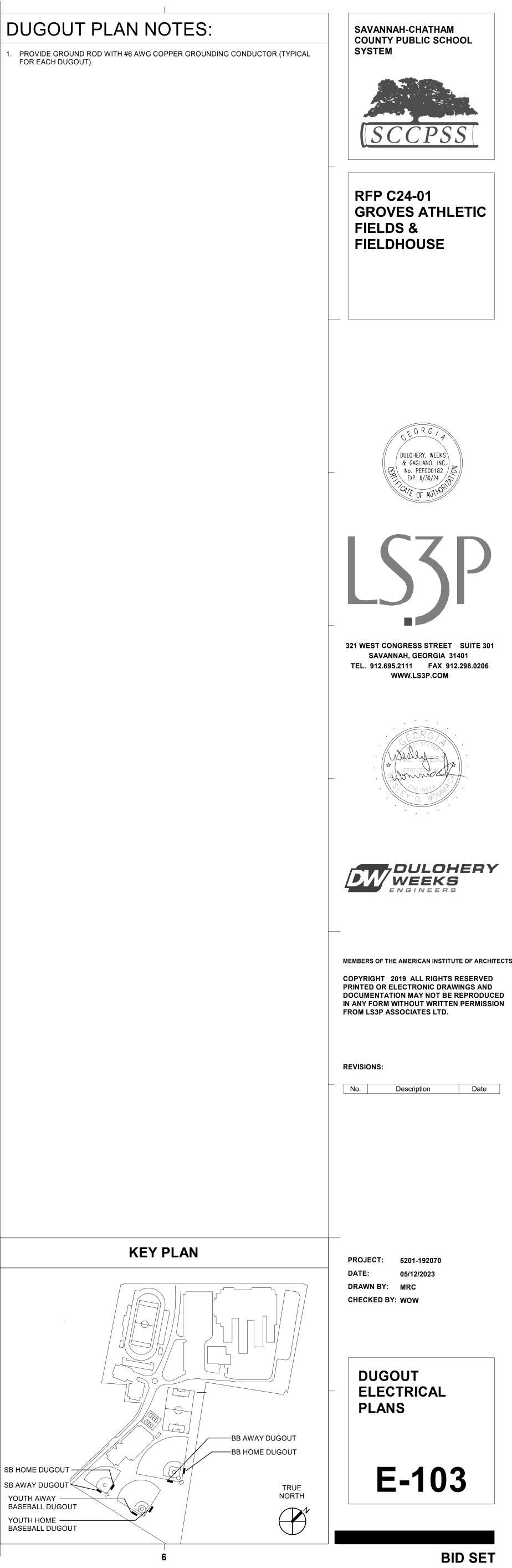


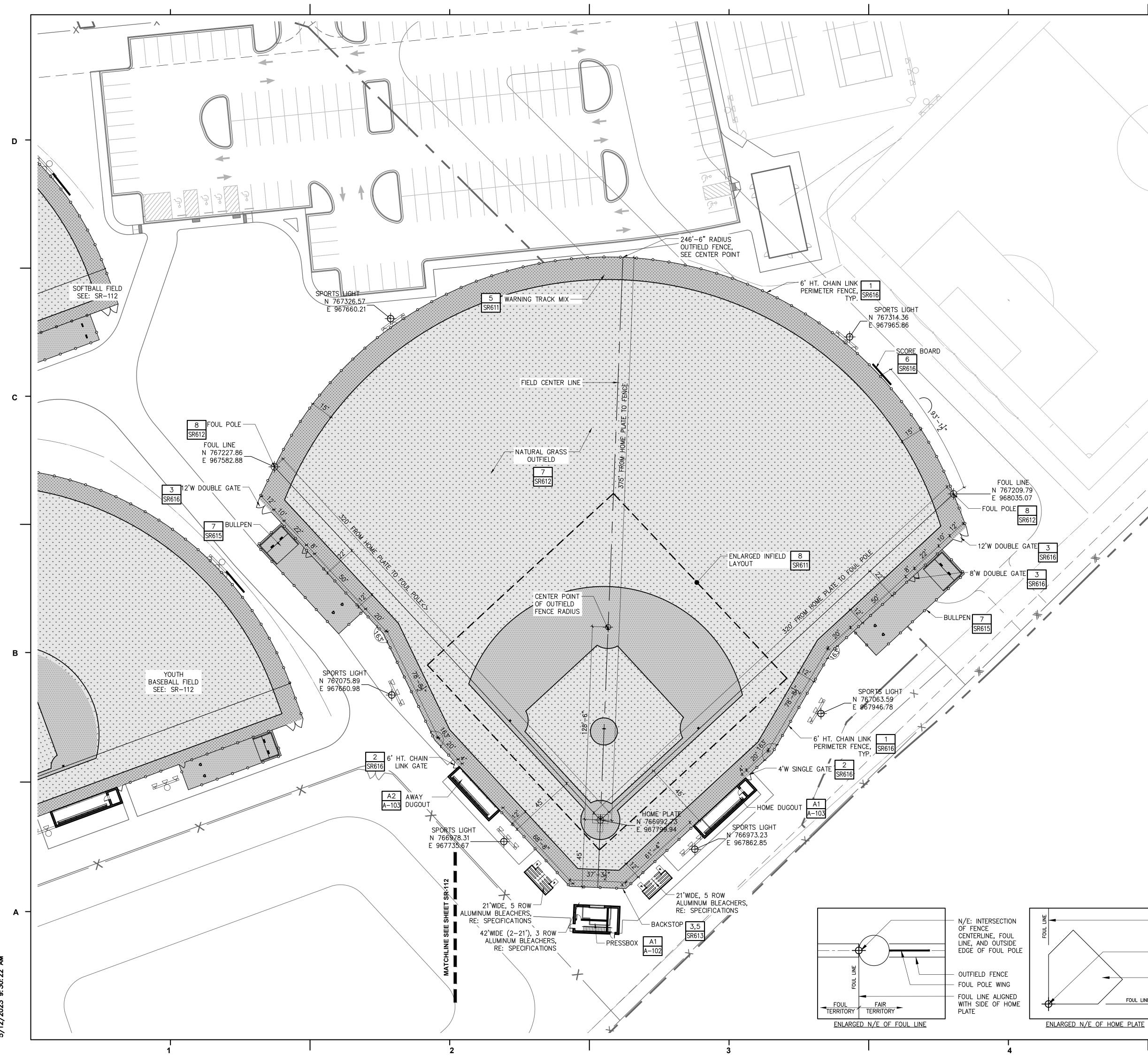
2 SOFTBALL AWAY DUGOUT - ELECTRICAL PLAN 1/4" = 1'-0"

3 BASEBALL HOME DUGOUT - ELECTRICAL PLAN

DUGOUT PLAN NOTES:

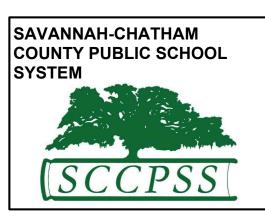






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LEGEN	D
	FIELD MIDLINE / CENTERLINE
^	CHAINLINK FENCE AND GATE
	AMENDED ROOTZONE GRASS FIELD
	INFIELD MIX
	WARNING TRACK MIX



RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE

NOTES

- FOUL LINE, EXTENDED

FROM EDGE OF

HOME PLATE

N/E: APEX OF

HOME PLATE

HOME PLATE

FOUL LINE

- 1. SEE CIVIL LAYOUT DRAWINGS FOR COORDINATION OF WORK WITH GENERAL SITE LAYOUT, PAVING, UTILITIES, AND ALL OTHER CONDITIONS OUTSIDE OF PLAYING FIELD.
- 2. VERIFY ALL SITE CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF WORK. NOTIFY OWNER AND ITS REPRESENTATIVES OF ANY DISCREPANCIES OR IRREGULAR CONDITIONS.
- 3. DIMENSIONS ARE TO BACK OF 1ST AND 3RD BASE, AND TO CENTER OF 2ND BASE.
- 4. DIMENSIONS ARE TO BACK APEX OF HOME PLATE.
- 5. FOUL POLE DIMENSIONS ARE AT OUTSIDE OF FOUL LINE AND INTERSECTION OF FENCE.
- 6. FIELD DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINE UNLESS OTHERWISE NOTED.
- 7. ALL ANGLES ARE 90° UNLESS OTHERWISE INDICATED.







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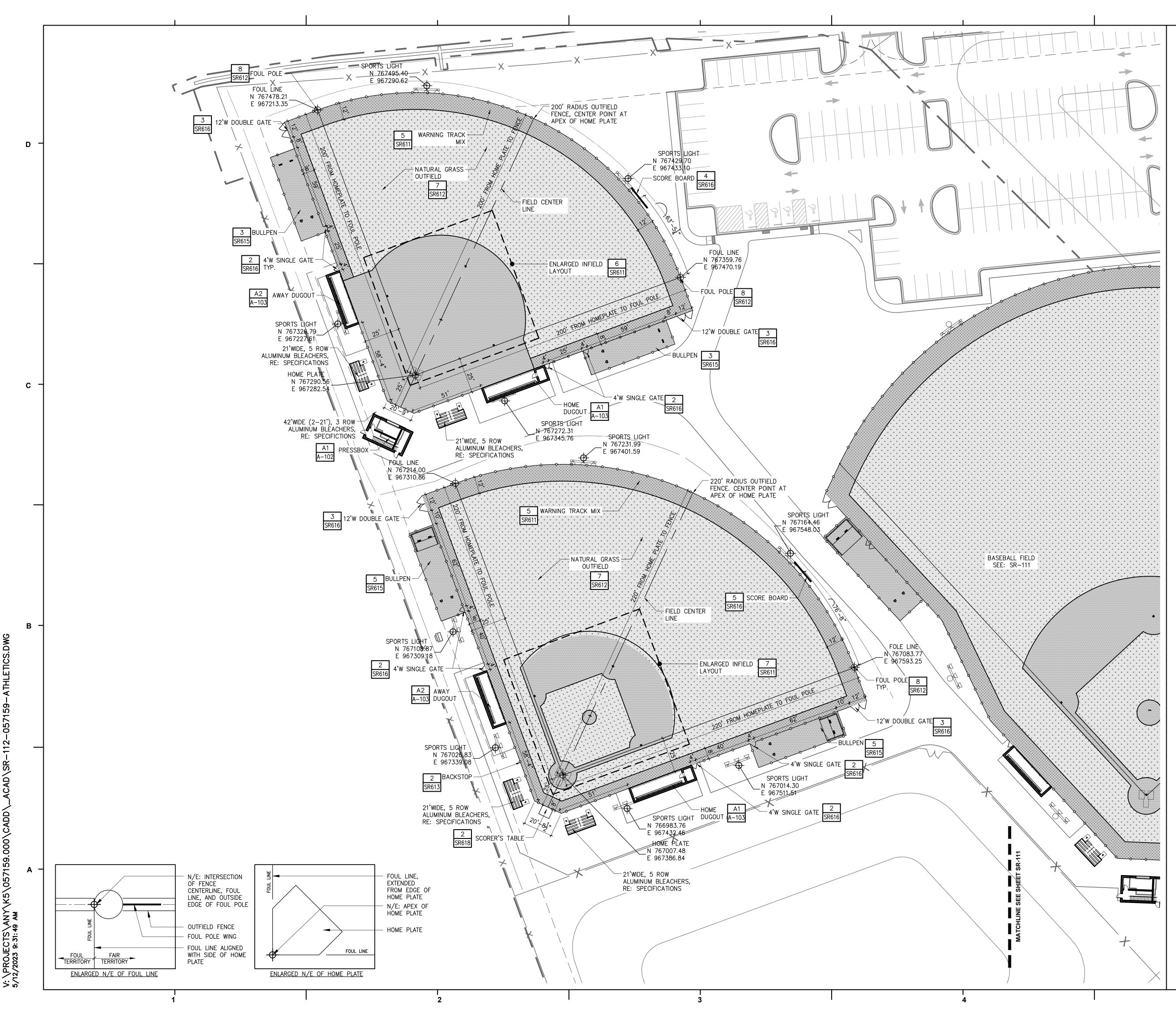
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<u>LEGEND</u>

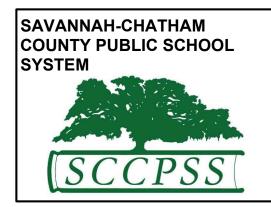
----- FIELD MIDLINE / CENTERLINE

CHAINLINK FENCE AND GATE





WARNING TRACK MIX



RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE

NOTES

- 1. SEE CIVIL LAYOUT DRAWINGS FOR COORDINATION OF WORK WITH GENERAL SITE LAYOUT, PAVING, UTILITIES, AND ALL OTHER CONDITIONS OUTSIDE OF PLAYING FIELD.
- 2. VERIFY ALL SITE CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF WORK. NOTIFY OWNER AND ITS REPRESENTATIVES OF ANY DISCREPANCIES OR IRREGULAR CONDITIONS.
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- 6. FIELD DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINE UNLESS OTHERWISE NOTED.
- 7. ALL ANGLES ARE 90° UNLESS OTHERWISE INDICATED.

Scale in feet



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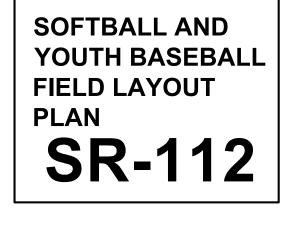


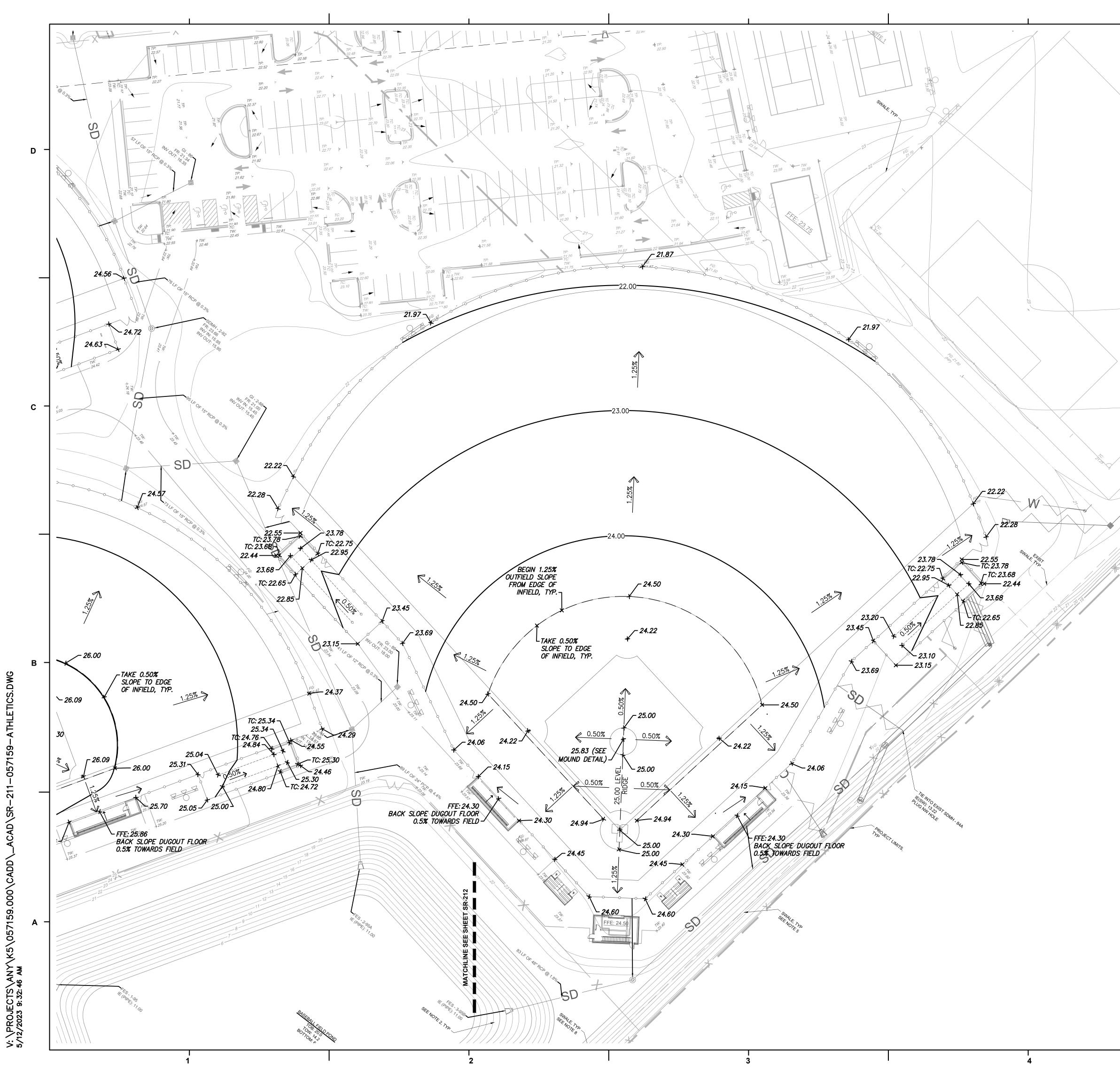


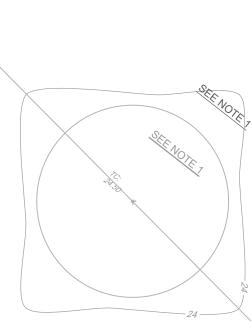
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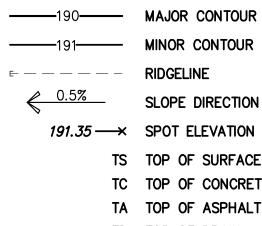




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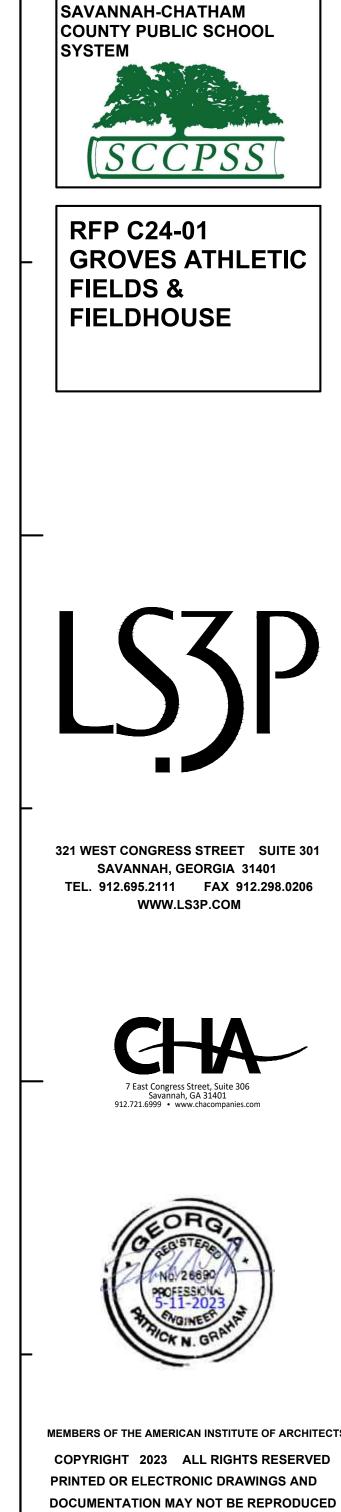




SLOPE DIRECTION $191.35 \longrightarrow$ SPOT ELEVATION TS TOP OF SURFACE TC TOP OF CONCRETE TA TOP OF ASPHALT TD TOP OF DRAIN

NOTES

- 1. FINISH GRADES TO MIRROR THAT OF THE FINISH SUBGRADE.
- 2. FINISH GRADES TO BE 0.50% SLOPE ON INFIELD AND 1.25% IN OUTFIELD.
- 3. THE CONTOUR INTERVAL ON PLAYING FIELD IS SHOWN AT 1.0 FOOT.
- 4. PROPOSED GRADES SHALL BLEND SMOOTHLY WITH ADJACENT PROPOSED ELEVATIONS.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
- 6. GRADE FIELD TO A SMOOTH, EVEN PLAYING SURFACE TO THE SPOT ELEVATIONS AND CONTOURS SHOWN USING LASER OPERATED EQUIPMENT.
- 7. FINISH GRADES AND SPOT ELEVATIONS REPRESENT ELEVATIONS AFTER FIELD IS COMPLETED PER SPECIFICATIONS.
- 8. THE CONTRACTOR SHALL STAKE OUT ALL GRADES IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES. THE ENGINEER SHALL APPROVE STAKED GRADES.
- 9. PROTECT EXISTING UTILITIES, DRAINAGE STRUCTURES, AND FENCES FROM DAMAGE DURING GRADING.
- 10. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO COORDINATE THE PROTECTION OF DRAINAGE STRUCTURES AND DRAINAGE WAYS WITHIN THE PLAYING FIELD PROJECT AREA. RE: EROSION CONTROL PLAN FOR THE ENTIRE WORK SITE.



IN ANY FORM WITHOUT WRITTEN PERMISSION FROM LS3P ASSOCIATES LTD.

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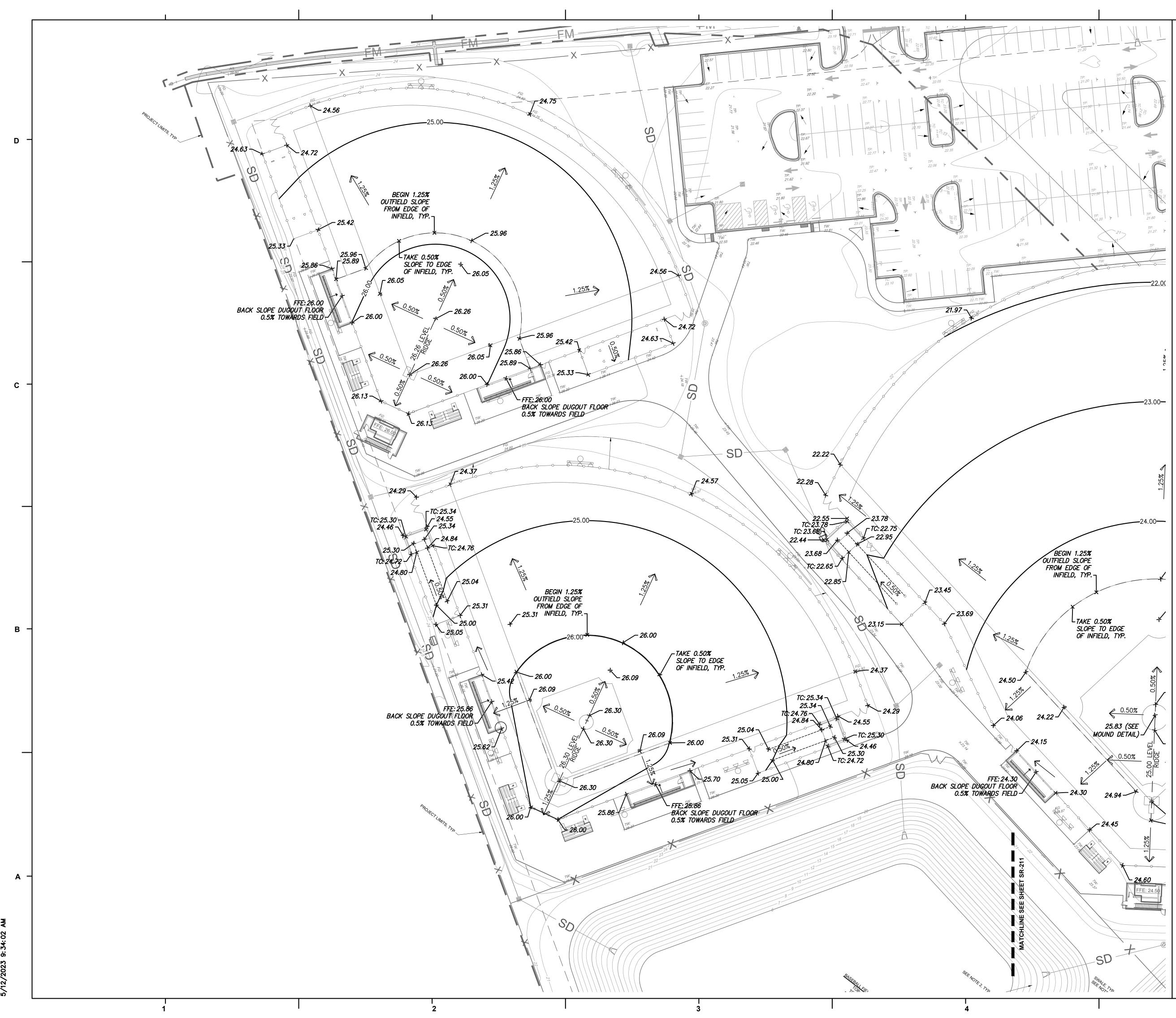
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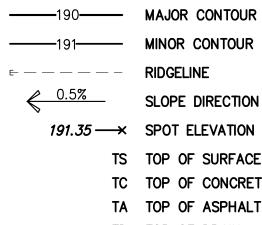






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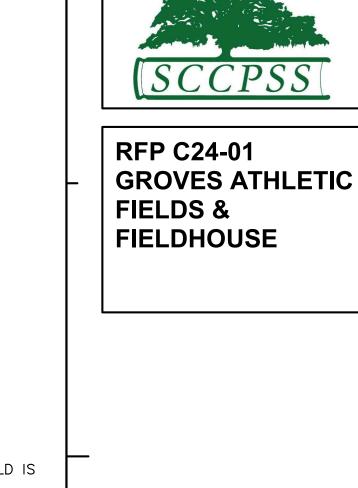
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€ 0.5% SLOPE DIRECTION 191.35 — × SPOT ELEVATION TS TOP OF SURFACE TC TOP OF CONCRETE TA TOP OF ASPHALT TD TOP OF DRAIN

NOTES

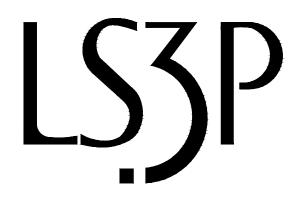
- 1. FINISH GRADES TO MIRROR THAT OF THE FINISH SUBGRADE.
- 2. FINISH GRADES TO BE 0.50% SLOPE ON INFIELD AND 1.25% IN OUTFIELD.
- 3. THE CONTOUR INTERVAL ON PLAYING FIELD IS SHOWN AT 1.0 FOOT.
- 4. PROPOSED GRADES SHALL BLEND SMOOTHLY WITH ADJACENT PROPOSED ELEVATIONS.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
- 6. GRADE FIELD TO A SMOOTH, EVEN PLAYING SURFACE TO THE SPOT ELEVATIONS AND CONTOURS SHOWN USING LASER OPERATED EQUIPMENT.
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SYSTEM

SAVANNAH-CHATHAM

COUNTY PUBLIC SCHOOL



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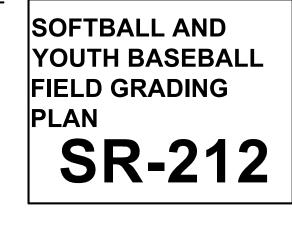


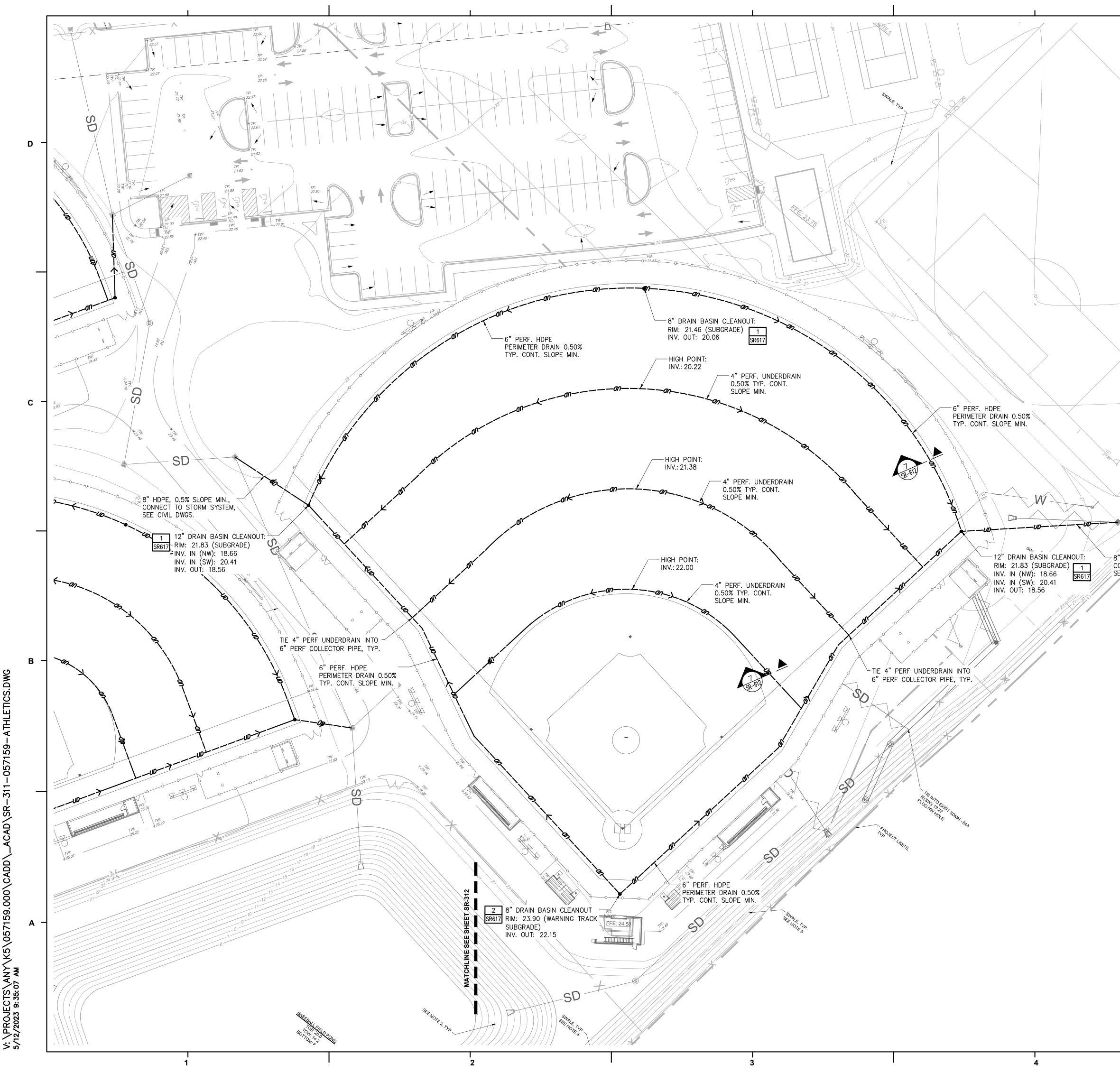
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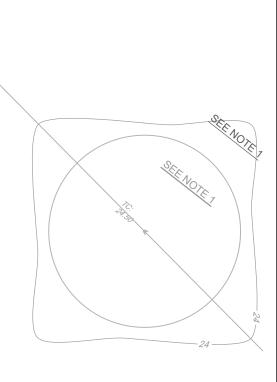
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 \sim 8" HDPE, 0.5% SLOPE MIN., CONNECT TO STORM SYSTEM, SEE CIVIL DWGS.

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PERFORATED UNDERDRAIN STORM DRAIN PIPE PANEL DRAIN TRENCH DRAIN SLOT DRAIN DRAIN BASIN

NOTES

- 1. PERIMETER COLLECTOR PIPE TO BE HDPE, SIZED AS SHOWN.
- 2. FIELD COLLECTOR AND PANEL DRAINS TO SLOPE AS INDICATED.
- 3. GEOTEXTILE FABRIC TO BE PLACED AT BOTTOM AND SIDES OF COLLECTOR PIPE.
- 4. ALL ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS NOTED OTHERWISE.
- 5. PLAYING FIELD CONTRACTOR TO COORDINATE AND BE AWARE OF SITE STORM PIPING AND STRUCTURES WITHIN THE CONSTRUCTION BOUNDARIES AS SHOWN ON THE DRAWINGS.
- 6. CONTRACTOR TO PROTECT DRAINAGE LINES DURING CONSTRUCTION FROM DEBRIS, INCLUDING SOIL OR GRAVEL MATERIAL OR OTHER TRASH FROM ENTERING OR BLOCKING LINES.
- 7. CONTRACTOR TO AVOID TRAFFIC OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
- 8. COLLECTOR LINE TO BE LOCATED FROM EDGE OF PLAYING FIELD AND AS SHOWN ON DRAWINGS.
- 9. COORDINATE DRAINAGE CONNECTION AND INVERTS WITH EXISTING, IN-PLACE CONDITIONS.
- 10. CONTRACTOR SHALL CONTACT ENGINEER IMMEDIATELY IF DISCREPANCIES ARE FOUND IN FIELD.
- 11. SEE CIVIL PLANS FOR SITE DRAINAGE OUTSIDE OF PLAYING FIELD.

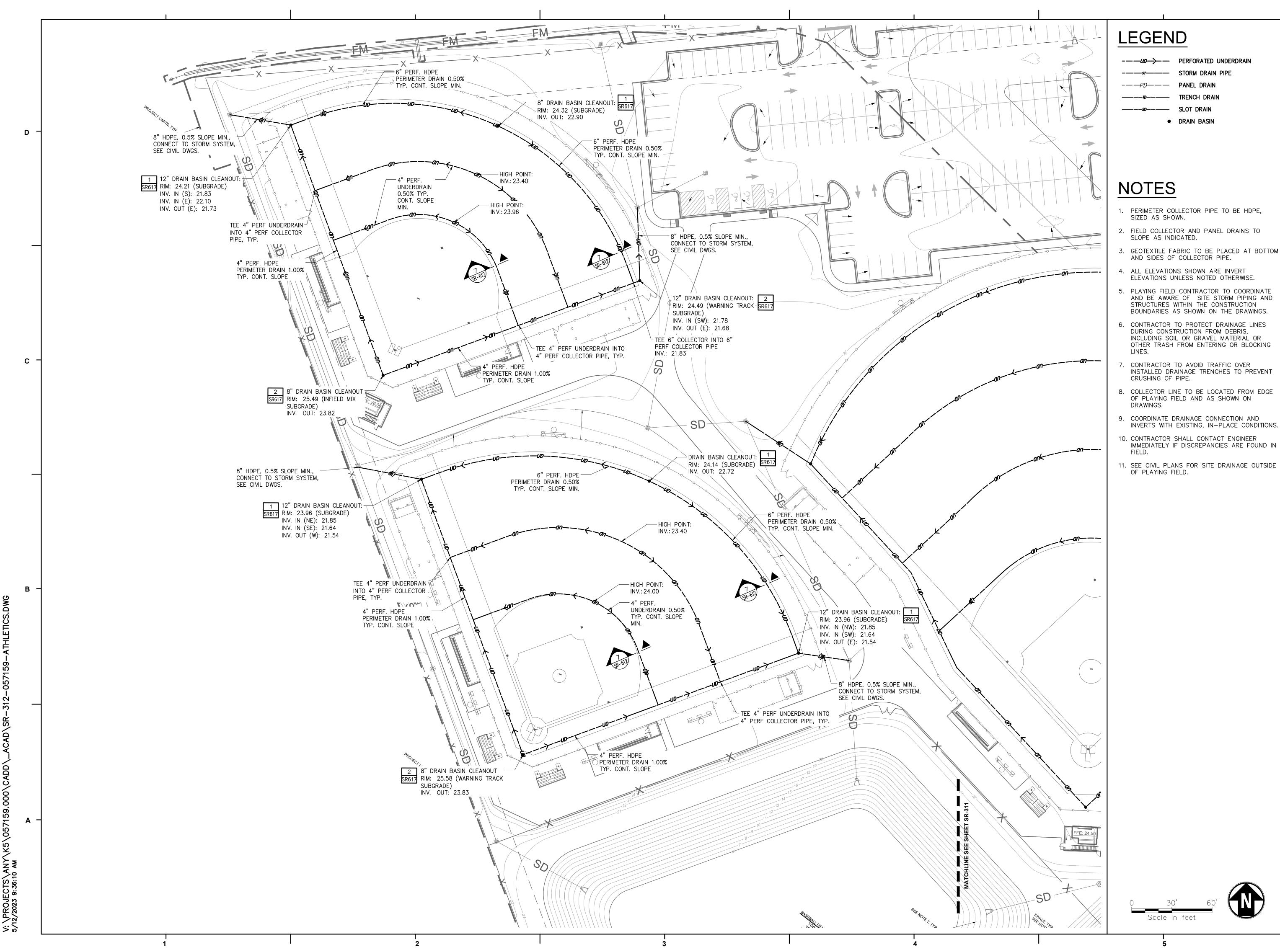
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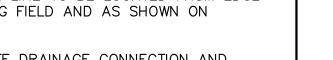
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----PD----- PANEL DRAIN

---------------------------------STORM DRAIN PIPE ----- TRENCH DRAIN DRAIN BASIN

NOTES

- 1. PERIMETER COLLECTOR PIPE TO BE HDPE, SIZED AS SHOWN.
- 2. FIELD COLLECTOR AND PANEL DRAINS TO SLOPE AS INDICATED.
- 3. GEOTEXTILE FABRIC TO BE PLACED AT BOTTOM AND SIDES OF COLLECTOR PIPE.
- 4. ALL ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS NOTED OTHERWISE.
- 5. PLAYING FIELD CONTRACTOR TO COORDINATE AND BE AWARE OF SITE STORM PIPING AND STRUCTURES WITHIN THE CONSTRUCTION BOUNDARIES AS SHOWN ON THE DRAWINGS.
- 6. CONTRACTOR TO PROTECT DRAINAGE LINES DURING CONSTRUCTION FROM DEBRIS, INCLUDING SOIL OR GRAVEL MATERIAL OR OTHER TRASH FROM ENTERING OR BLOCKING LINES.
- 7. CONTRACTOR TO AVOID TRAFFIC OVER INSTALLED DRAINAGE TRENCHES TO PREVENT
- CRUSHING OF PIPE. 8. COLLECTOR LINE TO BE LOCATED FROM EDGE
- OF PLAYING FIELD AND AS SHOWN ON DRAWINGS.
- 9. COORDINATE DRAINAGE CONNECTION AND INVERTS WITH EXISTING, IN-PLACE CONDITIONS.







SAVANNAH-CHATHAM

SYSTEM

COUNTY PUBLIC SCHOOL

SUCTOS

GROVES ATHLETIC

RFP C24-01

FIELDS &

FIELDHOUSE





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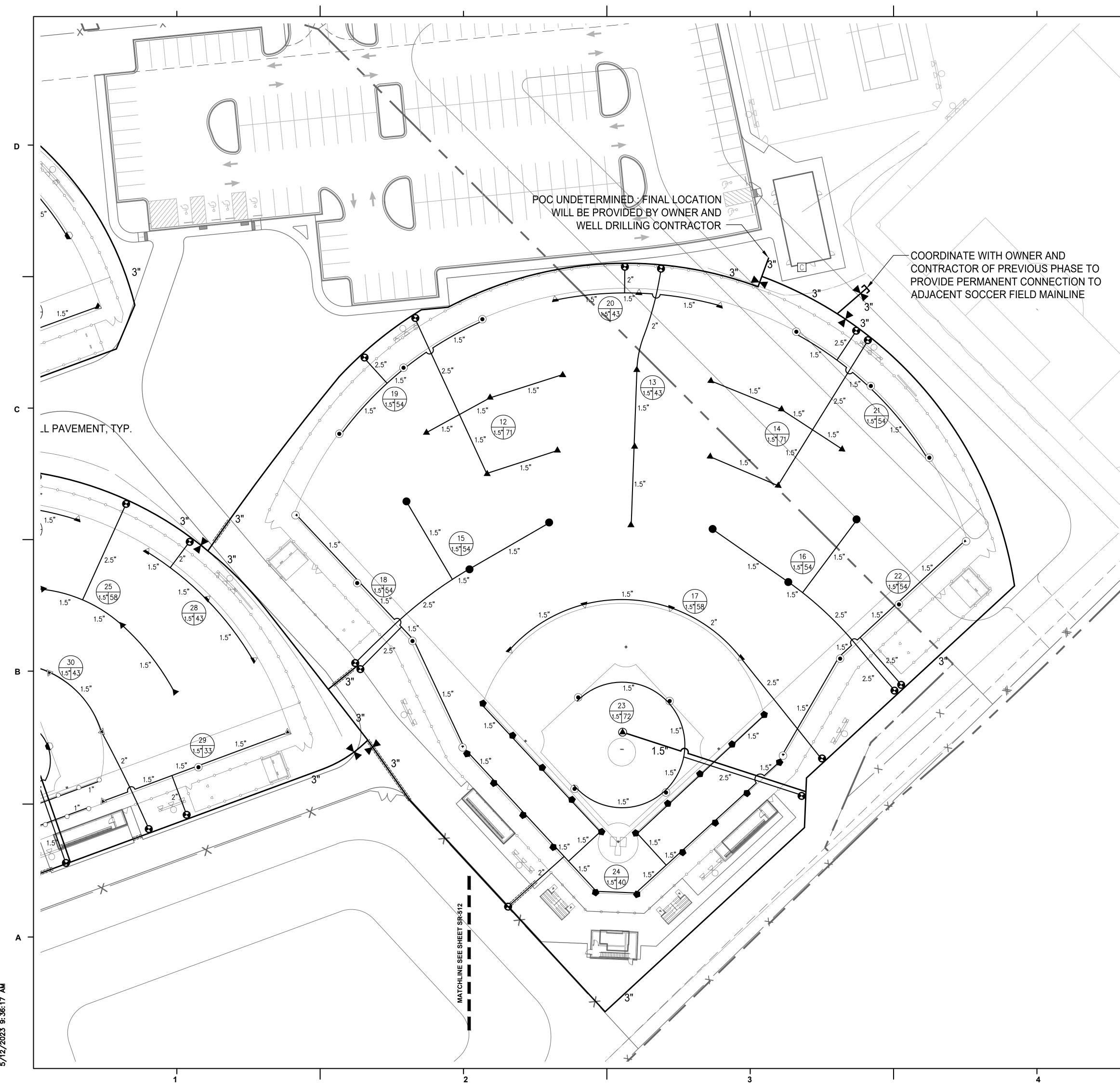
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SOFTBALL AND YOUTH BASEBALL DRAINAGE PLAN **SR-312**

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Scale in feet





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LEGEND

С	Automatic Irrigation Controller
\bigcirc	Rotary Sprinkler — Full Circle — 65' radius, 23.6 gpm, 70 psi
\bigcirc	Rotary Sprinkler — Part Circle — 65' radius, 23.6 gpm, 70 psi
	Rotary Sprinkler — Part Circle — 65' radius, 13.3 gpm, 70 psi
•	Rotary Sprinkler — Full Circle — 60' radius, 17.8 gpm, 60 psi
ullet	Rotary Sprinkler — Part Circle — 60' radius, 17.8 gpm, 60 psi
	Rotary Sprinkler — Part Circle — 60' radius, 9.2 gpm, 60 psi
	Rotary Sprinkler — Full Circle — 55' radius, 14.3 gpm, 60 psi
\bigtriangledown	Rotary Sprinkler — Part Circle — 55' radius, 14.3 gpm, 60 psi
$\mathbf{\nabla}$	Rotary Sprinkler — Part Circle — 55' radius, 7.5 gpm, 60 psi
	Rotary Sprinkler — Full Circle — 45' radius, 7.5 gpm, 60 psi
\bigcirc	Rotary Sprinkler — Part Circle — 45' radius, 7.5 gpm, 60 psi
	Rotary Sprinkler — Part Circle — 30' radius, 2.0 gpm, 45 psi
0	Multi Stream Rotary Sprinkler — Adjustable Arc — 14' radius, 0.21—0.86 gpm, 40 psi
0	1.5" Electric Valve
Ð	1" Electric Valve
٢	1" Quick Coupling Valve

SAVANNAH-CHATHAM COUNTY PUBLIC SCHOOL SYSTEM

RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE

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	BASEBALL FIELD						



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1. SEE SR-617-618 FOR IRRIGATION SYSTEM DETAILS.

Main Line Gate Valve

====== Sleeve - 1-6" In Size for Pipe and

VALVE SYMBOL

VALVE - 1.5" 56 GPM

1-2" In Size for Wire

-Main Line Pipe

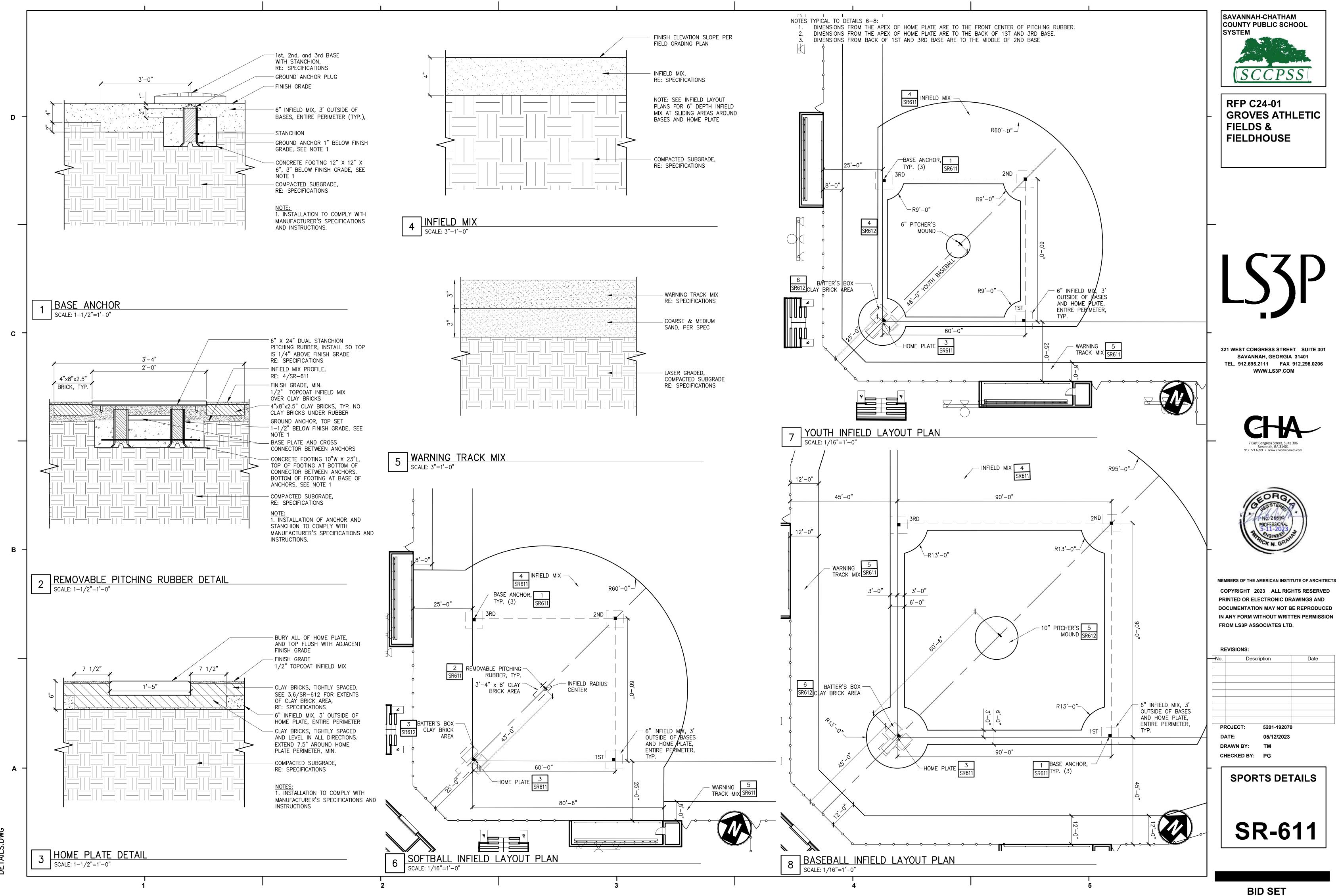
— Lateral Pipe

Scale in feet



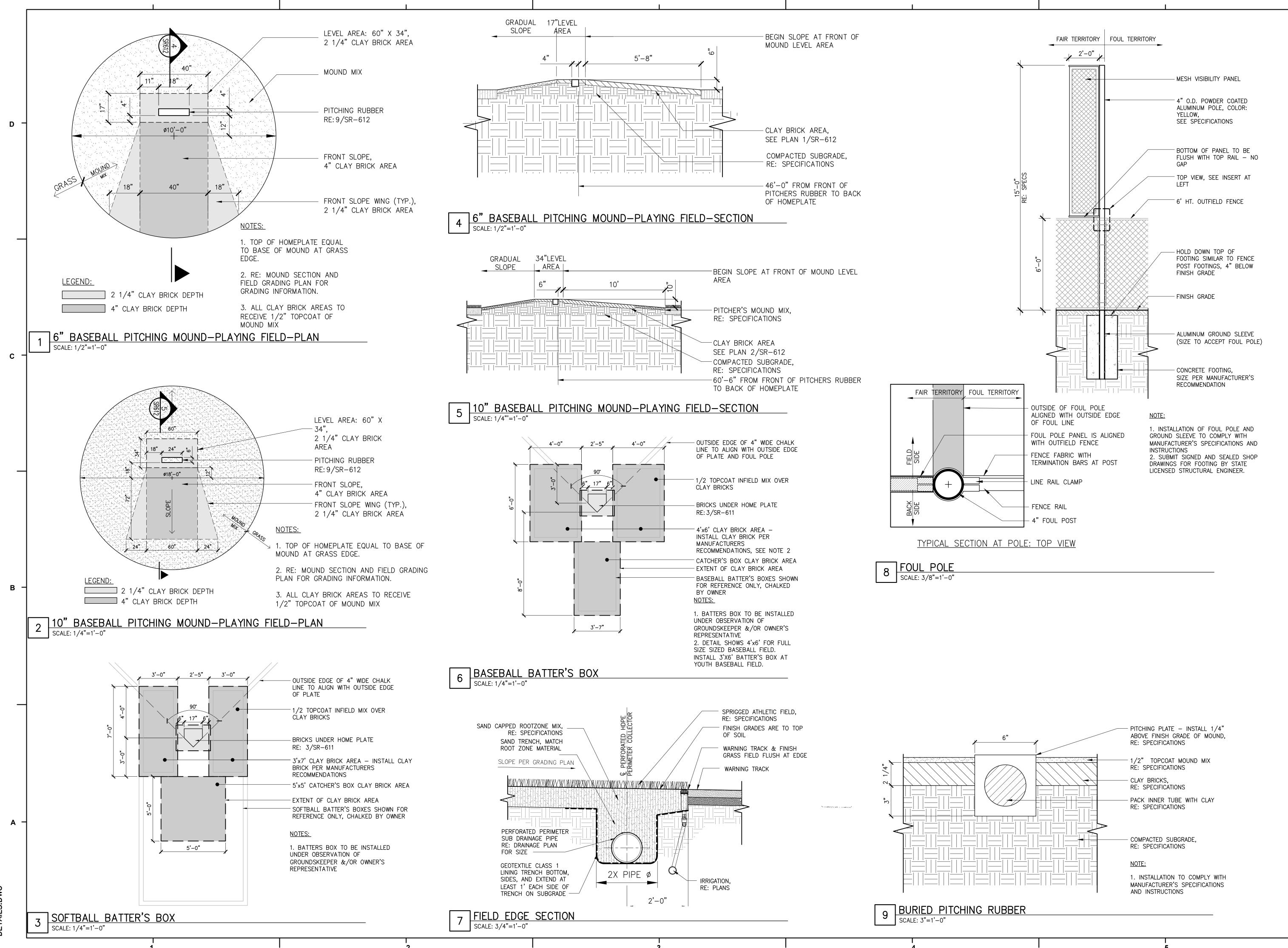


<form></form>	Automatic Irrigation Controller Retary Sprinkler – Full Circle – 65' radius, 23.6 gpm, 70 psi Rotary Sprinkler – Part Circle – 65' radius, 13.3 gpm, 70 psi Rotary Sprinkler – Part Circle – 65' radius, 17.8 gpm, 60 psi Rotary Sprinkler – Part Circle – 60' radius, 17.8 gpm, 60 psi Rotary Sprinkler – Part Circle – 60' radius, 9.2 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 14.3 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 14.3 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 2.0 gpm, 45 psi Multi Stream Rotary Sprinkler – Adjustable Arc – 14' radius, 0.21–0.86 gpm, 40 psi 1.5" Electric Valve 1" Cuick Coupling Valve Main Line Gate Valve Main Line Gate Valve Main Line Pipe Lateral Pipe Sleeve – 1–6" In Size for Pipe and 1–2" In Size for Pipe ANDE Size	ETIC
 C Sterry Springer - Part Gries - 65 rodus, 233 gpr. 70 ard Ratery Springer - Part Gries - 65 rodus, 323 gpr. 70 pi Ratery Springer - Part Gries - 65 rodus, 32 gpr. 60 pi Ratery Springer - Part Gries - 65 rodus, 32 gpr. 60 pi Ratery Springer - Part Gries - 65 rodus, 32 gpr. 60 pi Ratery Springer - Part Gries - 65 rodus, 32 gpr. 60 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 60 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 60 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 60 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 60 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 60 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 60 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 61 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 61 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 62 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 62 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 62 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 62 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 62 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 62 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 62 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 62 pi Ratery Springer - 10 gpr. 70 pi Ratery Springer - Part Gries - 65 rodus, 22 gpr. 62 pi Ratery Springer - 64 rodus, 22 gpr. 62 pi Ratery Springer - 64 rodus, 22 gpr. 62 pi Ratery Springer - 64 rodus, 22 gpr. 62 pi Ratery Springer - 64 rodus, 22 gpr. 62 pi Ratery Springer - 64 rodus, 22 gpr. 62 pi Ratery Springer - 64 rodus, 22 gpr. 62 pi Ratery Springer - 64 rodus, 22 gpr. 64 pi Ratery Springer - 64 rodus, 24 pi	Rotary Sprinkler – Full Circle – 65' radius, 23.6 gpm, 70 psi Rotary Sprinkler – Part Circle – 65' radius, 23.6 gpm, 70 psi Rotary Sprinkler – Part Circle – 65' radius, 13.3 gpm, 70 psi Rotary Sprinkler – Part Circle – 60' radius, 17.8 gpm, 60 psi Rotary Sprinkler – Part Circle – 60' radius, 17.8 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 14.3 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 14.3 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 0.21–0.86 gpm, 40 psi 1.5" Electric Valve 1" Clectric Valve	ETIC
Robry Sarriker - Fart Cite = - 65' rodus, 13.3 gen, 70 pd Robry Sarriker - Fart Cite = - 65' rodus, 2.2 gen, 60 pd Robry Sarriker - Fart Cite = - 65' rodus, 2.2 gen, 60 pd Robry Sarriker - Fart Cite = - 55' rodus, 2.3 gen, 60 pd Robry Sarriker - Fart Cite = - 55' rodus, 2.3 gen, 60 pd Robry Sarriker - Fart Cite = - 55' rodus, 2.3 gen, 60 pd Robry Sarriker - Fart Cite = - 45' rodus, 2.4 gen, 40 pd Robry Sarriker - 45' rodus, 2.5 gen, 40 pd Rob	Rotary Sprinkler – Part Circle – 65' radius, 13.3 gpm, 70 psi Rotary Sprinkler – Full Circle – 60' radius, 17.8 gpm, 60 psi Rotary Sprinkler – Part Circle – 60' radius, 9.2 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 14.3 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 14.3 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 2.0 gpm, 45 psi Multi Stream Rotary Sprinkler – Adjustable Arc – 14' radius, 0.21–0.86 gpm, 40 psi 1.5" Electric Valve 1" Electric Valve 1" Electric Valve Main Line Gate Valve Main Line Gate Valve Main Line Gate Valve Main Line Gate Valve Main Line Size for Pipe and 1-2" In Size for Pipe ANANAH, Georgia Size Savannah, Georgia	ETIC
Retry Spriker - Per Cred - 60' redue, 728 gen, 60 get Betry Spriker - Per Cred - 55' redue, 123 gen, 60 get Retry Spriker - Per Cred - 55' redue, 143 gen, 60 get Retry Spriker - Per Cred - 55' redue, 143 gen, 60 get Retry Spriker - Per Cred - 55' redue, 143 gen, 60 get Retry Spriker - Per Cred - 55' redue, 22 gen, 65 get Retry Spriker - Per Cred - 55' redue, 22 gen, 65 get Retry Spriker - Per Cred - 55' redue, 22 gen, 65 get Retry Spriker - Per Cred - 55' redue, 22 gen, 65 get Retry Spriker - Per Cred - 55' redue, 22 gen, 65 get Retry Spriker - Per Cred - 55' redue, 22 gen, 65 get Retry Spriker - Per Cred - 55' redue, 22 gen, 65 get Retry Spriker - Per Cred - 55' redue, 22 gen, 65 get Retry Spriker - Per Cred - 55' redue, 52 gen, 65 get Retry Spriker - Per Cred - 55' redue, 52 gen, 65 get Retry Spriker - Per Cred - 55' redue, 52 gen, 65 get Retry Spriker - Per Cred - 55' redue, 52 gen, 65 get Retry Spriker - Per Cred - 55' redue, 52 gen, 65 get Retry Spriker - Per Cred - 55' redue, 52 gen, 65 get Retry Spriker - Per Cred - 55' redue, 52 gen, 65 get Retry Spriker - Per Cred - 55' redue, 52 get Retry Retry Retry Retry Spriker - Per Cred - 55' redue, 52 get Retry Retry Spriker - Per Cred - 55' redue, 52 get Retry Ret	Rotary Sprinkler – Full Circle – 60' radius, 17.8 gpm, 60 psi Rotary Sprinkler – Part Circle – 60' radius, 17.8 gpm, 60 psi Rotary Sprinkler – Part Circle – 60' radius, 9.2 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 14.3 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 14.3 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 30' radius, 2.0 gpm, 45 psi Multi Stream Rotary Sprinkler – Adjustable Arc – 14' radius, 0.21–0.86 gpm, 40 psi 1.5" Electric Valve 1" Electric Valve 1" Electric Valve 1" Quick Coupling Valve Main Line Gate Valve Main Line Gate Valve Main Line Pipe Lateral Pipe Sleeve – 1–6" In Size for Pipe and 1–2" In Size for Wire VALVE SYMBOL VALVE SYMBOL VALVE SYMBOL 1.5" Electric Congress Street # VALVE SYMBOL 1.5" Electric Valve # VALVE SYMBOL 1.5" Electric Valve # VALVE SYMBOL	FΓIC
Industry Sprinter - Duri Care - 60' rectus, 22 gars, 60 pr Roby Sprinter - Duri Care - 65' rectus, 22 gars, 60 pr Roby Sprinter - Port Cire - 55' rectus, 123 gars, 60 pr Roby Sprinter - Port Cire - 55' rectus, 123 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 45' rectus, 75 gars, 60 pr Roby Sprinter - Port Cire - 10' rectus Vain Line Pipe Lobe Off Pipe Ind	Rotary Sprinkler – Part Circle – 60' radius, 17.8 gpm, 60 psi Rotary Sprinkler – Part Circle – 60' radius, 9.2 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 14.3 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 30' radius, 2.0 gpm, 45 psi Multi Stream Rotary Sprinkler – Adjustable Arc – 14' radius, 0.21–0.86 gpm, 40 psi 1.5" Electric Valve 1" Electric Valve 1" Electric Valve 1" Cuck Coupling Valve Main Line Pipe Lateral Pipe Sleeve – 1–6" In Size for Pipe and 1–2" In Size for Wire VALVE SYMBOL VALVE SYMBOL VALVE SYMBOL VALVE SYMBOL	Р
Retry Splittler – Part Cicle – 80' recurs, 82 gram, 60 grad Retry Splittler – Tull Cicle – 80' recurs, 73 gram, 60 grad Retry Splittler – Part Cicle – 20' recurs, 75 gram, 60 grad Retry Splittler – Part Cicle – 40' recurs, 75 gram, 60 grad Retry Splittler – Part Cicle – 40' recurs, 75 gram, 60 grad Retry Splittler – Part Cicle – 40' recurs, 75 gram, 60 grad Retry Splittler – Part Cicle – 40' recurs, 75 gram, 60 grad Retry Splittler – Part Cicle – 40' recurs, 75 gram, 60 grad Retry Splittler – Part Cicle – 40' recurs, 20 gram, 45 grad Retry Splittler – Part Cicle – 50' recurs, 20 gram, 45 grad Retry Splittler – Part Cicle – 50' recurs, 20 gram, 45 grad Retry Splittler – Part Cicle – 50' recurs, 20 gram, 45 grad Retry Splittler – Part Cicle – 50' recurs, 20 gram, 45 grad Retry Splittler – Part Cicle – 50' recurs, 20 gram, 45 grad Retry Splittler – Part Cicle – 50' recurs, 20 gram, 45 grad Retry Splittler – Part Cicle – 50' recurs, 20 gram, 45 grad Retry Splittler – Part Cicle – 50' recurs, 20 gram, 45 grad Retry Splittler – Part Splittler – Part Cicle – 50' recurs, 20 gram, 45 grad Retry Splittler – Part Splittler – Part Splittler – 100' recurs Retry Retry Splittler – Part Splittler – 100' recurs Retry Retry Splittler – Part Splittler – 100' recurs Retry Retry Retry Splittler – 100' recurs Retry Re	 Rotary Sprinkler – Part Circle – 60' radius, 9.2 gpm, 60 psi Rotary Sprinkler – Full Circle – 55' radius, 14.3 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 2.0 gpm, 45 psi Multi Stream Rotary Sprinkler – 14' radius, 0.21–0.86 gpm, 40 psi 1.5" Electric Valve 1" Quick Coupling Valve Main Line Gate Valve Main Line Pipe Lateral Pipe Sleeve – 1–6" In Size for Pipe and 1–2" In Size for Pipe and 1–2" In Size for Wire VALVE SYMBOL VALVE SYMBOL 21 WEST CONGRESS STREET 3 SAVANNAH, GEORGIA 34 TEL 912.695.2111 FAX 912. WWW.LS3P.COM 	P
Fordery Solvide - 10 Code - 55' Codes, 14.3 gpr. 60 pail Retury Solvide - For Code - 55' Codes, 7.5 gpr. 60 pail Retury Solvide - For Code - 55' Codes, 7.5 gpr. 60 pail Retury Solvide - For Code - 50' Codes, 7.5 gpr. 60 pail Retury Solvide - For Code - 50' Codes, 7.5 gpr. 60 pail Retury Solvide - For Code - 50' Codes, 7.5 gpr. 60 pail Retury Solvide - For Code - 50' Codes, 7.5 gpr. 60 pail Retury Solvide - For Code - 50' Codes, 7.5 gpr. 60 pail Retury Solvide - For Code - 50' Codes, 7.5 gpr. 60 pail Retury Solvide - For Code - 50' Codes, 7.5 gpr. 60 pail Retury Solvide - For Code - 50' Codes, 7.5 gpr. 60 pail retury Solvide - For Code - 50' Codes, 7.5 gpr. 60 pail retury Solvide - For Site for Pipe and retury Solvide - For Site for Pipe and retury Solvide - For Site for Pipe and retury Solvide - For Code - 50' Codes, 7.5 gpr. Val VF SYMBOL V	Rotary Sprinkler – Part Circle – 55' radius, 14.3 gpm, 60 psi Rotary Sprinkler – Part Circle – 55' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 30' radius, 2.0 gpm, 45 psi Multi Stream Rotary Sprinkler – Adjustable Arc – 14' radius, 0.21–0.86 gpm, 40 psi 1.5" Electric Valve 1" Electric Valve 1" Electric Valve 1" Electric Valve Main Line Gate Valve Main Line Pipe Lateral Pipe Sleeve – 1–6" In Size for Pipe and 1–2" In Size for Wire VALVE SYMBOL VALVE SYMBOL VALVE SYMBOL VALVE SYMBOL 1.5" Electric For Mire	P
Kotay Sonker - Part Chole - Sof radiu, 75 gan, 80 pai Rotay Sonker - End Chole - Sof radiu, 75 gan, 80 pai Rotay Sonker - Part Chole - Sof radiu, 22 gan, 45 pai Rotary Sonker - Part Chole - Sof radius, 22 gan, 45 pai Naji cate Area - 14" radius, 221-0.85 gan, 40 pai T Dubic caping was Main Line Ripe Julied File Soft File Val VE SWARDI Val VE SWARDI Soft File Soft File	 Rotary Sprinkler – Part Circle – 55' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Full Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 30' radius, 2.0 gpm, 45 psi Multi Stream Rotary Sprinkler – Adjustable Arc – 14' radius, 0.21–0.86 gpm, 40 psi 1.5" Electric Valve 1" Cuick Coupling Valve Main Line Gate Valve Main Line Pipe Lateral Pipe Sleeve – 1–6" In Size for Pipe and 1–2" In Size for Wire VALVE SYMBOL VALVE SYMBOL VALVE SYMBOL SIZE 	P
Rotory Sprinker - For Circle - 45' radius, 7.5 gpr., 60 piet Rotory Sprinker - Peri Circle - 45' radius, 2.6 gpr., 45 piet Rotory Sprinker - Peri Circle - 45' radius, 2.6 gpr., 45 piet I Startin Valve I Startin Valve I Cond. Coupling Valve Main line Gare Valve VALVE SYMBOL	Rotary Sprinkler – Full Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 45' radius, 7.5 gpm, 60 psi Rotary Sprinkler – Part Circle – 30' radius, 2.0 gpm, 45 psi Multi Stream Rotary Sprinkler – Adjustable Arc – 14' radius, 0.21–0.86 gpm, 40 psi 1.5" Electric Valve 1" Electric Valve 1" Quick Coupling Valve Main Line Gate Valve Main Line Gate Valve Main Line Pipe Lateral Pipe Sleeve – 1–6" In Size for Pipe and 1–2" In Size for Wire VALVE SYMBOL VALVE SYMBOL VALVE SYMBOL VALVE SYMBOL VALVE STATE SIZE Network Size Network Size Netw	P
Rotury Sprinkler - Rott Crobe - 30° radius, 2.0 gpm, 45 per • Adjutuble - No - 11° radius, 2.2 - 0.86 gpm, 46 per • Til Becrite Vale • Til Becrite Vale • Til Becrite Vale • Main Line Ripe • Laterid Pipe • Laterid Pipe • Wain Line Ripe • User STARDI • Wait Strom Reset • Strom Reset • Wait Strom Reset <td< td=""><td>Rotary Sprinkler – Part Circle – 30' radius, 2.0 gpm, 45 psi Multi Stream Rotary Sprinkler – Adjustable Arc – 14' radius, 0.21–0.86 gpm, 40 psi 1.5" Electric Valve 1" Electric Valve 1" Electric Valve Main Line Gate Valve Main Line Pipe Lateral Pipe Sleeve – 1–6" In Size for Pipe and 1–2" In Size for Wire VALVE SYMBOL VALVE SYMBOL VALVE CONGRESS STREET S SAVANNAH, GEORGIA 314 TEL. 912:695.211 FAX 912. WWW.LS3P.COM</td><td>P</td></td<>	Rotary Sprinkler – Part Circle – 30' radius, 2.0 gpm, 45 psi Multi Stream Rotary Sprinkler – Adjustable Arc – 14' radius, 0.21–0.86 gpm, 40 psi 1.5" Electric Valve 1" Electric Valve 1" Electric Valve Main Line Gate Valve Main Line Pipe Lateral Pipe Sleeve – 1–6" In Size for Pipe and 1–2" In Size for Wire VALVE SYMBOL VALVE SYMBOL VALVE CONGRESS STREET S SAVANNAH, GEORGIA 314 TEL. 912:695.211 FAX 912. WWW.LS3P.COM	P
 Build Stream Rotary Socialer Adjustive Are - 14⁺ radius, 0.21-0.86 gpm, 40 pcl I.5⁺ Electric Value I. Outor Sociality Wile Mich Line Gold Vave Mich Line	Multi Stream Rotary Sprinkler - Adjustable Arc - 14' radius, 0.21-0.86 gpm, 40 psi 1.5" Electric Valve 1" Electric Valve 1" Quick Coupling Valve Main Line Gate Valve Main Line Gate Valve Main Line Pipe Lateral Pipe Sleeve - 1-6" In Size for Pipe and 1-2" In Size for Wire VALVE SYMBOL VALVE SYMBOL VALVE SYMBOL VALVE - $5^{+}_{-5}^{-}_{-5}^{-}_{-5}^{-}_{-}_{-5}^{-}_{-}_{-}_{-}_{-}_{-}_{-}_{-}_{-}_{-}_$	P
- Adjustable Are - 14' rocius, 321-0.66 gpm, 40 pc* • 15' Electric Valve • 17' Classifie Valve • 18' Classifie Valve • 19' Classifie	 Adjustable Arc - 14' radius, 0.21-0.86 gpm, 40 psi 1.5" Electric Valve 1" Quick Coupling Valve Main Line Gate Valve Main Line Pipe Lateral Pipe Sleeve - 1-6" In Size for Pipe and 1-2" In Size for Wire VALVE SYMBOL 321 WEST CONGRESS STREET S SAVANNAH, GEORGIA 314 TEL. 912.695.2111 FAX 912. WWW.LS3P.COM 	P
	$ \begin{array}{c} \bullet & 1^{\circ} \text{ Electric Valve} \\ \bullet & 1^{\circ} \text{ Quick Coupling Valve} \\ \bullet & \text{Main Line Gate Valve} \\ \hline & \text{Main Line Pipe} \\ \hline & \text{Lateral Pipe} \\ \hline & \text{Lateral Pipe} \\ \hline & \text{Sleeve } - & 1 - 6^{\circ} \text{ In Size for Pipe and} \\ 1 - 2^{\circ} \text{ In Size for Wire} \\ \hline & \text{VALVE SYMBOL} \\ \hline & \text{VALVE SYMBOL} \\ \hline & \text{VALVE Concrete #} \\ \hline & \text{VALVE Concrete #}$	P
	$\frac{1}{4} \text{Main Line Gate Valve}}{\text{Main Line Gate Valve}}$ $\frac{1}{4} \text{Main Line Pipe}}{\text{Lateral Pipe}}$ $\frac{1}{4} \text{Lateral Pipe}}{\text{Sleeve} - 1 - 6^{"} \text{ In Size for Pipe and}}{1 - 2^{"} \text{ In Size for Wire}}$ $\frac{1}{4} \text{VALVE SYMBOL}}{\frac{1}{4} \text{VALVE SYMBOL}}$ $\frac{1}{4} \text{VALVE SYMBOL}}{\frac{1}{4} \text{VALVE} \text{Slze}} \text{Congress Street shown, Georgia 314}}{\frac{1}{4} \text{TeL. 912.695.2111}} \text{FAX 912.}}{\text{WWW.LS3P.com}}$	P
	Main Line Gate Valve Main Line Pipe Lateral Pipe Sleeve - 1-6" In Size for Pipe and 1-2" In Size for Wire VALVE SYMBOL VALVE SYMBOL VALVE - 0.5"56 GPM VALVE - 0.5"56 GPM VALVE - 0.5"56 GPM	Γ
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	1-2" In Size for Wire VALVE SYMBOL 321 WEST CONGRESS STREET SAVANNAH, GEORGIA 314 TEL. 912.695.2111 FAX 912. WWW.LS3P.COM	
	A 1 ZONE # VALVE A 1 VALVE 1.5" 56 GPM 321 WEST CONGRESS STREET S SAVANNAH, GEORGIA 314 TEL. 912.695.2111 FAX 912. WWW.LS3P.COM	
	A 1 LONE // VALVE U.5" 56 GPM SIZE TEL. 912.695.2111 FAX 912. WWW.LS3P.COM	
	SIZE	
<image/>	SEE SR-617-618 FOR IRRIGATION SYSTEM DETAILS.	
	CK N. GRANT	
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SAVANNAH-CHATHAM COUNTY PUBLIC SCHOOL SYSTEM SCCPSS **RFP C24-01 GROVES ATHLETIC** FIELDS & FIELDHOUSE 321 WEST CONGRESS STREET SUITE 301 SAVANNAH, GEORGIA 31401 TEL. 912.695.2111 FAX 912.298.0206 WWW.LS3P.COM 7 East Congress Street, Suite 306 Savannah, GA 31401 912.721.6999 • www.chacompanies.com No/26690/ PROFESSION MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS COPYRIGHT 2023 ALL RIGHTS RESERVED PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM LS3P ASSOCIATES LTD. **REVISIONS:** Date Description 5201-192070 PROJECT:

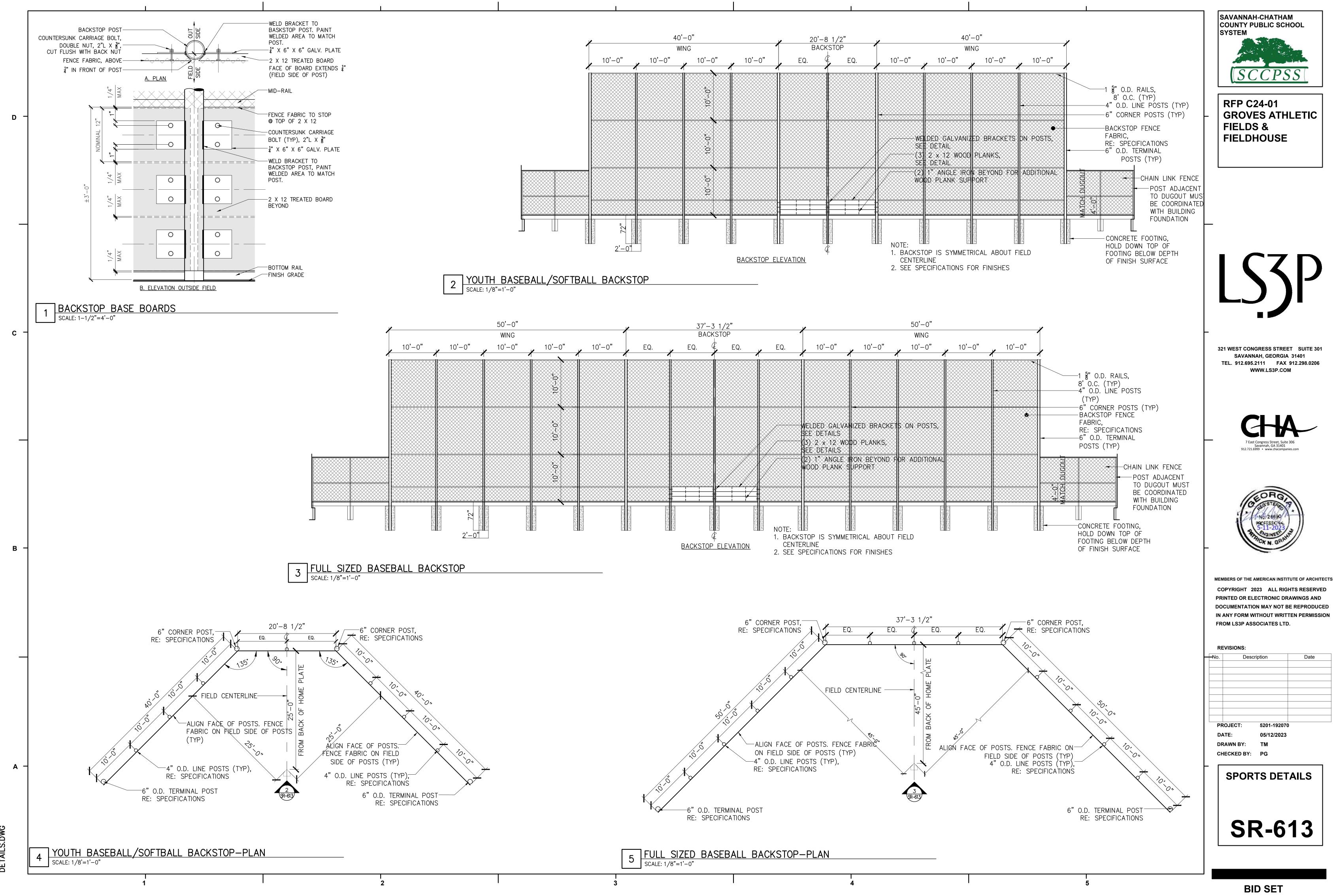
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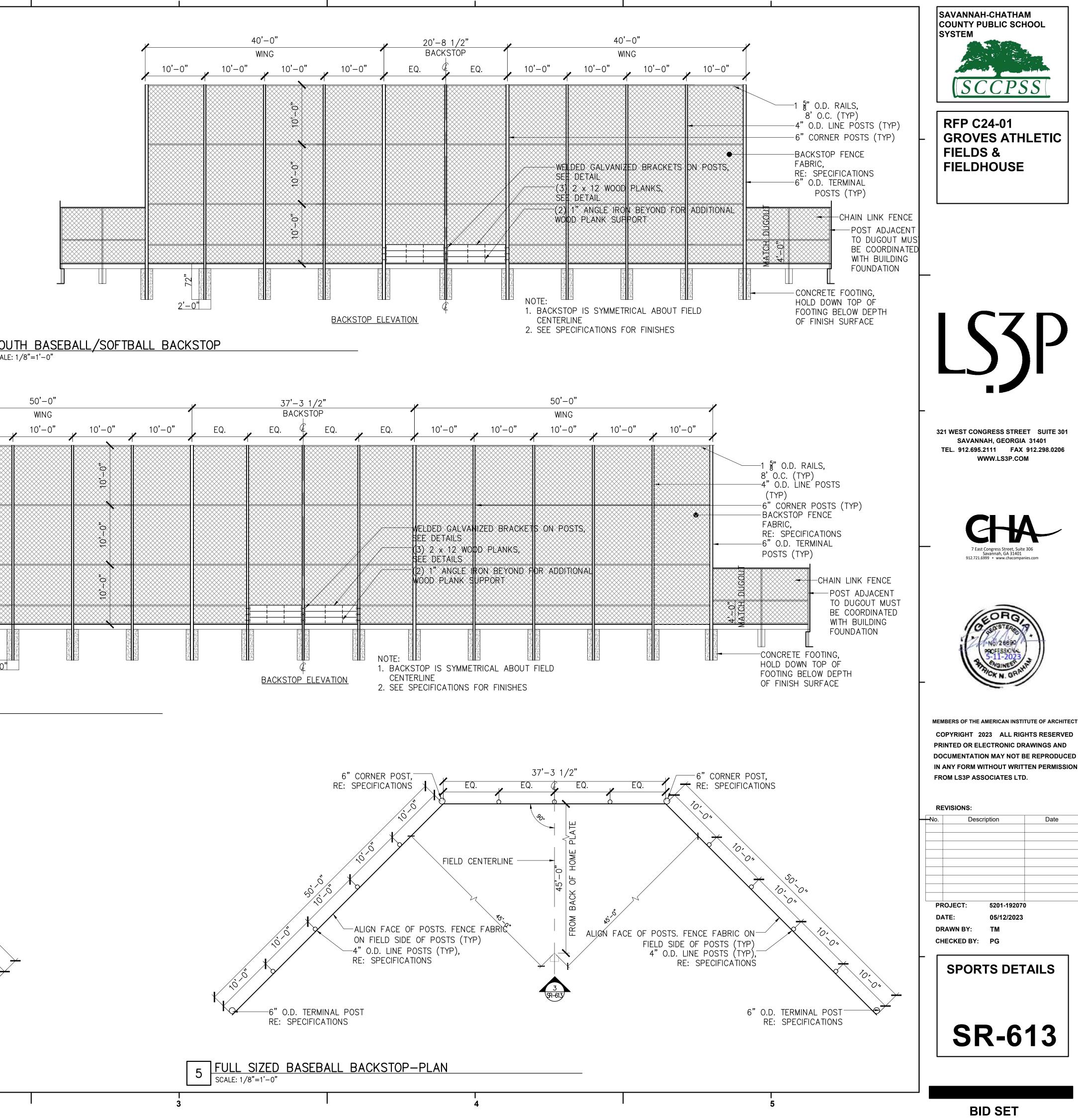
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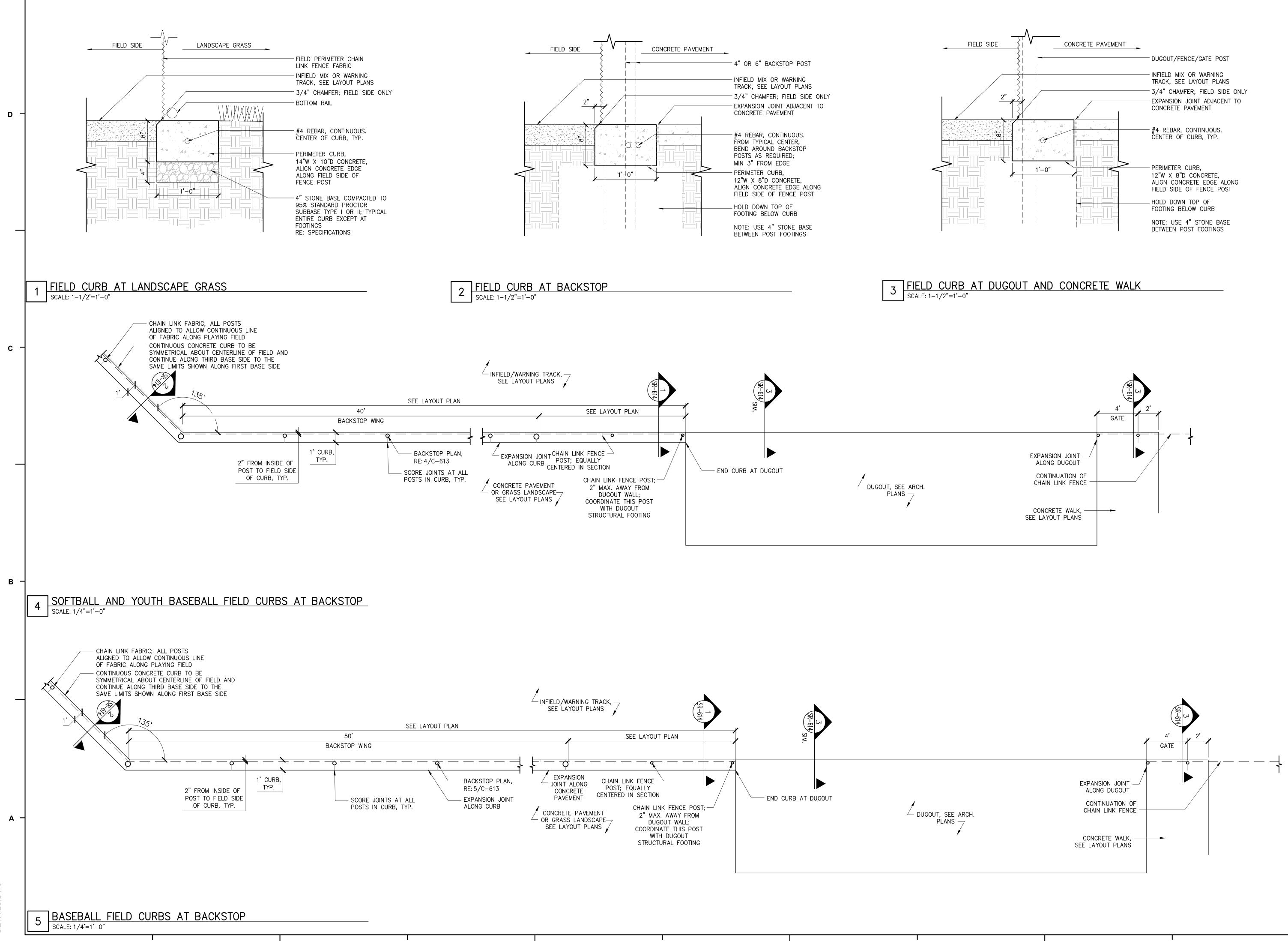
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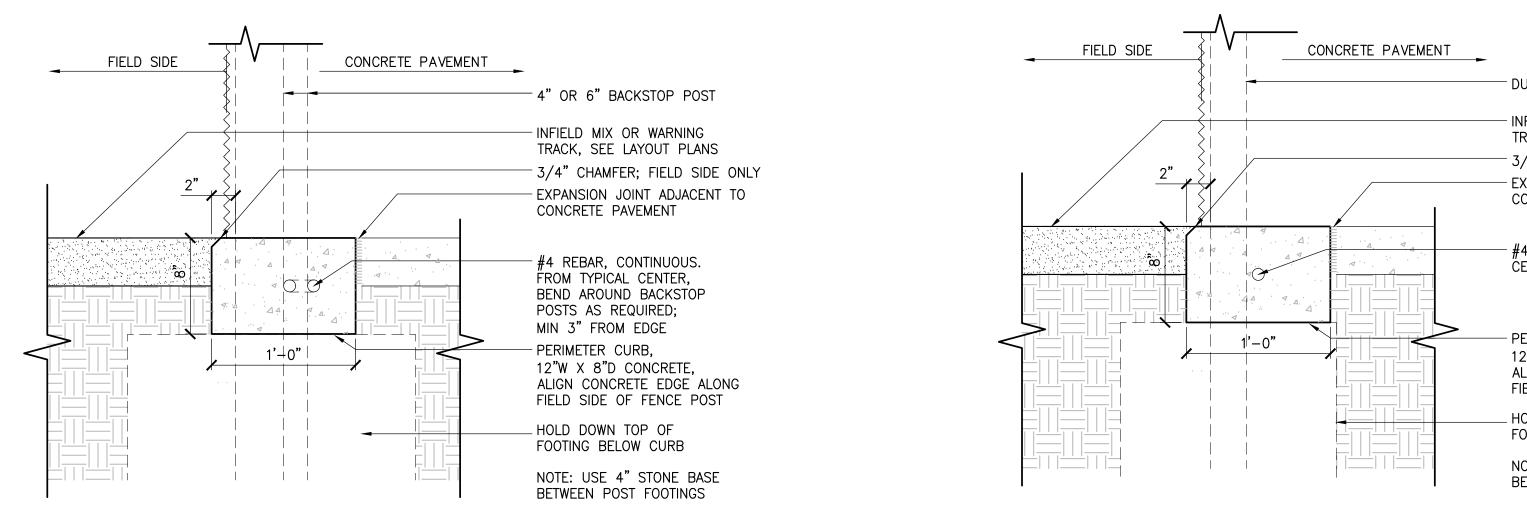


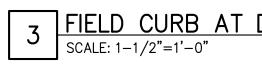
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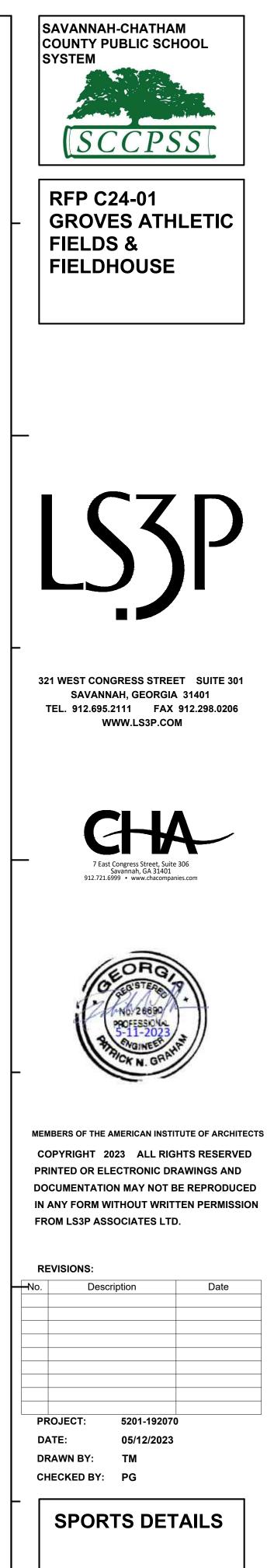




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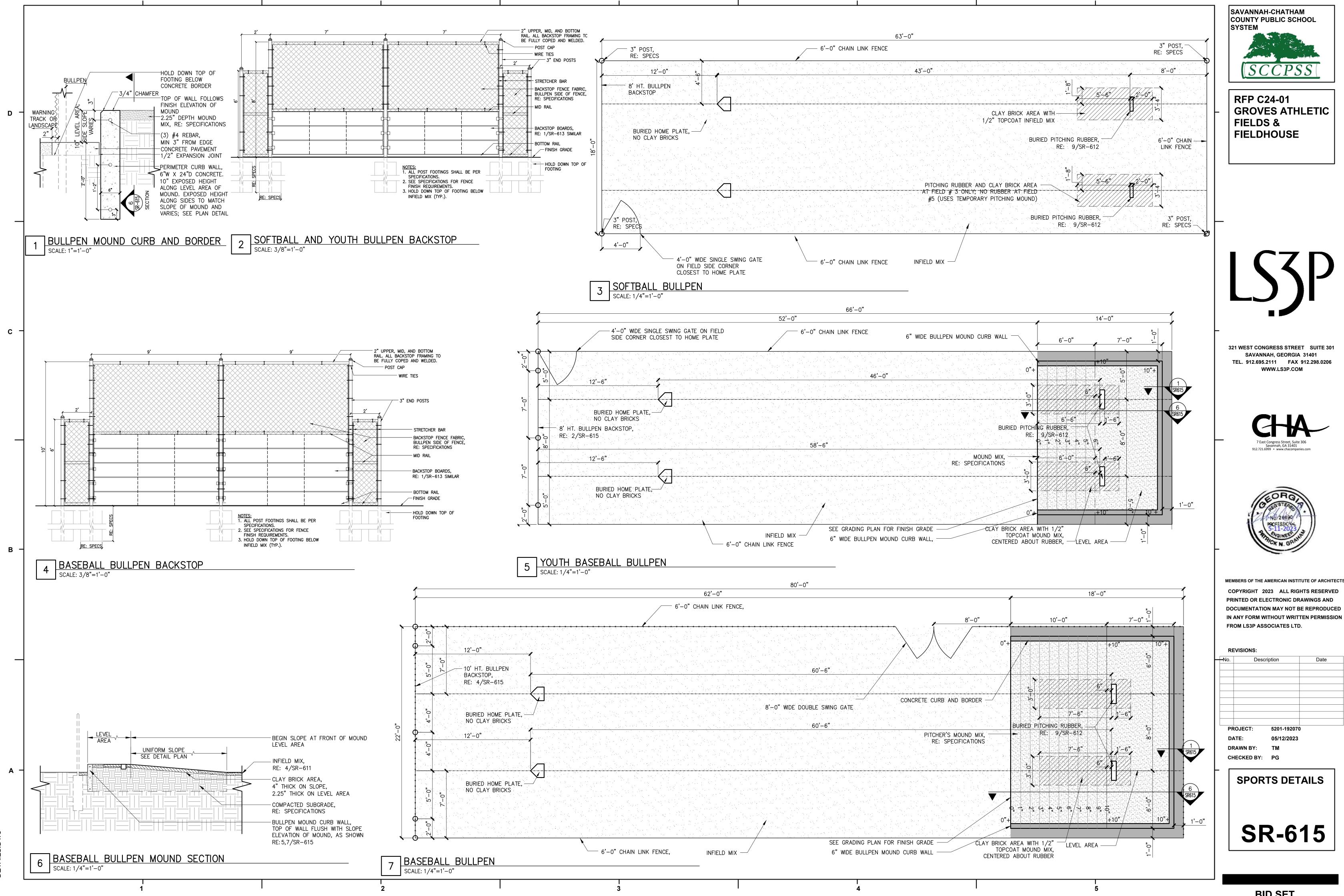






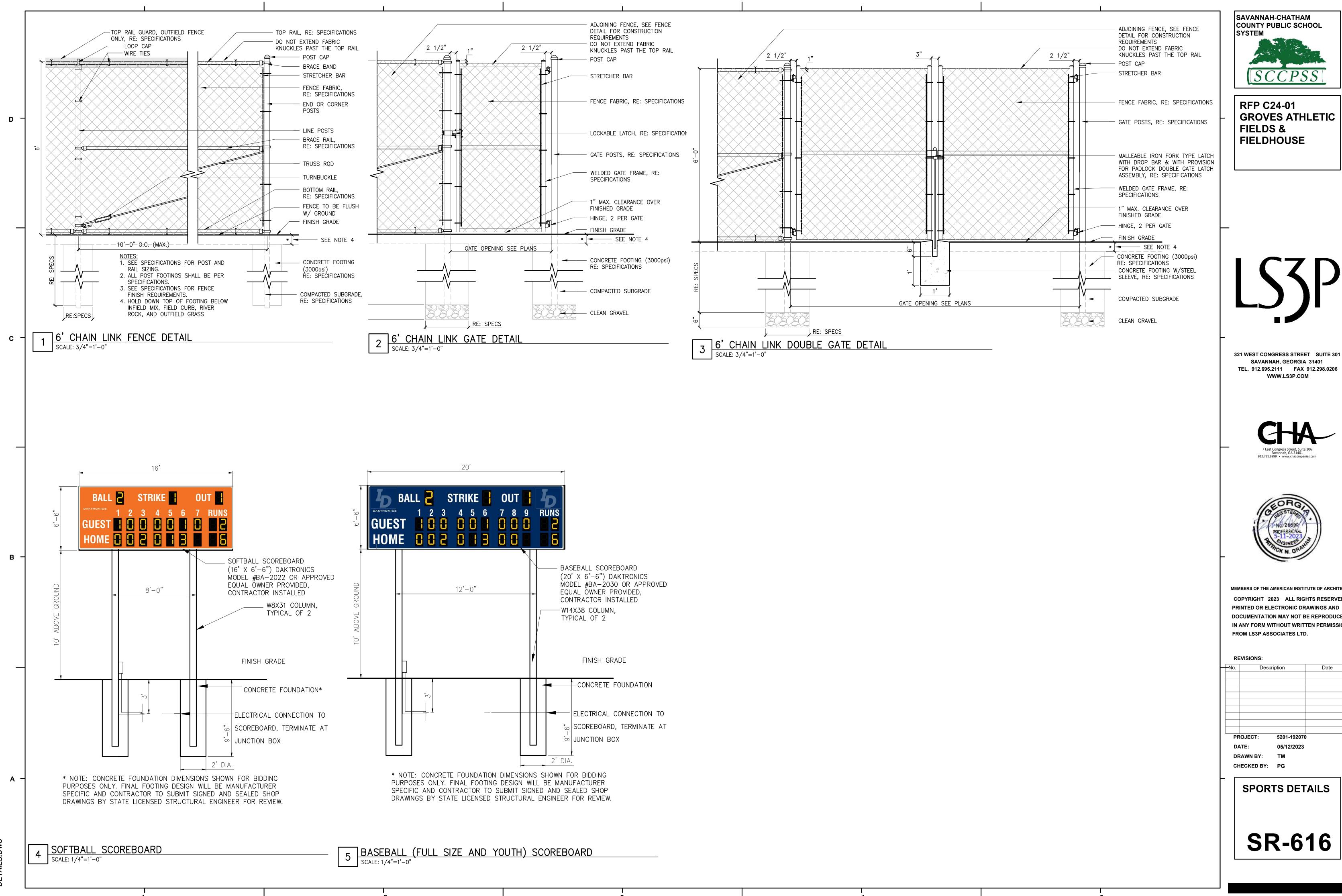
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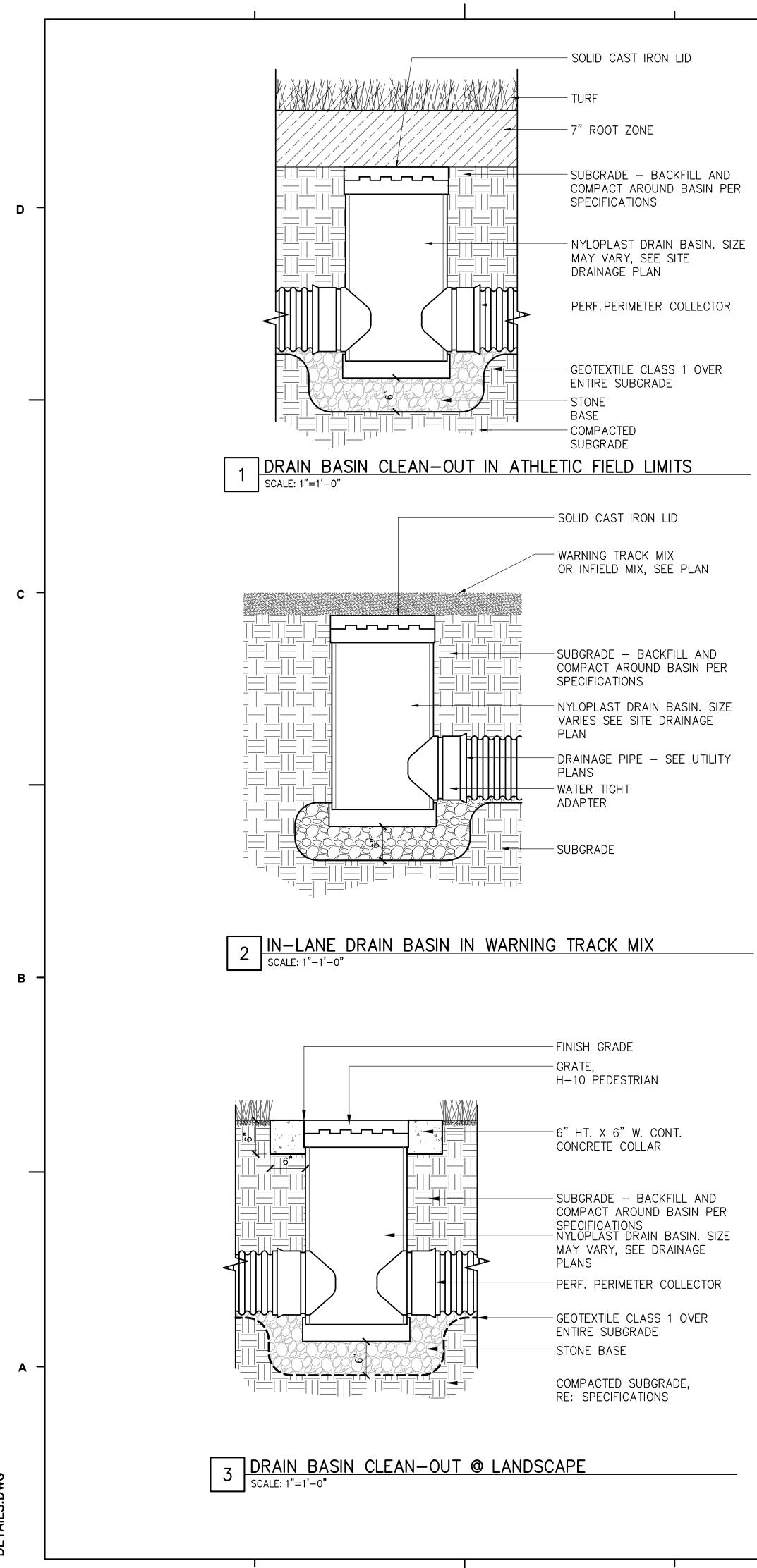
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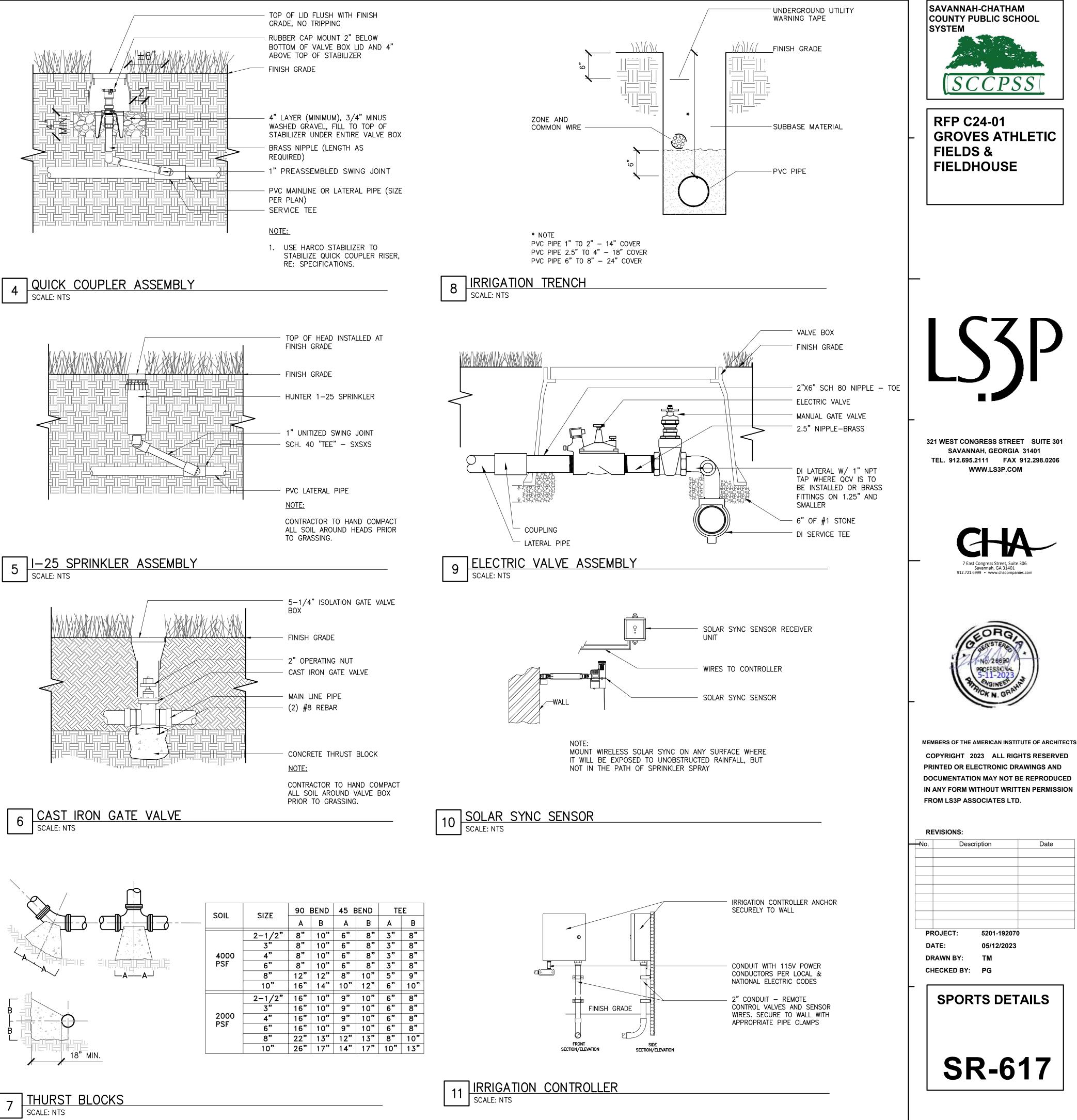
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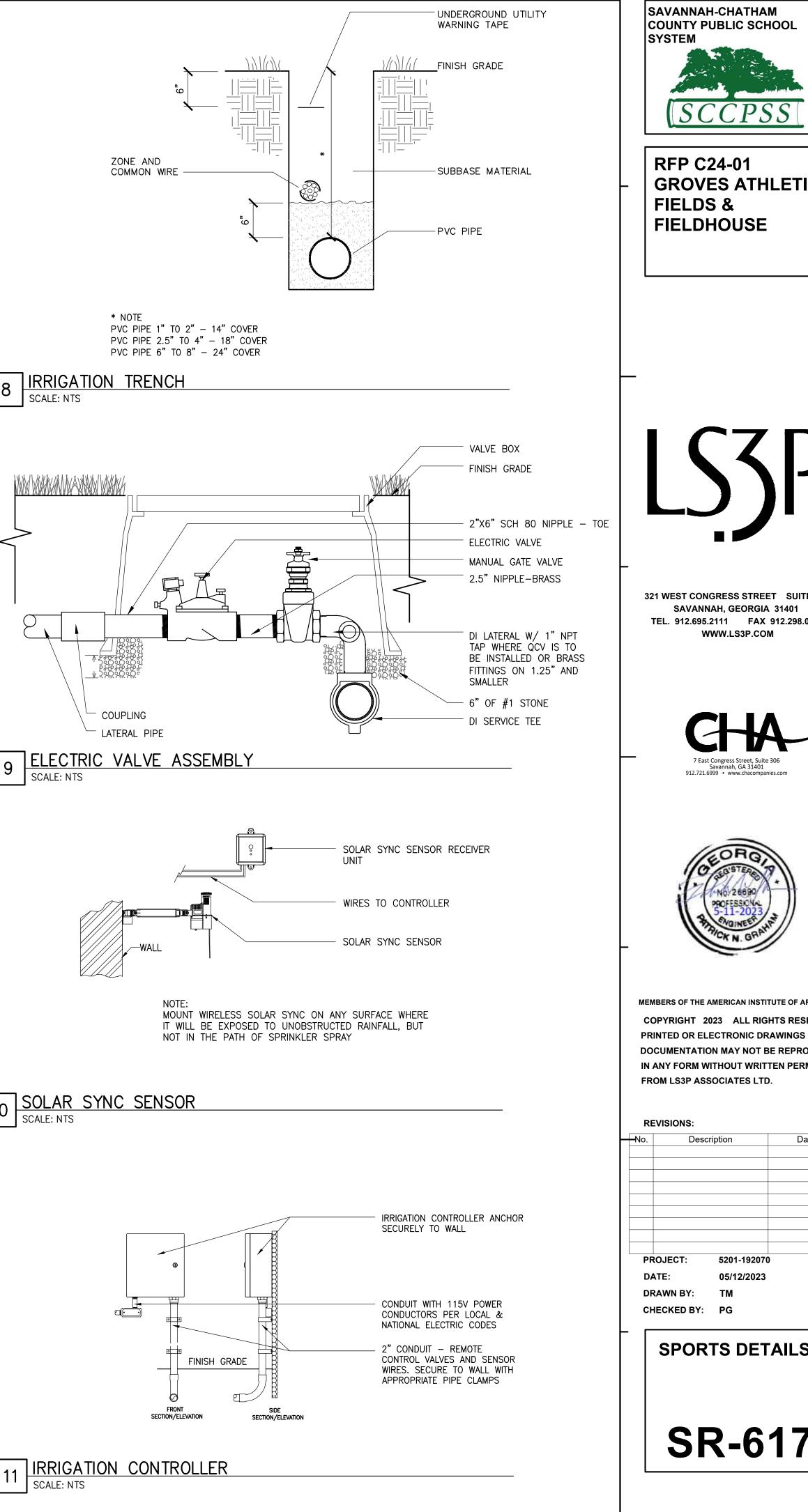


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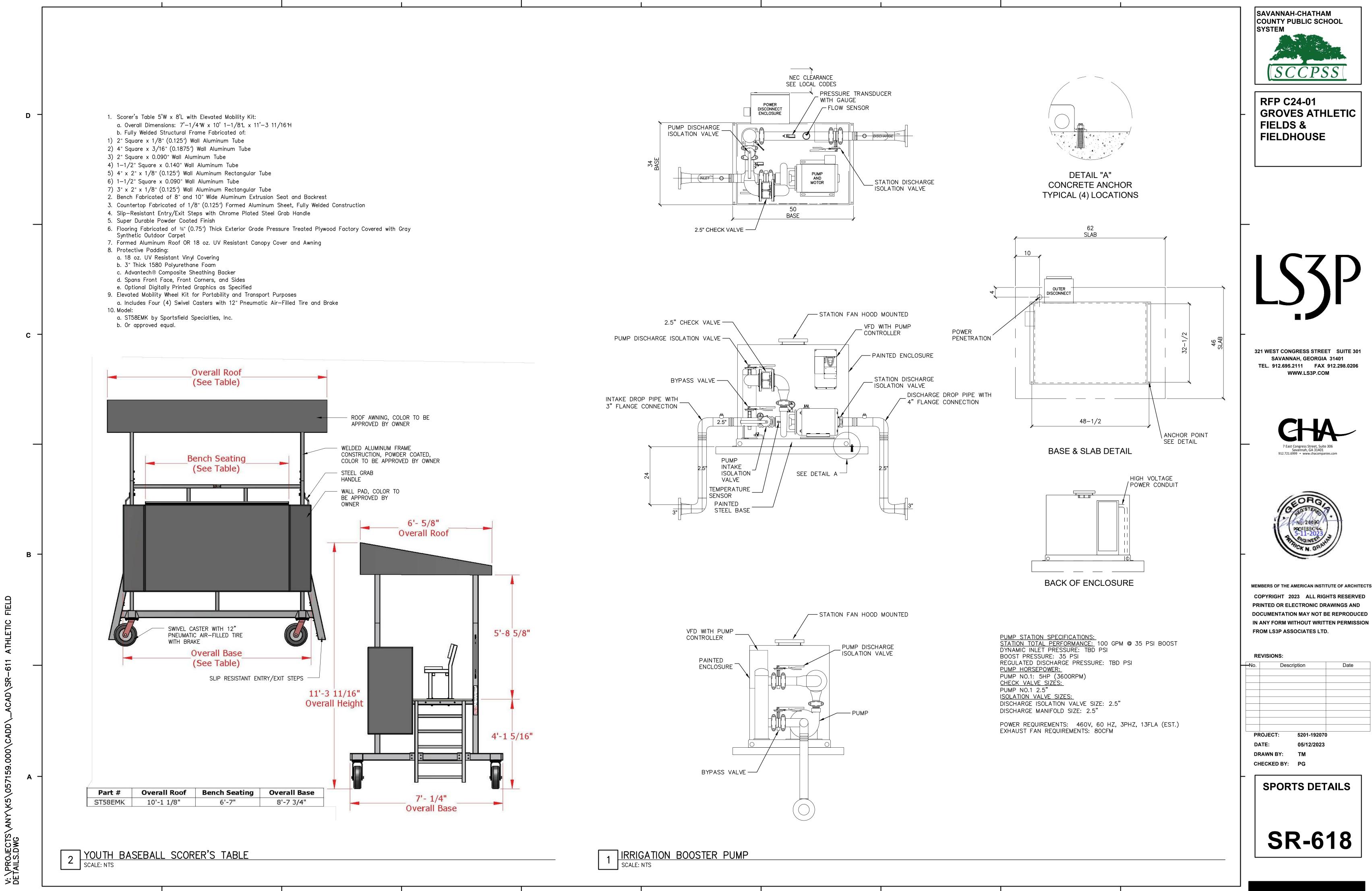
No.	Descr	iption	Date		
P	ROJECT:	5201-19207	D		
D	ATE:	05/12/2023			
D	RAWN BY:	ТМ			
С	HECKED BY:	PG			
_					
-	SPORTS DETAILS				







BID SET



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	A AC AF	ABBREVIATIONS AMPERE ALTERNATING CURRENT AMPERE FRAME	RACEWAYS ————————————————————————————————————
	AFF/G AIC AT AUX A/V AWG	ABOVE FINISHED FLOOR/GRADE AMPERE INTERRUPTING CAPACITY AMPERE TRIP AUXILIARY AUDIBLE/VISUAL AMERICAN WIRE GAUGE	CONDUIT TURNING DOWN PP-1 HOMERUN BACK TO PANEL (PANEL AND CIRCUITS INDICATED) CIRCUIT CONTINUED OR CONNECTED TO EQUIPMENT AS INDICATED
D -	BB BCW BATT BTM BKR	BACKBOARD BARE COPPER WIRE BATTERY BOTTOM BREAKER	UNDERGROUND CONDUIT GROUND CONDUCTOR
b	BLDG C CAB CB CIR CKT € CO COMM CONN	BUILDING CONDUIT CABINET CIRCUIT BREAKER CIRCUIT CIRCUIT CENTER LINE COMPANY COMMUNICATIONS CONNECTION, CONNECT	GROUNDING CONDUCTOR TERMINATION POINT AT SERVICE EQUIPMENT
	CU CU D DET DIA DISC DIST DIV DN DWG	DELTA CONNECTION DEEP DETECTOR DIAMETER DISCONNECT DISTRIBUTION DIVISION DOWN DRAWING	
	EA EL ELEC EMER ENCL EQUIP EWC EXT	EACH ELEVATION ELECTRIC(AL) EMERGENCY ENCLOSURE EQUIPMENT ELECTRIC WATER COOLER EXTERIOR	ONE LINE DIAGRAMS
c -	F FA FACP FC FIXT FLR FLUOR	FUSE(D) FIRE ALARM FIRE ALARM CONTROL PANEL FOOTCANDLES FIXTURE FLOOR FLUORESCENT	AMPS FRAME
	FT FUT G, GND GALV GC	FOOT (FEET) FUTURE GROUND GALVANIZE(D) GENERAL CONTRACTOR	SAFETY DISCONNECT SWITCH - UNFUSED
	GFI GFP HD HGT HID	GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT PROTECTION HEAVY DUTY HEIGHT HIGH INTENSITY DISCHARGE	CROSSING OF CONDUCTORS NOT CONNECTED
_	HTR HV HW ID INCAND	HEATER HIGH VOLTAGE HOT WATER IDENTIFY, IDENTIFICATION INCANDESCENT	NORMALLY CLOSED CONTACT/RELAY CURRENT TRANSFORMER FUSE
	J–BOX J.C. JCT KCM/Kcmil KVA KW LGT LT(S)	JUNCTION BOX JANITOR CLOSET JUNCTION THOUSAND CIRCULAR MILS KILO VOLT AMPERE KILOWATT LIGHTING LIGHT(S)	Image: Tost Time relay Image: Time relay Image: Time relay Image: Time relay Image: Circuit tag refer to conduit and conductor schedule Image: Time relay Image: Circuit tag refer to conduit and conductor schedule Image: Time relay Image: Circuit tag refer to conduit and conductor schedule Image: Time relay Image: Circuit tag refer to conduit and conductor schedule Image: Time relay Image: Circuit tag refer to conduit and conductor schedule Image: Time relay Image: Circuit tag refer to conduit and conductor schedule Image: Time relay Image: Circuit tag refer to conduit and conductor schedule Image: Time relay Image: Circuit tag refer to conduit and conductor schedule Image: Time relay Image: Circuit tag refer to conduit and conductor schedule Image: Time relay Image: Circuit tag refer to conduct and conductor schedule Image: Time relay Image: Circuit tag refer to conduct and conductor schedule Image: Time relay Image: Circuit tag refer to conduct and conductor schedule Image: Time relay Image: Circuit tag refer to conduct and conduct and conductor schedule Image: Time relay Image: Circuit tag refer to conduct and con
в —	LED L MAX MCB MC MFR MECH MIN MLO	LIGHT EMITTING DIODE LOUVER MAXIMUM MAIN CIRCUIT BREAKER METAL CLAD CABLE MANUFACTURER MECHANICAL MINIMUM MAIN LUGS ONLY	METER ASSEMBLY POTENTIAL TRANSFORMER
	MT MTD MTR N NEC NF NL	MOUNT MOUNTED MOTOR NORTH NATIONAL ELECTRICAL CODE NON-FUSED NIGHT LIGHT	INDICATES EQUIPMENT ENCLOSURE
	No/# OC OL PA PNL PR	NUMBER OVER COUNTER OVERLOAD POLE(S) PUBLIC ADDRESS PANEL PAIR	
	PRI PWR Ø PT RECEPT RGS	PRIMARY POWER PHASE PRESSURE TREATED RECEPTACLE RIGID GALVANIZED STEEL	GENERAL Image: With the state of the state o
	RM SEC SH SPKR SW	ROOM SECONDARY SHIELDED SPEAKER SWITCH	CODED NOTE WITH THE MATCHING NUMBER X DETAIL CALLOUT GENERAL NOTES
A -	TEMP T-STAT TB TYP UH	TEMPORARY/TEMPERATURE THERMOSTAT TERMINAL BOARD TYPICAL UNIT HEATER	 REFER TO CIVIL DRAWINGS FOR SYMBOLS ASSOCIATED WITH WORK, EQUIPMENT, ETC. BY OTHER(S). ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE BY THE ELECTRICAL CONTRACT UNLESS OTHERWISE INDICATED.
Σ	UON V VA W	UNLESS OTHERWISE NOTED VOLT, VOLTS VOLT-AMPERES WATT, WIRE	 CONDUIT RUNS SHOWN ARE DIAGRAMMATIC UON. EXACT LOCATION OF ALL CONDUIT RUNS SHALL BE DETERMINED IN THE FIELD. COORDINATE INSTALLATIONS AND AVOID CONFLICT WITH PIPING, DUCTWORK, ACCESS DOORS AND WORK BY OTHER TRADES. GENERAL NOTES APPLY TO ALL ELECTRICAL CONTRACT DRAWINGS.
	W/ WP XFMR/T Ƴ	WITH WEATHERPROOF TRANSFORMER WYE CONNECTION	

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DEVICES AND APPURTENANCES

TOGGLE SWITCH \$_M ₽₩₽

DUPLEX RECEPTACLE

GROUND ROD 5/8" X 10'-0" COPPER CLAD

JJ JUNCTION BOX НН Е

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HANDHOLE, 'E' INDICATED DEDICATED FOR EMERGENCY

SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 208/120V, 3Ø, 4W, UON RECESSED BRANCH CIRCUIT PANELBOARD 208/120V, 30, 4W, UON 77777 SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 480/277V, 3Ø, 4W, UON RECESSED BRANCH CIRCUIT PANELBOARD 480/277V, 3ø, 4W, UON DISTRIBUTION PANEL 30/3 ロ NON-FUSED SAFETY SWITCH DISCONNECT RATING/POLES $\mathbf{X}^{30/3/15}$ fusible safety switch disconnect rating/poles/fuse rating ШШ MM TRANSFORMER ELECTRIC MOTOR (DESIGNATION INDICATED) NUMBER INDICATES HORSEPOWER \boxtimes MOTOR STARTER ⊠' COMBINATION MOTOR STARTER CR CONTROL RELAY PANEL MANUAL STARTER WITH OVERLOAD RELAY, POLES AND VOLTAGE AS REQUIRED VSD VARIABLE SPEED DRIVE VSD VARIAL SPEED DRIVE WITH INTEGRAL DISCONNECT SWITCH

POWER DISTRIBUTION EQUIPMENT

ATCHING NUMBERED

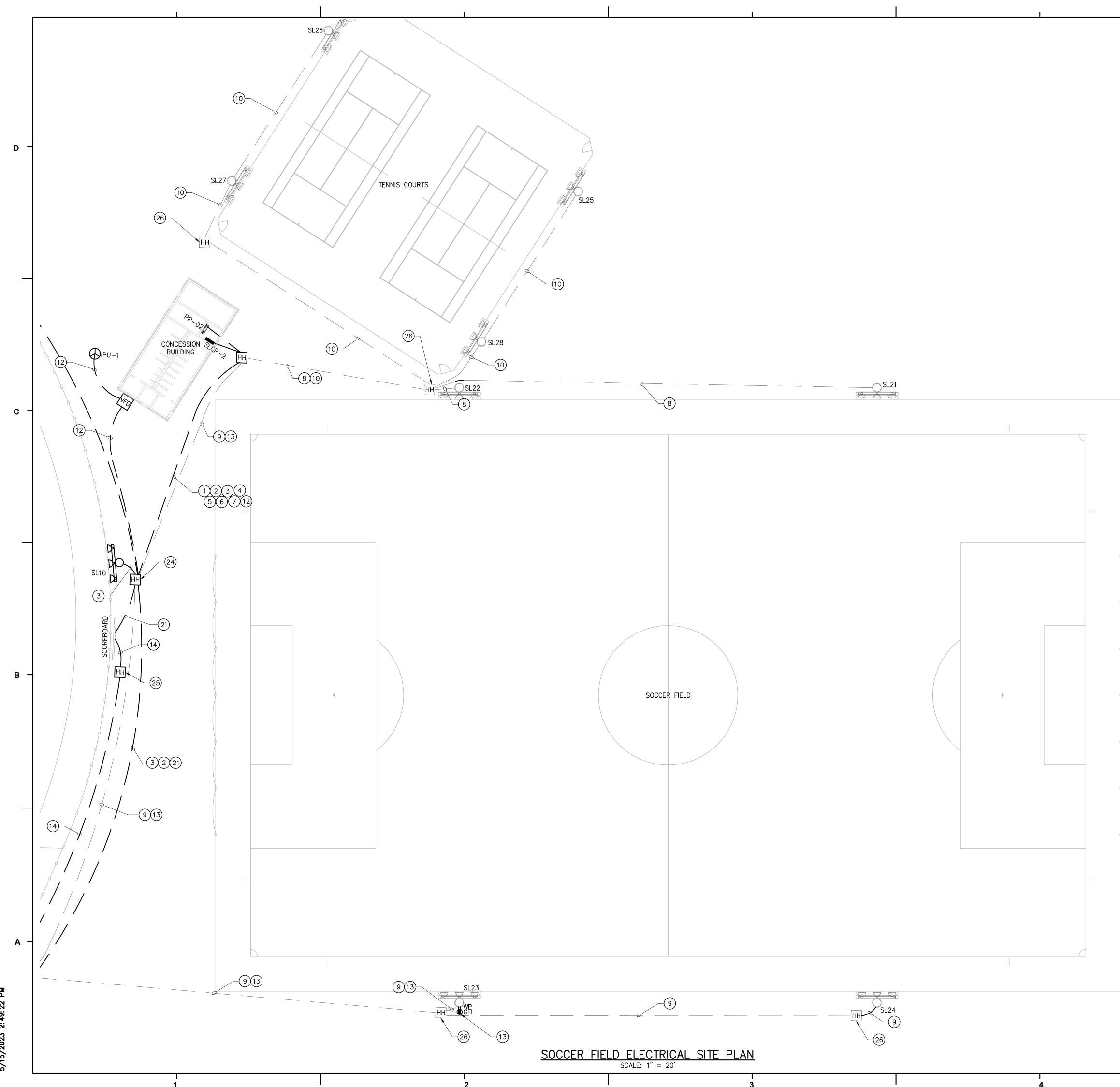
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REVISIONS: Date Description No 5201-192070 PROJECT: DATE: 06/09/2026 DRAWN BY: JRH CHECKED BY: JJD ELECTRICAL

LEGEND, **ABREVIATIONS &** SYMBOLS **SE-001**



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	GENERAL NOTES	SAVANNAH-CHATHAM
	1. SPORT LIGHTING POLES "SL" ARE PROVIDED BY	COUNTY PUBLIC SCHO
	THE OWNER. 2. CONDUITS ARE RGS ABOVE GROUND, OR PVC TYPE	
	40 BELOW GROUND, UNLESS OTHERWISE NOTED. 3. CODED NOTES 8, 9, 10, 13, AND 26 TO BE BID AS	
	"ADD ALTERNATE".	ISCCPS
	CODED NOTES	
	PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL5 AND SL6.	RFP C24-01
	PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL7 AND SL8.	- GROVES ATHL
	$\overline{(3)}$ PROVIDE (1) 1" CONDUIT WITH (3)#10 AND (1)#10G	FIELDS &
	\frown FOR LIGHT POLES SL9 AND SLID. (A) PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G	FIELDHOUSE
	• FUR LIGHT PULES SLIT AND SLIG.	
	FOR LIGHT POLES SL12, SL13, SL14, AND SL15.	
	6 PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL17 AND SL20.	
	PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL18 AND SL19.	
	8 EXISTING (1) 1" CONDUIT WITH (3)#6 AND (1)#6G FOR LIGHT POLES SL21 AND SL22, PROVIDED UNDER	
	DIFFERENT CONTRACT. BRANCH CIRCUITS ARE COILED IN HANDHOLE ADJACENT TO CONCESSION	
	BUILDING. CIRCUITS TO BE EXTENDED FROM HANDHOLE INTO BUILDING.	
	G EXISTING (1) 1" CONDUIT WITH (3)#8 AND (1)#8G	
	DIFFERENT CONTRACT. BRANCH CIRCUITS ARE	
	COILED IN HANDHOLE ADJACENT TO CONCESSION BUILDING. CIRCUITS TO BE EXTENDED FROM	
	HANDHOLE INTO BUILDING. (10) EXISTING (1) 1" CONDUIT WITH (3)#8 AND (1)#8G	
	FOR LIGHT POLES SL25, SL26, SL27, AND SL28, PROVIDED UNDER DIFFERENT CONTRACT. BRANCH	
	CIRCUITS ARE COILED IN HANDHOLE ADJACENT TO CONCESSION BUILDING. CIRCUITS TO BE EXTENDED	
	FROM HANDHOLE INTO BUILDING.	
	(11) NOTE NOT USED.	-
	$\begin{array}{c} 12 \\ \hline 12$	321 WEST CONGRESS STREET
	13 EXISTING (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR CONVINCE RECEPT AT SOCCER FIELD. TO BE	SAVANNAH, GEORGIA 3 TEL. 912.695.2111 FAX 91
	INSTALLED ON POLE SL23 18" ABOVE GRADE. PROVIDED UNDER DIFFERENT CONTRACT. BRANCH	WWW.LS3P.COM
	CIRCUITS ARE COILED IN HANDHOLE ADJACENT TO CONCESSION BUILDING. CIRCUITS TO BE EXTENDED	
	FROM HANDHOLE INTO BUILDING.	
	(14) PROVIDE (1) I CONDULT FOR COMMUNICATION CABLE FOR BASEBALL FIELD SCOREBOARD TO PRESSBOX.	
	(15) NOTE NOT USED.	
	(16) NOTE NOT USED.	7 East Congress Street, Suite 306
	\sim	Savannah, GA 31401 912.721.6999 • www.chacompanies.c
	(17) NOTE NOT USED.	
	(18) NOTE NOT USED.	
	19 NOTE NOT USED.	G EGISTERENT
	20 NOTE NOT USED.	* No. 030781
	(21) PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G	PROFESSIONAL
	(22) NOTE NOT USED.	THES B. FULLER
	\sim	5/15/2023
	(23) NOTE NOT USED.	
	(24) PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.	
	25 PROVIDE HANDHOLE, SEE DETAIL 3 ON SHEET SE-605.	MEMBERS OF THE AMERICAN INSTITUT
	26 PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.	COPYRIGHT 2023 ALL RIGHT PRINTED OR ELECTRONIC DRAV
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		IN ANY FORM WITHOUT WRITTE FROM LS3P ASSOCIATES LTD.
		REVISIONS:
		No. Description
		PROJECT: 5201-192070
		DATE: 05/12/2023 DRAWN BY: JRH
		CHECKED BY: JJD
		ELECTRICAL PLAN
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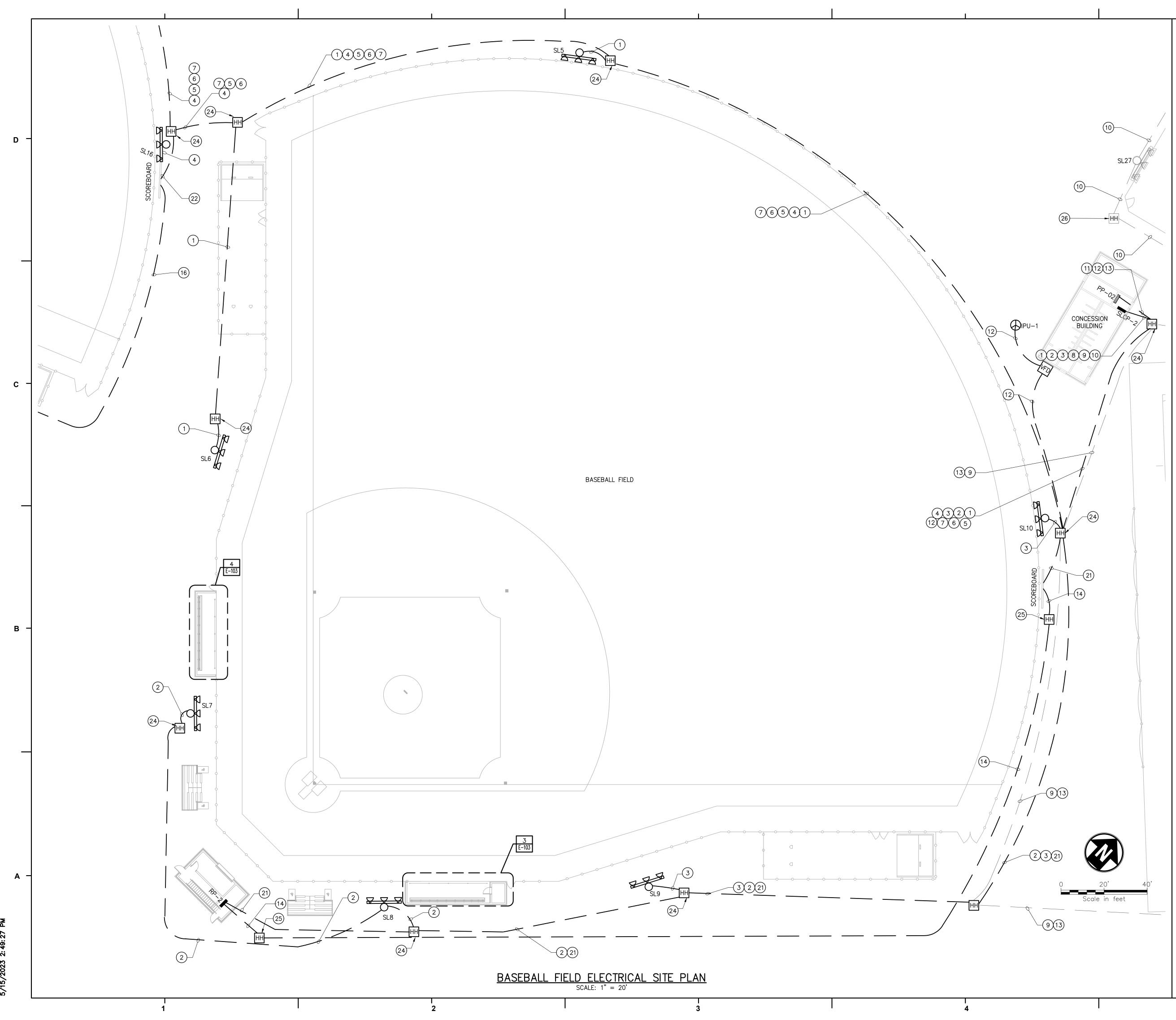
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Date escription 5201-192070 05/12/2023 JRH SY: JJD CER FIELD

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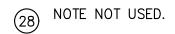
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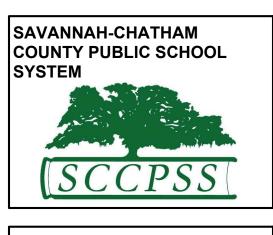
GENERAL NOTES

- 1. SPORT LIGHTING POLES "SL" ARE PROVIDED BY
- THE OWNER. 2. CONDUITS ARE RGS ABOVE GROUND, OR PVC TYPE
- 40 BELOW GROUND, UNLESS OTHERWISE NOTED. 3. CODED NOTES 8, 9, 10, 13, AND 26 TO BE BID AS "ADD ALTERNATE".

CODED NOTES

- 1 PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL5 AND SL6.
- 2 PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL7 AND SL8.
- 3 PROVIDE (1) 1" CONDUIT WITH (3)#10 AND (1)#10G FOR LIGHT POLES SL9 AND SL10. PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL11 AND SL16.
- 5 PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL12, SL13, SL14, AND SL15.
- 6 PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL17 AND SL20.
- PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL18 AND SL19.
- 8 EXISTING (1) 1" CONDUIT WITH (3)#6 AND (1)#6G FOR LIGHT POLES SL21 AND SL22, PROVIDED UNDER DIFFERENT CONTRACT. BRANCH CIRCUITS ARE COILED IN HANDHOLE ADJACENT TO CONCESSION BUILDING. CIRCUITS TO BE EXTENDED FROM HANDHOLE INTO BUILDING.
- 9 EXISTING (1) 1" CONDUIT WITH (3)#8 AND (1)#86 FOR LIGHT POLES SL23 AND SL24 PROVEDED THE FOR LIGHT POLES SL23 AND SL24, PROVIDED UNDER DIFFERENT CONTRACT. BRANCH CIRCUITS ARE COILED IN HANDHOLE ADJACENT TO CONCESSION BUILDING. CIRCUITS TO BE EXTENDED FROM HANDHOLE INTO BUILDING.
- (10) EXISTING (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL25, SL26, SL27, AND SL28, PROVIDED UNDER DIFFERENT CONTRACT. BRANCH CIRCUITS ARE COILED IN HANDHOLE ADJACENT TO CONCESSION BUILDING. CIRCUITS TO BE EXTENDED FROM HANDHOLE INTO BUILDING.
- (11) NOTE NOT USED.
- 12 PROVIDE (1) 1" CONDUIT WITH (4)#8 AND (1)#8G FOR IPU-1.
- 13 EXISTING (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR CONVINCE RECEPT AT SOCCER FIELD. TO BE INSTALLED ON POLE SL23 18" ABOVE GRADE. PROVIDED UNDER DIFFERENT CONTRACT. BRANCH CIRCUITS ARE COILED IN HANDHOLE ADJACENT TO CONCESSION BUILDING. CIRCUITS TO BE EXTENDED FROM HANDHOLE INTO BUILDING.
- (14) PROVIDE (1) 1" CONDUIT FOR COMMUNICATION CABLE FOR BASEBALL FIELD SCOREBOARD TO PRESSBOX.
- 15 NOTE NOT USED.
- (16) PROVIDE (1) 1" CONDUIT FOR COMMUNICATION CABLE FOR YOUTH FIELD SCOREBOARD TO SCOREBENCH.
- 17 NOTE NOT USED
- 18 NOTE NOT USED
- 19 NOTE NOT USED.
- 20 NOTE NOT USED.
- (21) PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR SCOREBOARD POWER.
- 22 PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR YOUTH FIELD SCOREBOARD POWER.
- 23 NOTE NOT USED.
- 24 PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.
- (25) PROVIDE HANDHOLE, SEE DETAIL 3 ON SHEET SE-605.
- 26 PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.
- 27) NOTE NOT USED.





RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE

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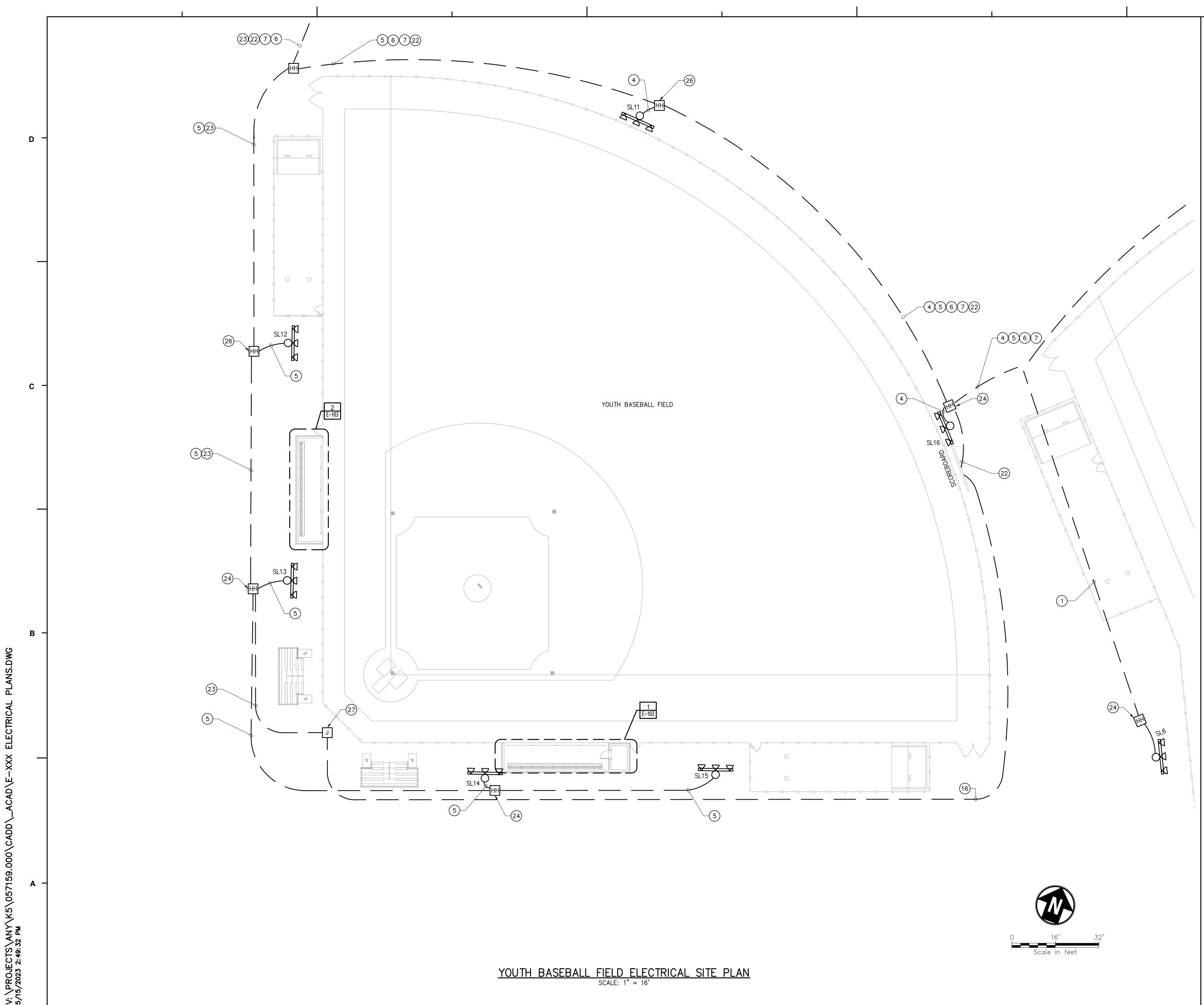
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No.	Descr	iption	Date		
PROJECT: 5201-192070					
DA	DATE: 05/12/2023				
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	BASE	BALL F	IELD		

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ELECTRICAL

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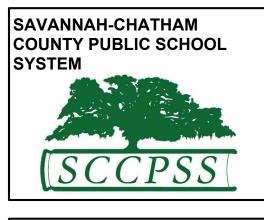
GENERAL NOTES

- 1. SPORT LIGHTING POLES "SL" ARE PROVIDED BY
- THE OWNER.
- 2. CONDUITS ARE RGS ABOVE GROUND, OR PVC TYPE 40 BELOW GROUND, UNLESS OTHERWISE NOTED. 3. CODED NOTES 4, 5, AND 26 TO BE BID AS "ADD

CODED NOTES

ALTERNATE".

- PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL5 AND SL6. 2 NOTE NOT USED.
- 3 NOTE NOT USED.
- PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12GFOR LIGHT POLES SL11 AND SL16. 5 PROVIDE (1) 1" CONDUIT WITH (3)#6 AND (1)#6G FOR LIGHT POLES SL12, SL13, SL14, AND SL15.
- 6 PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL17 AND SL20. PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL18 AND SL19.
- 8 NOTE NOT USED.
- 9 NOTE NOT USED.
- 10 NOTE NOT USED.
- 11 NOTE NOT USED.
- 12 NOTE NOT USED.
- 13 NOTE NOT USED.
- (14) NOTE NOT USED.
- 15 NOTE NOT USED.
- (16) PROVIDE (1) 1" CONDUIT FOR COMMUNICATION CABLE FOR YOUTH FIELD SCOREBOARD TO SCOREBENCH.
- 17) NOTE NOT USED.
- 18 NOTE NOT USED.
- 19 NOTE NOT USED.
- 20 NOTE NOT USED.
- 21) NOTE NOT USED.
- 22 PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR YOUTH FIELD SCOREBOARD POWER.
- 23 PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR RECEPT AT SCORING BENCH 24 PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.
- 25 NOTE NOT USED.
- 26 PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.
- (27) PROVIDE JUNCTION BOX FOR SCORING BENCH TO CONTAIN SCOREBOARD COMMUNICATION AND RECEPTACLES.



RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE

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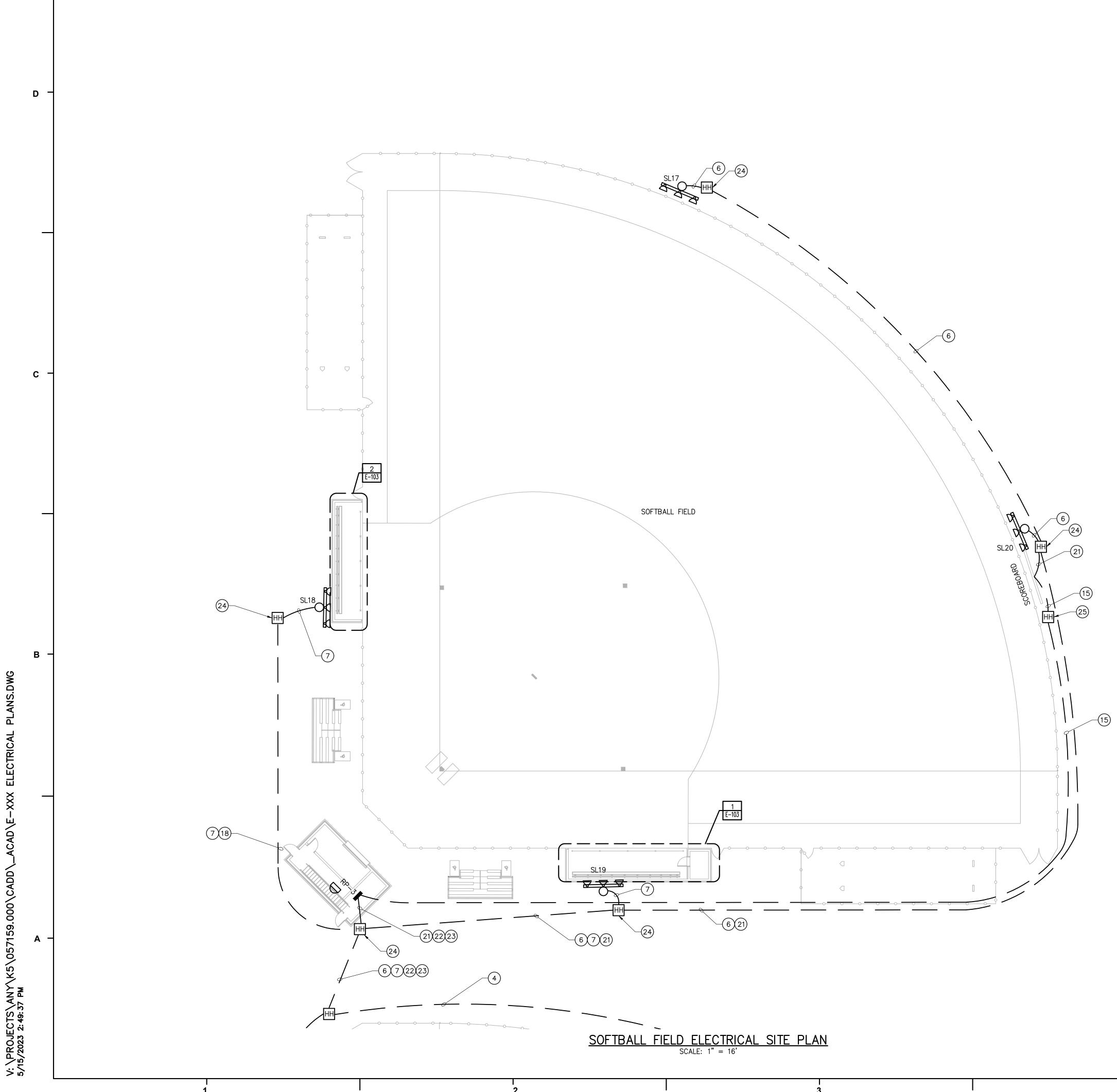
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-	No.	Descr	iption	Date
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	PF	ROJECT:	5201-192070)
	DA	ATE:	05/12/2023	
	DRAWN BY:		JRH	
	CH	IECKED BY:	JJD	
-	Г			
YOUTH FIELD				כ

SE-104

ELECTRICAL

PLAN

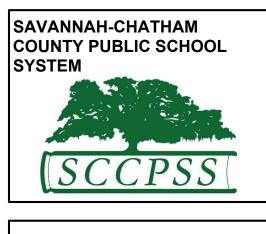


<u>GENERAL</u>	NOTES

- 1. SPORT LIGHTING POLES "SL" ARE PROVIDED BY
- THE OWNER. 2. CONDUITS ARE RGS ABOVE GROUND, OR PVC TYPE
- 40 BELOW GROUND, UNLESS OTHERWISE NOTED.
- 3. CODED NOTES 4 AND 5 TO BE BID AS "ADD ALTERNATE".

CODED NOTES

- 1 NOTE NOT USED.
- 2 NOTE NOT USED.
- 3 NOTE NOT USED.
- PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL11 AND SL16.
- 5 PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL12, SL13, SL14, AND SL15.
- 6 PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL17 AND SL20.
- PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL18 AND SL19.
- 8 NOTE NOT USED.
- 9 NOTE NOT USED.
- 10 NOTE NOT USED.
- 11 NOTE NOT USED.
- 12 NOTE NOT USED.
- 13 NOTE NOT USED.
- (14) NOTE NOT USED.
- (15) PROVIDE (1) 1" CONDUIT FOR COMMUNICATION CABLE FOR SOFTBALL FIELD SCOREBOARD TO PRESSBOX.
- (16) NOTE NOT USED.
- 17 NOTE NOT USED.
- (18) NOTE NOT USED.
- 19 NOTE NOT USED.
- 20 NOTE NOT USED.
- 21 PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR SCOREBOARD POWER.
- 22 PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR YOUTH FIELD SCOREBOARD POWER.
- 23 PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR RECEPT AT SCORING BENCH
- 24 PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.
- (25) PROVIDE HANDHOLE, SEE DETAIL 3 ON SHEET SE-605.
- 26) NOTE NOT USED.



RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE

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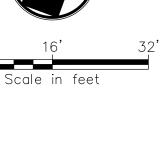


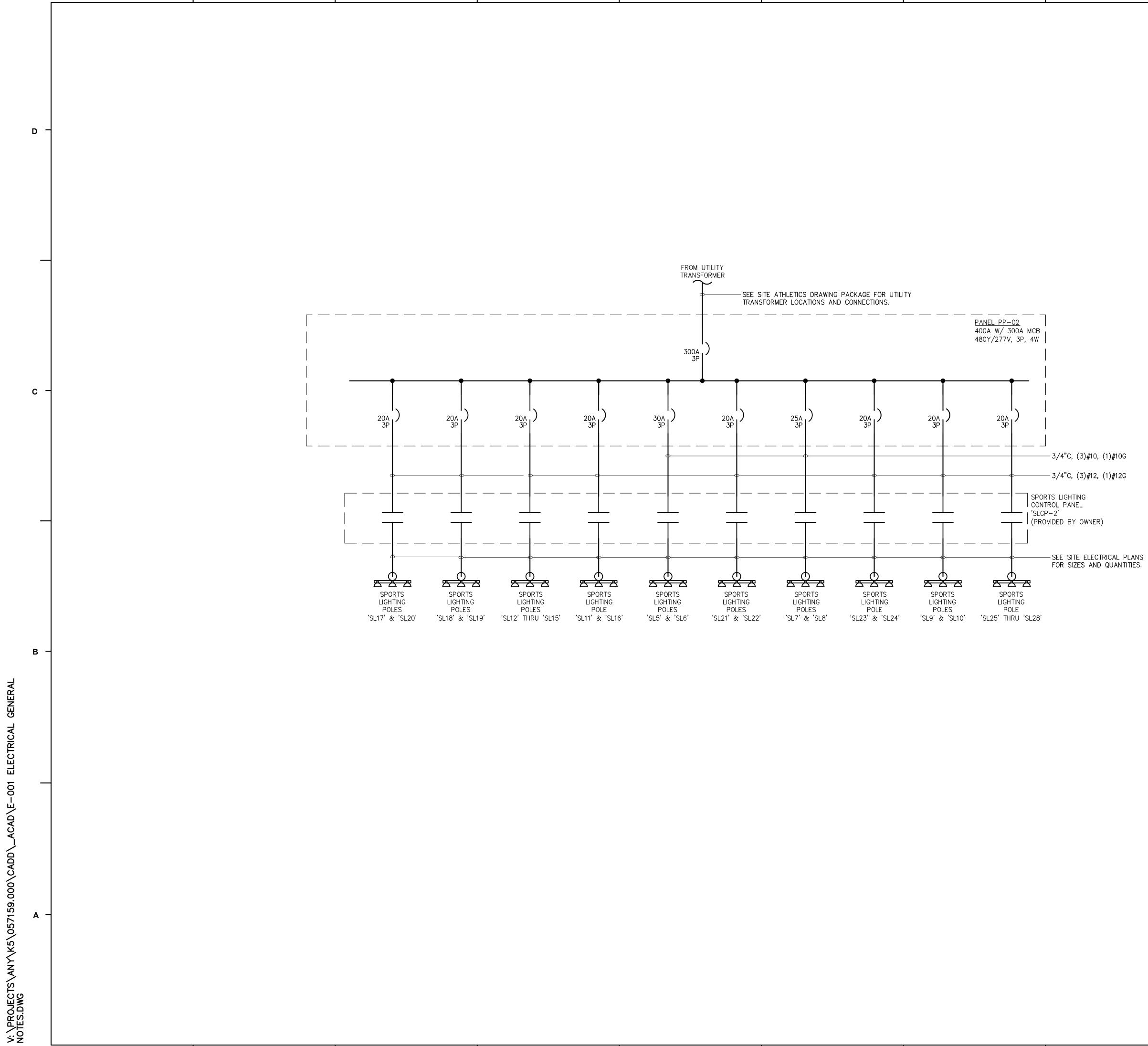
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RE	REVISIONS:			
	Description	Date		

PROJECT:	5201-192070)
DATE:	05/12/2023	
DRAWN BY:	JRH	
CHECKED BY:	JJD	

SOFTBALL FIELD ELECTRICAL PLAN **SE-105**





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BID SET

PROJECT: 5201-192070 DATE: 05/12/2023 DRAWN BY: JRH CHECKED BY: JJD			
ELECTRICAL ONE-LINE DIAGRAM FIELDS			
SE-602			

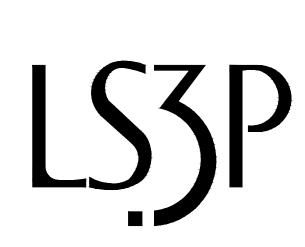
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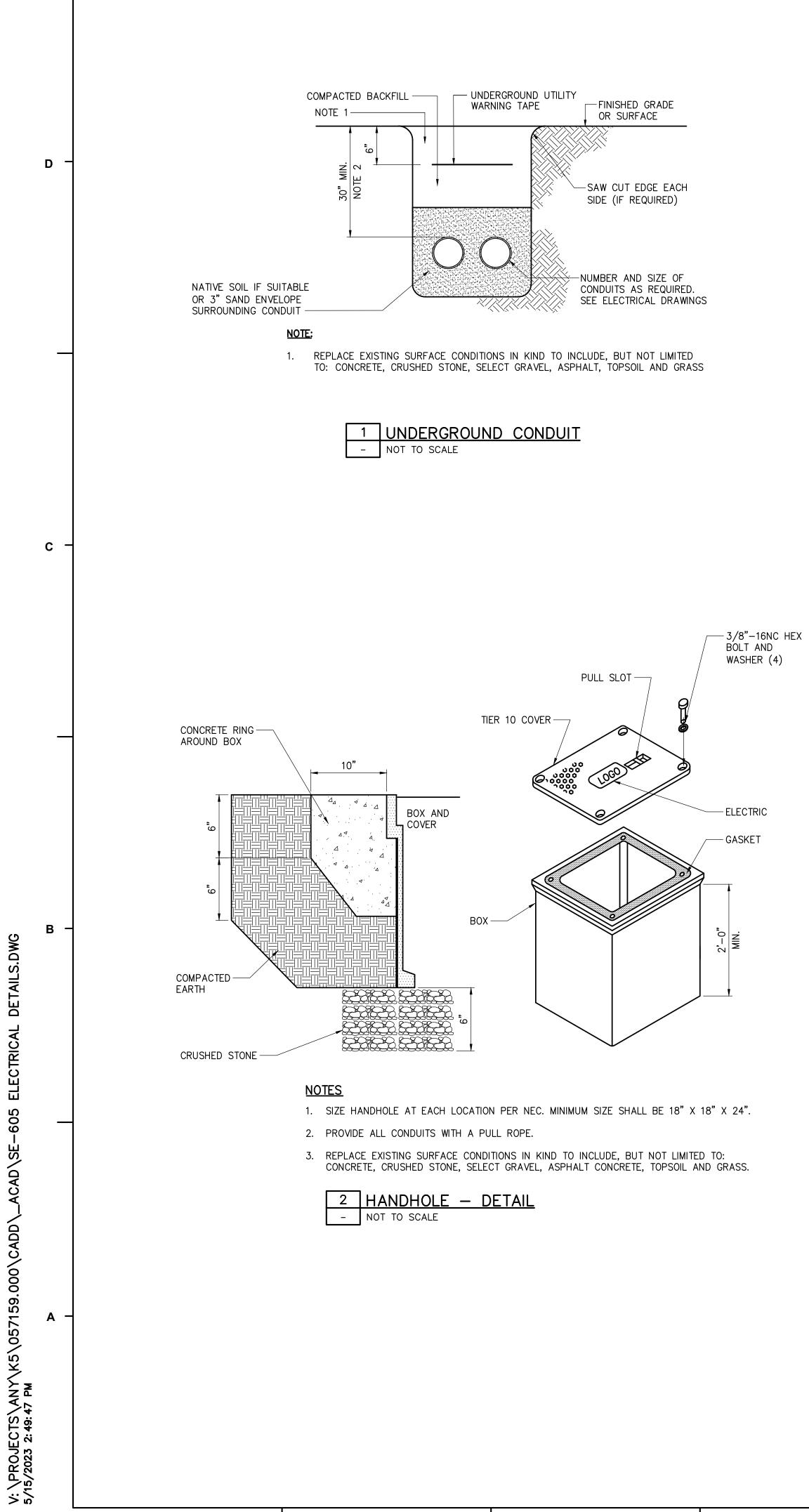


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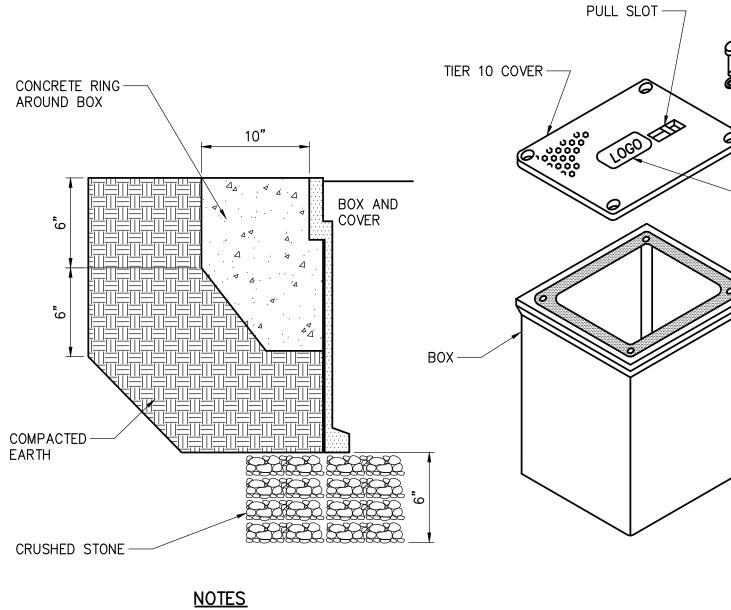
SAVANNAH-CHATHAM COUNTY PUBLIC SCHOOL SYSTEM

SCCP33 RFP C24-01 **GROVES ATHLETIC** FIELDS & FIELDHOUSE



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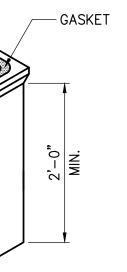


- 1. SIZE HANDHOLE AT EACH LOCATION PER NEC. MINIMUM SIZE SHALL BE 18" X 18" X 24".
- 2. PROVIDE ALL CONDUITS WITH A PULL ROPE.
- 3. REPLACE EXISTING SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT CONCRETE, TOPSOIL AND GRASS.



3/8"-16NC HEX BOLT AND WASHER (4)

- COMMUNICATION



SAVANNAH-CHATHAM COUNTY PUBLIC SCHOOL SYSTEM SULTOO

RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE

321 WEST CONGRESS STREET SUITE 301 SAVANNAH, GEORGIA 31401 TEL. 912.695.2111 FAX 912.298.0206 WWW.LS3P.COM





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REVISIONS:

	No.	Descr	iption	Date	
			5004 400074		
	PROJECT: DATE: DRAWN BY:		5201-192070		
			06/09/2026		
			JRH		
	CHECKED BY:		JJD		
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	DETAILS				

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