COLLEGE OF COASTAL GEORGIA

CENTER FOR THE ARTS

BRUNSWICK, GA 31520

02/26/2024

GMP SUBMITTAL - NOT FOR CONSTRUCTION

AV & THEATRICAL LIGHTING CONTROLS

STAGE FRONT
a better plan for AV

STAGEFRONT
6 SOUTHERN OAKS DRIVE
SAVANNAH, GA 31405

LIGHTING CONSULTANT

CD+M Lighting Design Group

CD+M LIGHTING DESIGN GROUP
2392 PARKLAKE DRIVE, SUITE 610
ATLANTA, GA 30345

ACOUSTICS

LSTN

LSTN CONSULTANTS
76 BEAVER STREET, 2ND FLOOR
NEW YORK, NEW YORK 10005

THEATER CONSULTANT - DESIGN

THEATRE PROJECTS

THEATRE PROJECTS
240 W 40TH STREET, SUITE 305
NEW YORK, NEW YORK 10018

ARCHITECTURE, STRUCTURAL AND CIVIL

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Established 1958

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MEP / FP ENGINEERS

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10 CHATHAM CENTER SOUTH DRIVE, SUITE 200
SAVANNAH, GA 31405

LV ENGINEERS

J&A ENGINEERING CONSULTANTS
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PROGRAM MANAGER

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Project Management Consultants

PDC SOLUTIONS LLC
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ATLANTA, GA 30339

CONSTRUCTION MANAGER

MCK
McKNIGHT CONSTRUCTION

McKNIGHT CONSTRUCTION
635 NW FRONTAGE ROAD
AUGUSTA, GA 30907

SHEET INDEX

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C03.01	STAKING AND TRAFFIC CONTROL PLAN
C04.01	PAVING, GRADING AND DRAINAGE PLAN
C05.01	SEWER AND WATER DISTRIBUTION PLAN
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C06.02	CONSTRUCTION DETAILS
C06.03	CONSTRUCTION DETAILS
C06.04	CONSTRUCTION DETAILS
C07.01	EROSION AND SEDIMENT CONTROL NOTES
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C07.03	EROSION AND SEDIMENT CONTROL NOTES
C07.04	EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE
C07.05	EROSION AND SEDIMENT CONTROL PLAN - INTERMEDIATE PHASE
C07.06	EROSION AND SEDIMENT CONTROL PLAN - INTERMEDIATE PHASE
C07.07	EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE
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SHEET INDEX

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A07.12	INTERIOR ELEVATIONS
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XS412	THEATRE SEATING LEVEL 1 PLAN - SEATING LAYOUT - TELESCOPIC SEATING STORED
XS413	THEATRE SEATING LEVEL 2 PLAN - SEATING LAYOUT
XS511	THEATRE SEATING CENTERLINE SECTION - TELESCOPIC SEATING DEPLOYED
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XS602	THEATRE SEATING THEATRE - SEATING SECTION DETAILS
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E2.03	POWER PLAN - CATWALK
E3.01	ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT
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LV-203	LEVEL 3 - FLOOR PLAN - CATWALK
LV-301	LARGE SCALES
LV-302	LARGE SCALES
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LV-502	DETAILS
LV-503	DETAILS
LV-504	DETAILS
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AV2.01	AUDITORIUM LIGHTING RCP
AV2.02	AUDITORIUM AV RCP
AV3.01	AUDITORIUM SECTION
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AV5.01	PLATE DETAILS
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AV5.03	AUDIO DETAILS
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AV5.06	PRODUCTION LIGHTING DETAILS
AV5.07	DIMMER SCHEDULE
AV5.08	EQUIPMENT RACK DETAILS
AV5.09	COMPANY SWITCH DETAILS
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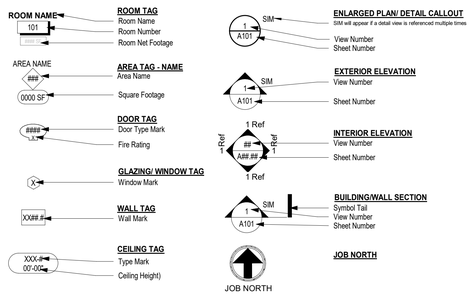
AV6.02	AUDIO FLOW DIAGRAM 2
AV6.03	VIDEO FLOW DIAGRAM
AV6.04	LIGHTING FLOW DIAGRAM

STANDARD ABBREVIATIONS

A		E		I		P	
AC	ACRE / ACRES	EA	EACH	IN	INCH	P	PAINT
A/C	AIR CONDITIONER / AIR CONDITIONING	EDF	ELECTRIC DRINKING FOUNTAIN	INSUL	INSULATION	PART	PARTITION
ACOUS	ACOUSTICAL	EEW	EMERGENCY EYE WASH	INT	INTERIOR	PC	PRECAST
ACT	ACOUSTICAL CEILING TILE	EF	EACH FACE			PEJ	PRE MOLDED EXPANSION JOINT
ADA	AMERICANS with DISABILITIES ACT	EIFS	EXTERIOR INSULATION FINISH SYSTEM	J		PGBD	PEG BOARD
ADJ	ADJUSTABLE	EJ	EXPANSION JOINT			PL	PLATE
AFF	ABOVE FINISHED FLOOR	EJC	EXPANSION JOINT COVER	JAN	JANITOR	PLAM	PLASTIC LAMINATE
AFG	ABOVE FINISHED GRADE/GROUND	ELEC	ELECTRICAL	JT	JOINT	PLST	PLASTER
ALFG	ALUMINUM FULL GLASS	ELEV	ELEVATOR			PLUMB	PLUMBING
ALT	ALTERNATIVE / ALTERNATE	EMER	EMERGENCY	K		PLY	PLYWOOD
ALUM	ALUMINUM	EQ	EQUAL			PME	PLUMB / MECH / ELEC
ANOD	ANODIZED	EQUIP	EQUIPMENT	KIT	KITCHEN	PNL	PANEL
APC	ACOUSTICAL PANEL CEILING	ESB	ELECTRIC SCORE BOARD	L		PR	PAIR
AWP	ACOUSTICAL WALL PANEL	ETR	EXISTING TO REMAIN			PREFAB	PREFABRICATED
ATTEN	ATTENUATION	EW	EACH WAY	LAB	LABORATORY	PREMAN	PREMANUFACTURED
APPROX	APPROXIMATE	EWC	ELECTRIC WATER COOLER	LVT	LUXURY VINYL TILE	PSF	POUNDS PER SQUARE FOOT
ARCH	ARCHITECTURAL	EXIST	EXISTING	LAV	LAVATORY	PSI	POUNDS PER SQUARE INCH
A/V	AUDIO / VISUAL	EXP	EXPANSION	LGTH	LENGTH	PT	PRESSURE TREATED
AVW	AT VARIANCE WITH	EXT	EXTERIOR	LKR	LOCKER	PTD	PAPER TOWEL DISPENSER
				LIN	LINEAR	PVC	POLYVINYL CHLORIDE
B		F		LF	LINEAR FOOT/FEET		
				LLH	LONG LEG HORIZONTAL	Q	
BCS	BABY CHANGING STATION	F	FLUSH	LLV	LONG LEG VERTICAL		
BD	BOARD	FA	FIRE ALARM	LT	LIGHT	QT	QUARRY TILE
BETW	BETWEEN	FCO	FLOOR CLEAN OUT			QTY	QUANTITY
BKS	BOOK SHELF	FD	FLOOR DRAIN	M		QZ	QUARTZ
BLDG	BUILDING	FE	FIRE EXTINGUISHER				
BOS	BOTTOM OF STEEL	FEC	FIRE EXTINGUISHER CABINET	M	MIRROR	R	
BRK	BRICK	FF	FINISH FLOOR	MANUF	MANUFACTURE		
BRNG	BEARING	FH	FUME HOOD	MAT	MATERIAL	R	RISER
BUR	BUILT-UP ROOFING	FHC	FIRE HOSE CABINET	MAX	MAXIMUM	R/A	RETURN AIR
		FIN	FINISH	MB	MARKER BOARD	RAD	RADIUS
C		FJ	FLOOR JOINT	MBR	MODIFIED BITUMEN ROOFING	RB	RESILIENT BASE
		FLASH	FLASHING	MC	MEDICINE CABINET	RCP	REFLECTED CEILING PLAN
C	CLOCK	FLR	FLOOR	MECH	MECHANICAL	RCPT	RECEPTION
CAB	CABINET / CABINETRY	FOE	FACE OF EIFS	MEZZ	MEZZANINE	RD	ROOF DRAIN
CD	COMPUTER DESK	FOC	FACE OF CONCRETE	MF	METAL FLUSH	RECPT	RECEPTACLE
CEM	CEMENTITIOUS BOARD	FOUND	FOUNDATION	MHG	METAL HALF GLASS	REF	REFERENCE
CG	CORNER GUARD	FRP	FIBERGLASS REINFORCED PANEL	MIN	MINIMUM / MINUTE	REFRIG	REFRIGERATOR
CH	COAT HOOK	FT	FOOT / FEET	MISC	MISCELLANEOUS	REINF	REINFORCED / REINFORCING
CJ	CONTROL JOINT	FTG	FOOTING	ML	METAL LOUVER	REQD	REQUIRED
CLR	CLEAR	FURR	FURRING	MLDG	MOULDING	REV	REVISION
CLG	CEILING	FV	FIELD VERIFY	MNG	METAL NARROW GLASS	RH	ROBE HOOK
CL	CLOSET	FWD	FLUSH WOOD DOOR	MO	MASONRY OPENING	RM	ROOM
CMU	CONCRETE MASONRY UNIT			MR	MOP RACK	RO	ROUGH OPENING
CO	CLEAN OUT	G		MRBL	MARBLE	R&S	ROD & SHELF
COMP	COMPUTER			MT	MARBLE THRESHOLD	R/W	RIGHT OF WAY
CONC	CONCRETE	GA	GAUGE	MTD	MOUNTED		
CONF	CONFERENCE	GALV	GALVANIZED	MTL	METAL	S	
CORR	CORRIDOR	GB	GRAB BAR	MW	MICROWAVE		
CPT	CARPET	GB 24	24" GRAB BAR			S	SOAP DISPENSER
CS	COMPUTER STATION	GB 36	36" GRAB BAR	N		SC	STORAGE CABINET
CT	CERAMIC TILE	GB 42	42" GRAB BAR			SCHED	SCHEDULE
CU	CONDENSING UNIT	GCO	GROUND CLEAN OUT	NIC	NOT IN CONTRACT	SCR	SCREEN
		GFI	GROUND FAULT INTERRUPT	NO	NUMBER	SDR	STORM DRAIN
D		GFRC	GLASS FIBER REINFORCED CONCRETE	NTS	NOT TO SCALE	SECT	SECTION
		GFRG	GLASS FIBER REINFORCED GYPSUM			SF	SQUARE FOOT / SQUARE FEET
DD	DUTCH DOOR	GRD	GROUND	O		SH	SHOWER
DEPT	DEPARTMENT	GRVL	GRAVEL			SHT	SHEET
DET	DETAIL	GT	GROUT	OC	ON CENTER	SIM	SIMILAR
DF	DRINKING FOUNTAIN	GYP	GYPSUM	OH	OVERHEAD	SND	SANITARY NAPKIN DISPENSER / DISPOSAL
DIM	DIMENSION	GYP	BD GYPSUM BOARD	OPH	OPPOSITE HAND	SPEC	SPECIFICATION
DIS	DISPLAY CASE / CABINET			OPP	OPPOSITE	SPKR	SPEAKER
DISP	DISPENSER	H		OTSA	OPEN TO STRUCTURE ABOVE	SPLBK	SPLASHBLOCK
DN	DOWN					SQ	SQUARE
DRY	DRYER	HB	HOSE BIBB			SS	STAINLESS STEEL
DS	DOWNSPOUT	HC	HANDICAP			SSF	SOLID SURFACE
DW	DISHWASHER	HD	HAND DRYER			STD	STANDARD
DWG	DRAWING	HDWR	HARDWARE			STL	STEEL
DWR	DRAWER	HM	HOLLOW METAL			STOR	STORAGE
		HORZ	HORIZONTAL			STRFNT	STOREFRONT
		HR	HOUR			STRUCT	STRUCTURAL / STRUCTURE
		HT	HEIGHT			SUSP	SUSPENDED
		HVAC	HEATING / VENTILATING / AIR CONDITIONING			SVT	SOLID VINYL TILE
						SYM	SYMMETRICAL

T		U	
T	TREAD		
TB	TACK BOARD	UL	UNDERWRITERS LABORATORY
TC	TEACHER CABINET	UNF	UNFINISHED
TD	TEACHER DESK	UNO	UNLESS NOTED OTHERWISE
TDR	TRENCH DRAIN	UR	URINAL
TAG	TONGUE & GROVE		
TEMP	TEMPORARY / TEMPERED	V	
TERR	TERRAZZO		
THD	TRESHOLD	VAR	VARIES / VARIABLE
THRU	THROUGH	VEND	VENDING MACHINE
TLT	TOILET	VE	VALUE ENGINEERED
TOC	TOP OF CONCRETE	VERT	VERTICAL / VERTICALLY
TOCMU	TOP OF CONCRETE MASONRY UNIT	VEST	VESTIBULE
TOF	TOP OF FOOTING	VTR	VENT THROUGH ROOF
TOP	TOP OF PAVEMENT	VWC	VINYL WALL COVERING
TOPL	TOP OF PLATE		
TOS	TOP OF STEEL	W	
TOW	TOP OF WALL		
TPD	TOILET PAPER DISPENSER	W/	WITH
TR	TOWEL RACK / BAR	WASH	WASHER
TS	TACK STRIP	W/C	WATER CLOSET
TV	TELEVISION	WC	WALL COVERING
TWAC	THROUGH WALL AIR CONDITIONER	WCO	WALL CLEAN OUT
TWS	TEACHER WORK STATION	WD	WOOD
TYP	TYPICAL	WF	WOOD FLUSH
		WFD	WOOD FIBER DECKING
		WH	WATER HEATER
		WHG	WOOD HALF GLASS
		WL	WOOD LOUVER
		WNG	WOOD NARROW GLASS
		W/O	WITHOUT
		WP	WATER PROOF
		WSCT	WAINSCOT
		WT	WEIGHT
		WWF	WELDED WIRE FABRIC
		X	
		XFMR	TRANSFORMER
		Y	
		YR(S)	YEAR(S)

STANDARD SYMBOLS



APPLICABLE CODES

INTERNATIONAL BUILDING CODE, 2018 EDITION, WITH GA. AMENDMENTS (2020, 2022)

INTERNATIONAL FIRE CODE, 2018 EDITION, WITH GA. AMENDMENTS (2020)

INTERNATIONAL PLUMBING CODE, 2018 EDITION, WITH GA. AMENDMENTS (2020, 2022, 2023)

INTERNATIONAL MECHANICAL CODE, 2018 EDITION, WITH GA AMENDMENTS (2020)

INTERNATIONAL FUEL GAS CODE, 2020 EDITION, WITH GA. AMENDMENTS (2020, 2022)

NATIONAL ELECTRICAL CODE, 2020 EDITION, WITH GA. AMENDMENTS (2021)

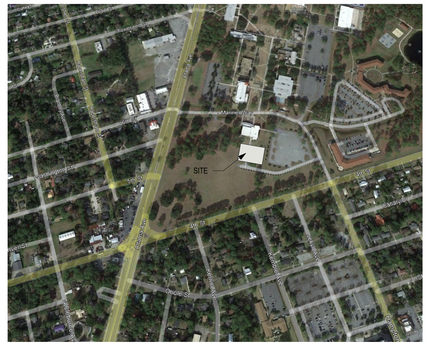
INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION, WITH GA. SUPPLEMENTS AND AMENDMENTS (2020, 2022, 2023)

LIFE SAFETY CODE (NFPA 101) 2018

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

PROJECT DATA

VICINITY MAP



GMP SUBMITTAL - NOT FOR CONSTRUCTION

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

INDEX OF DRAWINGS

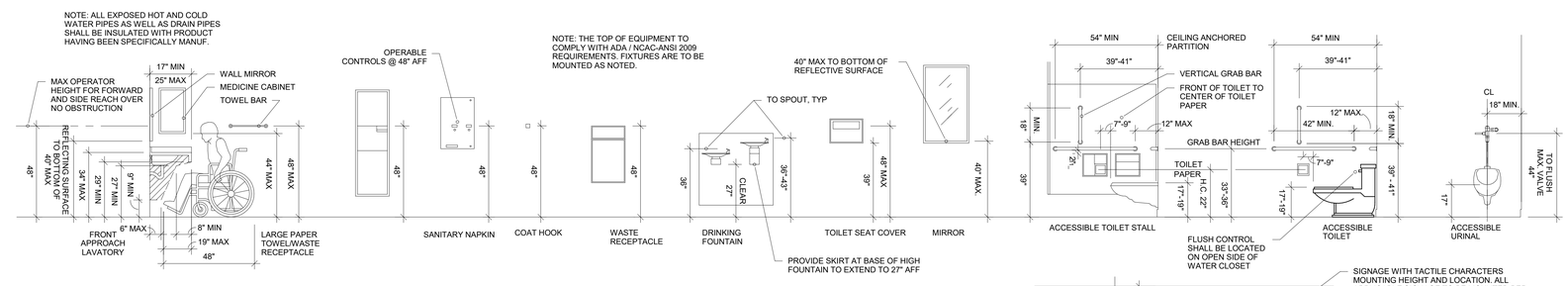
DRAWING NUMBER

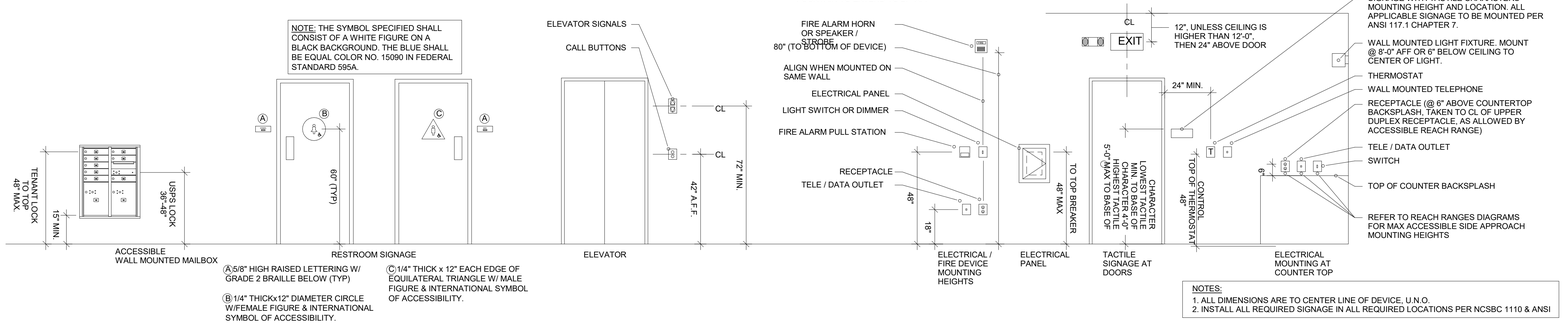
G00.02

ACCESSIBLE INSTALLATION STANDARDS (NTS) - GENERAL -

THIS DRAWING IS PROVIDED TO HELP A GENERAL CONTRACTOR TO INSTALL BUILDING ELEMENTS IN COMPLIANCE WITH ANSI 117.1-2009, FAIR HOUSING ACT DESIGN MANUAL 1998 AND 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. IT IS NOT OUR INTENT TO LIST COMPLETE REGULATIONS & GUIDELINES IN THOSE DOCUMENTS. GENERAL CONTRACTOR IS RESPONSIBLE TO INSTALL ALL THE BUILDING ELEMENTS ACCORDING TO ABOVE DOCUMENTS REGARDLESS OF WHETHER OR NOT IT IS SHOWN HERE.

GENERAL INSTALLATION REQUIREMENTS





Ⓐ 5/8" HIGH RAISED LETTERING W/ GRADE 2 BRAILLE BELOW (TYP)

Ⓑ 1/4" THICKx12" DIAMETER CIRCLE W/FEMALE FIGURE & INTERNATIONAL SYMBOL OF ACCESSIBILITY.

Ⓒ 1/4" THICK x 12" EACH EDGE OF EQUILATERAL TRIANGLE W/ MALE FIGURE & INTERNATIONAL SYMBOL OF ACCESSIBILITY.

NOTES:
1. ALL DIMENSIONS ARE TO CENTER LINE OF DEVICE, U.N.O.
2. INSTALL ALL REQUIRED SIGNAGE IN ALL REQUIRED LOCATIONS PER NCSBC 1110 & ANSI

ACCESSIBILITY SIGNS AND PICTOGRAMS (NTS)

LETTERS AND NUMBERS

A. WIDTH TO HEIGHT RATIO BETWEEN 3 : 5 AND 1 : 1
B. STROKE WIDTH TO HEIGHT BETWEEN 1 : 5 AND 1 : 10
C. CONTRAST CHARACTERS AND SYMBOLS WITH BACKGROUND.
D. SANS SERIF CHARACTERS.

SIGNS / PICTOGRAMS

E. PICTOGRAMS / PICTORIAL SYMBOL SIGNS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM.
THE BORDER DIMENSION SHALL BE 6" MIN. HEIGHT.

F. CHARACTERS AND BACKGROUNDS SHALL BE OF NON-GLARE CONTRASTING COLORS.

G. SIGNS / PICTOGRAMS SHALL BE INSTALLED ON THE WALL ADJACENT TO DOOR LEADING TO THE ROOM OR SPACE THEY DESCRIBE AND AT 60" A.F.F. TO SIGN CENTERLINE AND WHERE A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE DOOR SWING AREA.

H. VERTICAL CLEARANCE AT SUSPENDED SIGNS WITH MINIMUM HEADROOM OF 80" REQUIRE MINIMUM 3" CHARACTER HEIGHT MEASURED BY USING UPPERCASE "X". CHARACTERS AND NUMBERS SHALL BE SIZED ACCORDING TO VIEWING DISTANCE FROM WHICH READ. LOWER CASE CHARACTERS PERMITTED.

SIGN LOCATIONS

I. ALL ACCESSIBLE ENTRANCES IDENTIFIED WITH MINIMUM OF ONE STANDARD SIGN.

J. ADDITIONAL DIRECTIONAL SIGNS ALONG ACCESSIBLE PATH OF TRAVEL ARE REQUIRED.

K. BUILDINGS REMODELED TO PROVIDE ACCESSIBLE SANITARY FACILITIES FOR PUBLIC USE SHALL HAVE INFORMATION POSTED IN THE LOBBY AS PART OF THE BUILDING DIRECTORY.

INTERNATIONAL SYMBOL OF ACCESSIBILITY

L. STANDARD USED TO IDENTIFY ACCESSIBLE FACILITIES.

M. WHITE FIGURE ON BLUE BACKGROUND, COLOR 15090 ON FEDERAL STANDARD 595A.

N. WHEN ENFORCING AGENCY DETERMINES, IF APPROPRIATE, SPECIAL DESIGNS AND COLORS MAY BE APPROVED.

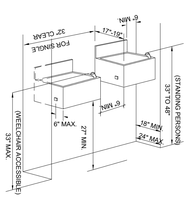
BRAILLE

O. USE CONTRASTED GRADE 2 BRAILLE. DOTS TO BE 0.1 INCH ON CENTER IN EACH CELL.

P. 0.2 INCH SPACE BETWEEN CELLS.

Q. DOTS RAISED MINIMUM 0.025 INCH ABOVE BACKGROUND.

ACCESSIBLE DRINKING FOUNTAIN REQUIREMENTS (NTS)



RECESSED DRINKING FOUNTAINS

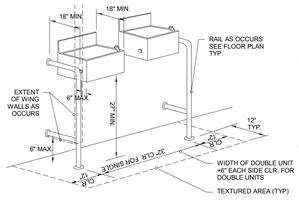
RECESSED FOUNTAINS

A. WITHIN ALCOVES MINIMUM 18" DEEP AND 32" MIN. CLR. WHEN A SINGLE FOUNTAIN IS PERMITTED.
- CONTRACTOR SHALL COORDINATE WITH SIZE OF WATER FOUNTAIN TO BE USED AND SIZED ALCOVE ACCORDINGLY COMPLYING WITH REQUIREMENTS AND RECOMMENDATIONS AND COORDINATING WITH THE ARCHITECT.

PROJECTED FOUNTAINS

B. WARNING FOR THE VISION IMPAIRED AT THE PROJECTED DRINKING FOUNTAIN CAN BE PROVIDED BY EITHER OF THE FOLLOWING MEANS:
- THE SURFACE OF THE FLOOR OR GROUND AT THE DRINKING FOUNTAIN CAN BE OF CONTRASTING COLOR WITH A TEXTURE THAT CONTRASTS IN RESILIENCY WITH THE ADJACENT FINISHED FLOOR MATERIAL. SO THAT IT CAN BE SENSED BY A CANE , WITH THE TEXTURE EXTENDING FROM THE WALL TO ONE FOOT BEYOND THE FRONT EDGE OF THE DRINKING FOUNTAIN AND ONE FOOT BEYOND EACH SIDE IF THE FOUNTAIN, OR
- INSTALL WING WALLS ON EACH SIDE OF THE DRINKING FOUNTAIN TO PROJECT OUT FROM THE MAIN WALL AT LEAST AS FAR AS THE DRINKING FOUNTAIN AND TO WITHIN 6" OF THE PATH OF TRAVEL FLOOR FINISH. THERE MUST BE 32" CLR. BETWEEN THE WING WALLS, OR
- GUARDRAILS SHALL BE A MINIMUM OF 32" CLR. BETWEEN AND PROJECT FROM THE SUPPORT WALL TO THE PROJECTING FACE OF THE FOUNTAIN AND WITHIN 6" OF THE FINISH SURFACE OF THE PATH OF TRAVEL.

C. FOUNTAIN AND GUARDRAILS, ETC. SHALL NOT REDUCE THE REQUIRED ACCESSIBLE ROUTE/PATH WIDTH.

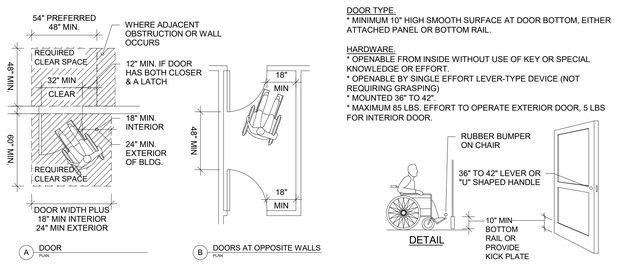


PROJECTED DRINKING FOUNTAINS

NOTE

- ILLUSTRATIONS SHOWN HERE ARE FOR DIMENSIONAL ACCESSIBILITY PURPOSES ONLY.
- A SECOND DRINKING FOUNTAIN SHOULD BE PROVIDED AT A MOUNTING HEIGHT SUITABLE TO PERSONS WITH LIMITED PHYSICAL BENDING ABILITY, ADJACENT TO THE ACCESSIBLE FOUNTAIN, MAINTAINING MINIMUM CLEARANCES NOTED AND AS REQUIRED.
- PROVIDE TEXTURED AREA OF CONTRASTING COLOR TO IDENTIFY WATER FOUNTAIN LOCATION AS NOTED.
- WHEN FOUNTAIN IS AT AN INTERIOR LOCATION, THE TEXTURED AREA SHALL ALSO BE OF DIFFERENT RESILIENCY THAN THAT OF THE ADJACENT FLOOR SURFACE FINISH.

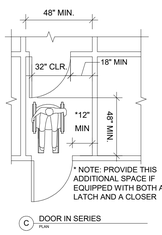
ACCESSIBLE CLEAR SWING - MANUAL DOORS AND GATES - (NTS)

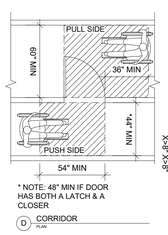


DOOR TYPE.
* MINIMUM 10" HIGH SMOOTH SURFACE AT DOOR BOTTOM, EITHER ATTACHED PANEL OR BOTTOM RAIL.

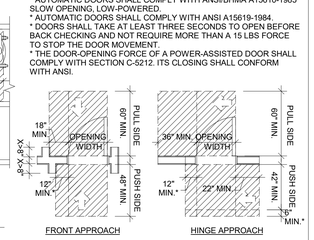
HARDWARE.
* OPENABLE BY PINCH WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE OR EFFORT.
* OPENABLE BY SINGLE EFFORT LEVER-TYPE DEVICE (NOT REQUIRING GRASPING)
* MOUNTED 36" TO 42".
* MAXIMUM 85 LBS. EFFORT TO OPERATE EXTERIOR DOOR, 5 LBS FOR INTERIOR DOOR.

DETAIL





* AUTOMATIC DOORS SHALL COMPLY WITH ANSI/BHMA A15610-1985 SLOW OPENING, LOW-POWERED.
* AUTOMATIC DOORS SHALL COMPLY WITH ANSI A15619-1984.
* DOORS SHALL TAKE AT LEAST THREE SECONDS TO OPEN BEFORE BACK CHECKING AND NOT REQUIRE MORE THAN A 15 LBS FORCE TO STOP THE DOOR MOVEMENT.
* THE DOOR-OPENING FORCE OF A POWER-ASSISTED DOOR SHALL COMPLY WITH SECTION C-5212. ITS CLOSING SHALL CONFORM WITH ANSI.



NOTES

A. CLEAR SPACES MUST BE LEVEL TO PREVENT WHEELCHAIRS FROM ROLLING WHEN THE OCCUPANT RELEASES THE WHEEL GRIPS TO REACH FOR THE DOOR. 1/4" PER FOOT IS ALLOWED FOR DRAINAGE.

B. WHERE DOORS OPEN ONTO, BUT NOT INTO A CORRIDOR; THE REQUIRED LEVEL AREA BEYOND THE DOORS MAY BE A MINIMUM OF 48".

*APPLICABLE ONLY TO DOORS PROVIDED WITH A CLOSER AND LATCH

GENERAL NOTES

ADDITIONAL ACCESSIBLE ROUTE NOTES FOR ACCESSIBILITY COMPLIANCE WITH FHA DM 1998, ICC/ANSI A117.1-2009, AND 2010 ADA STD.

1. ACCESSIBLE ROUTES SHALL COMPLY WITH FHA DM 1998 REQUIREMENTS 1, 2, 4, ANSI 2009 CHAPTER 4, INCLUDING SECTIONS 401-410, AND 2010 ADA STD CHAPTER 4, INCLUDING SECTIONS 401-410.

2. PROTRUDING OBJECTS ON CIRCULATION PATHS WITHIN COMMON USE AREAS TO COMPLY WITH ANSI 2009 SECTION 7, INCLUDING:
A. PROTRUSION LIMITS: OBJECTS WITH LEADING EDGES MORE THAN 27" AND NOT MORE THAN 80" ABOVE THE FLOOR SHALL PROTRUDE 4" MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH. EXCEPTIONS INCLUDE HANDRAILS, DOOR CLOSERS, AND DOOR STOPS.
B. POST-MOUNTED OBJECTS: OBJECTS ON POSTS OR PYLONS SHALL BE PERMITTED TO OVERHANG 4" MAXIMUM WHERE MORE THAN 27" AND NOT MORE THAN 80" ABOVE THE FLOOR. OBJECTS ON MULTIPLE POSTS OR PYLONS WHERE THE CLEAR DISTANCE BETWEEN THE POSTS OR PYLONS IS GREATER THAN 12" SHALL HAVE THE LOWEST EDGE OF SUCH OBJECT EITHER 27" MAXIMUM OR 80" MINIMUM ABOVE THE FLOOR.
C. REDUCED VERTICAL CLEARANCE: GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE OBJECT PROTRUSION IS BEYOND THE LIMITS ALLOWED BY SECTIONS 307.2 AND 307.3, AND WHERE THE VERTICAL CLEARANCE IS LESS THAN 80" ABOVE THE FLOOR. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE 27" MAXIMUM ABOVE THE FLOOR.

3. PROTRUDING OBJECTS ON CIRCULATION PATHS WITHIN PUBLIC USE AREAS TO COMPLY WITH 2010 ADA STD SECTION 307, INCLUDING:
A. 2010 ADA STD SECTION 307.2: PROTRUSION LIMITS
B. 2010 ADA STD SECTION 307.3: POST-MOUNTED OBJECTS
C. 2010 ADA STD SECTION 307.4: VERTICAL CLEARANCE
D. 2010 ADA STD SECTION 307.5: REQUIRED CLEAR WIDTH

4. FLOOR AND GROUND SURFACES (INCLUDING FLOOR MATERIAL TRANSITIONS) IN COMMON USE AREAS SHALL BE STABLE, FIRM, AND SLIP-RESISTANT AND SHALL COMPLY WITH ANSI 2009 SECTIONS 302, INCLUDING:
A. ANSI 2009 SECTION 302.2: CARPET
B. ANSI 2009 SECTION 302.3: OPENINGS

5. CHANGES IN LEVEL (INCLUDING FLOOR MATERIAL TRANSITIONS) IN COMMON USE AREAS SHALL COMPLY WITH ANSI 2009 SECTION 303, INCLUDING:
A. ANSI 2009 SECTION 303.2: VERTICAL
B. ANSI 2009 SECTION 303.3: BEVELED
C. ANSI 2009 SECTION 303.4: RAMPED

6. CHANGES IN LEVEL (INCLUDING FLOOR MATERIAL TRANSITIONS) WITHIN COVERED TENANT UNITS TO COMPLY WITH ANSI 2009 SECTION 403: WALKING SURFACES

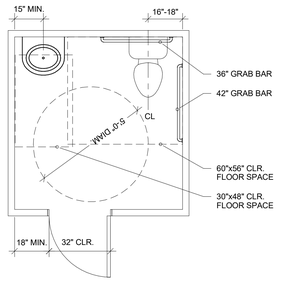
7. FLOOR AND GROUND SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES WITH PUBLIC USE AREAS SHALL BE STABLE, FIRM, AND SLIP-RESISTANT AND SHALL COMPLY WITH 2010 ADA STD SECTION 302.1, INCLUDING:
A. 2010 ADA STD SECTION 302.2: CARPET
B. 2010 ADA STD SECTION 302.3:: OPENINGS

8. CHANGES IN LEVEL (INCLUDING FLOOR MATERIAL TRANSITIONS) IN PUBLIC USE AREAS SHALL COMPLY WITH 2010 ADA STD SECTION 303.1, INCLUDING:
A. 2010 ADA STD SECTION 303.2: VERTICAL
B. 2010 ADA STD SECTION 303.3: BEVELED
C. 2010 ADA STD SECTION 303.4: RAMPED

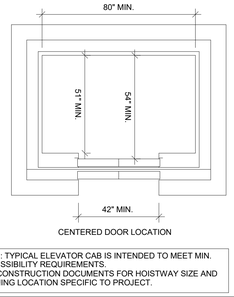
ADDITIONAL DOOR AND HARDWARE SCHEDULE NOTES FOR ACCESSIBILITY COMPLIANCE WITH FHA DM 1998, ICC/ANSI A117.1-2009, AND 2010 ADA STD.

1. MANUAL DOORS AND GATES IN PUBLIC USE AREAS SHALL COMPLY WITH 2010 ADA STD SECTION 404.2 AND AUTOMATIC AND POWER-ASSISTED DOORS AND GATES IN PUBLIC USE AREAS SHALL COMPLY WITH ADA-ABA 2010 SECTION 404.3. MANUAL DOORS, DOORWAYS, AND GATES IN COMMON USE SPACES AND ON THE PUBLIC SIDE OF DWELLING UNIT ENTRY DOORS TO COMPLY WITH ANSI 2003 SECTION 404.2 AUTOMATIC DOORS AND GATES IN COMMON USE SPACES SHALL COMPLY WITH ANSI 2009 SECTION 404.3.
2. ACCESSIBLE DOORS (IN PUBLIC AND COMMON USE SPACES AND ON THE PUBLIC SIDE OF DWELLING UNIT ENTRY DOORS) MUST PROVIDE A 32" MIN. PASSAGE DOOR WIDTH PER 2010 ADA STD SECTIONS 404.2.3 & 404.3.1 FOR PUBLIC USE DOORS AND ANSI 2009 SECTIONS 404.2.2 AND 404.3.1 AND FHA DM CHAPTER 2, PP. 3.2 FOR COMMON USE AND TENANT ENTRY DOORS.
3. USABLE DOORS (WITHIN THE INTERIOR OF DWELLING UNIT) MUST PROVIDE 32" NOMINAL (31-5/8") PASSAGE DOOR WIDTH PER FHA DM CHAPTER 3 PP. 3.2-3.5.
4. COMMON USE AREA DOORS AND TENANT PRIMARY ENTRY DOORS (PUBLIC SIDE ONLY) TO PROVIDE MANEUVERING CLEARANCE AT DOORWAYS TO COMPLY WITH ANSI 2009 SECTIONS 404.2.3 AND 404.3.2.
5. COMMON USE AREA DOORS AND TENANT PRIMARY ENTRY DOORS TO PROVIDE THRESHOLDS AT DOORWAYS TO COMPLY WITH ANSI 2009 SECTION 404.2.5 AND 403.2 AND FHA DM PP. 3.10, 4.11-4.15.
6. TENANT SECONDARY EXTERIOR DOORS (PATIO, BALCONY DOORS, ETC.) TO PROVIDE THRESHOLDS AT DOORWAYS TO COMPLY WITH FHA DM PP. 3.10, 4.11-4.15.
7. OPERABLE PARTS, INCLUDING DOOR HARDWARE, ON COMMON USE AREA DOORS AND TENANT PRIMARY ENTRY DOORS TO COMPLY WITH ANSI 2009 SECTION 309, INCLUDING:
A. ANSI 2009 SECTION 309.2: PROVIDE CLEAR FLOOR SPACE COMPLYING WITH ANSI SECTION 305.
B. ANSI 2009 SECTION 309.3: OPERABLE PARTS SHALL BE PLACED WITHIN REACH RANGES SPECIFIED IN ANSI SECTION 308.
C. ANSI 2009 SECTION 309.4: OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5.0 POUNDS MAXIMUM.
8. COMMON USE AREA DOORS AND TENANT PRIMARY ENTRY DOORS TO COMPLY WITH ANSI 2003 SECTION 404, INCLUDING:
A. ANSI 2009 SECTION 404.2.6: DOOR HARDWARE
B. ANSI 2009 SECTION 404.2.7: CLOSING SPEED
C. ANSI 2009 SECTION 404.2.8: DOOR OPENING FORCE
D. ANSI 2009 SECTION 404.2.9: DOOR SURFACE
E. ANSI 2009 SECTION 404.2.10: VISION LITES
9. ALL ACCESS DEVICES, CARD READERS, ELEVATOR CONTROLS, ETC. SHALL BE 34"-36" FROM FINISH FLOOR AND 24" MIN. FROM INSIDE CORNERS OR OTHER FEATURES THAT COULD BLOCK ACCESS. AVOID PLACING TRASH CANS OR SIMILAR WITHIN DISTANCES STATED ABOVE.

TYPICAL ACCESSIBLE SINGLE TOILET (NTS)

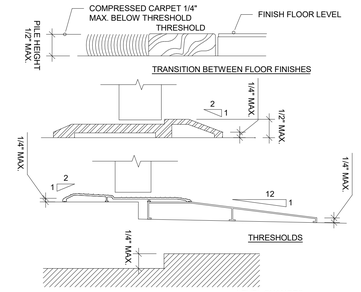


TYPICAL ELEVATOR CAB (NTS)



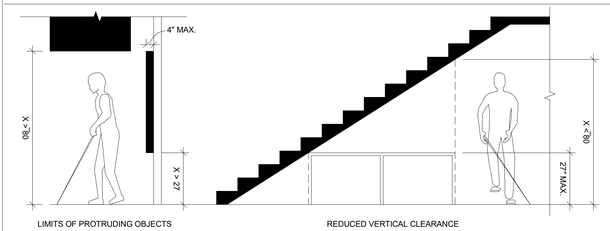
NOTE: TYPICAL ELEVATOR CAB IS INTENDED TO MEET MIN. ACCESSIBILITY REQUIREMENTS.
SEE CONSTRUCTION DOCUMENTS FOR HOISTWAY SIZE AND OPENING LOCATION SPECIFIC TO PROJECT.

THRESHOLD REQUIREMENTS (NTS)



NOTES
A. 1/2" MAX. TOTAL HEIGHT WITH 1/4" MAX. VERTICAL CHANGE AT EDGE.
B. 1 / 2 SLOPE BEVEL REQUIRED IF LEVEL CHANGE IS OVER 1/4" VERTICAL LEVEL CHANGE.
C. 1/4" MAX. VERTICAL LEVEL CHANGE.

GENERAL CLEARANCES (NTS)

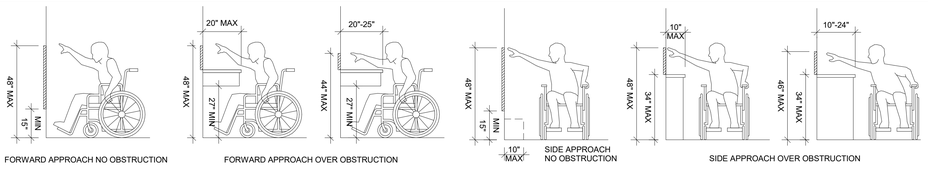


LIMITS OF PROTRUDING OBJECTS

REDUCED VERTICAL CLEARANCE

REACH RANGES (NTS)

NOTE:
ON SIDE APPROACH REACHES RANGES INSIDE OF DWELLING UNITS, AN OBSTRUCTION HEIGHT OF 36" IS PERMITTED PER FAIR HOUSING ACT DESIGN MANUAL (FHADM) 5.8 & ANSI A117.1-2009 SECTION 308.



HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, Ga 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

GENERAL NOTES

DRAWING NUMBER

G00.03

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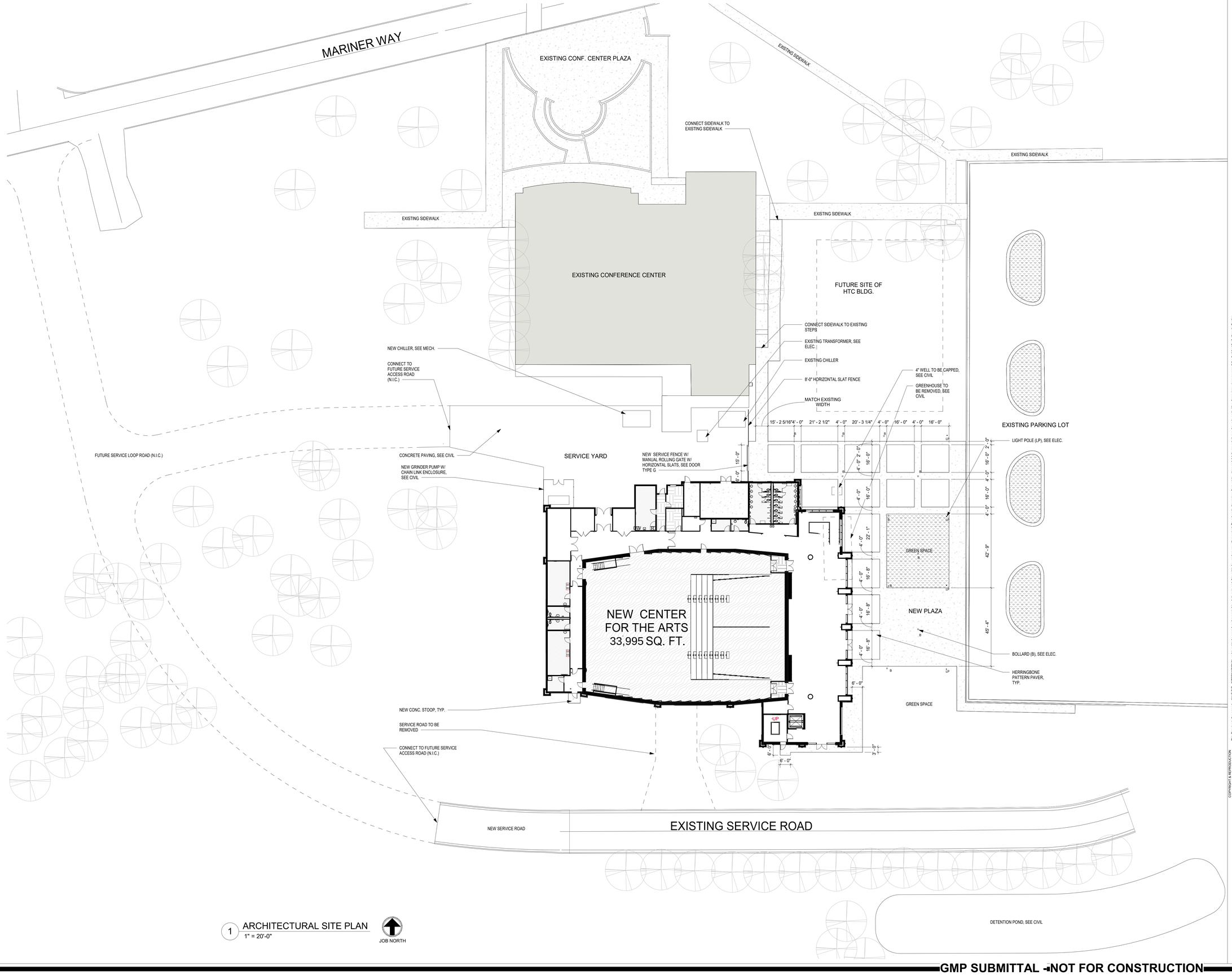

1 ARCHITECTURAL SITE PLAN
1" = 20'-0"

JOB NORTH

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Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

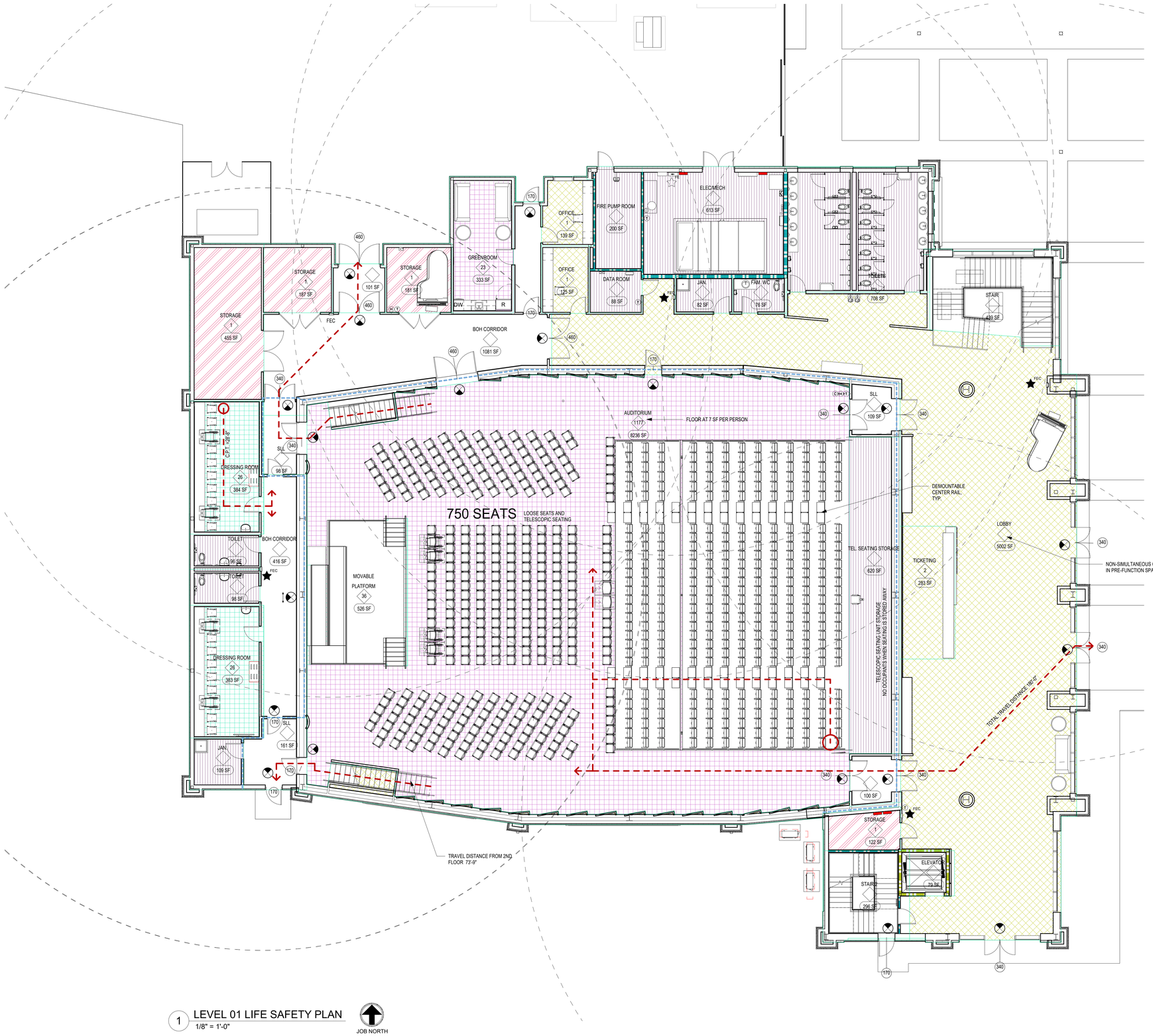
DESIGNED	DRAWN	CHECKED
DATE: 02/26/2024		
JOB NO. 222300701		
SCALE: AS NOTED		

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

ARCHITECTURAL SITE PLAN

DRAWING NUMBER

A00.01



1 LEVEL 01 LIFE SAFETY PLAN
1/8" = 1'-0"

JOB NORTH

Occupancy Class Legend

- A-1
- A-3
- B
- S-1
- U

AREA USE	OCC. COUNT	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS
		M	W	M	W	OCC. COUNT
	0	0.0	0.0	0.0	0.0	0.0
ASSEMBLY	1514	11.6	6.1	3.8	3.8	3.0
ASSEMBLY STAGE	35	0.3	0.1	0.1	0.1	0.1
BUSINESS	6	0.1	0.1	0.1	0.1	0.0
STORAGE	2	0.0	0.0	0.0	0.0	0.0
UTILITY/MISC.	0	0.0	0.0	0.0	0.0	0.0
Grand total: 79	1557	12.0	6.3	3.9	3.9	3.1
PROVIDED 1ST FLOOR:		9	8	8	7	2
PROVIDED 2ND FLOOR:		3	3	2	2	2
TOTAL		12	11	10	9	4

LIFE SAFETY PLAN LEGEND

- NON RATED PARTITION
- SMOKE RESISTIVE PARTITION
- TRAVEL DISTANCE
- 1 HOUR PARTITION
- 2 HOUR PARTITION
- AREA NAME
- ### NUMBER OF OCCUPANTS
- 0000 SF SQUARE FOOTAGE
- NUMBER IN SYMBOL INDICATES EXIT CAPACITY
- FEC FIRE EXTINGUISHER CABINET LOCATION
- FE FIRE EXTINGUISHER - WALL MOUNT LOCATION

OCCUPANCY LOAD TABLE

AREA USE	AREA	OCC. LOAD	OCC. COUNT
FIRST FLOOR LEVEL			
	2880 SF		0
ASSEMBLY	14337 SF	<varies>	1250
ASSEMBLY STAGE	526 SF	15 SF	35
BUSINESS	548 SF	150 SF	4
STORAGE	944 SF	500 SF	2
UTILITY/MISC.	2689 SF		0
LEVEL 2 FLOOR PLAN			
	1511 SF		0
ASSEMBLY	4012 SF	15 SF	264
BUSINESS	2795 SF		0
UTILITY/MISC.	1255 SF		0
LEVEL 3 CATWALK			
	1676 SF		0
BUSINESS	363 SF	150 SF	2
STORAGE	142 SF	500 SF	0
UTILITY/MISC.	317 SF		0
Grand total: 55	33995 SF		1557

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Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

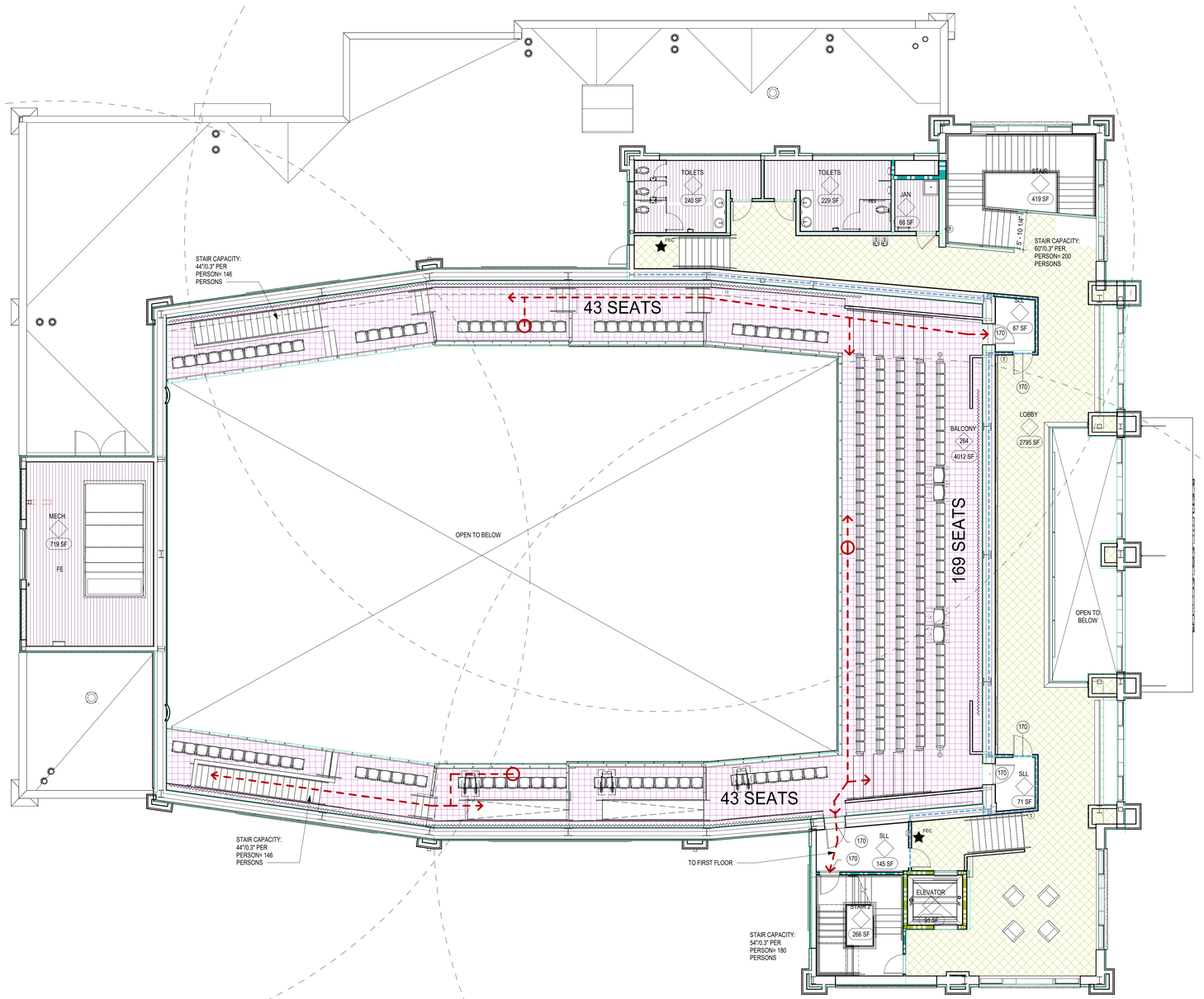
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

LIFE SAFETY PLAN - LEVEL 1

DRAWING NUMBER

A00.11



1 LEVEL 2 FLOOR PLAN
1/8" = 1'-0"

JOB NORTH

Occupancy Class Legend

- A-1
- B
- U

AREA USE	OCC. COUNT	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS
		F.	M	F.	M	COUNT
	0	0.0	0.0	0.0	0.0	0.0
ASSEMBLY	1514	11.6	6.1	3.8	3.8	3.0
ASSEMBLY STAGE	35	0.3	0.1	0.1	0.1	0.1
BUSINESS	6	0.1	0.1	0.1	0.1	0.0
STORAGE	2	0.0	0.0	0.0	0.0	0.0
UTILITY/MISC.	0	0.0	0.0	0.0	0.0	0.0
Grand total: 79	1557	12.0	6.3	3.9	3.9	3.1
PROVIDED 1ST FLOOR:		9	8	8	7	2
PROVIDED 2ND FLOOR:		3	3	2	2	2
TOTAL		12	11	10	9	4

LIFE SAFETY PLAN LEGEND

- NON RATED PARTITION
- SMOKE RESISTIVE PARTITION
- TRAVEL DISTANCE
- 1 HOUR PARTITION
- 2 HOUR PARTITION
- AREA NAME
- ### — NUMBER OF OCCUPANTS
- 0000 SF — SQUARE FOOTAGE
- NUMBER IN SYMBOL INDICATES EXIT CAPACITY
- FEC — FIRE EXTINGUISHER CABINET LOCATION
- FE — FIRE EXTINGUISHER - WALL MOUNT LOCATION

OCCUPANCY LOAD TABLE

AREA USE	AREA	OCC. LOAD	OCC. COUNT
FIRST FLOOR LEVEL			
	2880 SF		0
ASSEMBLY	14337 SF	<varies>	1250
ASSEMBLY STAGE	526 SF	15 SF	35
BUSINESS	548 SF	150 SF	4
STORAGE	944 SF	500 SF	2
UTILITY/MISC.	2689 SF		0
LEVEL 2 FLOOR PLAN			
	1511 SF		0
ASSEMBLY	4012 SF	15 SF	264
BUSINESS	2795 SF		0
UTILITY/MISC.	1255 SF		0
LEVEL 3 CATWALK			
	1676 SF		0
BUSINESS	363 SF	150 SF	2
STORAGE	142 SF	500 SF	0
UTILITY/MISC.	317 SF		0
Grand total: 55	33995 SF		1557

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REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

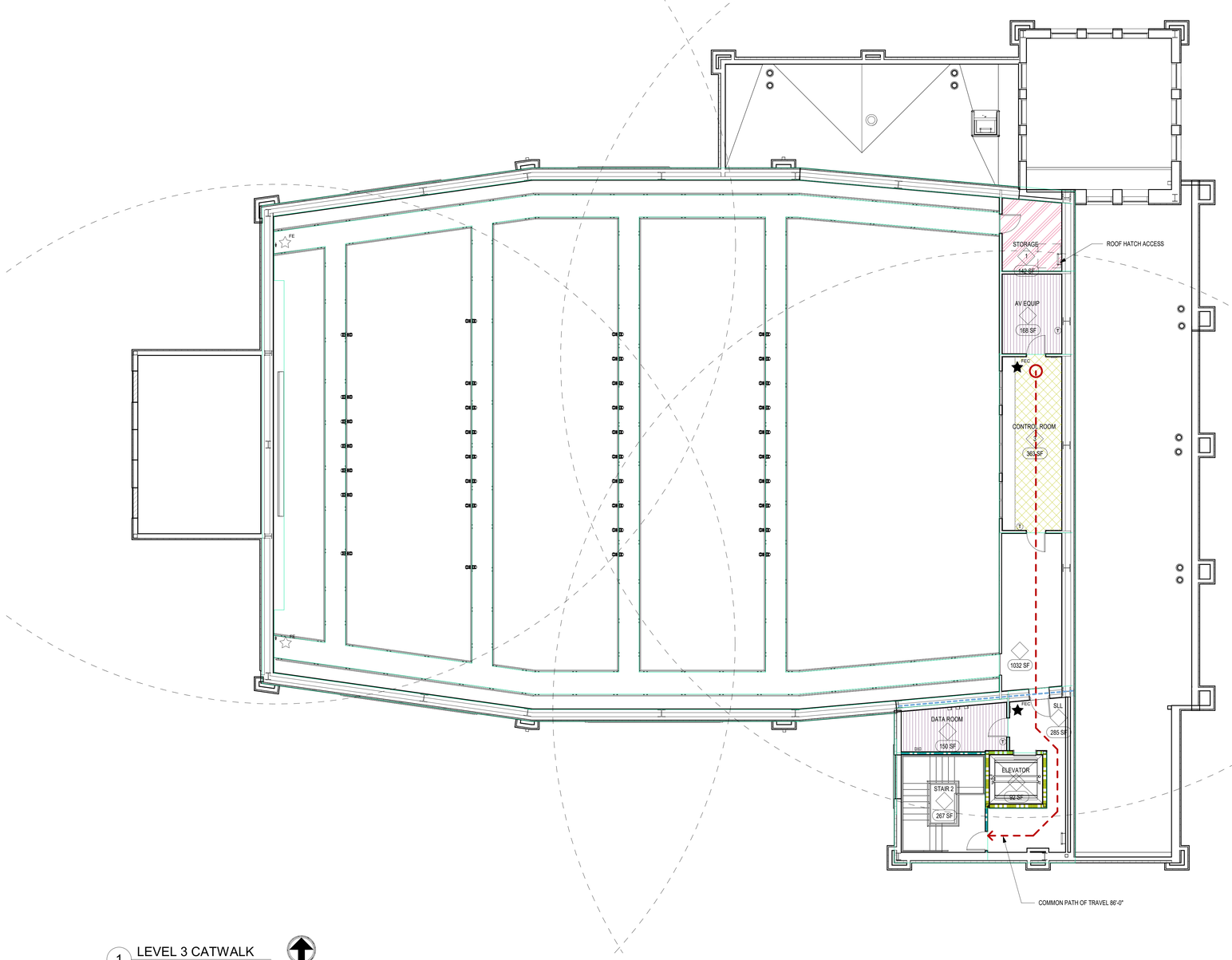
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

LIFE SAFETY PLAN - LEVEL 2

DRAWING NUMBER

A00.12



1 LEVEL 3 CATWALK
1/8" = 1'-0"

JOB NORTH

Occupancy Class Legend

- B
- S-1
- U

AREA USE	OCC. COUNT	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS
		F.	M	F.	M	COUNT
	0	0.0	0.0	0.0	0.0	0.0
ASSEMBLY	1514	11.6	6.1	3.8	3.8	3.0
ASSEMBLY STAGE	35	0.3	0.1	0.1	0.1	0.1
BUSINESS	6	0.1	0.1	0.1	0.1	0.0
STORAGE	2	0.0	0.0	0.0	0.0	0.0
UTILITY/MISC.	0	0.0	0.0	0.0	0.0	0.0
Grand total: 79	1557	12.0	6.3	3.9	3.9	3.1
PROVIDED 1ST FLOOR:		9	8	8	7	2
PROVIDED 2ND FLOOR:		3	3	2	2	1
TOTAL		12	11	10	9	4

LIFE SAFETY PLAN LEGEND

- NON RATED PARTITION
- SMOKE RESISTIVE PARTITION
- TRAVEL DISTANCE
- 1 HOUR PARTITION
- 2 HOUR PARTITION
- AREA NAME — AREA NAME
- ### — NUMBER OF OCCUPANTS
- 0000 SF — SQUARE FOOTAGE
- NUMBER IN SYMBOL INDICATES EXIT CAPACITY
- FEC — FIRE EXTINGUISHER CABINET LOCATION
- FE — FIRE EXTINGUISHER - WALL MOUNT LOCATION

OCCUPANCY LOAD TABLE

AREA USE	AREA	OCC. LOAD	OCC. COUNT
FIRST FLOOR LEVEL			
	2880 SF		0
ASSEMBLY	14337 SF	<varies>	1250
ASSEMBLY STAGE	526 SF	15 SF	35
BUSINESS	548 SF	150 SF	4
STORAGE	944 SF	500 SF	2
UTILITY/MISC.	2689 SF		0
LEVEL 2 FLOOR PLAN			
	1511 SF		0
ASSEMBLY	4012 SF	15 SF	264
BUSINESS	2795 SF		0
UTILITY/MISC.	1255 SF		0
LEVEL 3 CATWALK			
	1676 SF		0
BUSINESS	363 SF	150 SF	2
STORAGE	142 SF	500 SF	0
UTILITY/MISC.	317 SF		0
Grand total: 55	33995 SF		1557

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

LIFE SAFETY PLAN - CATWALK

DRAWING NUMBER

A00.13

GMP SUBMITTAL - NOT FOR CONSTRUCTION

CCG Coastal Community Center for the Arts

03/08/2023

Project Building Code Summary

Design Phase: Schematic Design

Applicable Codes:
Georgia State Minimum Building Standards - based on the International Building Code, 2018 Edition, with Georgia Amendments (2020, 2022)
International Fire Code, 2018 Edition, as adopted and amended by the Rules and Regulations of the Safety Fire Commissioner Chapter 120-3-3.-04(3) with Georgia Amendments (2020)
International Plumbing Code, 2018 Edition, with Georgia Amendments (2020, 2022, 2023)
International Mechanical Code, 2018 Edition, with Georgia Amendments (2020)
International Fuel Gas Code, 2020 Edition, with Georgia Amendments (2020, 2022)
National Electrical Code, 2020 Edition, with Georgia Amendments (2021)
International Energy Conservation Code 2015 Edition, with Georgia Supplements and Amendments (2020, 2022, 2023)
Office of the State Fire Marshal's Rules and Regulations 120-3-3 - Based on Life Safety Code (NFPA 101) 2018 with Georgia Amendments.
Life Safety Code, 2018 Edition, as adopted and amended by the Rules and Regulations of the Safety Fire Commissioner Chapter 120-3-3.-04(72)
2010 ADA Standards for Accessible Design

Proposed Construction:

Two Story plus catwalk level
Noncombustible Construction Unprotected
Fully Sprinklered
Total Area: 33,326 sf

IBC 2018
Occupancy Classification – Chapter 3
303.3 Assembly Group A-1
304.1 Business Group B
311.1.1 Accessory Occupancy: Storage Group S

A-1 Seating capacity: 392 (Telescopic fixed seating)
356 (loose seats)
36 (15 net) Assembly Platform
169 (fixed balcony seats)
86 (balcony loose seats)
Total 1,039

A-1 Seating Capacity: 1,177 (7 net) (Telescopic seating stored away, no tables or chairs First Floor)
36 (15 net) Assembly Platform
169 (fixed balcony seats)
86 (blacony loose seats)
Total 1,468

Business Occupancy: 35

Storage Occupancy: 3

Total: 1,506

Special Detail Requirements – Chapter 4
410 Stages, Platforms and Technical Production Areas

410.3 Platform Construction
410.3.1 Temporary Platforms – Installed for a period of not more than 30 days. The space between the floor and the platform above shall only be used for plumbing and electrical wiring to platform equipment.

410.5 Means of Egress

410.5.1 Arrangement – Not fewer than one exit on each side of the stage.
410.5.2 Stairway and ramp enclosure – Exit access stairways and ramps serving a stage or platform are not required to be enclosed. Exit access stairways and ramps serving technical production areas are not required to be enclosed.
410.5.3 Technical production areas
410.5.3.1 Number of means of egress – Not fewer than one for production areas.
410.5.3.2Exit travel distance – Not greater than 400 with automatic sprinkler system.
410.5.3.3 Two means of egress- Where to means of egress are required, the common path of travel shall not be greater than 100 feet. Exception: A means of escape to a roof in place of a second egress is permitted.
410.5.3.4 Path of Egress travel – Permitted for technical production areas:
1. Stairways
2. Ramps
3. Spiral Stairways.
4. Catwalks
5. Alternating tread devices
6. Permanent ladders.

410.5.3.5 Width – Path of egress shall be not less than 22 inches

General Building Heights and Area – Chapter 5

Table 504.3, table 504.4, table 506.2
Assembly Occupancy A2 – Type IIB, Sprinklered

75' maximum height
3 stories
28,500 square feet /floor

Business Assembly B – Type IIB, Sprinklered

75' maximum height
4 stories
69,000 square feet / floor

508.2 Accessory Occupancies

508.2.1 Accessory occupancies shall be individually classified in accordance with Section 302.1. The requirements of this code shall apply to each portion of the building based on the occupnacy classification of that space.

508.2.2 Allowable building height - In accordance with Section 504 of the main occupancy of the building.

508.2.3 Allowable building area - Based on provisions of Section 506. Aggregate accessory occupancies shall not occupy more than 10 percent of the floor area of the story in which they are located and shall not exceed the tabular values for nonsprinklered buildings in Table 506.2 for each such accessory occupancy.

508.2.4 Separation of Occupancies - No separation is required between accessory occupancies and the main occupancy.

Table 508.4
1 hour separation required between A and B occupancies.

509 Incidental uses
Rooms with boilers where the largest equipment is over 15 psi and 10 horsepower = 1HR or sprinklered.
Electrical installations and transformers – Per NFPA 70

Types of Construction – Chapter 6

602.2 Type II-B, Fully Sprinklered

Table 601 Fire- Resistance Rating Requirements for Building Elements (hours)

Primary Structural Frame	0 hours
Bearing Walls (Exterior and Interior)	0 hours
Nonbearing walls and partitions (Exterior)	See table 602
Nonbearing walls and partitions (interior)	0 hours
Floor construction	0 hours
Roof construction	0 hours

Table 602 Fire-Resistance Rating Requirements for Exterior Walls based on Fire Separation Distance

X≥30 Type IIB and Group A and B 0 hours

Interior Finishes – Chapter 8

Table 803.13 (Sprinklered)

	A-2	A-3	B	S
Interior Exit Stairs and ramps and passageways	B	B	B	C
Corridors and enclosure for exit access	B	B	C	C
Rooms and Spaces	C	C	C	C

END OF IBC 2018

NFPA 101 (2018)

Classification of Occupancy – Chapter 6

6.1 Classification of Occupancy

6.1.2 Assembly – See Chapter 12
6.1.11 Business – See Chapter 38
6.1.13 Storage – See Chapter 42
6.1.14 Multiple Occupancies.
6.1.14.1.2 Mixed occupancies where exit access from an occupancy traverses another occupancy, the multiple occupancy shall be treated as mixed occupancy.
(1) Mixed Occupancies 6.1.14.3 incidental.

6.2 Hazard of Contents

6.2.2.3 Ordinary Hazard Contents.

Means Of Egress – Chapter 7

7.1.3.1 Exit Access Corridor 1 HR
7.1.3.2 Exits 1 HR where connecting three of fewer stories.

7.3.1.2 Occupant Load Factor

Assembly Concentrated without fixed seating 7 net (with telescopic seating stored).
Assembly Less Concentrated use without fixed seating 15 net (with loose seats)
Fixed Seats – with telescopic seating in use
Business – 150 gsf
Storage – 500 gsf

7.3.3.1 Egress Capacity

Stairs: 0.3" per person
Other 0.2" per person

7.4.1.1 Number of Means of Egress

2

Table A7.7.6 Common Path, Dead-End and Travel Distance Limits

	Assembly	Business	Storage
Common Path	20'/75'	100'	100'
Dead End Limit	20'	50'	100'
Travel Distance	250'	300'	400'

Features of Fire Protection – Chapter 8

Construction 8.2.1
8.2.1.2 – Per NFPA 220
Commentary Table 8.1 Cross Reference of Building Construction Types
IBC type IIB = II(000)

Exterior Bearing walls	0 HR
Interior Bearing Walls	0 HR
Columns	0 HR
Beams, Girders, Trusses and Arches	0 HR
Floor to Ceiling Assemblies	0 HR
Roof-Ceiling Assemblies	0 HR
Interior Non-bearing walls	0 HR
Exterior Non-bearing walls	0 HR

8.6.6 Communicating Space
Permitted as it meets conditions 1-8.

New Assembly -Chapter 12

12.1.2 Classification of Occupancy See 6.1.2
12.1.3 Multiple Occupancies per 6.1.14
12.1.5 Hazard of Contents per 6.2
12.1.6 Minimum Construction Req. per table 12.1.6
II (000) Sprinklered for 2 stories and assembly limited to an occupant load of 300 or less.

12.1.7 Occupant Load per table 7.3.1.2
12.1.7.1.1 in areas in excess of 10,000 square feet the occupant load shall not exceed 1 person in 7 square feet.

12.1.7.2 Waiting Spaces 1 person per 3 square feet of area
12.2.1 Means of Egress per Chapter 7
12.2.2.2 Doors per 7.2.1
12.2.2.3 Stairs per 7.2.2
(1) Stairs serving seating that is designed to be repositioned shall not be required to comply with 7.2.2.3.1
(2) This requirement shall not apply to stages and platforms as permitted by 12.4.6.1.2

12.2.2.3.2 Catwalks, Gallery and Gridiron Stairs
12.2.2.3.2.1 Noncombustible grated stair treads and landings floors shall be permitted in means of egress from lighting and access catwalks, galleries and gridirons.
12.2.2.3.2.2 Spiral stairs shall be permitted complying with 7.2.2.2.3 shall be permitted in means of egress from lighting and access catwalks, galleries and gridirons.

12.2.3 Capacity of Means of Egress per 7.3
12.2.3.2 Theater-Type Seating – Minimum clear widths of aisles and other means of egress in accordance with 12.2.3.2
Table 12.2.3.2 Capacity Factors – Unlimited seats

12.2.3.6 Main Entrance/Exit
12.2.3.6.2 (2) Main entrance/exit shall be of a width that accommodates one half of the total occupant load.
12.2.3.6.5 Where main entrance/exit from a assembly occupancy is through a lobby, the aggregate capacity of all exits from the lobby shall be permitted to provide required capacity of the main entrance/exit regardless whether all such exits serve as entrances to the building.

12.2.3.8 Minimum Corridor Width 44"
12.2.4 Number of Means of Egress per 7.4
12.2.4.7 Balconies having an occupant load exceeding 100 shall have a means of egress per 7.4.1
12.2.4.8 A second means of egress is not required from lighting and access catwalks where a means of escape to a floor or a roof is provided.

12.2.5 Arrangement of means of egress Per 7.5
12.2.5.1.2 Common Path 20'
12.2.5.1.3 Dead End Corridor 20'
12.2.6 Travel Distance to Exits 250' sprinklered
12.3.3 Interior Finishes Per 10.2
12.3.6 Corridors 1 HR unless fully sprinklered building
12.4.6 Stages and Platforms Per 3.3.274 Regular stage
12.4.6.2 Platform Construction
12.4.6.2.1 Temporary platforms shall be permitted to be constructed of any materials.
12.4.6.2.2 Space between the floor and the temporary platform shall not be used for any purpose other than electrical wiring to platform equipment.

12.4.6.4. Accessory Rooms
12.4.6.4.1 Workshops, storerooms, permanent dressing rooms, and other accessory spaces contiguous to stages shall be separated from each other and other building areas by 1-hour fire resistance-rated construction and protected openings.
12.4.6.4.2 Separation requirements shall not be required for stages having a floor area not exceeding 1000 sq. ft.
12.4.6.5 Ventilators. Regular stagesin excess of 1000 sq. ft. and legitimate stages shall be provided with emergency ventilation to provide a means of removing smoke.
12.4.6.5.2 Roof Vents
12.4.6.5.2.1 In compliance with NFPA 204
(A) smoke level no less than 6ft above highest leivel of assembly seating.
(B) permitted to provide a net free vent area of 5 percent of stage area, in lieu of engineering analysis required by NFPA 204.

12.4.6.8 Gridiron, Fly Galleries and Pinrails.
12.4.6.8.1 Structural framing designed only fro attachment of portable or fixed theater equipment and Catwalks shall be constructed of materials consistent with the building construction type and a fire resistance rating shall not be required.

12.4.6.9 Catwalks Clear width shall not be less than 22"

12.4.6.10 Fire protection Automatic sprinkler required

12.7.9 Seating
12.7.9.2 Unsecured Seating 1 seat per 15 square feet
12.7.9.3 Occupant Load posting required in a conspicuous space near main exit from the room.
12.7.11 Maintenance and Operation of Folding and Telescopic Seating

Chapter 38 New Business Occupancies

38.1.5 Hazard of Contents	Ordinary
38.1.7 Occupant Load	Per Table 7.3.1.2
38.2.1.1 Means of Egress	Per Chapter 7
38.2.3.1 Capacity of Egress	Per Chapter 7
38.2.4.1 Number of Means of Egress	Per 7.4 no less than 2
38.2.3.2 Minimum Egress Width	44"
38.2.5.2.1 Dead End Corridor	50'
38.2.5.3.1 Common Path of Travel	100'
38.2.6.3 Travel Distance	300'
38.3.3.1 Interior Finishes	Per 10.2
38.3.6.1 Corridors	1 HR unless fully sprinklered building

Chapter 42 New Storage Occupancies

42.1.5 Hazard of Contents	Ordinary
42.1.7 Occupant Load	Probable maximum
42.2.1.1 Means of Egress	Per Chapter 7
42.2.3 Capacity of Egress	Per Chapter 7
42.2.4 Number of Means of Egress	Per 7.4
42.2.5 Arrangement of means of Egress	Per 7.5
Table 42.2.5	
Dead End Corridor	100'
Common Path	100'
42.2.6 Travel distance	Per 7.6, not exceed 400' per table 42.2.6
42.3.3 Interior Finishes	Per Section 10
42.3.6 Corridors	7.1.3.1 shall not apply

END NFPA 2018

END

STATEMENT OF CONDITIONS

The Center for the Arts is a 2-story Assembly (Group A) building located in Brunswick, Georgia as part of the College of Coastal Georgia's campus. This building is designed with a vertical opening spanning from Level 1 to Level 2. It is the intent of the design team to comply with LSC, NFPA 101 Section 8.6.6, communicating spaces, and Section 12.3.1 for assembly vertical openings.

The project consists of two vertical openings adjacent to each other but serving the same floor levels. The first is considered a communicating space in the lobby and pre-function area which will be discussed as part of this AMMR. The second is a vertical space compliant with Section 12.3.1 for vertical opening allowance in sprinklered buildings of Assembly Use Group.

The vertical opening in the Auditorium space complies with Item 3 of Section 12.3.1 and is permitted to egress vertically per Item 1 of Section 12.3.1 for assembly occupancies. Therefore this opening and egress path is compliant as designed.

The vertical openings in the lobby space are proposed as a communicating space per LSC Section 8.6.6 utilizing one alternative method of compliance.

This vertical opening will be provided the following requirements to remain unenclosed:

1. The communicating space does not connect more than three contiguous stories.
   A. Opening connects 2 stories and thus is compliant.
2. The lowest or next-to-lowest story within the communicating space is a street floor.
   A. Opening connects Levels 1 and 2 and thus is compliant.
3. Entire floor area of the communicating space is open and unobstructed, such that a fire in any part of the space will be readily obvious to the occupants of the space prior to the time it becomes an occupant hazard.
   A. Bullet 3 will be the subject of this AMMR.
4. The communicating space is separated from the remainder of the building by fire barriers with not less than 1-hour fire resistance rating, unless one of the following is met:
   A. In buildings protected throughout by an approved automatic sprinkler system in accordance with FFPC, NFPA Section 9.7, a smoke barrier in accordance with FFPC, NFPA Section 8.5 shall be permitted to serve as the separation required by requirement above, v.4.
      - **Building is fully sprinklered, doors to the theater space will need to be confirmed or upgraded to be smoke tight.**
   B. The requirement of v.4 shall not apply to fully sprinklered residential housing units of dietention and correctional occupancies in accordance with 22.3.1 (2) and 23.3.1.1(2).
5. The communicating space has ordinary hazard contents protected throughout by an approved automatic sprinkler system in accordance with Section 9.7 or has only low hazard contents.
   A. **The building does not contain any high-hazard contents and thus is compliant.**
6. Egress capacity is sufficient to allow all the occupants of all levels to simultaneously egress the communicating space by considering it as a single floor area in determining the required egress capacity.
   A. The communicating space is provided with two exits and a minimal occupant load and therefore is compliant.
7. Each occupant within the communicating space has access to not less than one exit without having to traverse another story with the communicating space.
   A. An enclosed exit stair is provided within and separated from the communicating space and discharges to the exterior without re-entering the communicating space and thus is compliant.
8. Each occupant not in the communicating space has access to not less than one exit without having to traverse another story with the communicating space.
   A. The theater occupants are provided independent egress within the theater per Section 12.3.1 and thus is compliant.

The vertical opening currently complies with each of the provisions listed above as the doors separating the pre-function area from the auditorium are smoke tight and gasketed.

AMMR/PBD Code Compliance Pathways

The proposed modifications will be submitted as a performance-based design, equivalency, or alternative means and methods request in accordance with the local regulations. Georgia requires that vertical openings are governed by the LSC and therefore the alternative will be submitted as equivalency per LSC Section 1.4.

NFPA 101 Section 1.4 Equivalency. Nothing in this code is intended to prevent the use of systems, methods, or devices of equivalent or superior quality, strength, fire resistance, effectiveness, durability, and safety over those prescribed by this code..

The proposed item will fall under this code pathway above and is permitted by the State of Georgia and Building Official deem that the design team has demonstrated equivalency below.

The communicating space is not designed to be open and unobstructed such that a fire scenario is readily identifiable to all occupants within the space as required per LSC. Therefore, the space will be provided with automatic smoke detection in accordance with LSC, NFPA 101 Section 9.6 although not prescriptively required due to the presence of an automatic fire alarm system and sprinkler system (LSC, NFPA 101 Section 12.3.4).

By utilizing smoke detection, the notification of the system will result in a fire being readily obvious to occupants. This notification will then provide occupants with an increased egress time, thus meeting the intent of the readily obvious communicating space provision.

Additionally, this approach has been evaluated by NFPA and has actually been added to the 2021 edition of NFPA 101. Item 3 of Section 8.6.6 has been rearranged to add a second option for compliance that states:

"The area is open and provided with automatic smoke detection in accordance with Section 9.6"

The commentary acknowledges that a smoke detection system is a commonly used and permissible alternative to unobstructed site line and the committee of the Life Safety Code has accepted the change into the new edition. Due to the fact that the NFPA has accepted the change and substantiated the public input to the document, it is our professional opinion that this constitutes satisfactory technical justification for the use of this approach as an alternative to the 2018 edition of the same code.

It is our professional opinion that when provided with automatic smoke detection per LSC Section 9.6, an equivalent level of safety to code is provided in regards to the communicating space spanning from Levels 1-2. The automatic smoke detection will provide another layer of safety making a fire scenario readily obvious to occupants in the building, thus creating a solution that is equivalent to the level of safety intended by the code.

END

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

CODE SUMMARY

DRAWING NUMBER

A00.14

GMP SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES, ABBREVIATIONS, SYMBOLS & LEGEND:

SITE DATA:

1. SITE ADDRESS: 1 COLLEGE DRIVE, BRUNSWICK, GLYNN COUNTY, GEORGIA
2. PROPERTY IDENTIFICATION NUMBER(S): 01-06131
3. PROPERTY OWNER/ADDRESS: STATE BOARD OF REGENTS, 1 COLLEGE DRIVE, BRUNSWICK, GLYNN COUNTY, GEORGIA
4. PARCEL(S) SIZE: 186.13 ACRES
5. SITE SIZE: 2.6 ACRES
6. SITE ZONING: R9
7. SURVEY INFORMATION: HUSSEY GAY BELL, 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406, (912) 354-4626, SEPTEMBER 06, 2022, PROJECT No.: 122273642, VERTICAL DATUM: NAVD88, HORIZONTAL DATUM: NAD83
8. GEOTECHNICAL: WHITAKER LABORATORY, INC., 2500 TREMONT ROAD, SAVANNAH, GA 31405, DATE: MAY 2, 2023
9. LOCAL ISSUING AUTHORITY: NONE
10. WATER AND SEWER PROVIDER: BRUNSWICK – GLYNN COUNTY JOINT WATER AND SEWER COMMISSION
11. ROAD AND DRAINAGE OPERATOR: COLLEGE OF COASTAL GEORGIA
12. FLOOD ZONE: IN ACCORDANCE WITH FIRM MAP NO. 13127C0236H, EFFECTIVE DATE: JANUARY 5, 2018, THIS PROPERTY DOES NOT FALL WITHIN THE LIMITS OF THE 100 – YEAR FLOOD PLAIN. (ZONE "X").

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION UNTIL THE PROPER PERMITS HAVE BEEN ISSUED.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A COPY OF THE NOTICE OF INTENT. IF ONE HAS NOT BEEN PROVIDED/SUBMITTED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DO SO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO THE REQUIREMENTS OF THE NPDES GENERAL PERMIT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A COPY OF AND FAMILIARIZING THEMSELVES WITH THE GEOTECHNICAL REPORT.
4. CAD FILES OF THE DESIGN MAY BE OBTAINED BY THE CONTRACTOR UPON REQUEST, BUT THE LATEST ISSUED PLANS AND SPECIFICATIONS SHALL GOVERN IN CONFLICT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY BETWEEN THE PLANS AND SPECIFICATIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY FIELD MARKINGS/LOCATES ARE IN AGREEMENT WITH THE APPROVED PLANS AND SPECIFICATIONS. IF THE FIELD LOCATIONS ARE FOUND TO BE IN CONFLICT OR IF UTILITIES ARE MARKED IN THE FIELD THAT ARE NOT SHOWN ON THE PLANS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY AND REQUEST DIRECTION. UNDERGROUND UTILITIES WERE LOCATED TO THE EXTENT PRACTICAL DURING THE TOPOGRAPHIC SURVEY BASED ON OBSERVABLE ABOVE GROUND EVIDENCE AND FLAGGING BY OTHERS. HOWEVER, THE UTILITIES SHOWN MAY NOT BE THE TYPE INDICATED OR IN THE LOCATION SHOWN, AND OTHER UNDERGROUND UTILITIES MAY EXIST THAT ARE NOT SHOWN ON THE PLANS. FULL SUBSURFACE INVESTIGATION SHALL BE PERFORMED BY THE CONTRACTOR TO VERIFY LOCATION, TYPE, AND SIZE OF ALL UNDERGROUND UTILITIES.
6. THE CONTRACTOR SHALL COMPLETELY CLEAR AND GRUB ALL AREAS WITHIN THE LIMITS OF DISTURBANCE UNLESS INDICATED OTHERWISE.
7. ALL UTILITY CONSTRUCTION SHALL BE PERFORMED BY A UTILITY CONTRACTOR LICENSED IN THE STATE OF GEORGIA.
8. ALL WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS.
9. ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE GRASSED BY SEEDING, FERTILIZING, MULCHING AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GROUND COVER.
10. ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE STATE SOIL AND WATER CONSERVATION COMMITTEE'S "MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA." ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED ON A REGULAR BASIS AND SHALL BE REMOVED BY THE CONTRACTOR UPON ACCEPTANCE OF THE SITE BY THE OWNER.
11. CONTRACTOR SHALL USE A TRENCH BOX ON ALL UTILITIES MORE THAN SIX FEET IN DEPTH. STACKABLE TRENCH BOXES SHALL BE USED WHERE DEPTH REQUIRES SUCH.
12. ALL CASTINGS ON SITE SHALL BE AMERICAN MADE.
13. ACCESS FOR FIRE FIGHTING:
    - 13.1. REQUIRED ACCESS: APPROVED VEHICLE ACCESS FOR FIREFIGHTING SHALL BE PROVIDED TO ALL CONSTRUCTION OR DEMOLITION SITES. VEHICLE ACCESS SHALL BE PROVIDED TO WITHIN 100 FEET OF TEMPORARY OR PERMANENT FIRE DEPARTMENT CONNECTIONS. VEHICLE ACCESS SHALL BE PROVIDED BY EITHER TEMPORARY OR PERMANENT ROADS, CAPABLE OF SUPPORTING VEHICLE LOADING UNDER ALL WEATHER CONDITIONS. VEHICLE ACCESS SHALL BE MAINTAINED UNTIL PERMANENT FIRE APPARATUS ACCESS ROADS ARE AVAILABLE.
    - 13.2. WATER SUPPLY FOR FIRE CONNECTION: WHEN REQUIRED, AN APPROVED WATER SUPPLY FOR FIRE PROTECTION , EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON THE SITE.

STAKING NOTES:

1. ALL RADII ARE 5' AND ALL ANGLES ARE 90° UNLESS OTHERWISE SHOWN ON THE PLANS.
2. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN ON THE PLANS.
3. LAYOUT FOR MANHOLES, INLETS, ETC., ARE NOT SHOWN ON THIS PLAN. COORDINATES FOR SUCH STRUCTURES CAN BE PROVIDED TO THE SELECTED CONTRACTOR UPON REQUEST.
4. THE CONTRACTOR SHALL UTILIZE EXISTING BENCHMARKS AND CONTROL POINTS SHOWN ON THE PLANS TO ESTABLISH VERTICAL AND HORIZONTAL CONTROL ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THESE BENCHMARKS DURING THE CONSTRUCTION PROJECT AND FOR BEARING ANY EXPENSE RESULTING FROM UNAUTHORIZED REMOVAL OR REPLACEMENT OF BENCHMARKS. WHEN A PERMANENT BENCHMARK IS LOCATED SUCH THAT IT MUST BE REMOVED TO COMPLETE THE PROJECT, THE CONTRACTOR SHALL ESTABLISH SUCH TEMPORARY BENCHMARKS AS HE MAY REQUIRE PRIOR TO REMOVING THE PERMANENT BENCHMARK. THE CONTRACTOR SHALL PROVIDE THE LOCATION, IDENTIFICATION AND ELEVATION OF ANY TEMPORARY BENCHMARK ESTABLISHED TO THE OWNER AND ENGINEER.

PAVING, GRADING AND DRAINAGE NOTES:

1. CONTOURS SHOWN ARE BASED ON FINISHED GRADES AND INCLUDE SIDEWALK AND PAVEMENT SURFACING. FINAL EARTHWORK CONTOURS IN AREAS TO BE COVERED BY OTHER SURFACES WILL BE DIFFERENT FROM THOSE SHOWN ON THIS PLAN.
2. CONTOURS SHOWN ON THIS SHEET ARE FOR GENERAL GUIDANCE AND INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL GRADE THE SITE IN ACCORDANCE WITH ELEVATIONS SHOWN. IN CASES OF CONFLICT BETWEEN SPOT ELEVATIONS AND CONTOURS, THE SPOT ELEVATIONS SHALL GOVERN.
3. ALL PROPOSED PAVEMENT SHALL BE SUPPORTED BY A 24" MINIMUM THICKNESS SUBBASE COMPOSED OF COMPACTED SUITABLE MATERIAL ABLE TO PASS PROOF ROLLING. DEFINITIONS OF SUITABLE MATERIAL, COMPACTION, AND PROOF ROLLING ARE PROVIDED IN THE PROJECT SPECS. UNDERCUTTING AND BACKFILLING OF UNSUITABLE MATERIAL, IF PRESENT, TO ESTABLISH THE REQUIRED SUBBASE SHALL BE INCLUDED IN THE BASE BID. THE GEOTECHNICAL REPORT IS INCLUDED WITH THE CONTRACT DOCUMENTS.
4. LOAD BEARING AND STRUCTURAL FILLS SHALL BE APPROVED SUITABLE MATERIAL AS DEFINED IN THE PROJECT SPECS. WASTE MATERIALS MAY BE USED FOR FLUSHING OF SHOULDER OR CONSTRUCTION OF PEDESTRIAN OR LANDSCAPED AREAS IF THEY CAN BE STABILIZED, SUPPORT PLANT GROWTH, AND MEET THE REQUIRED DEGREE OF COMPACTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
6. CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SEDIMENT BARRIERS (SILT FENCE OR GRAVEL BAGS) AROUND ALL DRAINAGE INLETS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAINAGE SYSTEM.
7. SEE SPECIFICATIONS FOR REQUIREMENTS FOR CONTROL, CONSTRUCTION AND EXPANSION JOINTS IN CONCRETE SIDEWALKS AND CURB AND GUTTER.
8. INVERT ELEVATIONS SHOWN ON THE PLANS ARE TO THE INVERT OF THE LOWEST PIPE UNLESS SHOWN OTHERWISE.
9. THE CONTRACTOR SHALL INSTALL ALL DRAINAGE PIPE PER MANUFACTURER'S RECOMMENDATIONS. IF A CONFLICT BETWEEN THE PLANS AND MANUFACTURER'S RECOMMENDATIONS ARISES, PLEASE NOTIFY THE DESIGN ENGINEER/OWNER IMMEDIATELY AND DISCONTINUE WORK UNTIL FURTHER NOTICE IS GIVEN.
10. ALL DRAINAGE PIPE SHALL BE REINFORCED CONCRETE PIPE CLASS III UNLESS OTHERWISE NOTED
11. CATCH CURB AND GUTTER SHALL BE USED WHERE THE DRAWINGS INDICATE THAT THE GUTTER IS TO CARRY WATER. PITCHED CURB AND GUTTER SHALL BE USED WHERE THE DRAWINGS INDICATE THE WATER SHALL DRAIN AWAY FROM THE GUTTER. TRANSITIONS BETWEEN THE TWO CONDITIONS SHALL BE MADE AS SMOOTHLY AS POSSIBLE (THROUGH A MINIMUM DISTANCE OF 5'), USUALLY THROUGH A RADIUS.
12. GUTTER LINE GRADES (INCLUDING GUTTERS IN CREST AND SAG VERTICAL CURVES) SHALL BE ADJUSTED TO MEET A MINIMUM LONGITUDINAL SLOPE OF 0.30%.

SIGNAGE AND STRIPING NOTES:

1. ALL TRAFFIC CONTROL MEASURES SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". THE MANUAL IDENTIFICATION AND DIMENSIONS ARE SHOWN ON STAKING SHEETS FOR EACH REQUIRED SIGN. THE ORIENTATION OF EACH SIGN FROM AN APPROACHING DRIVER'S POINT OF VIEW IS ALSO SHOWN. SIGN AND SUPPORT POST MATERIAL AND INSTALLATION SHALL CONFORM TO THE PERTINENT SECTIONS OF THE CURRENT EDITION OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
2. ALL PAVEMENT MARKINGS (EXCLUDING PARKING STRIPES AND H/C PARKING) SHALL BE THERMOPLASTIC (WITH GLASS BEADS). MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH GEORGIA DOT SPECIFICATIONS, LATEST EDITION.

WATER AND SEWER NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE CONNECTIONS OF SITE UTILITIES TO PLUMBING STUB OUTS. SIZES AND VERTICAL AND HORIZONTAL LOCATIONS SHALL BE CONFIRMED PRIOR TO ORDERING ANY SITE MATERIALS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
2. ALL WATER AND SEWER CONSTRUCTION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE CURRENT BGJWSC SPECIFICATIONS AND REQUIREMENTS.
3. ALL WATER PIPE LESS THAN 4" DIAMETER SHALL BE POLYETHYLENE TUBING CONFORMING TO ALL REQUIREMENTS OF ASTM D1248, GRADE P34, CLASS C, ASTM D2737, PE3408, ASTM D3350, CELL CLASS 335424C, AND AWWA C901. THE TUBING SHALL BE PRESSURE CLASS 200 WITH SDR 9. MARKING OF THE TUBING SHALL INCLUDE: NOMINAL PIPE SIZE, PE 3408, SDR 9, PC 200, AWWA C901, MANUFACTURER'S NAME AND SEAL OR MARK OF TESTING AGENCY CERTIFYING SUITABILITY OF THE PIPE MATERIAL FOR POTABLE WATER PRODUCTS AS PER AWWA C901 SECTION 6.1.2., COPPER TUBE SIZE (CTS).
4. ALL 4" – 12" DIAMETER WATER DISTRIBUTION PIPE SHALL BE PVC AWWA C-900 PRESSURE RATED PIPE, PRESSURE CLASS 150, WITH DIMENSION RATIO 18 OR LOWER OR DUCTILE IRON PIPE CLASS 50 WHERE SHOWN. ALL PVC WATER MAINS SHALL BE BLUE IN COLOR. ALL WATER DISTRIBUTION PIPE GREATER THAN 12" IN DIAMETER SHALL BE CLASS 250 DUCTILE IRON PIPE. ALL FIRE HYDRANT LEAD LINES SHALL BE CLASS 50 DUCTILE IRON WITH CEMENT LINING.
5. GRAVITY SANITARY SEWER PIPE SHALL BE PVC – ASTM D 3034, SDR 26 OR DUCTILE IRON PIPE PRESSURE CLASS 50 WHERE REQUIRED.
6. MANHOLE TOP ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL SET MANHOLE TOPS 2" ABOVE FINISHED GRADE IN UNPAVED AREAS AND FLUSH IN PAVED AREAS OR AS INDICATED ON MANHOLE DETAIL.
7. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES AND A MAXIMUM COVER OF 60 INCHES. A MINIMUM 18 INCHES VERTICAL SEPARATION DISTANCE AND MINIMUM 10 FEET HORIZONTAL SEPARATION DISTANCE SHALL BE PROVIDED BETWEEN ALL WATER MAINS/LATERALS AND ALL STORM LINES AND SANITARY SEWER MAINS/LATERALS. MEASUREMENTS SHALL BE MADE FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL OF NEAREST LOCATION. WHENEVER POSSIBLE, THE WATER MAIN SHALL BE INSTALLED ABOVE STORM AND SANITARY SEWER LINES AS POSSIBLE TO AVOID CONFLICTS.
8. WATER AND SANITARY SEWER SERVICE LINES TERMINATE FIVE FEET FROM THE BUILDING LINES UNDER THE SITE WORK UTILITY CONTRACTOR'S SCOPE OF WORK. REFER TO PLUMBING PLANS FOR EXACT LOCATIONS OF WATER AND SEWER CONNECTIONS. THE SITE WORK UTILITY CONTRACTOR SHALL COORDINATE UTILITY INSTALLATIONS WITH BUILDING PLUMBING, MECHANICAL AND FIRE PROTECTION CONTRACTORS.
9. THE CONTRACTOR SHALL COORDINATE CONNECTION ELEVATIONS OF ALL SERVICES LEAVING THE BUILDING PRIOR TO INSTALLATION OF ANY UNDERGROUND UTILITY.
10. BACKFLOW PREVENTERS AND WATER METERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. WATER METER SHALL BE PURCHASED FROM THE BGJWSC.
11. DISPOSAL OF HIGHLY CHLORINATED WATER SHALL COMPLY WITH THE REQUIREMENTS OF GEORGIA E.P.D. AND AWWA STANDARD C651, LATEST REVISION. IF REQUIRED BY THE BGJWSC; A REDUCING AGENT SHALL BE USED TO NEUTRALIZE THE CHLORINE. HIGHLY CHLORINATED WATER SHALL BE DISCHARGED INTO THE SANITARY SEWER SYSTEM.
12. SEE DETAIL SHEET FOR THRUST RESTRAINT DETAILS.
13. DURING INSTALLATION, WHEN PIPE LAYING IS NOT IN PROGRESS, A MECHANICAL JOINT PLUG OR CAP (OR APPROVED EQUAL) SHALL BE USED TO FORM A WATERTIGHT SEAL AT BOTH ENDS OF THE LINE BEING LAID.
14. FLUSH NEW WATER LINE USING A FULL-SIZE FLUSH WITH A MINIMUM VELOCITY OF 2.5 FT./SEC. FOR A MINIMUM TIME OF 30 MINUTES OR UNTIL LINE IS PURGED OF FOREIGN MATERIAL AND WATER RUNS CLEAR. THIS SHALL BE DONE AFTER THE PRESSURE TEST AND BEFORE DISINFECTION.
15. CLEAN THE INTERIORS OF ALL PIPE BY BRUSHING, SWABBING OR WASHING OUT ALL DIRT BEFORE LAYING.
16. WATER DISTRIBUTION PIPE SHALL HAVE AN AWG 12/1 SINGLE CONDUCTOR SOLID COPPER TRACING WIRE WITH BLUE JACKET INSTALLED ALONG ITS LENGTH AND ATTACHED TO VALVES, HYDRANTS, CORPORATION STOPS AND CURB STOPS.
17. ALL FIRE HYDRANTS SHALL HAVE A #12 GAUGE INSULATED SINGLE STRAND COPPER TRACING WIRE INSTALLED ALONG THE BARREL, WRAPPED AROUND THE BOTTOM FLANGE, AND ATTACHED TO THE WIRE ON THE WATER MAIN.
18. A NO. 10 SOLID PLASTIC COATED (30 MIL) SINGLE STRAND COPPER TRACING WIRE SHALL BE STRAPPED TO ALL FORCEMAIN PIPE AND ATTACHED TO ALL ASSOCIATED APPURTENANCES.
19. PIPE FITTINGS, VALVES AND OTHER ACCESSORIES SHALL, UNLESS OTHERWISE DIRECTED, BE UNLOADED AT THE POINT OF DELIVERY AND STORED WHERE THEY WILL BE PROTECTED AND WILL NOT BE HAZARDOUS TO TRAFFIC. THEY SHALL AT ALL TIMES BE HANDLED WITH CARE TO AVOID DAMAGE. THE INTERIOR OF ALL PIPE, FITTINGS AND OTHER ACCESSORIES SHALL BE KEPT FREE FROM DIRT AND FOREIGN MATTER AT ALL TIMES.
20. ANY DEFECTIVE, DAMAGED, OR UNSOUND PIPE SHALL BE REJECTED. ALL FOREIGN MATTER OR DIRT SHALL BE REMOVED FROM INSIDE THE PIPE BEFORE IT IS LOWERED INTO ITS POSITION IN THE TRENCH AND SHALL BE KEPT CLEAN BY APPROVED MEANS DURING AND AFTER LAYING. CARE SHALL BE TAKEN TO PREVENT DIRT FROM ENTERING THE JOINT SPACE. AT TIMES WHEN PIPE LAYING IS NOT IN PROGRESS, THE ENDS OF THE PIPE SHALL BE CLOSED BY APPROVED MEANS, AND NO TRENCH WATER SHALL BE PERMITTED TO ENTER THE PIPE.
21. AN APPROVED WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON THE SITE.
22. ALL MATERIALS USED THAT COME INTO CONTACT WITH DRINKING WATER DURING ITS DISTRIBUTION SHALL NOT ADVERSELY AFFECT DRINKING WATER QUALITY AND PUBLIC HEALTH AND MUST BE CERTIFIED FOR CONFORMANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE/ NATIONAL SANITATION FOUNDATION STANDARD 61 (ANSI/NSF STANDARD 61).
23. NOTIFY BGJWSC PERSONNEL 48 HOURS BEFORE TAPPING OPERATION OF WATER & SEWER LINES.
24. THERE SHALL BE A MINIMUM OF 2' OF SEPARATION BETWEEN ALL FITTINGS ON THE WATER MAIN.

ADA ACCESSIBILITY NOTES:

1. ALL MARKED ADA ACCESSIBLE PARKING SPACES AND STRIPED ACCESSIBILITY AISLES ARE TO HAVE NO MORE THAN A 1:50 SLOPE IN ANY DIRECTION.
2. UNLESS SHOWN OTHERWISE, ALL SIDEWALKS ARE TO HAVE NO MORE THAN A 1:20 RUNNING (LONGITUDINAL) SLOPE AND NO MORE THAN A 1:50 CROSS (TRANSVERSE) SLOPE.
3. IF CONTRACTOR NOTICES ANY DISCREPANCIES BETWEEN THE DESIGN AND ANY OF THE ABOVE SLOPE REQUIREMENTS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE ENGINEER PRIOR TO POURING ANY CONCRETE SO THAT A SOLUTION CAN BE FOUND.

AS-BUILT REQUIREMENTS:

1. CONTRACTOR SHALL FURNISH AS-BUILT DATA TO THE ENGINEER MEETING THE REQUIREMENTS OF THE BJWSC FOR CLOSE-OUT. THESE REQUIREMENTS ARE PUBLISHED IN THE BGJWSC RECORD DRAWINGS (AS BUILT) STANDARDS, AVAILABLE ON THE BGJWSC WEBSITE. THIS INCLUDES A REQUIREMENT FOR AN AS-BUILT SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF GEORGIA.

SPECIAL NOTES:

1. **THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.**
2. **THE INTERIOR ROADWAYS AND DRAINAGE SYSTEM FOR THIS PROJECT WILL BE PRIVATE AND MAINTAINED BY THE COLLEGE OF COASTAL GEORGIA.**
3. **ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.**

LEGEND:

	EXISTING	PROPOSED
SURVEY FEATURES		
BENCHMARK (DATUM NAVD88)	△	
HOR. CONTROL POINT (GA. EAST ST. PLANE)	△	
SIGN		SEE LANDSCAPE PLAN
TREE		SEE LANDSCAPE PLAN
LIGHT POLE		SEE LANDSCAPE PLAN
ELECTRICAL BOX	E	
UNDERGROUND ELECTRICITY	UE	UE
UNDERGROUND FIBER	FO	FO
SOIL TYPES	XX	XX
GENERAL		
DEMOLITION		
PROPERTY/LOT LINE		
RIGHT OF WAY		
EASEMENT		
SETBACK		
ROAD CENTERLINE		
PAVING (BITUMINOUS ASPHALT PAVING)		
ASPHALT (HEAVY DUTY)		
PAVING (PORTLAND CEMENT CONCRETE)		
CONCRETE (PEDESTRIAN SIDEWALK)		
CONCRETE (HEAVY DUTY)		
CURBING		
STANDARD CURB & GUTTER		
HEADER CURB		
SPOT ELEVATIONS		
FINISHED GRADE	XX.XX	× FGXX.XX
TOP OF PAVEMENT	XX.XX	× TPXX.XX
TOP OF CURB	XX.XX	× TCXX.XX
TOP OF WALK	XX.XX	× TWXX.XX
TOP OF SLOPE	XX.XX	× TSXX.XX
BASE OF SLOPE	XX.XX	× BSXX.XX
FINISHED FLOOR ELEVATION	XFFXX.XX	×FFEXX.XX
TOP OF WALL	XX.XX	×T/WXX.XX
BASE OF WALL	XX.XX	×B/WXX.XX
HIGHPOINT (PAVEMENT CENTERLINE)	XX.XX	× {HP} XX.XX
LOW POINT (PAVEMENT CENTERLINE)	XX.XX	× {LP} XX.XX
POINT OF VERTICAL INTERSECTION	XX.XX	× {PVI} XX.XX
CONTOUR	14	20
WATER		
VALVE		
WATER METER	W	
BACKFLOW PREVENTION DEVICE	X	
FIRE HYDRANT		
FIRE DEPARTMENT CONNECTION		
RJ TEE		
RJ BEND		
WATER LINE (SIZE UNDETERMINED)	W	W
DOMESTIC WATER SERVICE (¾", 1", & 1½" SVC.)	W	W
4" DOMESTIC WATER SERVICE/MAIN	4"W	4"W
6" DOMESTIC WATER SERVICE/MAIN	6"W	6"W
8" FIRE WATER SERVICE	8"F	8"F
SEWER		
MANHOLE	S	
FORCEMAIN (SIZE UNDETERMINED)	FM	FM
DRAINAGE		
MANHOLE		
GRATE INLET/DROP INLET/ROOF INLET		
ELECTRICAL	XX"ST	ST
LIGHT POLE/FIXTURE		
UNDERGROUND ELECTRICITY	UE	UE

GEORGIA REGISTERED No. 34592 PROFESSIONAL ENGINEER KEVIN A. BENNETT

December 14, 2018 - 8:56 AM Printed By: ebennett

CALL 811 BEFORE YOU DIG 811 811 SAFE DIGGING PARTNER

HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T:912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
EAB	EAB	EAB

SCALE: N.T.S.

JOB NO. 122273642

02/26/2024

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

CONSTRUCTION NOTES AND LEGEND

DRAWING NUMBER

C00.01

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4" DIA. STEEL POST

SINGLE STORY BRICK BLDG.

ROOF LINE

ROOF LINE

MAP SIGN

HANDICAP PARKING SIGN (5)

STEPS

STEPS

WIDE DOUBLE VALVE BOX

CONTROL BOX

METER

2'X3' HANDHOLE

CONTROL BOX

CHILLER LINE
9'X8' CHILLER

CONTROL BOX

WELL

GRATE INLET
TOP=14.76
I.E. 15" RCP (E)=11.61

GREENHOUSE

8" DIA. BUSH

GRATE INLET
TOP=13.46
I.E. 15" RCP (E)=10.91

GRATE INLET
TOP=13.45
I.E. 15" RCP (W)=10.62
I.E. 18" RCP (S)=10.36

GRATE INLET
TOP=13.46
I.E. 18" RCP (E)=10.57
I.E. 18" RCP (S)=10.73
I.E. 15" RCP (W)=10.76

GRATE INLET
TOP=13.49
I.E. 18" RCP (N)=9.92
I.E. 18" RCP (W)=10.09
18" RCP (E) OUT

GRATE INLET
TOP=13.50
I.E. 18" RCP (N)=10.97

1'X2' HANDHOLE

GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40' 50' 100'

NOTE: ALL ELEVATIONS ARE NAVD 1988.

GMP SUBMITTAL - NOT FOR CONSTRUCTION

GEORGIA REGISTERED ENGINEER JOHN A. BENNETT

NOT FOR CONSTRUCTION

811 CALL 811 BEFORE YOU DIG SAFE DIGGING PRACTICE

HUSSEY GAY BELL
Established 1958
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REVISIONS: △

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SCALE: 1" = 20'

JOB NO. 122273642

02/26/2024

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

EXISTING CONDITIONS PLAN

DRAWING NUMBER

C01.01

4" DIA. STEEL POST

ROOF LINE

ROOF LINE

SINGLE STORY BRICK BLDG.

MAP SIGN

HANDICAP PARKING SIGN (S)

STEPS

WIDE DOUBLE VALVE BOX

REMOVE EXISTING VEGETATION

GRATE INLET
TOP=13.46
I.E. 15" RCP (E)=10.91

GRATE INLET
TOP=13.45
I.E. 15" RCP (W)=10.62
I.E. 18" RCP (S)=10.36

DEMOLISH TRANSFORMER, KEEP PAD

STEPS

CONTROL BOX

METER

2'X3' HANDHOLE

CONTROL BOX

PROTECT EXISTING VEGETATION

PROTECT EXISTING VEGETATION

PROTECT EXISTING CONCRETE PAVEMENT

EXISTING TRANSFORMER TO BE REMOVED AND REPLACED

POWER LINE

CHILLER

PROTECT EXISTING CHILLER

REMOVE EXISTING STORM PIPE

REMOVE EXISTING TREE (TYP.)

REMOVE EXISTING TREE (TYP.)

PINE

PINE

PINE

PINE

DEMOLISH EXISTING CONTROL BOX

CONTROL BOX

4" WELL

DEMOLISH EXISTING WELL. CAP IN ACCORDANCE WITH EPD GUIDELINES

END OF STORM PIPE REMOVAL

SAWCUT AND DEMOLISH EXISTING CONCRETE CURB AND GUTTER

REMOVE EXISTING VEGETATION

PROTECT EXISTING GRATE INLET

GRATE INLET
TOP=13.46
I.E. 18" RCP (E)=10.57
I.E. 18" RCP (S)=10.73
I.E. 15" RCP (W)=10.76

PROTECT EXISTING STORM PIPE

GRATE INLET
TOP=14.76
I.E. 15" RCP (E)=11.61

REMOVE EXISTING GRATE INLET

HOLLY

DEMOLISH EXISTING WATER VALVES

REMOVE EXISTING VEGETATION

DEMOLISH EXISTING ASPHALT DRIVEWAY

GREENHOUSE

DEMOLISH EXISTING GREENHOUSE

REMOVE EXISTING VEGETATION

PROTECT EXISTING LIGHT POLE

GRATE INLET
TOP=13.49
I.E. 18" RCP (N)=9.92
I.E. 18" RCP (W)=10.09
18" RCP (E) OUT

8' DIA. BUSH

REMOVE EXISTING BUSH

SAWCUT AND DEMOLISH EXISTING CURB

PROTECT EXISTING GRATE INLET

GRATE INLET
TOP=13.50
I.E. 18" RCP (N)=10.97

SAW CUT EXISTING PAVEMENT FOR CLEAN EDGE

DEMOLISH EXISTING CONCRETE CURB AND GUTTER

SAWCUT AND DEMOLISH EXISTING CONCRETE CURB AND GUTTER

REMOVE EXISTING VEGETATION

PROTECT EXISTING ASPHALT DRIVEWAY

SAW CUT AND DEMOLISH EXISTING CONCRETE CURB AND GUTTER

PROTECT EXISTING ASPHALT DRIVEWAY

REMOVE EXISTING VEGETATION

PROTECT EXISTING VEGETATION

SAW CUT AND DEMOLISH EXISTING CURB AND GUTTER AND ASPHALT PAVEMENT FOR UTILITY INSTALLATION

1'X2' HANDHOLE

PROTECT EXISTING CONCRETE CURB AND GUTTER

SAW CUT AND DEMOLISH EXISTING CURB AND GUTTER AND ASPHALT PAVEMENT FOR UTILITY INSTALLATION

SAW CUT AND DEMOLISH EXISTING CURB AND GUTTER AND ASPHALT PAVEMENT FOR UTILITY INSTALLATION

SAW CUT AND DEMOLISH EXISTING CURB AND GUTTER AND ASPHALT PAVEMENT FOR UTILITY INSTALLATION

GRAPHIC SCALE

1" = 20'

0' 10' 20' 30' 40' 50' 100'

NOTE: ALL ELEVATIONS ARE NAVD 1988.

GMP SUBMITTAL - NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. 34592 PROFESSIONAL ENGINEER EVAN A. BENNETT

HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406/ T:912.354.4626

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02/26/2024

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

DEMOLITION PLAN

DRAWING NUMBER

C02.01

4" DIA. STEEL POST

ROOF LINE

ROOF LINE

SINGLE STORY BRICK BLDG.

MAP SIGN

HANDICAP PARKING SIGN (5)

CONCRETE SIDEWALK (TYP.)

STEPS

STEPS

FUTURE ACCESS ROAD (BY OTHERS)

PROPOSED CHILLER, SEE MECH.

54.18'

23.69'

35.48'

68.44'

56.81'

HEAVY DUTY ASPHALT PAVEMENT

N: 429966.821
E: 868597.239

22.88'

TAPER CURB OVER 5'

24 LF ROLL CURB & GUTTER FOR FIRE TRUCK ACCESS

TAPER CURB OVER 5'

HEAVY DUTY CONCRETE PAVEMENT

BRICK PAVERS ON CONCRETE BED, SEE DETAIL (TYP.), COLOR AND PATTERN SELECTION BY OWNER.

CONCRETE SIDEWALK (TYP.)

COMMUNITY CENTER FOR THE ARTS
FFE = 15.95

GREEN SPACE

BRICK PAVERS ON SAND BED, SEE DETAIL (TYP.), COLOR AND PATTERN SELECTION BY OWNER.

5.76'

N: 429859.014
E: 868573.231

TYPE "A" CURB RAMP, SEE DETAIL

9' TYP.

9' TYP.

RE-STRIPE TO CONVERT EXISTING STALLS TO ADA STALLS & LOADING ZONES

ADA SIGNS MOUNTED IN BOLLARDS

PROPOSED 8' CROSSWALK, SEE DETAIL

18.85'

49.52'

CONCRETE SIDEWALK THROUGH ISLAND, NOTCH CURB ON EACH END

FUTURE ACCESS ROAD (BY OTHERS)

CONCRETE SIDEWALK (TYP.)

5' (B.O.C.)

5' (B.O.C.)

9' TYP.

9' TYP.

ASPHALT PAVEMENT REPLACEMENT, SEE DETAIL (TYP.)

20' (TYP.)

RESTRIPE AS NEEDED AFTER PAVEMENT REPLACEMENT

RE-STRIPE TO CONVERT EXISTING STALLS TO ADA STALLS & LOADING ZONES

EXTENDED TYPE "B" CURB RAMP, SEE DETAIL

ADA PARKING SIGN (TYP.)

REPLACE CURB & GUTTER FOR RAMP

REPLACE 18" CURB & GUTTER AFTER UTILITY INSTALLATION (TYP.)

R486.3'

21.41'

69.4'

SAW CUT CLEAN EDGE

SAW CUT CLEAN EDGE, INSTALL 18" CURB & GUTTER

N: 429791.989
E: 868737.072

HEAVY DUTY ASPHALT PAVEMENT

18" CURB AND GUTTER

REPLACE 18" CURB & GUTTER AFTER UTILITY INSTALLATION (TYP.)

ASPHALT PAVEMENT REPLACEMENT, SEE DETAIL (TYP.)

REPLACE 18" CURB & GUTTER AFTER UTILITY INSTALLATION (TYP.)

PROPOSED POND
TOP OF BANK = 14.67
BOTTOM ELEV = 10.67

GRAPHIC SCALE

1" = 20'

0' 10' 20' 30' 40' 50' 100'

NOTE: ALL ELEVATIONS ARE NAVD 1988.

GMP SUBMITTAL - NOT FOR CONSTRUCTION

GEORGIA REGISTERED ENGINEER JOHN A. BENNETT

NOT FOR CONSTRUCTION

811 CALL 811 BEFORE YOU DIG SAFE DIGGING PRACTICE

HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406/T:912.354.4626

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SCALE: 1" = 20'

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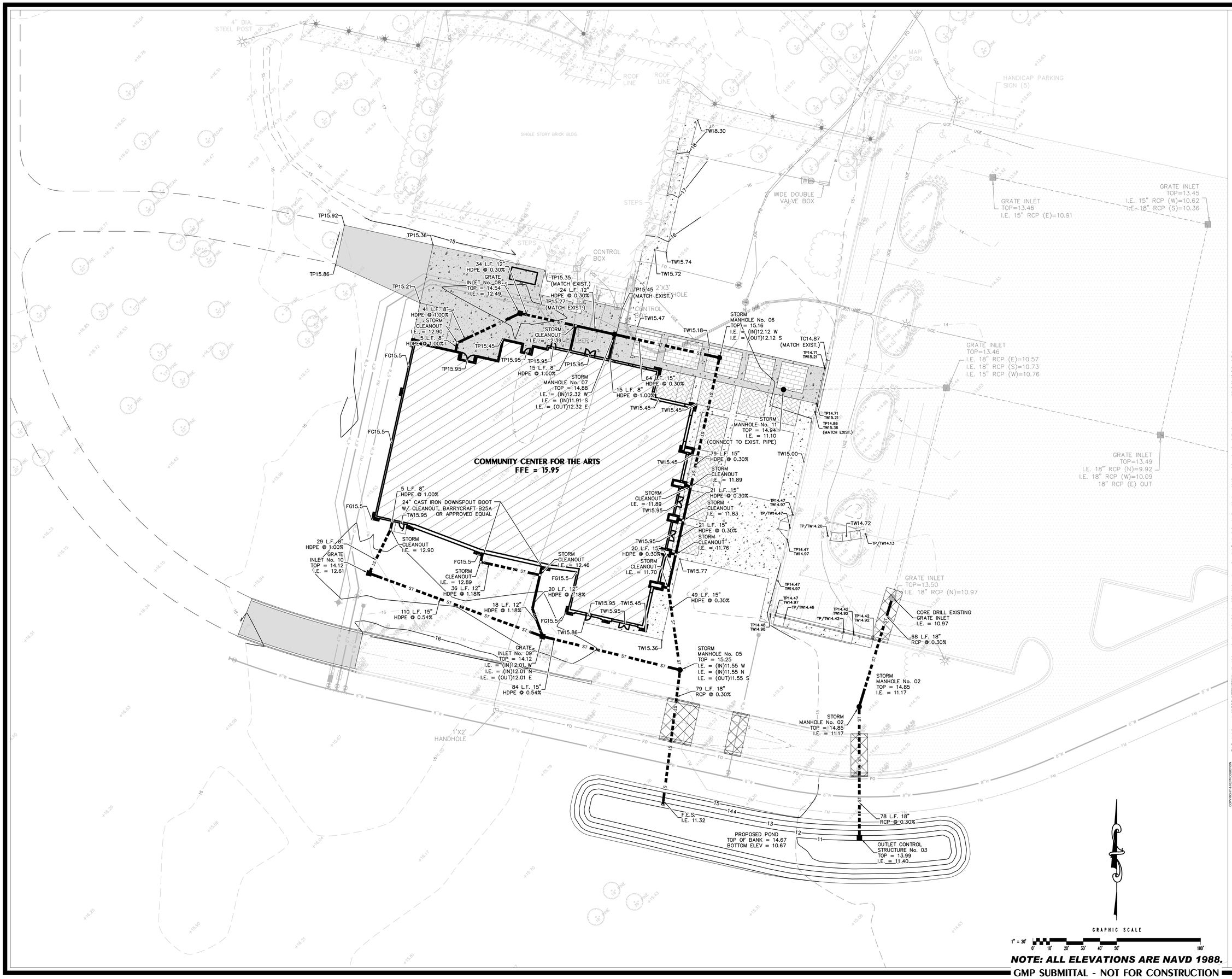
02/26/2024

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

STAKING AND TRAFFIC CONTROL PLAN

DRAWING NUMBER

C03.01



NOTE: ALL ELEVATIONS ARE NAVD 1988.

GMP SUBMITTAL - NOT FOR CONSTRUCTION

NOT FOR CONSTRUCTION

GEORGIA REGISTERED ENGINEER JOHN A. BENNETT

CALL 811 BEFORE YOU DIG

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406/T:912.354.4626

REVISIONS: △

DESIGNED	DRAWN	CHECKED
EAB	EAB	EAB

SCALE: 1" = 20'

JOB NO. 122273642

02/26/2024

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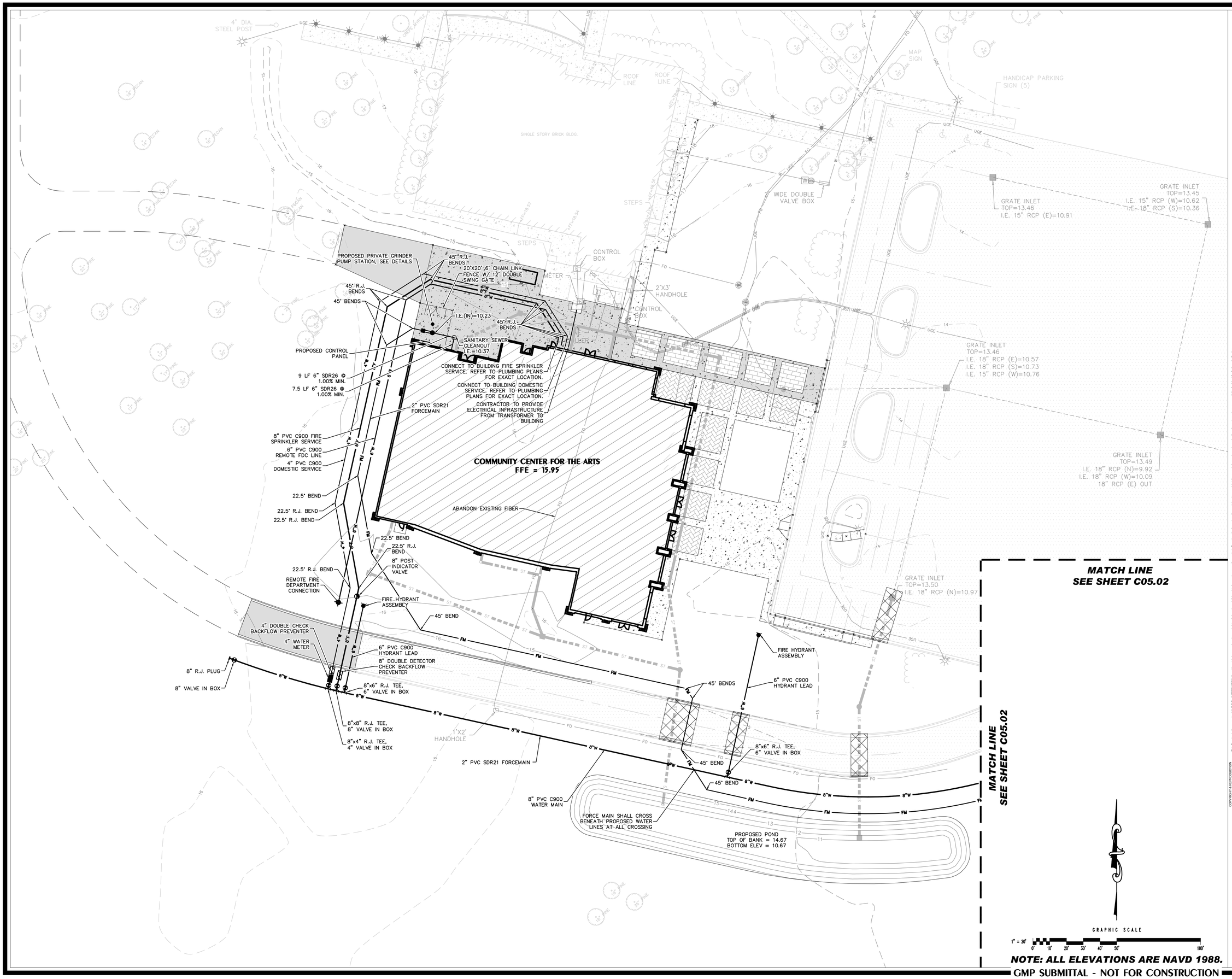
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

PAVING, GRADING AND DRAINAGE PLAN

DRAWING NUMBER

C04.01

December 14, 2018 - 8:56 AM Printed By ebennett



NOTE: ALL ELEVATIONS ARE NAVD 1988.

GMP SUBMITTAL - NOT FOR CONSTRUCTION

NOT FOR CONSTRUCTION

GEORGIA REGISTERED ENGINEER JOHN A. BENNETT

811 CALL 811 BEFORE YOU DIG

HUSSEY GAY BELL

Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406/ T:912.354.4626

REVISIONS: △

DESIGNED	DRAWN	CHECKED
EAB	EAB	EAB

SCALE: 1" = 20'

JOB NO. 122273642

02/26/2024

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

SEWER AND WATER DISTRIBUTION PLAN

DRAWING NUMBER

C05.01

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December 14, 2018 - 8:56 AM

MATCH LINE
SEE SHEET C05.01

MATCH LINE
SEE SHEET C05.01

8" PVC C900
WATER MAIN

8"W

8"x8" TAPPING SADDLE WITH
VALVE IN BOX

45° BENDS

FM

2" PVC SDR21 FORCEMAIN

CORE DRILL EXISTING MANHOLE, CONNECT WITH INSIDE DROP PER DETAIL, COAT THIS AND NEXT
TWO (2) MANHOLES DOWNSTREAM IN ACCORDANCE WITH BGJWSC REQUIREMENTS

OHE
FO
GAS
W
PINE

BENCHMARK
NAIL SET IN POWER POLE
ELEV. = 15.72 NAVD 88

GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40' 50' 100'

NOTE: ALL ELEVATIONS ARE NAVD 1988.

GMP SUBMITTAL - NOT FOR CONSTRUCTION

GEORGIA
REGISTERED
No. 34592
PROFESSIONAL
ENGINEER
KEVAN A. BENNETT

HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T:912.354.4626

CALL 811 BEFORE YOU DIG
811
SAFE DIGGING PARTNER

REVISIONS: △

DESIGNED	DRAWN	CHECKED
EAB	EAB	EAB

JOB NO. 122273642

02/26/2024

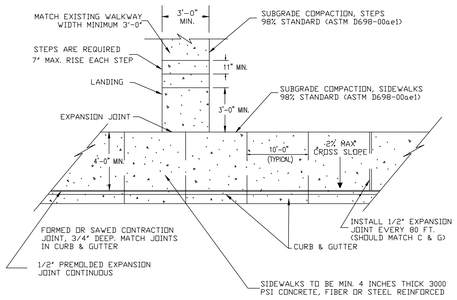
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

SEWER AND WATER DISTRIBUTION PLAN

DRAWING NUMBER

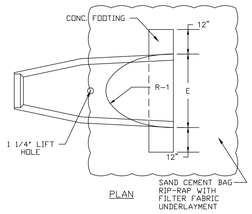
C05.02

December 14, 2018 - 8:56 AM Printed By: ebennett

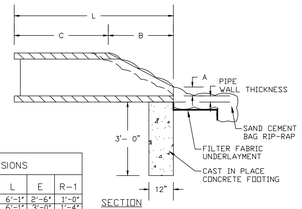


NOTES:
1. ALL CONSTRUCTION SHALL CONFORM TO TECHNICAL SPECIFICATIONS.
2. CONTRACTION JOINTS SHOULD BE FORMED OR SAWED COINCIDENT WITH THE 10' JOINTS IN THE CURB.
3. ADA COMPLIANT WHEELCHAIR RAMPS SHALL BE INSTALLED AT EACH INTERSECTION OR DESIGNATED CROSSWALK LOCATION AND MUST MEET THE MOST CURRENT ADA STANDARDS AND SPECIFICATIONS AT THE TIME OF CONSTRUCTION.

SIDEWALK & SIDEWALK DETAIL
N.T.S.



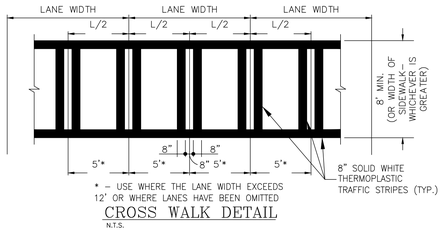
PLAN



SECTION

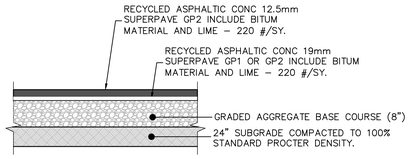
FLARE DIMENSIONS						
PIPE DIA.	A	B	C	L	E	R-1
15"	6"	2'-3"	3'-10"	6'-1"	2'-6"	1'-0"
18"	9"	2'-3"	3'-10"	6'-1"	3'-0"	1'-4"
24"	10"	3'-8"	5'-6"	6'-2"	4'-0"	1'-5"
30"	12"	4'-6"	1'-8"	6'-2"	5'-0"	1'-6"
36"	16"	5'-3"	2'-11"	8'-2"	6'-0"	2'-0"
42"	21"	5'-3"	2'-11"	8'-2"	6'-6"	2'-4"
REINFORCEMENT CONFORMS TO ASTM A1064						

FLARED END SECTION
N.T.S.

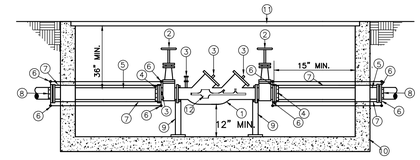


* – USE WHERE THE LANE WIDTH EXCEEDS 12' OR WHERE LANES HAVE BEEN OMITTED

CROSS WALK DETAIL
N.T.S.



HEAVY DUTY PAVING SECTION

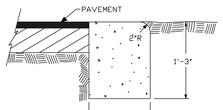


MATERIALS		
ITEM	QUAN.	DESCRIPTION
1	1	DOUBLE DETECTOR CHECK VALVE ASSEMBLY
2	2	OS&Y RESILIENT SEAT GATE VALVES
3	4	TEST COCKS
4	2	COMPANION FLANGE
5		DUCTILE IRON PIPE, CUT TO FIT
6	8	CARBON STEEL EYE BOLTS
7		3/4 GALV. OR CADMIUM ALL THREAD ROD
8		MEGA LUG OR EQUIVALENT FOR DUCTILE PIPE
9	2	2" SCH. 40 GALV. PIPE STAND & BASE BOLTED TO FLANGE
10		PIT-CEMENT BLOCK, POURED CONCRETE, OR PREFABRICATED BOX PER CITY SPECS.
11		3/8 ALUMINUM FLOOR PLATE / HATCH COVER
12	1	3/4 CUBIC FT. BYPASS METER

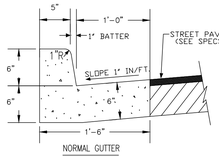
NOTE:
1. FOR FINAL APPROVAL, ASSEMBLY MUST BE CENTERED IN ENCLOSURE UNDER NO CONDITION WILL ANY CONNECTION BE ALLOWED BETWEEN THE SERVICE METER AND A BACKFLOW PREVENTER USED FOR SYSTEM CONTAINMENT. BACKFLOW PREVENTER SHALL ALWAYS BE INSTALLED DOWNSTREAM OF METER.
2. IF A PRESSURE MONITOR IS TO BE INSTALLED, ADD A TEE, VALVE, FITTINGS, AND MOUNT ON SUPPLY SIDE PRIOR TO BACKFLOW PREVENTION DEVICE; UNDER NO CIRCUMSTANCE, SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR THIS OR OTHER APPLICATION, OTHER THAN BACKFLOW DEVICE TESTING.

8" DOUBLE DETECTOR CHECK VALVE ASSEMBLY AND ENCLOSURE
N.T.S.

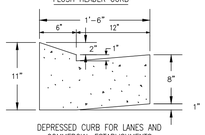
STANDARD DEPRESSED CURB AND GUTTER



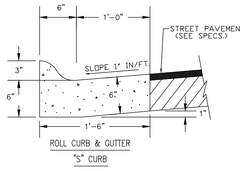
FLUSH HEADER CURB



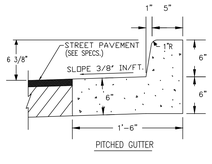
NORMAL GUTTER



DEPRESSED CURB FOR LANES AND COMMERCIAL ESTABLISHMENTS



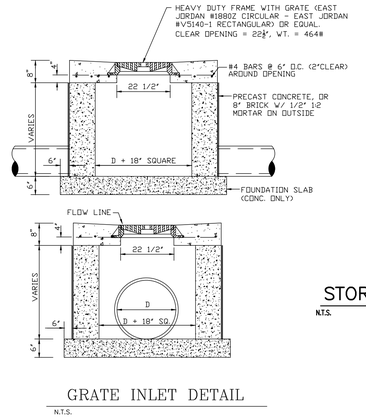
ROLL CURB & GUTTER "S" CURB



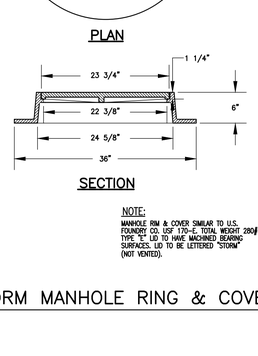
PITCHED GUTTER

NOTES:
1. ALL CONSTRUCTION SHALL CONFORM TO THE PROJECT TECHNICAL SPECIFICATIONS.
2. BASE COMPACTION UNDER CURB TO BE 98% (ASTM D698).
3. CONTRACTION JOINTS TO BE SAW CUT NO LATER THAN 24 HOURS AFTER THE POUR.

CURB & GUTTER DETAILS
N.T.S.



GRATE INLET DETAIL
N.T.S.

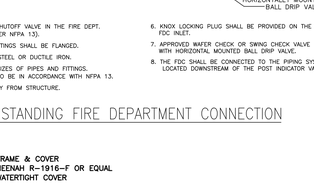


PLAN

SECTION

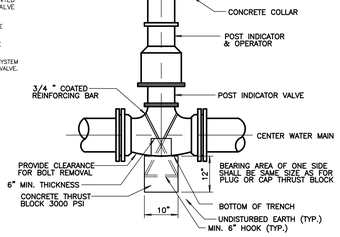
NOTE:
MANHOLE RIM & COVER SIMILAR TO U.S. FOUNDRY CO. USF 170-E, TOTAL WEIGHT 280# TYPE 'E' LID TO HAVE MACHINED BEARING SURFACES. LID TO BE LETTERED "STORM" (NOT VENTED).

STORM MANHOLE RING & COVER
N.T.S.



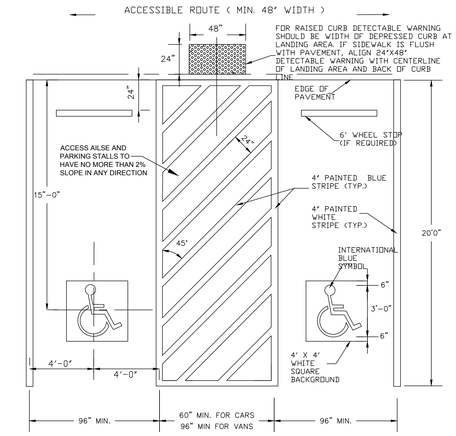
NOTES:
1. THERE SHALL BE NO SHUTOFF VALVE IN THE FIRE DEPT. CONNECTION PIPING (PER NFPA 13).
2. ALL ABOVE GROUND FITTINGS SHALL BE FLANGED.
3. ALL PIPING SHALL BE STEEL OR DUCTILE IRON.
4. SEE SITE PLANS FOR SIZES OF PIPES AND FITTINGS. SIAMESE CONNECTION TO BE IN ACCORDANCE WITH NFPA 13.
5. PROVIDE DRAINAGE AWAY FROM STRUCTURE.
6. KNOX LOCKING PLUG SHALL BE PROVIDED ON THE FDC INLET.
7. APPROVED WAFER CHECK OR SWING CHECK VALVE WITH HORIZONTAL MOUNTED BALL DRIP VALVE.
8. THE FDC SHALL BE CONNECTED TO THE PIPING SYSTEM LOCATED DOWNSTREAM OF THE POST INDICATOR VALVE.

FREE STANDING FIRE DEPARTMENT CONNECTION
N.T.S.



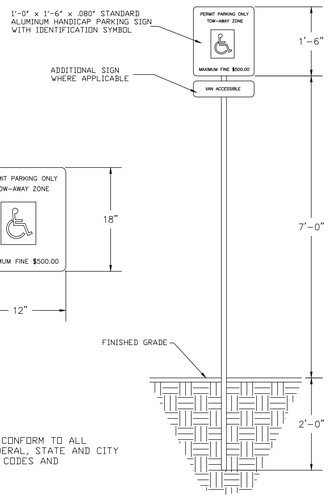
NOTE:
POST INDICATOR VALVE SHALL INCLUDE A SUPERVISORY / TAMPER PROOF SWITCH. COORDINATE WITH ELECTRICAL/COMMUNICATION PLANS

POST INDICATOR AND VALVE
N.T.S.



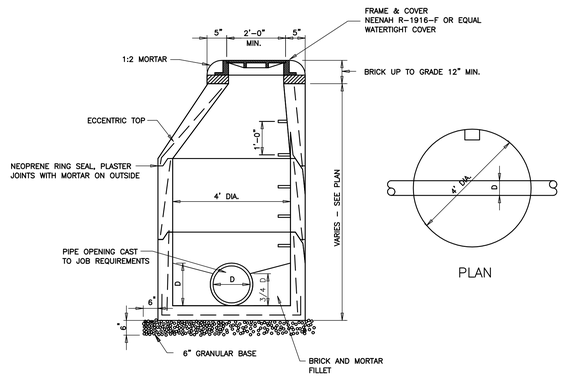
NOTE:
1. STRIPING AND CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND PROJECT CODES AND SPECIFICATIONS.
2. ALL PAVEMENT MARKINGS AND STRIPING IN THE RIGHT-OF-WAY SHALL BE THERMOPLASTIC.

ADA HANDICAP PARKING SPACE STRIPING DETAIL
N.T.S.



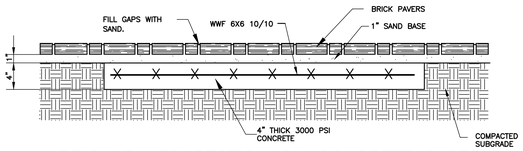
NOTE:
SIGNAGE SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND CITY OF STATESBORO CODES AND SPECIFICATIONS

HANDICAP PARKING SIGN DETAIL
N.T.S.

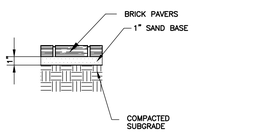


STANDARD MANHOLE
N.T.S.

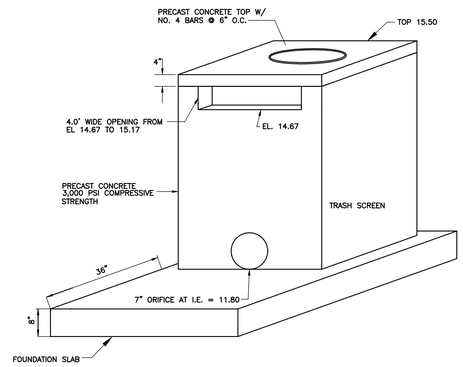
PLAN



BRICK PAVER SECTION ON CONCRETE BASE
N.T.S.



BRICK PAVER SECTION ON SAND BASE
N.T.S.



NOTES:
1. FRAME AND COVER SHALL BE NEENAH CATALOG No. R-5900-F OR EQUIVALENT, NONVENTED, STAMPED "STORM".
2. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4"
3. EXTEND THE BOTTOM SLAB 48" (MINIMUM) BEYOND STRUCTURE WALL

OUTLET CONTROL STRUCTURE
N.T.S.

GMP SUBMITTAL - NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. 34592 PROFESSIONAL ENGINEER EVAN A. BENNETT

CALL 811 BEFORE YOU DIG 811 811 SAFE DIGGING PAYING

HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406/ T:912.354.4626

December 14, 2018 - 8:56 AM Printed By ebennett

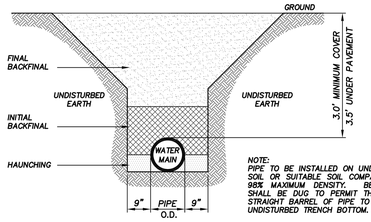
REVISIONS:

DESIGNED	DRAWN	CHECKED
EAB	EAB	EAB
SCALE: N.T.S.		
JOB NO. 122273642		
02/26/2024		

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

CONSTRUCTION DETAILS

DRAWING NUMBER
C06.01



NOTE:
PIPE TO BE INSTALLED ON UNDISTURBED SOIL OR SUITABLE SOIL COMPACTED TO 98% MAXIMUM DENSITY. BELL HOLE SHALL BE DUG TO PERMIT THE ENTIRE STRAIGHT BARREL OF PIPE TO REST ON UNDISTURBED TRENCH BOTTOM.

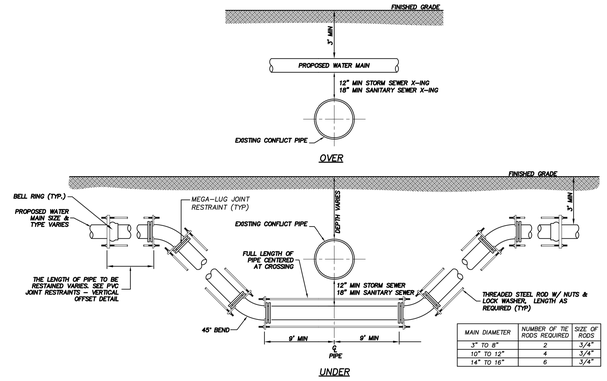
NOT TO SCALE

BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
700 Gloucester Street, Suite 300 Phone: (912) 261-7110
Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

PRESSURE PIPE TRENCH DETAIL

JWSC STANDARD DETAIL 2-1

Date: AUGUST 2011



MAIN DIAMETER	NUMBER OF TIE RODS REQUIRED	SIZE OF RODS
3" TO 8"	2	3/4"
10" TO 12"	4	3/4"
14" TO 16"	6	3/4"

NOT TO SCALE

BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
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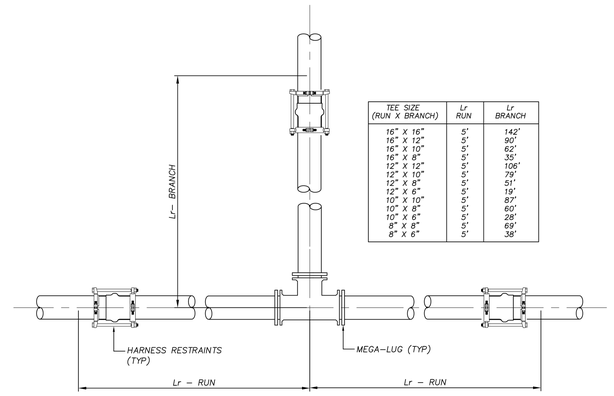
Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

UTILITY CONFLICT DETAIL

JWSC STANDARD DETAIL 2-2

Date: AUGUST 2011



TEE SIZE (RUN X BRANCH)	Lr RUN	Lr BRANCH
16" X 16"	5'	142'
16" X 12"	5'	90'
16" X 10"	5'	62'
16" X 8"	5'	35'
12" X 12"	5'	106'
12" X 10"	5'	79'
12" X 8"	5'	51'
12" X 6"	5'	19'
10" X 10"	5'	87'
10" X 8"	5'	60'
10" X 6"	5'	28'
8" X 8"	5'	69'
8" X 6"	5'	38'

NOT TO SCALE

BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
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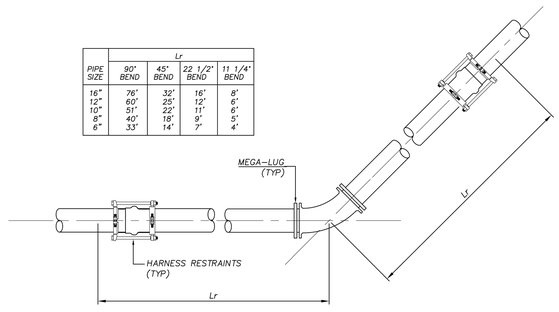
Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

PVC JOINTS RESTRAINTS - TEE

JWSC STANDARD DETAIL 2-3

Date: AUGUST 2011

PIPE SIZE	Lr 90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
16"	76'	32'	16'	8'
12"	60'	25'	12'	6'
10"	51'	22'	11'	6'
8"	40'	18'	9'	5'
6"	33'	14'	7'	4'



NOT TO SCALE

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Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

PVC JOINTS RESTRAINTS - HORIZONTAL BEND

JWSC STANDARD DETAIL 2-4

Date: AUGUST 2011

REDUCER SIZE	Lr
16" X 12"	75'
16" X 10"	104'
16" X 8"	128'
16" X 6"	147'
12" X 10"	40'
12" X 8"	72'
12" X 6"	99'
10" X 8"	39'
10" X 6"	71'
8" X 6"	41'
8" X 4"	69'
6" X 4"	38'

NOT TO SCALE

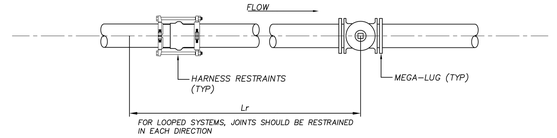
BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
700 Gloucester Street, Suite 300 Phone: (912) 261-7110
Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

PVC JOINTS RESTRAINTS - REDUCER

JWSC STANDARD DETAIL 2-5

Date: AUGUST 2011

LINE SIZE	Lr
16"	175'
12"	136'
10"	115'
8"	96'
6"	74'
4"	52'



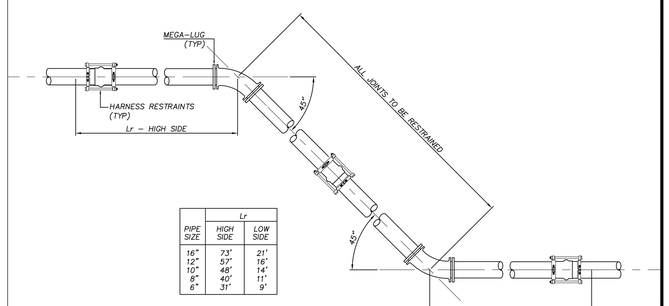
NOT TO SCALE

BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
700 Gloucester Street, Suite 300 Phone: (912) 261-7110
Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

PVC JOINTS RESTRAINTS - IN-LINE VALVE

JWSC STANDARD DETAIL 2-6

Date: AUGUST 2011



PIPE SIZE	Lr HIGH SIDE	LOW SIDE
16"	73'	21'
12"	57'	16'
10"	48'	14'
8"	40'	11'
6"	31'	9'

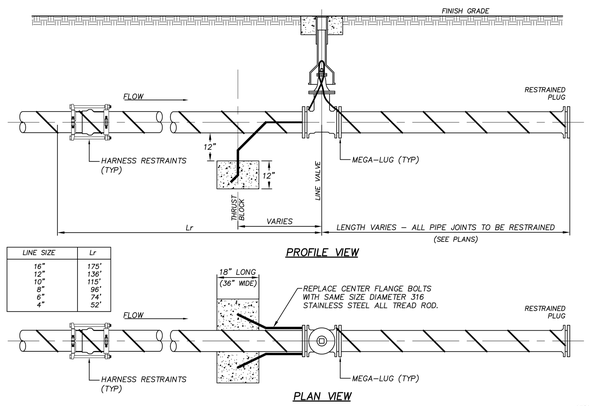
NOT TO SCALE

BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
700 Gloucester Street, Suite 300 Phone: (912) 261-7110
Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

PVC JOINTS RESTRAINTS - VERTICAL OFFSET

JWSC STANDARD DETAIL 2-7

Date: AUGUST 2011



LINE SIZE	Lr
16"	175'
12"	136'
10"	115'
8"	96'
6"	74'
4"	52'

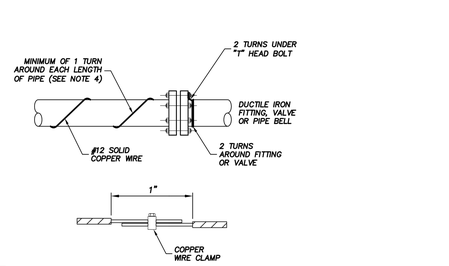
NOT TO SCALE

BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
700 Gloucester Street, Suite 300 Phone: (912) 261-7110
Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

PVC JOINTS RESTRAINTS - TEMPORARY DEAD END

JWSC STANDARD DETAIL 2-8

Date: AUGUST 2011



NOTE:
1. USE #12 AWG SOLID PLASTIC COATED COPPER WIRE.
2. STRIP 2" OF COATING & WRAP WIRE 2 TURNS UNDER "T" HEAD BOLT ON TOP OF DUCTILE IRON FITTING (VALVE). NEXT WRAP WIRE 2 TURNS AROUND BELL OF FITTING (VALVE) AND WIND WITH A CONTINUOUS LENGTH OF AT LEAST 4 WRAPS PER LENGTH OF PVC PIPE TO THE NEXT DUCTILE IRON FITTING. TERMINATE AT FITTING IN A SIMILAR MANNER AS NOTED ABOVE.
3. ALL SPLICES MUST BE MADE BY USING COPPER WIRE SPLICE, "U" BOLT ASSEMEBLIES AND THEN WRAPPING WITH ELECTRICAL TAPE.
4. IN LIEU OF "WRAPPING" TRACER WIRE AROUND PVC PIPE, WIRE MAY BE STRUNG ALONG THE TOP OF PIPE, PROVIDED IT IS TAPED TO THE PIPE EVERY 5'-0" TO INSURE ACCURATE POSITION MAINTAINED DURING BACKFILL.

NOT TO SCALE

BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
700 Gloucester Street, Suite 300 Phone: (912) 261-7110
Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

TRACER WIRE INSTALLATION

JWSC STANDARD DETAIL 2-9

Date: AUGUST 2011

GMP SUBMITTAL - NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. 34592 PROFESSIONAL ENGINEER EVAN A. BENNETT

CALL 811 BEFORE YOU DIG 811 SAFE DIGGING PARTNER

HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406/T:912.354.4626

REVISIONS: △

DESIGNED	DRAWN	CHECKED
EAB	EAB	EAB

SCALE: N.T.S.

JOB NO. 122273642

02/26/2024

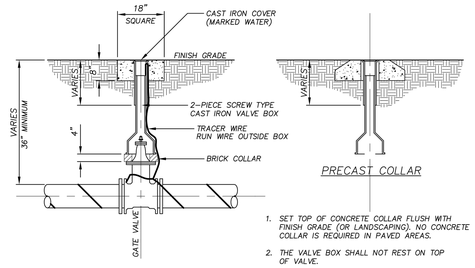
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

CONSTRUCTION DETAILS

DRAWING NUMBER

C06.02

December 14, 2018 - 8:56 AM Printed By ebennett



POURED-IN-PLACE COLLAR

PRECAST COLLAR

1. SET TOP OF CONCRETE COLLAR FLUSH WITH FINISH GRADE (OR LANDSCAPING). NO CONCRETE COLLAR IS REQUIRED IN PAVED AREAS.
2. THE VALVE BOX SHALL NOT REST ON TOP OF VALVE.
3. PRECAST CONCRETE COLLARS MAY BE USED UPON APPROVAL OF THE BGJWSC REPRESENTATIVE. SEE ALTERNATE DETAIL ABOVE.

NOT TO SCALE

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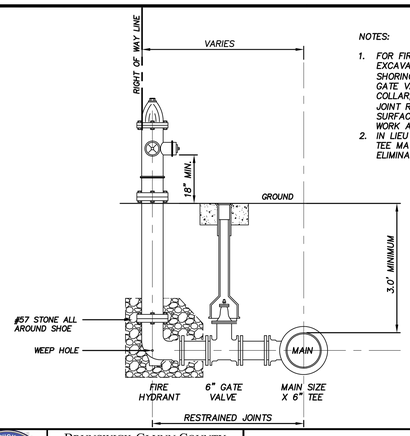
Website: www.bgjwsc.org

WATER VALVE DETAIL

JWSC STANDARD DETAIL 2-13

Date: AUGUST 2011



NOTES:

1. FOR FIRE HYDRANT ASSEMBLIES INCLUDE EXCAVATION, BACKFILL, NECESSARY SHORING AND SHEETING, 6" LEAD PIPE, 6" GATE VALVE AND VALVE BOX, VALVE BOX COLLAR, FIRE HYDRANT, GRAVEL, TIE ROD JOINT RESTRAINTS (NOT SHOWN), COMPLETE SURFACE RESTORATION AND ALL OTHER WORK AND APPURTENANCES REQUIRED.
2. IN LIEU OF AN ALL MJ TEE, A HYDRANT TEE MAY BE USED AND SPOOL PIECE ELIMINATED.

NOT TO SCALE

BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
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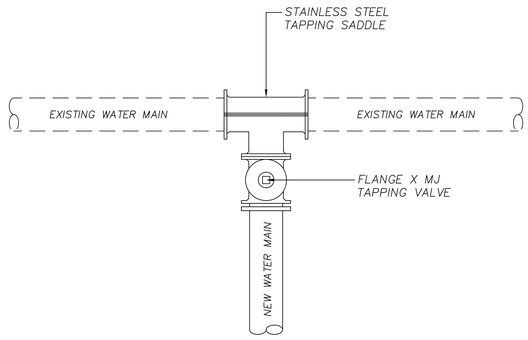
Website: www.bgjwsc.org

FIRE HYDRANT DETAIL

JWSC STANDARD DETAIL 2-14

Date: AUGUST 2011



NOT TO SCALE

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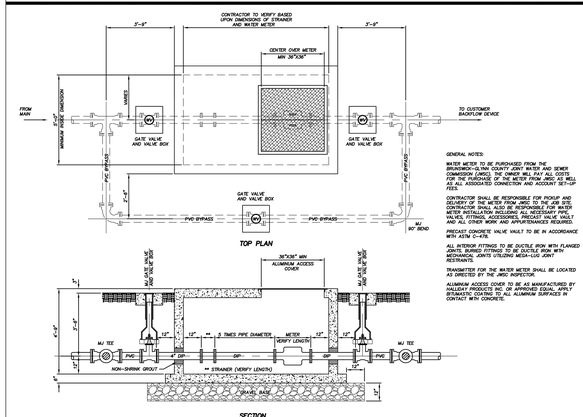
Website: www.bgjwsc.org

CONNECTION TO EXISTING WATER MAIN

JWSC STANDARD DETAIL 2-15

Date: AUGUST 2011



GENERAL NOTES:

WATER METER TO BE PURCHASED FROM THE BRUNSWICK-GLYNN COUNTY JOINT WATER AND SEWER COMMISSION (JWSC). THE OWNER WILL PAY ALL COSTS FOR THE PURCHASE OF THE METER FROM JWSC AS WELL AS ALL ASSOCIATED CONNECTION AND ACCOUNT SET-UP FEES.

CONTRACTOR SHALL BE RESPONSIBLE FOR PICKUP AND DELIVERY OF THE METER FROM JWSC TO THE JOB SITE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR WATER METER BOX, METER SETTING EQUIPMENT, BYPASS VALVES, FITTINGS, ACCESSORIES, PRECAST VALVE VAULT AND ALL OTHER WORK AND APPURTENANCES REQUIRED.

PRECAST CONCRETE VALVE VAULT TO BE IN ACCORDANCE WITH ASTM C-478.

ALL INTERIOR FITTINGS TO BE DUCTILE IRON WITH FLANGED JOINTS. BURIED FITTINGS TO BE DUCTILE IRON WITH MECHANICAL JOINTS UTILIZING MEGA-LUG JOINT RESTRAINTS.

TRANSMITTER FOR THE WATER METER SHALL BE LOCATED AS DIRECTED BY THE JWSC INSPECTOR.

ALUMINUM ACCESS COVER TO BE AS MANUFACTURED BY HALLIDAY PRODUCTS INC. OR APPROVED EQUAL. APPLY BITUMASTIC COATING TO ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE.

NOT TO SCALE

BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
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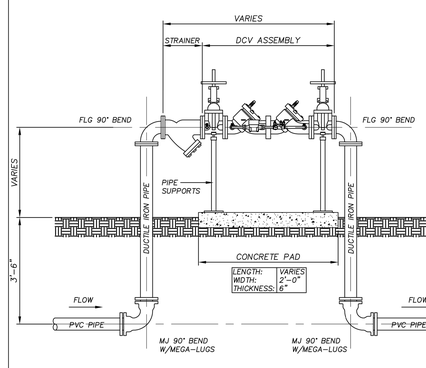
Website: www.bgjwsc.org

WATER METER INSTALLATION DETAIL (3" & LARGER)

JWSC STANDARD DETAIL 2-19

Date: AUGUST 2011



GENERAL NOTES:

DOUBLE CHECK ASSEMBLY SHALL INCLUDE TIGHT CLOSING RESILIENT SEATED SHUTOFF VALVES, TEST COCKS AND STRAINER. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF ASSE NO. 1015; AWWA C510-92; CSA B64.5 AND UL CLASSIFIED FILE NO. EX3185. ASSEMBLY SHALL BE A WATTS REGULATOR COMPANY SERIES 709 OR APPROVED EQUAL.

ALL ABOVE GROUND FITTINGS TO BE DUCTILE IRON WITH FLANGED JOINTS. BURIED FITTINGS TO BE DUCTILE IRON WITH MECHANICAL JOINTS UTILIZING MEGA-LUG JOINT RESTRAINTS.

ALL ABOVE GROUND DUCTILE IRON PIPING SHALL BE PAINTED WITH AN EXTERIOR GRADE ENAMEL PAINT. COLOR SELECTION IN ACCORDANCE WITH AWWA STANDARDS FOR POTABLE WATER PIPE.

NOT TO SCALE

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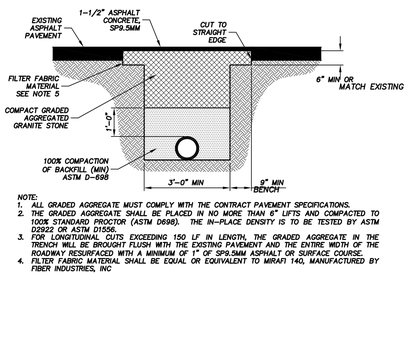
DOUBLE CHECK VALVE (DCV) ASSEMBLY 3" THROUGH 10"

JWSC STANDARD DETAIL 2-20

Date: AUGUST 2011



NOTE:

1. ALL GRADED AGGREGATE MUST COMPLY WITH THE CONTRACT PAVEMENT SPECIFICATIONS.
2. THE GRADED AGGREGATE SHALL BE PLACED IN NO MORE THAN 6" LIFTS AND COMPACTED TO 100% STANDARD PROCTOR (ASTM D698). THE IN-PLACE DENSITY IS TO BE TESTED BY ASTM D2922 OR ASTM D1556.
3. FOR LONGITUDINAL CUTS EXCEEDING 150 LF IN LENGTH, THE GRADED AGGREGATE IN THE TRENCH WILL BE BROUGHT FLUSH WITH THE EXISTING PAVEMENT AND THE ENTIRE WIDTH OF THE ROADWAY RESURFACED WITH A MINIMUM OF 1" OF SP9.5MM ASPHALT OR SURFACE COURSE.
4. FILTER FABRIC MATERIAL SHALL BE EQUAL OR EQUIVALENT TO MIRAFI 140, MANUFACTURED BY FIBER INDUSTRIES, INC

NOT TO SCALE

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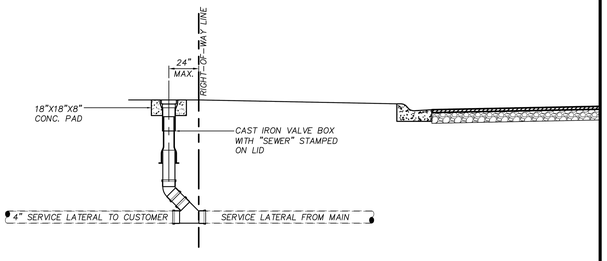
Website: www.bgjwsc.org

ASPHALT PAVEMENT REPLACEMENT

JWSC STANDARD DETAIL 2-22

Date: AUGUST 2011



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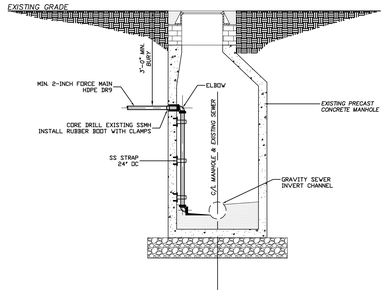
Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

SEWER SERVICE - CLEANOUT

JWSC STANDARD DETAIL 3-9

Date: OCTOBER 2011



GENERAL NOTES:

1. CORE OPENING IN EXISTING WALL FOR NEW FORCEMAIN. FILL ANNULAR SPACE AROUND PIPE WITH NON-SHRINK GROUT
2. PROVIDE FLEXIBLE RUBBER BOOT, CLAMPS AND SS STRAPS
3. PROVIDE MJ 90° BEND WITH RESTRAINED JOINTS WHERE SHOWN
4. PROVIDE MJ 90° BASE BEND WITH RESTRAINED JOINTS WHERE SHOWN
5. MODIFY AND REPAIR MANHOLE INVERTS AS REQUIRED TO ACCOMMODATE FORCEMAIN CONNECTIONS
6. CONNECTION TO WALL OF MANHOLE WITH STAINLESS STEEL SUPPORT AND ANCHOR BOLTS
7. COAT INTERIOR OF THE MANHOLE WITH A HYDROGEN SULFIDE RESISTANT CEMENTITIOUS PRODUCT CONTAINING CALCIUM ALUMINATES

NOT TO SCALE

BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
1703 Gloucester Street Phone: (912) 261-7110
Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

LPFM INSIDE DROP MANHOLE SECTION

JWSC STANDARD DETAIL 4-11A

Date: DECEMBER, 2019

GMP SUBMITTAL - NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. 34592 PROFESSIONAL ENGINEER EVAN A. BENNETT

CALL 811 BEFORE YOU DIG SAFE DIGGING PARTNER

HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T:912.354.4626

December 14, 2018 - 8:56 AM Printed By ebennett

REVISIONS: △

DESIGNED	DRAWN	CHECKED
EAB	EAB	EAB

SCALE: N.T.S.

JOB NO. 122273642

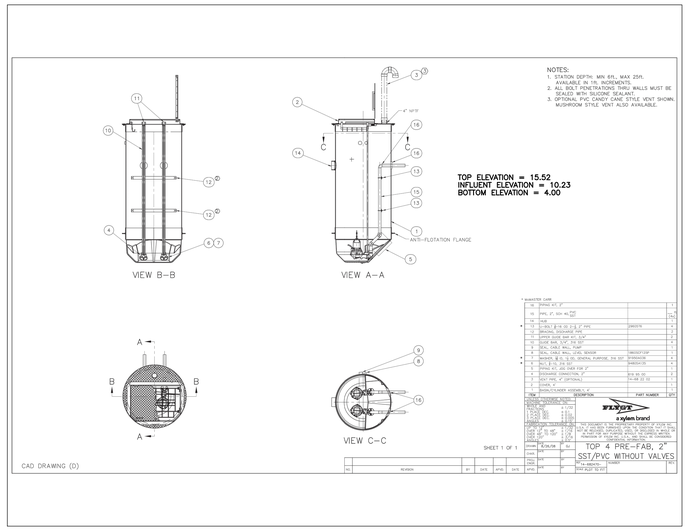
02/26/2024

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

CONSTRUCTION DETAILS

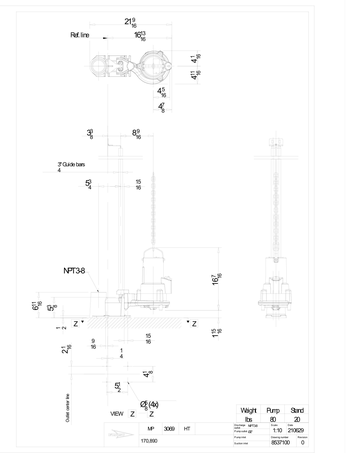
DRAWING NUMBER

C06.03



MP 3069 HT 3~ 256

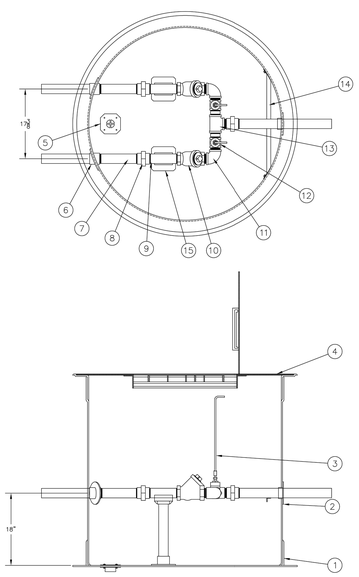
Dimensional drawing



Weight	Pump	Stand
lbs	60	20
Impeller MP06	1.10	219029
Pump unit gpl		
Pump list	8937930	0
System code		

Project: Xylect-21703987 — Created by: Dan Joyce
Block — Created on: 1/16/2024 — Last update: 1/16/2024

Program version: 7.1.0 - 12162023.2(build 61) — Data version: 12154202302142(P1) — User group(s): System USA - INT



NOTES:
1. VAULT DEPTH AS ORDERED.
2. DISCHARGE C/L MUST BE AT LEAST 18" FROM BOTTOM OF VAULT.
3. DISCHARGE C/L OF VAULT MUST EQUAL DISCHARGE C/L OF ORDERED STATION UNLESS OTHERWISE SPECIFIED.
4. INLET AND OUTLET PIPES SHALL PROTRUDE 12" OUTSIDE BASIN.
5. PIPING BETWEEN VALVE VAULT DRAIN AND STATION SUPPLIED BY OTHERS.
6. TWO DRESSER COUPLINGS, STYLE 38, WILL BE PROVIDED WITH VALVE VAULT FOR CONNECTION WITH STATION.
7. OPTIONAL ALUMINUM COVER W/O SAFE HATCH OPTION IS AVAILABLE UPON REQUEST. PLEASE SPECIFY WHEN ORDER IS PLACED.

ITEM	DESCRIPTION	PART NUMBER	QTY
15	VERTICAL PIPE SUPPORT		2
14	PIPE SUPPORT BRACKET		1
13	2" THREADED SS316 TEE		1
12	2" THREADED PLUG VALVE		2
11	2" THREADED SS 316 90° EL		2
10	2" THREADED CAST IRON BALL CHECK VALVE		2
9	2" SS316 CLOSE NIPPLE		7
8	2" SS316 THREADED UNION		3
7	2" SS316 PIPE NIPPLE TO LENGTH		5
6	2" PARALLEL COUPLING FLANGE		2
5	2" NPT DRAIN		1
4	48" ALUMINUM SAFE HATCH COVER		1
3	SS HANDLE EXTENSION		1
2	2" FLEXIBLE ENTRY BOOT		1
1	48" FWB TO LENGTH W/ ANTI FLOAT		1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES — WELDED ASSEMBLY TOLERANCES: ANGULAR ± 1/2° — FRACTIONS ± 1/32 — 1 PLACE DEC. ± 0.1 — 2 PLACE DEC. ± 0.05 — 3 PLACE DEC. ± 0.005 — 4 PLACE DEC. ± 0.0005 — FABRICATION TOLERANCES: UP TO 12" ± 1/32 — OVER 12" TO 48" ± 1/16 — OVER 48" TO 120" ± 1/8 — OVER 120" ± 3/16 — ANGULAR ± 1°

DR-MN 11/23/2009 M.R.D. — DES. — — — CHK. 02/01/2010 P.M. — PROJ. ENGR. 02/01/2010 P.M. — APVD. 02/04/2010 K.D.

VALVE VAULT
4' VAULT DIAMETER
W/ 2" SST PIPING

SIZE — NO. 14-682479 — REV.
SHEET PLOT TO FIT

NO.	REVISION	BY	DATE	APVD.	DATE

SHEET 1 OF 1

CAD DRAWING (D)

GMP SUBMITTAL - NOT FOR CONSTRUCTION

GEORGIA REGISTERED
No. 34592
PROFESSIONAL ENGINEER
KEVAN A. BENNETT

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811 SAFE DIGGING PARTNER

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 / T:912.354.4626

REVISIONS: △

DESIGNED	DRAWN	CHECKED
EAB	EAB	EAB

SCALE: N.T.S.

JOB NO. 122273642

02/26/2024

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

CONSTRUCTION DETAILS

DRAWING NUMBER

C06.04

December 14, 2018 - 8:56 AM Printed By: ebennett

EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES:

(2) GSWCC Level II Design Professional **Cert. #0000044938**

(1)

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS

SWCD: Satilla River

Project Name: CCG Center for the Arts **Address: 1 College Drive, Brunswick, GA 31520**

Local Issuing Authority: None **Date on Plans: February 26, 2024**

Name & Email of person filling out checklist: Alexa Paige: apaige@husseygaybell.com

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
C07.01	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
C07.01	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)
C07.01	Y	3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter. * (A copy of the written approval by GAEPD must be attached to the plan for the Plan to be reviewed.)
C07.01	Y	4 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
C07.01	Y	5 Provide the name, address, email address, and phone number of primary permittee.
C07.01	Y	6 Note total and disturbed acreages of the project or phase under construction.
C07.01	Y	7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C07.01	Y	8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C07.01	Y	9 Description of the nature of construction activity and existing site conditions.
C07.01	Y	10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C07.01	Y	11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C07.01	Y	12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 19** of the permit.
C07.01	Y	13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 19** of the per
C07.01	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of th initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with **Part IV.A.5 page 25** of the permit. *
C07.01	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
C07.01	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C07.01	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
C07.01	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
C07.01	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
C07.01	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
C07.01	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
C07.01	Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
C07.01	Y	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
C07.01	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
C07.01	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
C07.01	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
C07.01	Y	27 Description of practices to provide cover for building materials and building products on site. *
C07.01	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *
C07.01	Y	29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C07.01	Y	30 Provide complete requirements of Inspections and record keeping by the primary permittee. *
C07.01	Y	31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
C07.01	Y	32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *
C07.01	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location. *
C07.01	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *
C07.01	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. *
C07.01	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *
C07.03	Y	37 Graphic scale and North arrow.
C07.03	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
N/A	N	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
N/A	N	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
N/A	N	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N	42 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
HYDRO	Y	43 Delineation and acreage of contributing drainage basins on the project site.
HYDRO	Y	44 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *
HYDRO	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
HYDRO	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C07.02	Y	47 Soil series for the project site and their delineation.
C07.03	Y	48 The limits of disturbance for each phase of construction.
C07.01	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
C07.02	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
C07.09	Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
C07.08	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

Map Scale	Ground Slope	Contour Intervals, ft
1 inch = 100ft o larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2.5 or 10

* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.

Effective January 1, 2024

(2) **LEVEL II CERTIFICATION:**
LEVEL II CERTIFICATION NUMBER ISSUED BY THE COMMISSION, SIGNATURE AND SEAL OF THE CERTIFIED DESIGN PROFESSIONAL. (SEE PROFESSIONAL SEAL)

(3) **LIMIT OF DISTURBANCE:**
LIMIT OF DISTURBANCE SHALL BE NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE EPD DISTRICT OFFICE. IF EPD APPROVES THE REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME, THE PLAN MUST INCLUDE AT LEAST 4 OF THE BMPS LISTED IN APPENDIX 1 OF THIS CHECKLIST.

(4) **24-HOUR LOCAL EROSION AND SEDIMENTATION CONTROL CONTACT:**
JOE KINSEY 706-260-6503

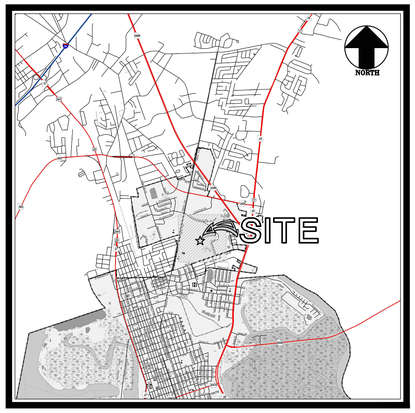
(5) **PRIMARY PERMITTEE INFORMATION:**
MCKNIGHT CONSTRUCTION COMPANY
635 NW FRONTAGE ROAD
AUGUSTA, GA 30907
706-863-7784
JOEKINSEY@MCKNIGHTCONSTRUCTIONCO.COM

(6) **TOTAL ACREAGE / DISTURBED ACREAGE**
TOTAL PROPERTY AREA: 186.13 ACRES
ESTIMATED TOTAL SITE ACREAGE: 2.6 ACRES
TOTAL DISTURBED AREA DEVELOPMENT: 2.6 ACRES

(7) **CONSTRUCTION EXIT**
LATITUDE: 31.17994° N
LONGITUDE: 81.48746° W

(9) **DESCRIPTION OF THE NATURE OF CONSTRUCTION ACTIVITY:**
THIS PROJECT CONSISTS OF A COMMUNITY CENTER IN BRUNSWICK, GEORGIA. THE PROPERTY IS LOCATED ON THE COLLEGE OF COASTAL GEORGIA PROPERTY LOCATED AT 1 COLLEGE DRIVE, TO THE SOUTH OF THE SOUTHEAST GEORGIA CONFERENCE CENTER. THE TOTAL AREA OF THE PROJECT SITE IS 2.6 ACRES, AND THE DISTURBED AREA FOR THE SITE IS ALSO 2.6 ACRES. THE EXISTING GREENHOUSE IS TO BE REMOVED TO ACCOMMODATE SPACE FOR THE PROPOSED COMMUNITY CENTER FOR THE ARTS. SOIL EROSION AND SEDIMENT CONTROL WILL BE ACCOMPLISHED BY USE OF BEST MANAGEMENT PRACTICES FROM GEORGIA'S MANUAL FOR EROSION CONTROL. RUNOFF FROM THE DISTURBED AREAS OF THE SITE WILL BE FILTERED SEDIMENT BARRIERS. STORM WATER WILL BE DISCHARGED INTO A POND LOCATED SOUTH OF THE DEVELOPMENT. STABILIZATION OF THE DISTURBED SITE WILL BE ACCOMPLISHED BY SEEDING AND DUST CONTROL MEASURES.

(10)



VICINITY MAP
SCALE: 1" = 3,000'

(11) THE PROJECTS RECEIVING WATERS ARE LAKE TEEL ON CAMPUS, WHICH ULTIMATELY DRAINS TO CYPRESS MILL CREEK. STATE WATERS, ARE NOT LOCATED ON OR WITHIN 200' OF THE PROJECT SITE.

DESCRIPTION OF SENSITIVE AREAS:
THERE ARE NO SENSITIVE AREAS FOR THIS PROJECT.

(12) "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."

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02/26/2024
ENGINEER'S SIGNATURE **GSWCC CERTIFICATION NO.** 0000044938

(13) "I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001."

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02/26/2024
ENGINEER'S SIGNATURE **GSWCC CERTIFICATION NO.** 0000044938

(14) THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION.

(15) NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN ANY 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

(16) **DESCRIPTION OF BUFFER ENCROACHMENT:**
THERE IS NO BUFFER ENCROACHMENT LOCATED ON THE SITE.

(17) AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BUMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

(18) WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

(19) THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

(20) EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

(21) ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

(22) THIS PROJECT DOES NOT DISCHARGE INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT. ANY PROJECT DISCHARGING INTO A BIOTA IMPAIRED STREAM SEGMENT, OR WITHIN W MILE UPSTREAM AND WITHIN SAME WATERSHED MUST COMPLY WITH PART III. C. OF THE PERMIT.

(23) IF A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED FOR THE IMPAIRED STREAM SEGMENT (IDENTIFIED IN ITEM 22 ABOVE) AT LEAST SIX MONTHS PRIOR TO SUBMITTAL OF NOI, THE ES&PC PLAN MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN.

(24) BMPs FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF THE VEHICLES WILL BE UTILIZED. SEE PLANS FOR BMP LOCATION(S). WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

(25) **SPILL CLEANUP AND CONTROL PRACTICES**
1. LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND PROCEDURES SHALL BE MADE AVAILABLE TO SITE PERSONNEL.
2. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
3. SPILL PREVENTION PRACTICES AND PROCEDURES SHALL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
4. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS SHALL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
5. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), AND FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) SHALL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
7. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) SHALL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802
8. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACT, THE GEORGIA EPD SHALL BE CONTACTED WITHIN 24 HOURS.
9. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL SHALL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPAOITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

(26) **DESCRIPTIONS OF THE MEASURES THAT WILL BE INSTALLED DURING CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETE:**
POLLUTANTS IN STORM WATER RUNOFF WILL BE CONTROLLED BY OVERLAND FLOW ON THE TEMPORARY SEEDING AND DUST CONTROL MEASURES THAT WILL BE INSTALLED, PER THE PLANS. INLET PROTECTION IS TO BE INSTALLED AT EACH STORM INLET DRAIN, ALSO OUTLINED IN THE PLANS, SILT FENCE WILL BE UTILIZED AROUND THE SITE IN ORDER TO MITIGATE EROSION AND THE SPREAD OF POLLUTANTS THROUGH CONSTRUCTIONS.

(27) **DESCRIPTIONS OF THE PRACTICES TO PROVIDE COVER FOR BUILDING MATERIALS AND BUILDING PRODUCTS ON SITE:**
THE CONTRACTOR SHALL USE PLASTIC SHEETING OR TEMPORARY ROOFS TO COVER BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTER, AND OTHER MATERIALS IN ORDER TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

(28) **DESCRIPTION OF PRACTICES THAT WILL BE USED TO REDUCE THE POLLUTANTS IN STORMWATER DISCHARGES:**
THE FOLLOWING POTENTIAL POLLUTANTS MAY BE EXPECTED ON-SITE DURING CONSTRUCTION: CONCRETE PRODUCTS, PETROLEUM BASED FUEL AND LUBRICANTS FOR EQUIPMENT, TAR, METAL, REINFORCING, PAINTS/FINISHED, PESTICIDES, FERTILIZERS, HERBICIDES, CRUSHED STONE, PLASTIC, METAL, AND CONCRETE PIPES. THE CONTROL OF THESE POLLUTANTS WILL BE ACCOMPLISHED WITH BEST MANAGEMENT PRACTICES AS SET FORTH IN GEORGIA'S MANUAL FOR EROSION AND SEDIMENT CONTROL.

(29) **TENTATIVE ACTIVITY SCHEDULE**

	2024 MAY	2024 AUG	2024 NOV	2025 FEB	2025 MAY	2025 AUG
INSTALLATION OF SEDIMENT CONTROLS AND TREE PROTECTION BARRICADES	-					
DEMOLITION, CLEARING, GRUBBING & STRIPPING TOPSOIL	-	-				
GRADING		-	-	-	-	
GRASSING / LANDSCAPING				-	-	-
MAINTENANCE OF SEDIMENT CONTROLS & TEMPORARY GRASSING (AS REQUIRED)	-	-	-	-	-	-
REMOVAL OF TEMPORARY SEDIMENT CONTROLS					-	

(30) PRIMARY PERMITTEE IS RESPONSIBLE FOR REGULAR INSPECTIONS AND RECORD KEEPING AS REQUIRED BY THE GEORGIA EPD NPDES PERMIT. INSPECTIONS (TO BE COMPLETED BY PRIMARY PERMITTEE)

PERMITTEE REQUIREMENTS

(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (a) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (b) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(2). MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.

(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (a) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (b) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (c) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(4). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

(5). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

(6). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

GEORGIA REGISTERED No. 34592 PROFESSIONAL ENGINEER STEVEN A. BENNETT

December 14, 2018 - 8:56 AM Printed By ebennett

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JOB NO. 122273642

02/26/2024

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

EROSION AND SEDIMENT CONTROL NOTES

DRAWING NUMBER

C07.01

GMP SUBMITTAL - NOT FOR CONSTRUCTION

EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES:

(31) STORMWATER SAMPLING SHALL BE CONDUCTED AT THE POINTS AS INDICATED WITHIN THIS ESPCP.

SAMPLING FREQUENCY

(1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW FOR A QUALIFYING EVENT. THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN IN FORTY–FIVE (45) MINUTES OR AS SOON AS POSSIBLE.

(2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.

(3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:

(A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;

(B). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;

(C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPs IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WTHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST–STORM EVENT INSPECTIONS DETERMINE THAT BMPs ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;

(D). WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND

(E). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

REPORTING

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:

a. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
b. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
c. THE DATE(S) ANALYSES WERE PERFORMED;
d. THE TIME(S) ANALYSES WERE INITIATED;
e. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
f. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
g. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
h. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
i. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.

3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

(32) **RETENTION OF RECORDS**

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
D. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

(33) **STORMWATER SAMPLING**

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT. EPA 833–B–92–001."

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING 75, THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT No. GAR100001. THIS NTU VALUE IS BASED UPON AN AREA OF 2.6 ACRES FOR THE PROJECT SITE AND A SURFACE WATER DRAINAGE AREA OF LESS THAN 5 SQUARE MILES, AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

(34)

APPENDIX B
Nephelometric Turbidity Unit (NTU) Tables

Warm Water (Supporting Warm Water Fisheries)
Surface Water Drainage Area, Square Miles

Site Size Acres	0-4.99	5-9.99	10-24.99	24-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	(75)	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
24.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

To use these table, select the size (acres) of the construction site. Then, select the surface water drainage area (square miles). The NTU matrix value arrived at from the above tables is one to use in Part III.D.4.

(35) SEE PAGES C07.03 – C07.08 FOR FOR SAMPLING POINT LOCATIONS, PERENNIAL AND INTERMITTENT STREAM AND OTHER WATER BODIES INTO WHICH STORM WATER IS DISCHARGED.

(36) SEE PAGES C07.03 – C07.09 FOR A DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE.

(41) APPLICABLE 25–FOOT OR 50–FOOT UNDISTURBED BUFFERS ADJACENT TO STATE WATERS AND ANY ADDITIONAL BUFFERS AS REQUIRED BY THE LOCAL ISSUING AUTHORITY ARE SHOWN IF APPLICABLE. AREAS OF IMPACT ARE SHOWN AND LABELED ON THE PLAN IF REQUIRED.

(42) ON SITE WETLANDS AND/OR WATERS OF THE STATE ARE NOT LOCATED ON OR WITHIN 200 FEET OF THE PROJECT SITE.

(45) THE PEAK DISCHARGE RATES FOR THE SITE PRIOR TO AND AFTER COMPLETION OF CONSTRUCTION ACTIVITIES ARE:

PEAK DISCHARGE (25 YR) "PRE" = 4.21 CFS
PEAK DISCHARGE (25 YR) "POST" = 3.83 CFS

(46) REFER TO EROSION AND SEDIMENT CONTROL PLAN SHEETS FOR WEIR VELOCITIES WITH APPROPRIATE OUTLET PROTECTION AND THE LOCATION OF ALL STORM WATER DISCHARGE POINTS.

(47) SOIL TYPE: Ma – MANDARIN FINE SAND (HSG A)

SEE PAGES C07.03 – C07.08 FOR DELINEATION.

(48) REFER TO EROSION AND SEDIMENT CONTROL PLAN SHEETS FOR THE LIMITS OF DISTURBANCE FOR EACH PHASE OF CONSTRUCTION.

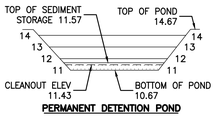
(49) **TEMPORARY SEDIMENT STORAGE.**

THE DRAINED AREA FOR THIS PROJECT IS 2.6 ACRES, THEREFORE, THE REQUIRED SEDIMENT STORAGE VOLUME IS 2.6 ACRES X 67 CY PER ACRE = 174 CY OF STORAGE REQUIRED.

STORAGE IS PROVIDED THROUGH IMPLEMENTATION OF VARIOUS TYPES OF BMPs IN MULTIPLE LOCATIONS THROUGHOUT THE PROJECT SITE. THE TABLE BELOW SUMMARIZES THE BMPs IMPLEMENTED AND THE SEDIMENT STORAGE ACHIEVED FOR EACH BMP.

CONSTRUCTION PHASE	STORAGE METHOD	VOLUME PROVIDED (CY)
ALL	SED. STORAGE	2655
TOTAL		2655

STAGE STORAGE VOLUME		
ELEVATION	AREA (S.F)	CUMULATIVE FLOW (C.Y.)
10.67	0	0
11.00	1208	15
12.00	3869	205
13.00	5296	662
14.00	6779	1498
14.67	7805	2655



PERMANENT DETENTION POND

(51) REFER TO EROSION AND SEDIMENT CONTROL PLAN SHEETS FOR SPECIFIED LOCATIONS.

LEGEND:

CONSTRUCTION EXIT — Co
DUST CONTROL ON DISTURBED AREAS — Du
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) — Ds1
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) — Ds2
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) — Ds3
TEMPORARY SEDIMENT SINGLE BARRIER – SILT FENCE, TYPE "NON–SENSITIVE" — Sd1–NS
TEMPORARY SEDIMENT DOUBLE BARRIER – SILT FENCE, TYPE "SENSITIVE" — Sd1–S
INLET SEDIMENT TRAP — Sd2–F
SLOTTED BOARD DAM WITH STONE FILTER — Rt–B
STORM DRAINAGE OUTLET PROTECTION — St
DIVERSIONS — Di
STONE CHECK DAM — Cd–S
TEMPORARY SEDIMENT TRAP — Sd–4
STORM WATER DISCHARGE SAMPLING POINT
TREE PROTECTION BARRICADE — Tr — 20" OAK
SOILS — Mae
DRAINAGE BASIN BOUNDARY
LIMITS OF DISTURBANCE & STORMWATER MANAGEMENT AREA
SILT FENCE PROTECTION (SINGLE)
SILT FENCE PROTECTION (DOUBLE)

(51) REFER TO EROSION AND SEDIMENT CONTROL DETAIL SHEETS FOR DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES.

(52) **VEGETATIVE METHODS:**

A. A VEGETATIVE COVER SHALL BE ESTABLISHED AND MAINTAINED OVER ALL FINAL GRADING AND OTHER DISTURBED AREAS OF THE SITE. SEE COASTAL PLAIN VEGETATIVE COVERS FOR AN OUTLINE OF THE ESTABLISHMENT OF VEGETATIVE COVERS.
B. WEEKLY INSPECTION OF THE GRASS COVER SHALL BE PERFORMED TO IDENTIFY AREAS REQUIRING RE–ESTABLISHMENT OF GRASS.
C. LIME RATE: 1 TO 2 TONS/ACRE.
FERTILIZER: 1500 LBS. OF 6–12–12 PER ACRE.

COASTAL PLAIN VEGETATIVE COVERS

MONTH OF PLANTING	TEMPORARY GRASS Ds2	RATE	MONTH OF PLANTING	PERMANENT GRASS Ds3	RATE
MARCH – JUNE	SUDANGRASS	60 Lbs./Ac	MARCH – JUNE	COMMON BERMUDA (HULLED)	10 Lbs./Ac
APRIL – AUGUST	BROWN TOP MILLET	40 Lbs./Ac	JULY – AUGUST	COMMON BERMUDA (HULLED) & BROWN TOP MILLET	6 Lbs./Ac 10 Lbs./Ac
SEPTEMBER – FEBRUARY	RYE GRASS	40 Lbs./Ac	SEPTEMBER – FEBRUARY	COMMON BERMUDA (UNHULLED) & TALL FESCUE	6 Lbs./Ac 30 Lbs./Ac

MULCH: Ds1

MULCH, IF REQUIRED, SHALL BE UNCHOPPED, UNROTTED, DRY STRAW, HAY, OR WOOD WASTE SHALL BE APPLIED TO A DEPTH OF 2–3 INCHES PROVIDING COMPLETE SOIL COVERAGE. IN AREAS TO BE EVENTUALLY COVERED BY PERENNIAL VEGETATION THE CONTRACTOR SHALL APPLY 20–30 POUNDS OF NITROGEN/AC. IN ADDITION TO THE NORMAL AMOUNT.

MULCHING RATE FOR STRAW SHALL BE 2 TONS/AC. AND FOR HAY 2 ½ TONS/AC. MULCH MATERIAL SHALL BE RELATIVELY FREE FROM ALL KINDS OF WEEDS AND SHALL BE FREE OF PROHIBITED NOXIOUS WEEDS WHICH ARE: CANADA THISTLE, JOHNSONGRASS AND QUACKGRASS. SPREAD MULCH MECHANICALLY OR UNIFORMLY BY HAND; MULCH ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER MULCH PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY PEG AND TWINE METHOD, MULCH ANCHORING TOOL, NETTING OR LIQUID MULCH BINDERS.

(2) GSWCC Level II Design Professional Cert. #0000044938

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REVISIONS:

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SCALE: N.T.S.

JOB NO. 122273642

02/26/2024

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EROSION AND SEDIMENT CONTROL NOTES

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4" DIA. STEEL POST

SINGLE STORY BRICK BLDG.

ROOF LINE

STEPS

CONTROL BOX

METER

2"X3" HANDHOLE

CHILLER LINE FROM CHILLER

4" WELL

GREENHOUSE

8" DIA. BUSH

1"X2" HANDHOLE

2" WIDE DOUBLE VALVE BOX

MAP SIGN

HANDICAP PARKING SIGN (S)

GRATE INLET
TOP=14.76
I.E. 15" RCP (E)=11.61

GRATE INLET
TOP=13.46
I.E. 15" RCP (E)=10.91

GRATE INLET
TOP=13.45
I.E. 15" RCP (W)=10.62
I.E. 18" RCP (S)=10.36

GRATE INLET
TOP=13.46
I.E. 18" RCP (E)=10.57
I.E. 18" RCP (S)=10.73
I.E. 15" RCP (W)=10.76

GRATE INLET
TOP=13.49
I.E. 18" RCP (N)=9.92
I.E. 18" RCP (W)=10.09
18" RCP (E) OUT

GRATE INLET
TOP=13.50
I.E. 18" RCP (N)=10.97

STORM WATER DISCHARGE SAMPLING POINT NO. 1

PERMANENT DETENTION POND/ SEDIMENT STORAGE

LIMITS OF DISTURBANCE / CLEARING LIMITS

Sd1–NS

Sd2–Bg

Sk–1

Co

Ma

Mb

MATCH LINE SEE SHEET C07.04

MATCH LINE SEE SHEET C07.04

GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40' 50' 100'

NOTE: ALL ELEVATIONS ARE NAVD 1988.

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No. 34592
EVAN A. BENNETT

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SCALE: 1" = 20'

JOB NO. 122273642

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EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

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MATCH LINE
SEE SHEET C07.03

MATCH LINE
SEE SHEET C07.03

LIMITS OF DISTURBANCE / CLEARING LIMITS

Sd1-NS

Ma
Mb

BENCHMARK
NAIL SET IN POWER POLE
ELEV. = 15.72 NAVD 88

GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40' 50' 100'

NOTE: ALL ELEVATIONS ARE NAVD 1988.

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EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

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C07.04

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Cert. #0000044938

COMMUNITY CENTER FOR THE ARTS
FFE = 15.95

LIMITS OF DISTURBANCE / CLEARING LIMITS

PERMANENT DETENTION POND / SEDIMENT STORAGE

PROPOSED POND
TOP OF BANK = 14.67
BOTTOM ELEV = 10.67

St 1
L_A = 12.5
W_1 = 4.5
W_2 = 6
d_{50} = 0.6
D = 0.9

18" DIA. R.C.P.
Q_{design} = 3.62 C.F.S.
V = 2.62 F.P.S.
T_W = MIN.

GRATE INLET
TOP=13.46
I.E. 15" RCP (E)=10.91

GRATE INLET
TOP=13.45
I.E. 15" RCP (W)=10.62
I.E. 18" RCP (S)=10.36

GRATE INLET
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I.E. 18" RCP (W)=10.09
18" RCP (E) OUT

GRATE INLET
TOP=13.50
I.E. 18" RCP (N)=10.97

STORM WATER DISCHARGE SAMPLING POINT NO. 1

HANDICAP PARKING SIGN (S)

MAP SIGN

2" WIDE DOUBLE VALVE BOX

2'X3' HANDHOLE

CONTROL BOX

CHILLER LINE SET CHILLER

SINGLE STORY BRICK BLDG.

ROOF LINE

STEPS

MATCH LINE SEE SHEET C05.02

MATCH LINE SEE SHEET C05.02

GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40' 50' 100'

NOTE: ALL ELEVATIONS ARE NAVD 1988.

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EROSION AND SEDIMENT CONTROL PLAN - INTERMEDIATE PHASE

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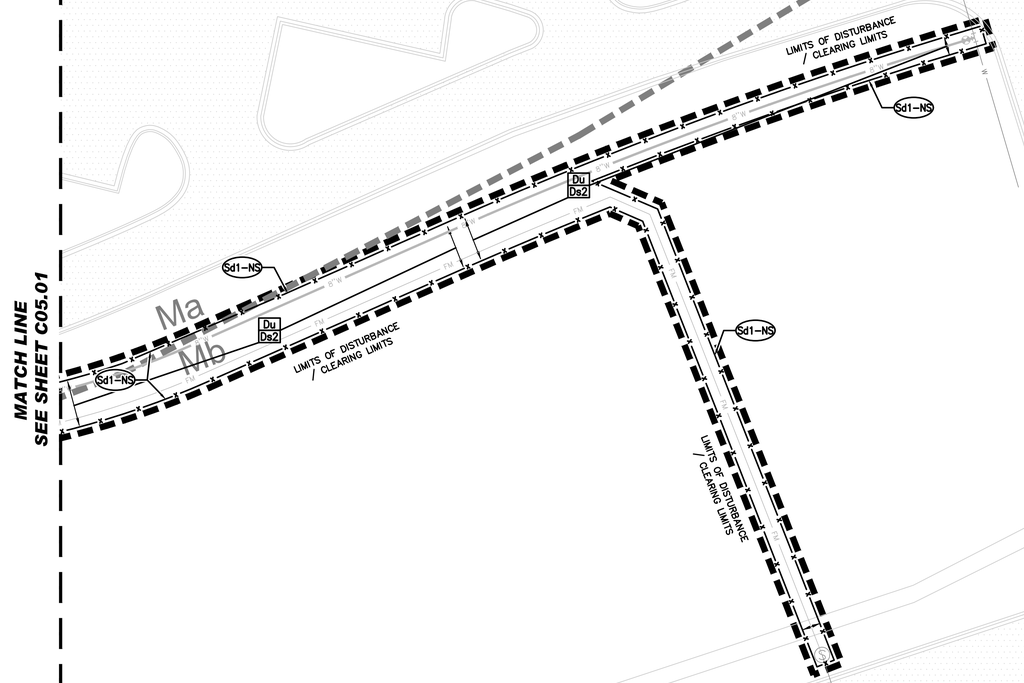
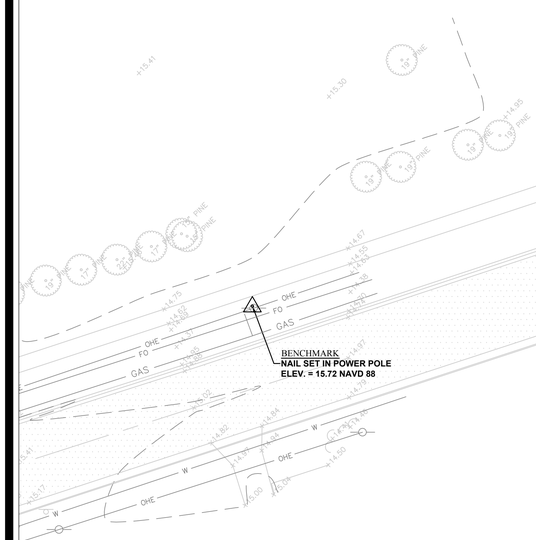
MATCH LINE
SEE SHEET C05.01



MATCH LINE
SEE SHEET C05.01



GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40' 50' 100'

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FFE = 15.95

PERMANENT DETENTION
POND / SEDIMENT STORAGE

PROPOSED POND
TOP OF BANK = 14.67
BOTTOM ELEV = 10.67

LIMITS OF DISTURBANCE / CLEARING LIMITS

STORM WATER
DISCHARGE SAMPLING
POINT NO. 1

GRATE INLET
TOP=13.46
I.E. 15" RCP (E)=10.91

GRATE INLET
TOP=13.45
I.E. 15" RCP (W)=10.62
I.E. 18" RCP (S)=10.36

GRATE INLET
TOP=13.46
I.E. 18" RCP (E)=10.57
I.E. 18" RCP (S)=10.73
I.E. 15" RCP (W)=10.76

GRATE INLET
TOP=13.49
I.E. 18" RCP (N)=9.92
I.E. 18" RCP (W)=10.09
18" RCP (E) OUT

GRATE INLET
TOP=13.50
I.E. 18" RCP (N)=10.97

St 1
L_A = 12.5
W_1 = 4.5
W_2 = 6
d_{50} = 0.6
D = 0.9

18" DIA. R.C.P.
Q_{design} = 3.62 C.F.S.
V = 2.62 F.P.S.
T_W = MIN.

MATCH LINE
SEE SHEET C05.02

MATCH LINE
SEE SHEET C05.02

GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40' 50' 100'

NOTE: ALL ELEVATIONS ARE NAVD 1988.

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EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

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MATCH LINE
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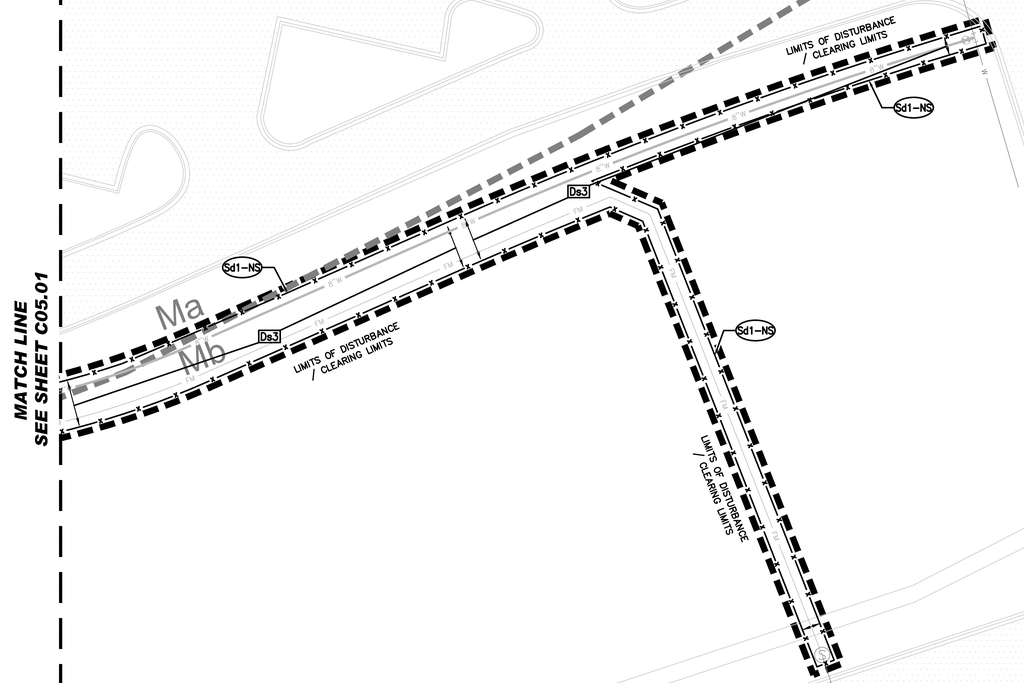
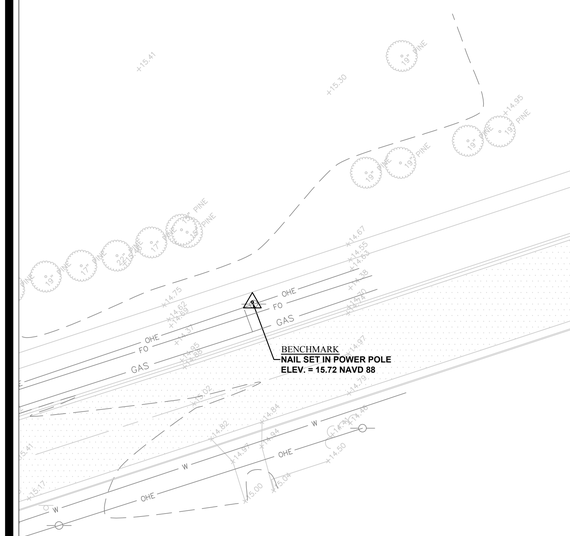


MATCH LINE
SEE SHEET C05.01



GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40' 50' 100'

NOTE: ALL ELEVATIONS ARE NAVD 1988.

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811 STOP. THINK. DIG.

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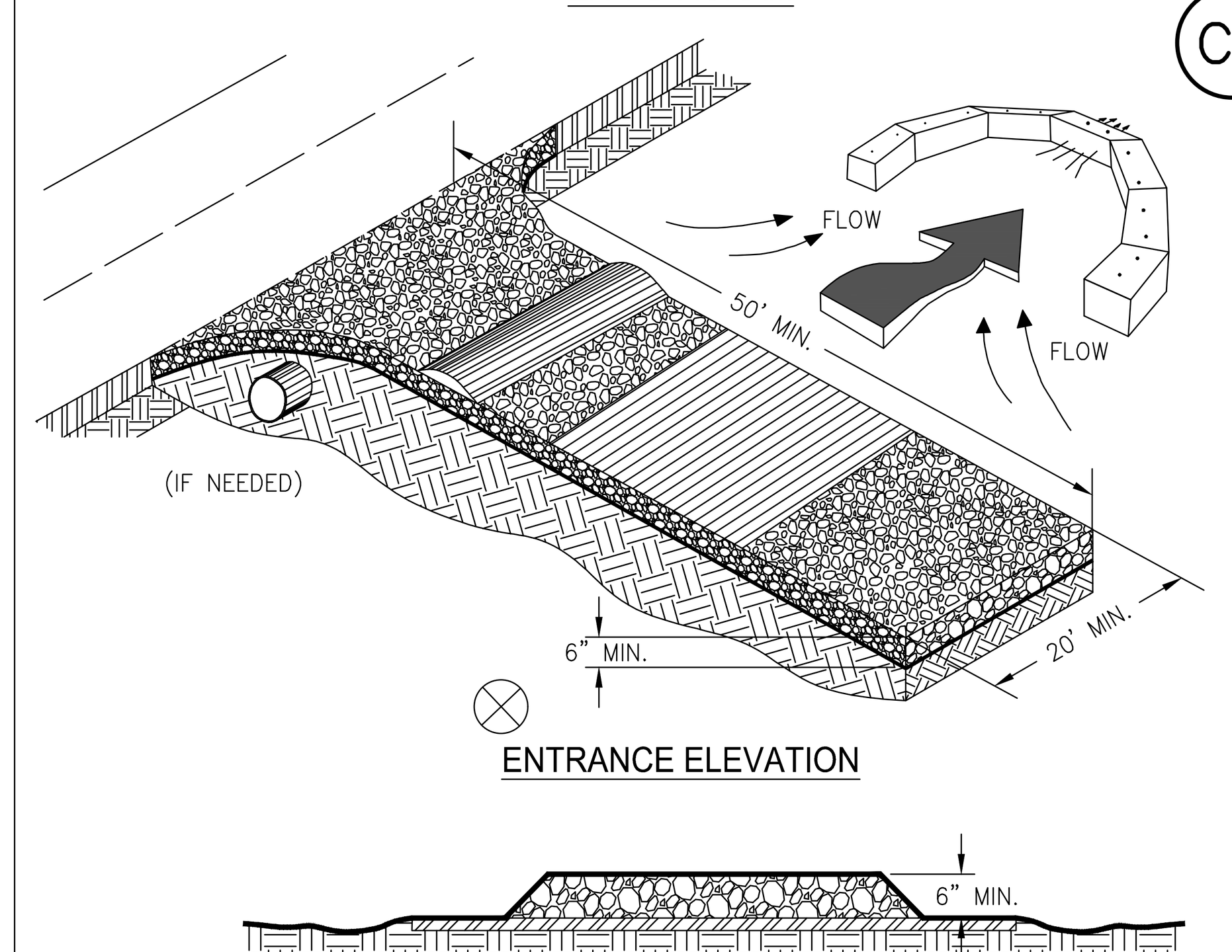
CRUSHED STONE CONSTRUCTION EXIT

EXIT DIAGRAM



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

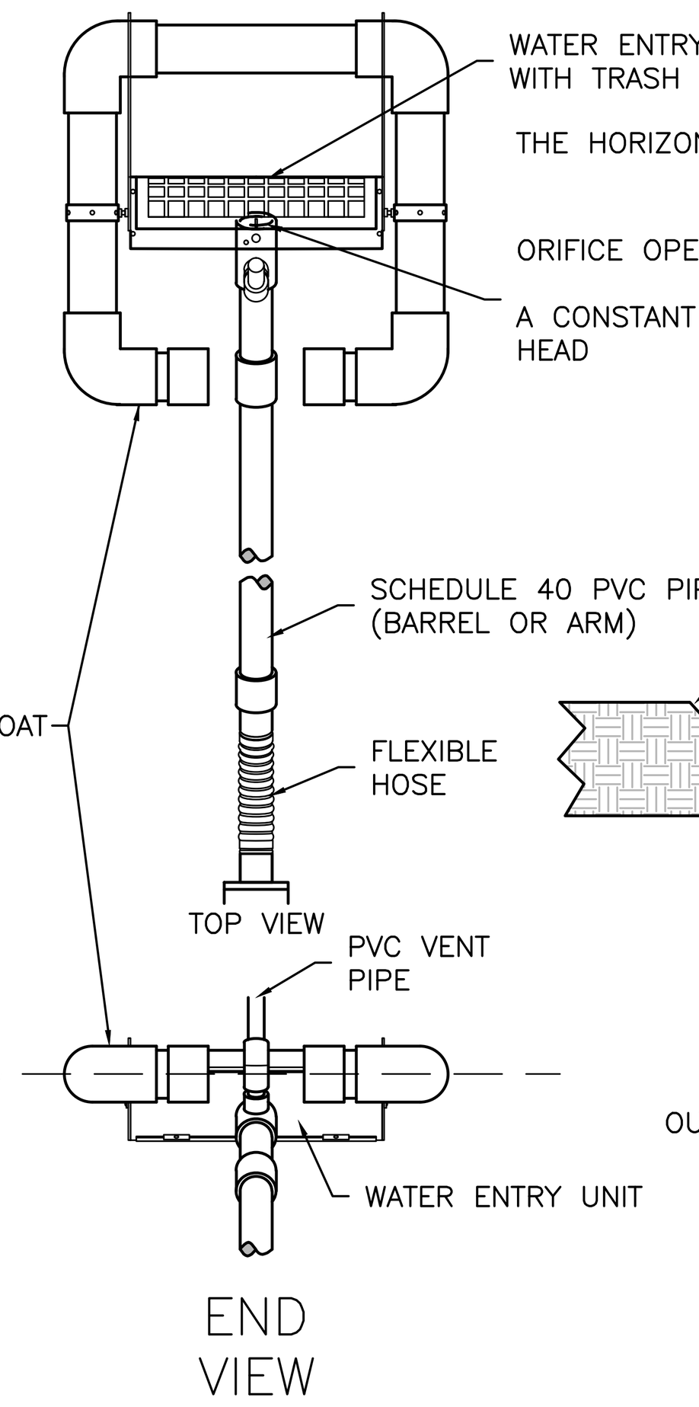
SPRAY ON ADHESIVE REQUIREMENTS

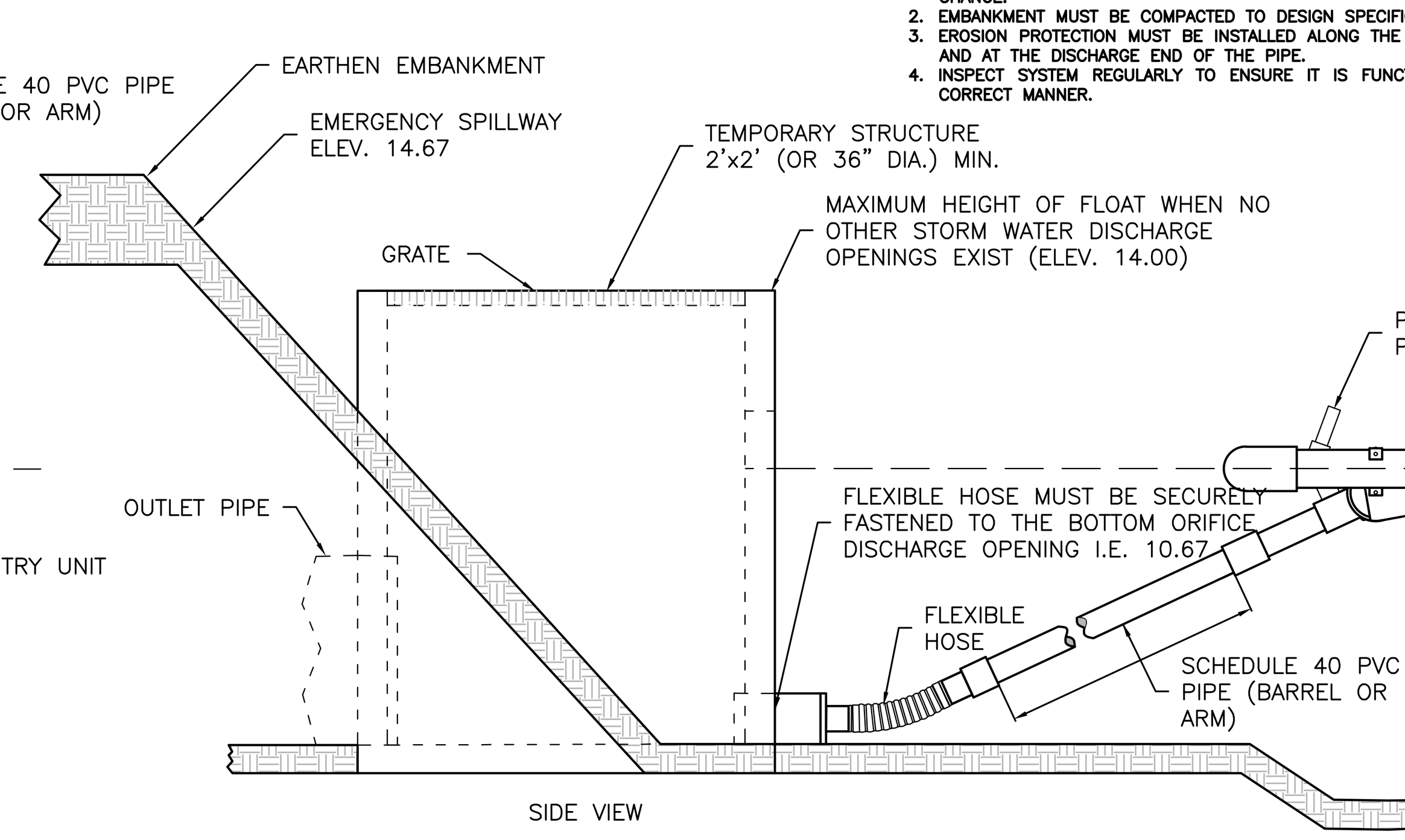
ADHESIVE	WATER DILUTION	NOZZLE TYPE	APPLICATION (GAL./AC.)
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1	FINE SPRAY	300

NOTES:
1. TEMPORARY METHODS
A. MULCHES (Ds1) – DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO STANDARD Tb–TACKIFIERS AND BINDERS. RESINS SUCH AS CURASOL OR TERRATACK SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
B. VEGETATIVE COVER – DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING.
C. SPRAY ON ADHESIVES – THESE ARE USED ON MINERAL SOILS (NON EFFECTIVE ON ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS. REFER TO TACKIFIERS AND BINDERS.
D. TILLAGE – THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
E. IRRIGATION – THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.
F. BARRIERS – SOLID BOARD FENCES, SNOWFENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.
G. CALCIUM CHLORIDE – APPLY AT A RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.
2. PERMANENT METHODS
A. PERMANENT VEGETATION – DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION). EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.
B. TOPSOILING – THIS ENTAILS COVERING THE SURFACE WITH LESS EROSIVE SOIL MATERIAL.
C. STONE – COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

DUST CONTROL ON DISTURBED AREAS (Du)

N.T.S.





SKIMMER SIZING INFORMATION:
1. POND, TRAP OR BASIN SIZE = 71,685 C.F.
2. TIME TO DRAIN (HRS.) = 72 HRS.
3. USE X1 SKIMMER OF THE FOLLOWING DIMENSIONS (ORIFICE AND HEAD SIZE) (IN.): 5" HEAD, 4.3" DIA. ORIFICE
4. MANUFACTURER'S NAME FAIRCLOTH SKIMMER

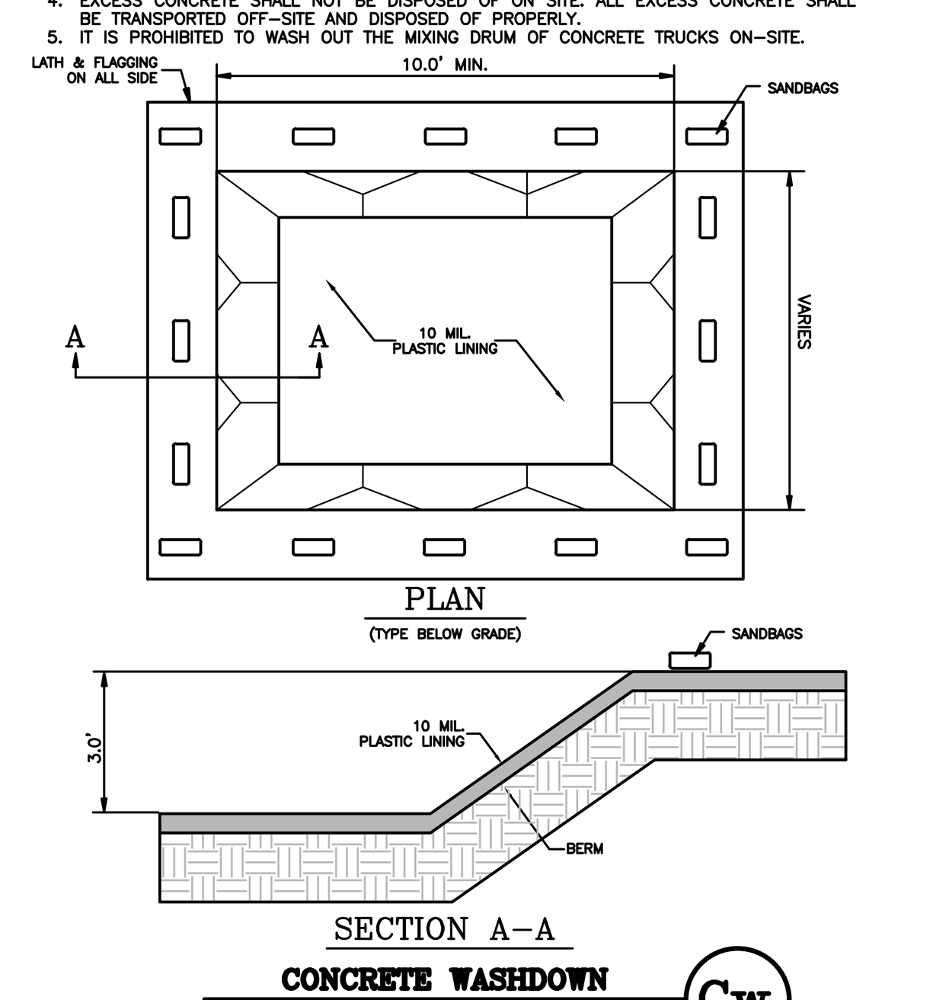
REMOVE SEDIMENT WHEN $\frac{1}{3}$ OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST (SEDIMENT TO ELEVATION 11.43')

GENERAL NOTES :
1. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
2. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
3. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
4. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.

SKIMMER DISCHARGE SYSTEM WITH OUTLET STRUCTURE DETAIL (Sk)

N.T.S.

NOTES:
1. THE CONTRACTOR MUST PROVIDE A DESIGNATED AREA FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF THE VEHICLES. THIS AREA MUST HAVE A CONCRETE WASHOUT FACILITY AND SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL SHOWN BELOW.
2. THE CONCRETE WASHOUT FACILITY SHALL BE LOCATED A MINIMUM OF 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES.
3. WASH OUT DISCHARGE FROM THE CLEANING OF CONCRETE TRUCKS, TOOLS, AND OTHER EQUIPMENT SHALL NOT BE DISCHARGED INTO STORM DRAINS, OPEN DITCHES, STREETS OR STREAMS.
4. EXCESS CONCRETE SHALL NOT BE DISPOSED OF ON SITE. ALL EXCESS CONCRETE SHALL BE TRANSPORTED OFF-SITE AND DISPOSED OF PROPERLY.
5. IT IS PROHIBITED TO WASH OUT THE MIXING DRUM OF CONCRETE TRUCKS ON-SITE.



CONCRETE WASHDOWN (Cw)

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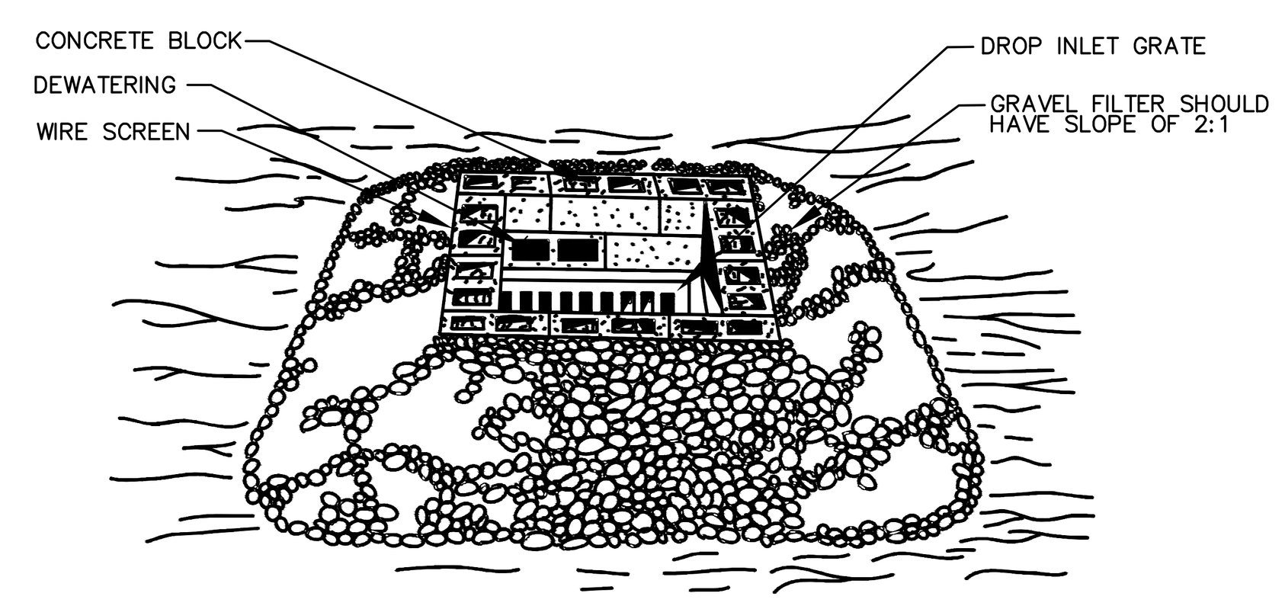
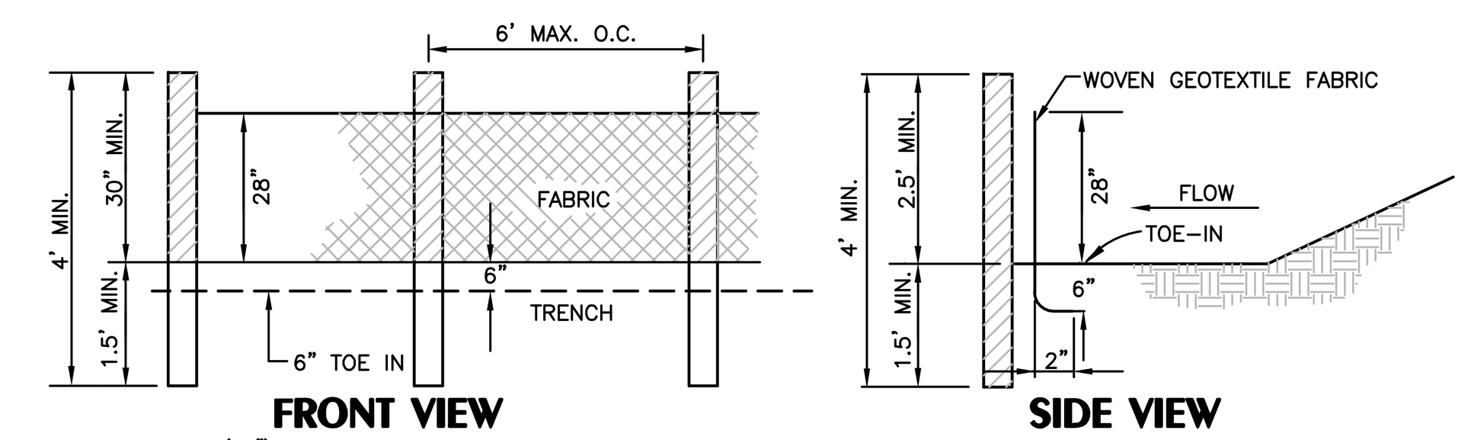


BLOCK AND GRAVEL PRESPECTIVE



TYPE A FABRIC (36")
USE:
1) ON DEVELOPMENTS WHERE THE LIFE OF THE PROJECT IS GREATER THAN OR EQUAL TO 6 MONTHS.
2) WHERE THE SLOPE GRADIENT IS STEEPER THAN 3:1.

POST SIZE

MIN. LENGTH	TYPE OF POST	SIZE OF POST
4'	SOFT WOOD	3" DIA. OR 2X4
4'	OAK	1.5"X1.5"
4'	STEEL	1.3 LB./FT. MIN.

FASTENERS FOR WOOD POST (WIRE STAPLES)

GAUGE	CROWN	LEGS	STAPLES/POST
17 MIN.	3/4" WIDE	1/2" LONG	5 MIN.

FASTENERS FOR WOOD POST (NAILS)

GAUGE	LENGTH	BUTTON HEADS	NAIL/POST
14 MIN.	1"	3/4"	4 MIN.

NOTE: FILTER FABRIC MAY ALSO BE ATTACHED TO THE POST BY WIRE, CORD, AND POCKETS.

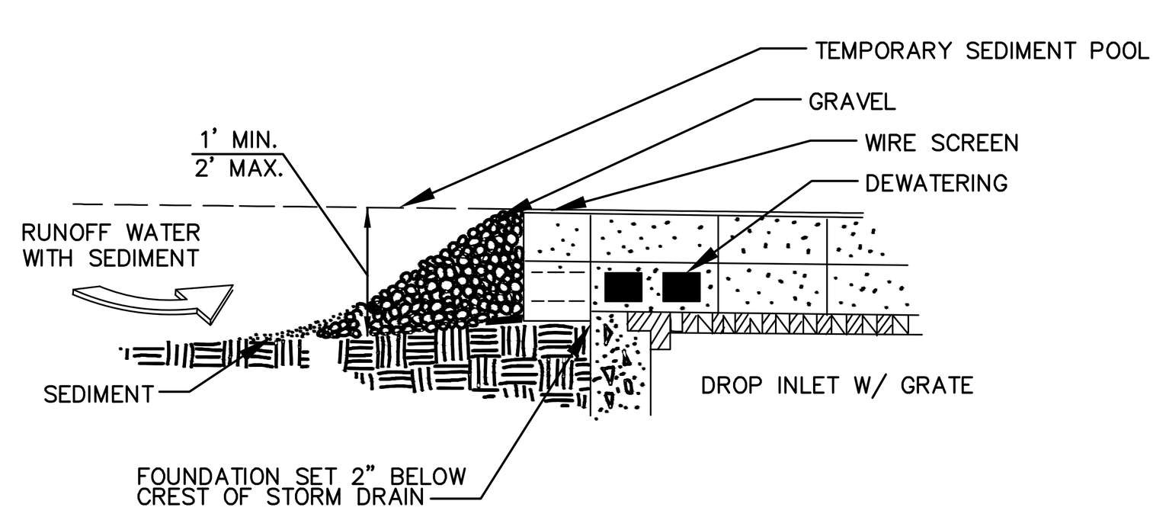
FENCE

TENSILE STRENGTH (LBS. MIN.) (1) (ASTM D-4632)	ELONGATION (%MAX.) (ASTM D-4632)	AOS (APPARENT OPENING SIZE) (MAX. SIEVE SIZE) (ASTM D-4751)	FLOW RATE (GAL/MIN./SQ. FT.) (GDT-87)	ULTRAVIOLET STABILITY (2) (ASTM D-4632 AFTER 300 HOURS WEATHERING IN ACCORDANCE WITH ASTM D-4355)	BURSTING STRENGTH MIN. (PSI MIN.) (ASTM D-3786 DIAPHRAGM BURSTING STRENGTH TESTER)	FABRIC WIDTH (INCHES)
WARP-120 FILL-100	40	#30	25	80	175	36

(1) MIN. ROLL AVERAGE OF FIVE SPECIMENS.
(2) PERCENT OF REQUIRED INITIAL MIN. TENSILE STRENGTH.

SILT FENCE-NON SENSITIVE (Sd1-NS)

N.T.S.



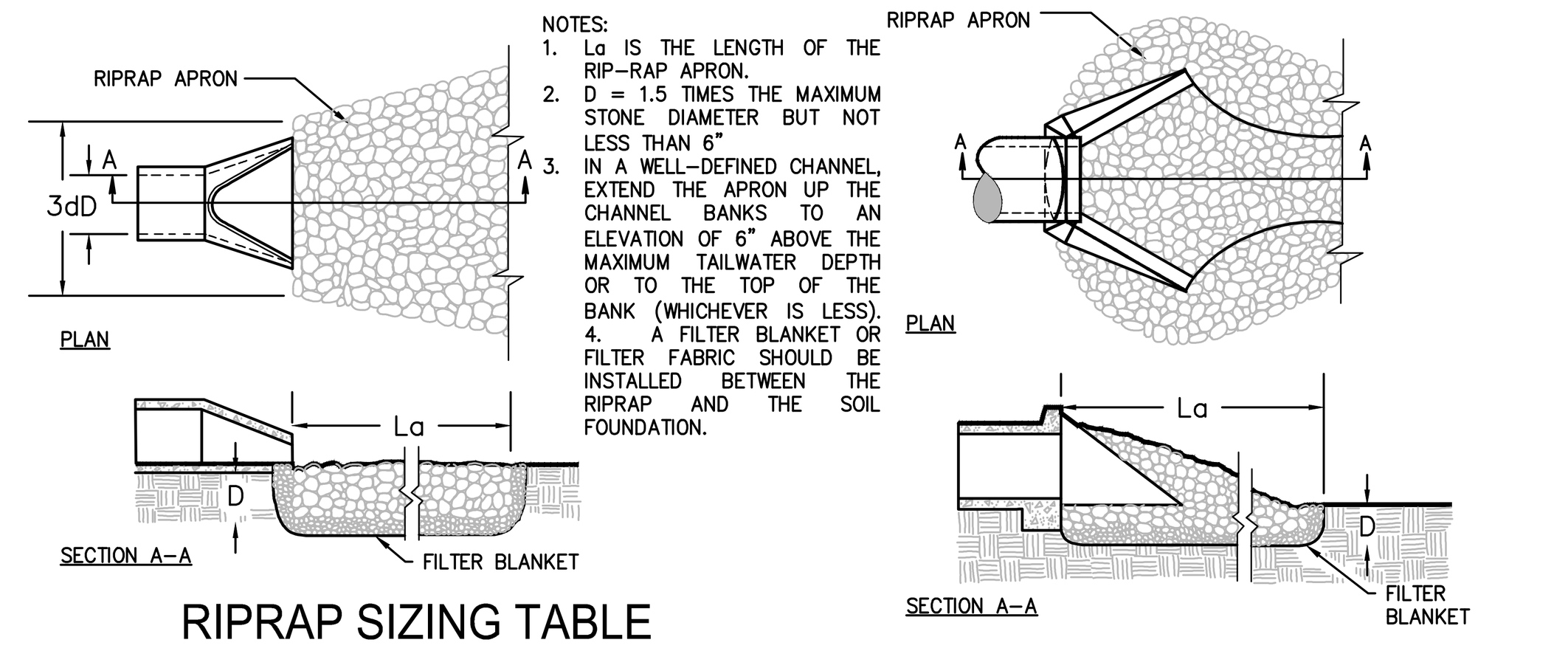
BLOCK AND GRAVEL SECTION

NOTES:
1. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2 INCH OPENINGS SHALL BE FITTED OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.
.
2. THE FOUNDATION SHALL BE EXCAVATED AT LEAST 2 INCHES BELOW THE CREST OF THE STORM DRAIN. THE FIRST ROW OF BLOCKS WILL BE PLACED HERE FOR LATERAL SUPPORT.

3. ONE BLOCK (AS SHOWN) IS TO BE PLACED ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW FOR POOL DRAINAGE.

INLET SEDIMENT TRAP DETAIL INLET FILTER (Sd2-Bg)

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL | PIPE OUTLET TO WELL DEFINED CHANNEL

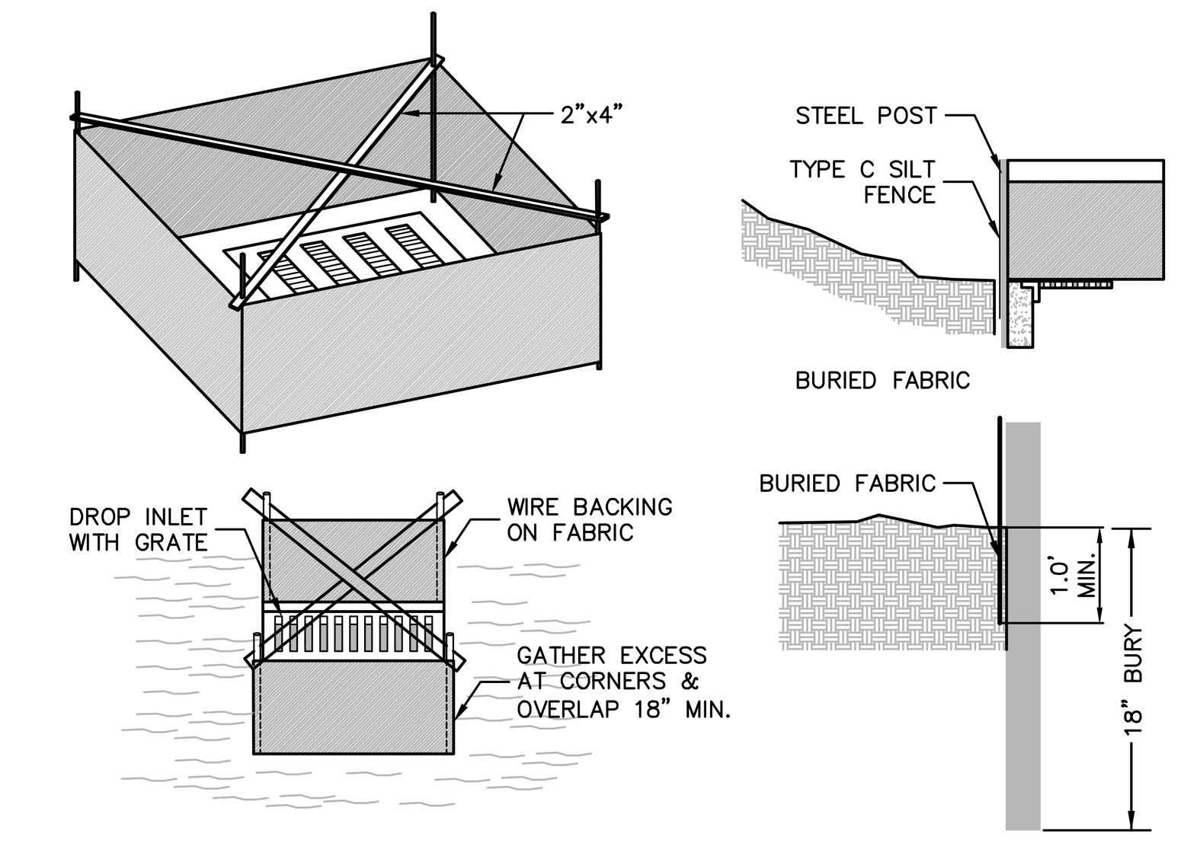


NOTES:
1. La IS THE LENGTH OF THE RIP-RAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6"
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

RIPRAP SIZING TABLE

RIPRAP OUTLET PROTECTION (St)

N.T.S.



1. USE TYPE C (WIRE REINFORCED) SILT FENCE SUPPORTED BY STEEL POSTS, MINIMUM LENGTH 3 FEET.
2. SPACE STAKES EVENLY AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART AND SECURELY DRIVE THEM INTO THE GROUND, APPROXIMATELY 18 INCHES DEEP.
3. TO PROVIDE NEEDED STABILITY TO THE INSTALLATION, FRAME WITH 2x4 INCH WOOD STRIPS FROM CORNER TO CORNER ACROSS THE TOP OF THE STEEL FRAME.
4. PLACE THE BOTTOM 12 INCHES OF THE FABRIC IN TRENCH AND BACKFILL THE TRENCH WITH AT LEAST 4 INCHES OF CRUSHED STONE OR 12 INCHES OF COMPACTED SOIL.
5. FASTEN FABRIC SECURELY TO THE STAKES AND FRAME. JOINTS MUST BE OVERLAPPED TO THE NEXT STAKE.
6. THE TOP OF THE FRAME AND FABRIC MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE FROM THE DROP INLET TO KEEP RUNOFF FROM BYPASSING THE INLET. IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON THE DOWN SLOPE SIDE OF THE STRUCTURE TO PREVENT BYPASS FLOW.
7. THE INLET SHOULD BE EXCAVATED AS SHOWN IN THE DETAIL "INLET SEDIMENT BARRIER" BELOW, AND ON SHEET 28.

INLET SEDIMENT TRAP DETAIL FILTER FABRIC WITH SUPPORTING FRAME (Sd2-F)

N.T.S.

Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

DEFINITION

APPLYING PLANT RESIDUES OR OTHER SUITABLE MATERIALS, PRODUCED ON THE SITE IF POSSIBLE, TO THE SOIL SURFACE.

CONDITIONS

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OR DISTURBANCE. MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO SIX MONTHS, BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, DEPENDING ON THE MATERIAL USED, ANCHORED, AND HAVE A CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE. MAINTENANCE SHALL BE REQUIRED TO MAINTAIN APPROPRIATE DEPTH AND 90% COVER. TEMPORARY VEGETATION MAY BE EMPLOYED INSTEAD OF MULCH IF THE AREA WILL REMAIN UNDISTURBED FOR LESS THAN SIX MONTHS. IF AN AREA WILL REMAIN UNDISTURBED FOR GREATER THAN SIX MONTHS, PERMANENT VEGETATIVE TECHNIQUES SHALL BE EMPLOYED.

SPECIFICATIONS

MULCHING WITHOUT SEEDING
THIS STANDARD APPLIES TO GRADES OR CLEARED AREAS WHERE SEEDING MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDANT COVER, BUT CAN BE STABILIZED WITH A MULCH COVER.

SITE PREPARATION
1. GRADE TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
2. INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS DIKES, DIVERSIONS, BERMS, TERRACES AND SEDIMENT BARRIERS.
3. LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

MULCHING MATERIALS
SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT THE DEPTH INDICATED:

1. DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE. ONE ADVANTAGE OF THIS MATERIAL IS EASY APPLICATION.
2. WOOD WASTE (CHIPS, SAWDUST OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED, AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY REDUCE EROSION CONTROL COSTS.
3. CUTBACK ASPHALT (SLOW CURING) SHALL BE APPLIED AT 1200 GALLONS PER ACRE (OR $\frac{1}{4}$ GALLON PER SW.YD.).
4. POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND REUSED.

APPLYING MULCH
WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TO PROVIDE FULL COVERAGE OF THE EXPOSED AREA.

1. DRY STRAW OR HAY MULCH AND WOOD CHIPS SHALL BE APPLIED UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.
2. IF THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL VEGETATION, 20-30 POUNDS OF NITROGEN PER ACRE IN ADDITION TO THE NORMAL AMOUNT SHALL BE APPLIED TO OFFSET THE UPTAKE OF NITROGEN CAUSED BY THE DECOMPOSITION OF THE ORGANIC MULCHES.
3. CUTBACK ASPHALT SHALL BE APPLIED UNIFORMLY. CARE SHOULD BE TAKEN IN AREAS OF PEDESTRIAN TRAFFIC DUE TO PROBLEMS OF "TRACKING IN" OR DAMAGE TO SHOES, CLOTHING, ETC.
4. APPLY POLYETHYLENE FILM ON EXPOSED AREAS.

ANCHORING MULCH
1. STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK." DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION. STRAW OR HAY MULCH SPREAD WITH SPECIAL BLOWER-TYPE EQUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1). THE ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE. USE 100 GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH. TACKIFERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. PLEASE REFER TO SPECIFICATION Tb-TACKIFERS AND BINDERS. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE. OPENINGS OF THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE OF THE WOOD WASTE CHIPS.
3. POLYETHYLENE FILM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY.

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

DEFINITION

THE ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS FOR SEASONAL PROTECTION ON DISTURBED OR DENUDED AREAS.

CONDITIONS

TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL EXPOSED FOR LESS THAN SIX MONTHS. TEMPORARY VEGETATIVE MEASURES SHOULD BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL AND EFFECTIVE STABILIZATION. MOST TYPES OF TEMPORARY VEGETATION ARE IDEAL TO USE AS COMPANION CROPS UNTIL THE PERMANENT VEGETATION IS ESTABLISHED.

SPECIFICATIONS

GRADING AND SHAPING
EXCESSIVE WATER RUN-OFF SHALL BE REDUCED BY PROPERLY DESIGNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BARRIERS AND OTHERS.

NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDED VEGETATION OR IF HYDRAULIC SEEING EQUIPMENT IS TO BE USED.

SEEDBED PREPARATION
WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HANDSEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.

LIME AND FERTILIZER
AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE. GRADED AREAS REQUIRE LIME APPLICATION. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED. ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-16 LBS./1,000 SQ.FT.) SHALL BE APPLIED. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

SEEDING
SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR. SEED SHALL BE APPLIED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). DRILL OR CULTIPACKER SEEDERS SHOULD NORMALLY PLACE SEED ONE-QUARTER TO ONE-HALF INCH DEEP. APPROPRIATE DEPTH OF PLATING IS TEN TIMES THE SEED DIAMETER. SOIL SHOULD BE "RAKED" LIGHTLY TO COVER SEED WITH SOIL IF SEEDED BY HAND.

MULCHING
TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT TERM PROTECTION. REFER TO Ds1-DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

IRRIGATION
DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION. THE SOIL SHALL BE THOROUGHLY WETTED TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

SEEDING RATES FOR TEMPORARY SEEDING

SPECIES	RATE PER 1,000 SQ.FT.	RATE PER ACRE *	PLANTING DATES **
RYE	3.9 pounds	3.9 bu.	9/1-3/1
RYEGRASS	0.9 pounds	0.9 lbs.	8/15-4/1
ANNUAL LESPEDEZA	0.9 pounds	0.9 lbs.	1/15-3/15
WEEPING LOVEGRASS	0.1 pounds	0.1 lbs.	2/15-6/15
SUDANGRASS	1.4 pounds	1.4 lbs.	3/1-8/1
BROWNTOP MILLET	0.9 pounds	0.9 lbs.	4/1-7/15
WHEAT	4.1 pounds	3 bu.	9/15-2/1

* UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES
** SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND CONDITIONS

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

DEFINITION

THE PLANTING OF PERENNIAL VEGETATION SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON EXPOSED AREAS FOR FINAL PERMANENT STABILIZATION.

CONDITIONS

PERMANENT PERENNIAL VEGETATION IS USED TO PROVIDE A PROTECTIVE COVER FOR EXPOSED AREAS INCLUDING CUTS, FILLS, DAMS, AND OTHER DENUDED AREAS.

SPECIFICATIONS

GRADING AND SHAPING

GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENT.

WHEN CONVENTIONAL SEEDING AND FERTILIZING ARE TO BE DONE, GRADE AND SHAPE WHERE FEASIBLE AND PRACTICAL, SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFICIENTLY DURING SEEDBED PREPARATION, SEEDING, MULCHING AND MAINTENANCE OF THE VEGETATION.

CONCENTRATIONS OF WATER THAT WILL CAUSE EXCESSIVE SOIL EROSION SHALL BE DIVERTED TO A SAFE OUTLET. DIVERSIONS AND OTHER TREATMENT PRACTICES SHALL CONFORM WITH THE APPROPRIATE STANDARDS AND SPECIFICATIONS.

SEEDBED PREPARATION

SEEBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATIONS WILL BE DONE AS FOLLOWS:

BROADCAST PLANTING

1. TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEE, SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OF HAY MULCH IF A DISK IS TO BE USED.
2. TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.
3. TILLAGE SHOULD BE DONE ON THE CONTOUR WHERE FEASIBLE.
4. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE SHALL BE PITTED OR TRENCHED ACROSS THE SLOPE WITH APPROPRIATE HAND TOOLS TO PROVIDE TWO PLACES 6 TO 8 INCHES APARTMENT IN WHICH SEED MAY LODGE AND GERMINATE. HYDRAULIC SEEDING MAY ALSO BE USED.

INDIVIDUAL PLANTS

1. WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DIBBLE PLANTING.
2. FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.
WHERE PINE SEEDLINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROW 36 INCHES DEEP ON THE CONTOUR FOUR TO SIX MONTHS PRIOR TO PLANTING. SUBSOILING SHOULD BE DONE WHEN THE SOIL IS DRY. PREFERABLY IN AUGUST OR SEPTEMBER.

PLANTING

HYDRAULIC SEEDING

MIX THE SEED (INNOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR AFTER THE MIXTURE IS MADE.

CONVENTIONAL SEEDING

SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED. FOR BROADCAST PLANTING, USE A CULTIPACKER SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED. COVER THE SEED LIGHTLY WITH 1/8 TO 1/4 INCH OF SOIL FOR SMALL SEED AND 1/2 TO 1 INCH FOR LARGE SEED WHEN USING A CULTIPACKER OR OTHER SUITABLE EQUIPMENT.

NO-TILL SEEDING

NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT (PERENNIAL) SPECIES. NO-TILL SEEDING SHALL BE DONE WITH APPROPRIATE NO-TILL SEEDING EQUIPMENT. THE SEED MY BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.

INDIVIDUAL PLANTS

SHRUBS, VINES AND SPRIGS MAY BE PLANTED WITH APPROPRIATE PLANTERS OR HAND TOOLS. PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS. NURSERY STOCK PLANTS SHALL BE PLANTED AT THE SAME DEPTH OR SLIGHTLY DEEPER THAN THEY GREW AT THE NURSERY. THE TIPS OF VINES AND SPRIGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE. WHERE INDIVIDUAL HOLES ARE DUG, FERTILIZER SHALL BE PLACED IN THE BOTTOM OF THE HOLE, TWO INCHES OF SOIL SHALL BE ADDED AND THE PLANT SHALL BE SET IN THE HOLE.

MULCHING

MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:

1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE.
2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRYSTRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.
3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIVER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4 :1 OR STEEPER.
4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF 3 TONS PER ACRE.
5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED.
7. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS ON SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

WOOD CELLULOSE AND WOOD PULP FIVERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGITATED IN WATER. THE FIBERS HALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING SEEDING.

APPLYING MULCH

STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE.

WOOD CELLULOSE OR WOOD FIBER MULCH SHALL BE APPLIED UNIFORMLY WITH HYDRAULIC SEEDING EQUIPMENT.

ANCHORING MULCH

ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE FOLLOWING METHODS:
1. EMULSIFIED ASPHALT CAN BE (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BLOWER MACHINE OR (B) SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION WHEN STRAW OR HAY IS SPREAD BY METHODS OTHER THAN SPECIAL BLOWER EQUIPMENT.
THE COMBINATION OF ASPHALT EMULSION AND WATER SHALL CONSIST OF A HOMOGENEOUS MIXTURE SATISFACTORY FOR SPRAYING. THE MIXTURE SHALL CONSIST OF 100 GALLONS OF SS-1h OR CSS-1h EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH.
CARE SHALL BE TAKEN AT ALL TIMES TO PROTECT STATE WATERS, THE PUBLIC, ADJACENT PROPERTY, PAVEMENTS, CURBS, SIDEWALKS, AND ALL OTHER STRUCTURES FROM ASPHALT DISCOLORATION.
2. HAY AND STRAW MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS SPREAD. A SPECIAL "PACKER DISK" OR DISK HARROW WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN AN ERECT POSITION. MULCH SHALL NOT BE PLOWED INTO THE SOIL.
3. SYNTHETIC TACKIFIERS OR BINDERS APPROVED BY GDOT SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. REFER TO Tb-TACKIFIERS AND BINDERS.
4. RYE OR WHEAT CAN BE INCLUDED WITH FALL AND WINTER PLANTINGS TO STABILIZE THE MULCH. THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER TO ONE HALF BUSHEL PER ACRE.
5. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS. THESES MATERIALS SHALL BE INSTALLED AND ANCHORED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

IRRIGATION

IRRIGATION SHALL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF.

GMP SUBMITTAL - NOT FOR CONSTRUCTION

December 14, 2018 - 8:56 AM Printed By: ebennett

GEORGIA REGISTERED No. 34592 PROFESSIONAL ENGINEER EVAN A. BENNETT

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JOB NO. 122273642

02/26/2024

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

EROSION AND SEDIMENT CONTROL DETAILS

DRAWING NUMBER

C07.09

GENERAL NOTES

1. CONTRACT DRAWINGS, DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, SHORING AND TEMPORARY BRACING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ERECTION OF ALL TEMPORARY BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
2. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONSTRUCT THIS PROJECT IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, LAWS AND REGULATIONS.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE PRIOR TO STARTING WORK AND SHALL NOTIFY THE ARCHITECT AND/OR STRUCTURAL ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY EXISTING SITE CONDITIONS THAT ARE NOT CONSISTENT WITH THE CONSTRUCTION DOCUMENTS.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ENSURE THE SAFETY OF ALL PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE. VISITS TO THE SITE BY THE STRUCTURAL ENGINEER OR THE STRUCTURAL ENGINEER'S REPRESENTATIVE SHALL NOT RELIEVE THE CONTRACTOR OF THIS RESPONSIBILITY.
5. THE CONTRACTOR SHALL PROTECT ANY EXISTING FACILITIES, UTILITIES OR STRUCTURES FROM ALL DAMAGE.
6. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT WHEN PLACED ON FRAMED FLOORS OR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY UNUSUAL AND OR EXCESSIVE LOADS DUE TO EQUIPMENT OR CONSTRUCTION REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OR ARCHITECT OF ANY LOADS FROM EQUIPMENT THAT ARE DIFFERENT FROM THE DESIGN LOADS SHOWN ON THESE PLANS.
7. ALL REFERENCED STANDARDS REFER TO THE LATEST EDITION.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL DISCIPLINES, INCLUDING BUT NOT LIMITED TO GROUNDING WIRES, CONDUITS, PIPE AND DUCT PENETRATIONS, ELECTRICAL, MECHANICAL AND PLUMBING OPENINGS, EQUIPMENT LOADS, ETC. SEE ARCHITECTURAL, CIVIL, ELECTRICAL AND MECHANICAL DRAWINGS FOR ITEMS NOW SHOWN ON THE STRUCTURAL DRAWINGS. THE STRUCTURAL ENGINEER AND ARCHITECT SHALL BE IMMEDIATELY NOTIFIED OF ANY OPENINGS FOUND BY THIS COORDINATION THAT ARE REQUIRED IN THE STRUCTURAL MEMBERS. NO CUTS OR MODIFICATIONS OF ANY MEMBERS SHALL BE MADE THAT ARE NOT APPROVED BY THE STRUCTURAL ENGINEER.
9. SEE MECHANICAL, PLUMBING, FIRE PROTECTION, HVAC, ELECTRICAL AND OTHER TRADES DRAWINGS FOR ADDITIONAL INFORMATION AFFECTING THE STRUCTURAL WORK, INCLUDING:
   A. HANGERS, SUSPENDED PIPING, SUSPENDED EQUIPMENT, SUSPENDED DUCT WORK.
   B. ELECTRICAL CONDUIT, ELECTRICAL BOXES
   C. INSERTS, EMBEDMENTS AND OTHER SUPPORTED EQUIPMENT
   D. SLAB ON GRADE OR FLOOR EQUIPMENT AND ANCHORS
   E. UNDERGROUND DUCT, ELECTRICAL TRENCHES, PITS, MANHOLES, PIPING
   F. SEISMIC TIES FOR EQUIPMENT REQUIRING ADDITIONAL SEISMIC STABILITY
10. THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL SLOTS, PIPE SLEEVES, ANCHOR BOLTS, ETC. AS REQUIRED FOR ALL TRADES PRIOR TO CONSTRUCTION.
11. CONTRACTOR OPTIONS, WHEN PROVIDED, ARE FOR THE CONTRACTOR'S CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL DETAILS AND CHANGES NECESSARY RESULTING FROM CHOSEN OPTION.
12. WORK NOT INDICATED AS PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT AT CORRESPONDING PLACES SHALL BE REPEATED. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS, THE GREATER REQUIREMENT SHALL BE ASSUMED TO GOVERN UNTIL A RULING IS MADE BY THE ARCHITECT/ENGINEER.
13. TYPICAL DETAILS ARE NOT CUT ON DRAWING, BUT APPLY UNLESS NOTED OTHERWISE.
14. ONCE THE PROJECT IS COMPLETED, IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE THE APPROPRIATE MAINTENANCE TO PROTECT THE STRUCTURAL INTEGRITY OF THE STRUCTURE. AS PART OF THE CONTRACT, THE CONTRACTOR IS REQUIRED TO INFORM THE OWNER(S) OF THIS IN WRITING.
15. THE STRUCTURAL DESIGN OF THIS BUILDING TAKES INTO CONSIDERATION THE ANTICIPATED GRAVITY, LATERAL AND UPLIFT LOADS BASED ON SOUND ENGINEERING JUDGEMENT. THE ENGINEER OF RECORD RESERVES THE RIGHT TO VERIFY AND MODIFY THE STRUCTURE AS NEEDED AS A RESULT OF THESE LOADS IN THE SHOP DRAWING PROCESS.
16. THESE STRUCTURAL PLANS ARE BASED ON THE LATEST INFORMATION PROVIDED TO THE STRUCTURAL ENGINEER PRIOR TO THE DATE ON THESE DRAWINGS. IF THERE IS A CONFLICT BETWEEN THESE DRAWINGS AND ANY OTHER DISCIPLINE'S DRAWINGS OR A CHANGE HAS BEEN MADE TO THIS JOB AFTER THE DATE OF THESE DRAWINGS, THE CONTRACTOR SHALL CONTACT THE ARCHITECT AND THE STRUCTURAL ENGINEER TO INSURE THESE CHANGES ARE INCORPORATED INTO THE STRUCTURAL PLANS.
17. THE ARCHITECT OF RECORD SHALL BE COPIED ON ALL EMAILS.
18. DO NOT SCALE THE DRAWINGS.

CODE/DESIGN CRITERIA

1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
   - INTERNATIONAL BUILDING CODE, 2018 EDITION WITH **GEORGIA** AMENDMENTS.
2. GRAVITY LOADS:
   A. FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
   - FIXED SEATING AREAS 100 PSF
   - CONTROL ROOMS 100 PSF
   - CORRIDORS 100 PSF
   - STAIRS 100 PSF
   - STORAGE AREAS 200 PSF
   - LIGHTING CATWALKS 40 PSF

   A. CONCENTRATED FLOOR LOADS: DISTRIBUTED OVER AN AREA OF 2-1/2 SQUARE FEET, UNLESS NOTED OTHERWISE:
   - PERFORMANCE PLATFORM 2000 LB
   - SOUND RACK ROOM 1000 LB
   - CONTROL ROOMS 500 LB
   - LIGHTING CATWALKS 500 LB

   A. ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
   - ROOF, L_r **20** PSF

   B. GROUND SNOW LOAD
   - GROUND SNOW LOAD, P_g **0** PSF

   C. ROOF RAIN LOAD
   - RAIN INTENSITY, *i* 4.96 (in/hr)

   PONDING AND DRIFT EFFECTS HAVE BEEN INCLUDED IN THE DESIGN.

   D. DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):
   - FLOOR: 80 PSF
   - ROOF: 20 PSF
3. WIND LOADS:
   - BASIC DESIGN WIND SPEED, V 141 mph
   - ALLOWABLE DESIGN WIND SPEED, V_{asd} 109 mph
   - RISK CATEGORY, I_w III
   - EXPOSURE C
   - INTERNAL PRESSURE COEFFICIENT +/- 0.18
   - MAIN WIND FORCE RESISTING SYSTEM: STRUCTURAL STEEL SYSTEMS
   - SEE COMPONENT AND CLADDING DESIGN WIND PRESSURE DIAGRAM
4. EARTHQUAKE LOADS:
   - RISK CATEGORY: III
   - SEISMIC IMPORTANCE FACTOR: I_e = 1.25
   - SHORT PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S_S = 0.161
   - 1 SECOND PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S_1 = 0.074
   - SITE CLASS D
   - SHORT PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, S_{DS} = 0.172
   - 1 SECOND PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, S_{D1} = 0.118
   - SEISMIC DESIGN CATEGORY: B
   - BASIC SEISMIC-FORCE RESISTING SYSTEM: STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
   - DESIGN BASE SHEAR: 0.072W KIPS
   - SEISMIC RESPONSE COEFFICIENT, C_S = 0.72
   - RESPONSE MODIFICATION FACTOR, R = 3
   - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
7. UNLESS NOTED OTHERWISE CALCULATED INDIVIDUAL MEMBER DEFLECTIONS (IN INCHES) DO NOT EXCEED THE FOLLOWING:

	DEAD LOAD	LIVE LOAD	DEAD + LIVE LOAD
ROOF MEMBERS:	L/360	L/360	L/240
FLOOR MEMBERS:	L/360	L/360	L/240

   - WHERE, L = SPAN LENGTH (IN INCHES) BETWEEN SUPPORTS. (FOR CANTILEVERS, L IS TWICE THE LENGTH OF THE CANTILEVER.) NOTE THAT THE TOTAL MAXIMUM CALCULATED FLOOR SYSTEM DEFECTION WILL BE THE SUM OF THE DEFLECTIONS OF THE SUPPORTED ELEMENTS IN A BAY.
   - THE CALCULATED DEFLECTION FOR INDIVIDUAL MEMBERS SUPPORTING MASONRY DO NOT EXCEED L/__ FOR DESIGN LOADS APPLIED AFTER THE INSTALLATION OF THE MASONRY.
10. NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

SHALLOW FOUNDATIONS

1. FOUNDATIONS ARE BASED ON DESIGN RECOMMENDATIONS INDICATED IN THE GEOTECHNICAL REPORT No. **05-02-23-6** BY **WHITAKER LABORATORY, DATED MAY 2, 2023.** ON SITE SUBSURFACE CONDITIONS DIFFERENT THAN THOSE INDICATED IN THE REPORT AFOREMENTIONED ARE NOT THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL.
2. FOUNDATIONS ARE BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF **2500** PSF.
   A. FOOTINGS SHALL NOT BEAR ON ROCK. UNDERCUT ROCK A MINIMUM OF 2 FEET BELOW BOTTOM OF FOOTING AND REPLACE WITH STRUCTURAL FILL.
3. FOUNDATION AND RETAINING WALLS ARE DESIGNED FOR LATERAL PRESSURES DUE TO THE FOLLOWING DESIGN EQUIVALENT DENSITIES:
   - PASSIVE SOIL PRESSURE: 110 PCF
   - COEFFICIENT OF FRICTION: 0.35
   - SOIL DENSITY (HEEL): 110 PCF
4. STRUCTURAL SITE PREPARATION AND COMPACTION SHALL BE PERFORMED AS FOLLOW UNLESS INDICATED OTHERWISE IN THE GEOTECHNICAL REPORT.
   A. STRIP ORGANIC TOP SOIL 5 FEET BEYOND THE EXTENT OF THE BUILDING AREA.
   B. THE AREA WHERE FOUNDATIONS IS TO BE PLACED SHALL BE PROOF ROLL TESTED. THE ROLL TEST SHALL USE A LOADED DUMP TRUCK OR EQUIVALENT EQUIPMENT. THE ROLL TEST EQUIPMENT SHALL BE DRIVEN AT SLOW SPEED OVER THE FOUNDATION AREA TWICE IN ONE DIRECTION AND TWICE PERPENDICULAR TO THE FIRST. ANY UNSTABLE, PUMPING OR SOFT SOIL SHALL BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL MATERIAL.
   C. SUITABLE STRUCTURAL FILL SHALL CONTAIN NO ORGANIC MATERIAL AND BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
   D. COMPACT STRUCTURAL FILL TO 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY, ASTM D 1557, WITHIN 2% OF OPTIMUM MOISTURE CONTENT. SOIL COMPACTION SHALL BE FIELD CONTROLLED BY A QUALIFIED LABORATORY OR SOILS ENGINEER, APPROVED BY STRUCTURAL ENGINEER.
   E. EACH LAYER OF FILL SHALL NOT EXCEED 6" THICK AND SHALL BE COMPACTED PRIOR TO PLACEMENT OF NEXT LAYER UNLESS INDICATED OTHERWISE IN THE GEOTECHNICAL REPORT.
5. BOTTOM OF COLUMN FOOTING SHALL HAVE THE ALLOWABLE SOIL BEARING CAPACITY VERIFIED TO DEPTH OF 2 1/2 TIMES THE NARROW DIMENSION OF THE FOUNDATION WITH A CONE PENETROMETER. THE BOTTOM OF WALL FOOTING SHALL HAVE THE BEARING CAPACITY VERIFIED TO DEPTH OF 2 1/2 TIMES THE WIDTH OF FOOTING WITH A CONE PENETROMETER. THE TESTING SHALL BE DONE BY A QUALIFIED LABORATORY OR GEOTECHNICAL ENGINEER APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
6. COMPACT BOTTOM OF EXCAVATION WITH APPROPRIATE COMPACTION EQUIPMENT. A MINIMUM OF 8 OVERLAPPING PASSES REQUIRED. BOTTOM OF EXCAVATION SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY, ASTM D 1557, WITHIN 2% OF OPTIMUM MOISTURE CONTENT. SOIL COMPACTION SHALL BE FIELD CONTROLLED BY A QUALIFIED LABORATORY OR GEOTECHNICAL ENGINEER, APPROVED BY THE STRUCTURAL ENGINEER.
7. IF SOIL IS DISTURBED DURING EXCAVATION FOR FOOTINGS, THE DISTURBED AREA SHALL BE RECOMPACTED.
8. PLUMBING AND ELECTRIC SHALL NOT BE PLACED UNDER COLUMN FOOTINGS AND SHALL BE PLACED PERPENDICULAR TO WALL FOOTINGS, UNDER OR OVER WALL FOOTINGS.
9. CENTER ALL FOOTINGS UNDER THEIR RESPECTIVE COLUMNS OR WALLS, UNLESS OTHERWISE NOTED.
10. THE OUTER LAYER OF REINFORCING SHALL BE IN THE LONG DIRECTION OF THE FOOTING UNLESS NOTED OTHERWISE.
11. WHERE WALL FOOTINGS ABUT COLUMN FOOTINGS, REINFORCEMENT SHALL BE CONTINUOUS THRU COLUMN FOOTING.
12. SPACE FOOTING REINFORCEMENT EQUALLY AND SUPPORT FROM GROUND WITH SOLID BLOCK OF CONCRETE OR BY ACI APPROVED METHODS. DO NOT USE BRICK OR TILE.
13. EXTERIOR WALLS AND/OR RETAINING WALL BACKFILL SHALL NOT BE PLACED UNTIL WALLS HAVE ACHIEVED THEIR DESIGN STRENGTH AND CORRESPONDING LATERAL ELEMENTS HAVE BEEN INSTALLED. ADEQUATE DRAINAGE FOR EXTERIOR AND RETAINING WALLS SHALL BE PROVIDED AND COORDINATED WITH CIVIL AND ARCHITECTURAL DRAWINGS.

SLAB ON GRADE NOTES

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 302.1R AND OTHER APPLICABLE ACI CODES.
2. THE SLAB ON GRADE SHALL BE PLACED ON A MINIMUM OF 4" GRANULAR BASE HAVING LESS THAN 10% FINES. THIS SNAD FILL SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS MEASURE BY THE STANDARD PROCTOR METHOD (ASTM D-698) AT OPTIMUM MOISTURE CONTENT. COMPACTION SHALL BE VERIFY BY A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO POURING CONCRETE. THE COMPACTION TEST RESULTS, WITH THE SEAL AND SIGNATURE OF THE GEOTECHNICAL ENGINEER, SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER AND ARCHITECT.
3. SAW CUTTING OF THE CONTROL JOISTS SHALL BE PERFORMED: 1) BEFORE THE CONCRETE BEGINS TO COOL; 2) AS SOON POSSIBLE TO SAWCUT THE CONCRETE WITHOUT DAMAGING THE FINISH OR DAMAGE OR TEAR THE CONCRETE WITH THE SAW BLADE; 3) BEFORE SHRINKAGE CRACKS BEGIN TO FORM.
4. MAXIMUM SPACING OF SAW-CUT CONTROL JOINTS SHALL BE 15'-0" FOR A 4" SLAB ON GRADE AND 20'-0" FOR A 6" SLAB ON GRADE. DO NOT ALIGN SAW-CUT CONTROL JOINTS WITH THICKENED SLABS THAT RUN PARALLEL TO THE JOINT.
5. ALL SAW-CUT CONTROL JOINTS SHALL SECTION THE SLAB ON GRADE INTO RECTANGULAR SECTIONS. THE WIDTH TO LENGTH RATIO OF THESE SEGMENTS SHALL NOT EXCEED 1.25.
6. ISOLATION JOINTS SHALL BE PLACED AT ALL COLUMNS THAT PENETRATE THE SLAB. THE CORNERS OF THE ISOLATION JOINTS SHALL ALIGN WITH THE SAW-CUT CONTROL JOINTS IN THE SLAB, UNLESS SHOWN OTHERWISE ON THE STRUCTURAL PLANS.
7. INSTALL EXPANSION JOINTS WHERE SHOWN ON THE PLANS.
8. LOCATE CONSTRUCTION JOINTS UNDER WALLS.
9. INSTALL CONSTRUCTION JOINTS TO LIMIT EACH POUR TO NO MORE THAN 7,500 SQUARE FEET. THE LENGTH OF ANY SINGLE POUR SHALL NOT EXCEED 100 FEET. ALLOW A MINIMUM OF 24 HOURS BETWEEN ADJACENT POURS.
10. THE VAPOR BARRIER UNDER THE SLAB ON GRADE SHALL BE A MINIMUM OF 15 MIL. LAP EDGES OF SHEETS A MINIMUM OF 12" AND CLOSE JOINTS WITH TAPE.
11. ALL SOIL DISTURBED BY PLUMBING, ELECTRICAL OR OTHER TRADE INSTALLATION SHALL BE PROPERLY REFILLED IN 6" LIFTS, COMPACTED AND TESTED IN ACCORDANCE WITH SPECIFICATIONS.

CONCRETE NOTES

1. ALL CONCRETE SHALL CONFORM TO ACI 301.
2. ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE ACI CODE.
3. ALL CONCRETE SHALL HAVE THE FOLLOWING STRENGTHS:
   A. FOOTINGS: 3000 PSI
   B. SLAB ON GRADE: 4000 PSI
   C. ELEVATED SLABS: 3000 PSI
4. SUBMIT MIX DESIGN TO ENGINEER FOR APPROVAL.
5. THE CONCRETE SLUMP SHALL FALL WITHIN THE FOLLOWING RANGES:
   A. FOOTINGS AND SLABS: 4 TO 6 INCHES
   B. WALLS: 5 TO 7 INCHES
6. THE CONCRETE AIR ENTRAINMENT SHALL FALL WITHIN THE FOLLOWING RANGES:
   A. FOOTINGS AND SLABS: 1 TO 4%
   B. SIDEWALKS: 5 TO 7%
   C. STRUCTURAL CONCRETE SUBJECTED TO FREEZE AND THAW ACTION: 5 TO 7%
7. FLYASH MAY BE USED IN THE CONCRETE MIX. FLYASH SHALL ONLY BE USED AS A 2 TO 1 REPLACEMENT OF CEMENT (2 FLYASH PER 1 POUND CEMENT) UP TO 120 POUNDS OF FLYASH MAXIMUM.
8. ALL CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60.
9. ALL WELDED WIRE MESH TO BE ASTM A185 65 KSI.
10. REBAR SHOP DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH ACI DETAILING MANUAL LATEST EDITION.
11. MINIMUM LAP ON ALL REBAR SHALL BE 50 BAR DIAMETERS, UNLESS NOTED OTHERWISE.
12. ALL REINFORCING BARS SHOWN TO BE HOOKED SHALL HAVE A STANDARD HOOK PER CRSI AND ACI STANDARDS, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE STRUCTURAL PLANS.
13. CORNER BARS ARE REQUIRED AT ALL CORNERS UNLESS SPECIFICALLY NOTED OTHERWISE ON THE STRUCTURAL PLANS.
14. REINFORCEMENT SHALL BE HELD IN PLACE DURING CONCRETE PLACEMENT. IF REQUIRED, ADDITIONAL BARS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS.
15. SUBMIT REBAR SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
16. ALL FIBERMESH SHALL BE 1 1/2" MD POLYETHYLENE POLYFIBRILATED FIBERS AS PRODUCED BY FIBERMESH OR EQUIVALENT.
17. NO CALCIUM CHLORIDE SHALL BE USED IN THE CONCRETE MIX.
18. THE CONTRACTOR SHALL TAKE THE PRECAUTIONS SPECIFIED BY ACI WHEN PLACING CONCRETE IN HOT OR COLD WEATHER CONDITIONS.
19. NO WATER SHALL BE ADDED TO THE CONCRETE AT THE SITE OR IN ROUTE TO THE SITE.
20. LAP ALL WELDED WIRE FABRIC 12" MINIMUM.
21. PROVIDE REBAR SUPPORTS AND TIES IN THE CONCRETE PER ACI AND CRSI SPECIFICATIONS.
22. REINFORCING SHALL BE INSTALLED IN THE CONCRETE IN ACCORDANCE WITH THE FOLLOWING COVER REQUIREMENTS
   A. CONCRETE POURED AGAINST THE GROUND: 3"
   B. CONCRETE EXPOSED TO THE GROUND OR WEATHER: 2"
   C. CONCRETE NOT EXPOSED TO THE WEATHER OR IN CONTACT WITH THE GROUND:
   - #3 - #11 BARS: 3/4"
   - LARGER THAN #11 BARS: 1 1/2"
   - CONCRETE IN BEAMS OR COLUMNS: 1 1/2"
23. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED BY THE GENERAL CONTRACTOR TO COLLECT CYLINDER AND PERFORM THE NECESSARY CONCRETE TESTS. A MINIMUM OF FOUR CYLINDERS SHALL BE TAKEN FOR EVERY 50 CUBIC YARDS OR PORTION THEREOF OF EACH DAY'S POUR. ONE CYLINDER SHALL BE TESTED AT 7 DAYS, 2 CYLINDERS SHALL BE TESTED AT 28 DAYS AND THE REMAINING CYLINDER SHALL BE HELD IN RESERVE IF NEEDED. ONE COPY OF THE TEST REPORTS SHALL BE SENT TO THE ARCHITECT AND STRUCTURAL ENGINEER. NO ADDITIONAL ELEMENTS SHALL BE ADDED TO THE CONCRETE AFTER THE CONCRETE FOR THE CYLINDERS IS TAKEN.
24. IN ADDITION TO THE CONCRETE CYLINDERS THE TESTING LABORATORY SHALL PERFORM THE FOLLOWING TEST EACH TIME CONCRETE CYLINDERS ARE TAKEN:
   A. STANDARD SLUMP TEST
   B. AIR ENTRAINMENT TEST
   C. TEMPERATURE
25. THE CONTRACTOR SHALL REPAIR AND PATCH DEFECTIVE AREAS IMMEDIATELY AFTER REMOVAL OF FORMS.
26. ALL PLUMBING SLOTS SHALL BE FILLED WITH CONCRETE TO THE SAME DEPTH AS THE FLOOR SLAB AFTER PIPING IS INSTALLED.
27. REBAR DOWELS SHALL MATCH VERTICAL REINFORCING, ALL SLAB DOWELS SHALL BE STRAIGHT, SMOOTH AND FREE OF BURRS AT THE ENDS. DOWELS SHALL BE PROPERLY SUPPORTED DURING CONSTRUCTION AND PROPERLY ALIGNED TO KEEP DOWELS PARALLEL TO THE DIRECTION OF EXPECTED MOTION.
28. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER DESIGN OF ALL TEMPORARY FRAMEWORK, FORMWORK AND SHORING.
29. ALL NON-SHRINK GROUT SHALL BE PLACED UNDER COLUMN BASE PLATES ONCE THE STEEL COLUMN IS IN PLACE AND PLUMB.

STRUCTURAL STEEL NOTES:

1. ALL STEEL WORK SHALL BE IN ACCORDANCE WITH AISC CODES AND SPECIFICATIONS.
2. THE STRUCTURAL STEEL FABRICATOR SHALL BE AN AISC CERTIFIED STEEL FABRICATOR.
3. THE STRUCTURAL STEEL ERECTOR SHALL BE AN AISC CERTIFIED STEEL ERECTOR.
4. NO STEEL SHALL BE FABRICATED WITHOUT APPROVED SHOP DRAWINGS.
5. ALL PIPE STEEL SHALL BE ASTM A501 OR A53 GRADE B.
6. ALL HSS STEEL SHALL BE ASTM A500 GRADE B.
7. ALL WIDE FLANGES AND MAJOR ROLLED SHAPES SHALL BE ASTM A992 GRADE 50.
8. ALL BASEPLATES, CAP PLATES, CONTINUITY PLATES, DOUBLER PLATES, GUSSET PLATES AND WEB STIFFENER PLATES SHALL BE ASTM A572 GRADE 50.
9. ALL OTHER STEEL AND MISCELLANEOUS ROLLED SHAPES SHALL BE ASTM A36.
10. ALL STEEL IN CONTACT WITH ACQ PRESSURE TREATED WOOD SHALL BE ASTM A304 OR ASTM A316 STAINLESS STEEL UNLESS NOTED OTHERWISE.
11. ALL ANCHOR BOLTS SHALL BE A307.
12. NUTS SHALL BE ASTM A-563, HEAVY HEX CARBON STEEL. BOLTS, ANCHOR BOLTS AND THREADED RODS SHALL BE SIZED SUCH THAT NUT PROVIDE FULL THREAD ENGAGEMENT, FLUSH WITH THE OUTSIDE FACE OF THE NUT.
13. ALL BOLTS, NUTS AND WASHERS FOR STEEL CONNECTIONS SHALL BE ASTM A-325 BOLTS (A-490 WHERE SPECIFIED OTHERWISE). ALL BOLTS SHALL BE 3/4 INCH DIAMETER, UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE PRETENSIONED PER AISC SPECIFICATIONS. REUSE OF PREVIOUSLY PRETENSIONED BOLTS IS NOT ALLOWED.
14. DESIGN OF THE BOLTED CONNECTIONS SHALL BE IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" LATEST EDITION.
15. UNLESS THE LOADS ARE SHOWN ON THE PLANS, BOLTED CONNECTIONS SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM GRAVITY LOADS:
   A. NON-COMPOSITE BEAMS SHALL BE DESIGNED FOR THE MAXIMUM END REACTION FOR THE BEAM USING THE MAXIMUM UNIFORM LOAD, AISC TABLE 3-6. THE ACTUAL BEAM SPAN FULLY BRACED SHALL BE USED TO DETERMINE THIS LOAD.
   B. COMPOSITE BEAMS SHALL BE DESIGNED BASED ON 1.5 TIMES THE "MAXIMUM UNIFORM LOAD" REACTION.
   C. THE SHEAR REACTION FOR MOMENT CONNECTIONS SHALL BE DESIGNED FOR 1.5 TIMES THE "MAXIMUM UNIFORM LOAD" REACTION.
   D. CONNECTIONS FOR STRUTS, KICKERS, BRACES, VERTICAL BRACES AND TRUSS MEMBERS SHALL BE DESIGNED FOR THE MAXIMUM ALLOWABLE LOAD IN THE MEMBER AST*FY*(0.66), ALLOWABLE STRESS DESIGN PROCEDURE.
16. ALL BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO (2) BOLTS, UNLESS NOTED OTHERWISE.
17. ALL TUBE AND PIPE SIZES AND CONNECTIONS SHALL BE BASED ON THE AISC HOLLOW STRUCTURAL SECTIONS CONNECTIONS MANUAL LATEST EDITION 18) WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED IN ACCORDANCE WITH AWS REQUIREMENTS. A COPY OF THE WELD CERTIFICATES SHALL BE KEPT ON SITE AND IN THE SHOP. THE WELD CERTIFICATE SHALL SHOW THE TYPE, SIZE, POSITION AND BASE METALS THE WELDER IS CERTIFIED TO PERFORM WELDING OPERATIONS.
18. ALL WELDS SHALL BE E70XX ELECTRODES.
19. THE MINIMUM WELD SIZE SHALL BE 1/4 INCHES, UNLESS NOTED OTHERWISE ON THE DETAILS, BUT NOT MORE THAN THE BASE METAL THICKNESS. WHERE THICKNESS OF METALS BEING WELDED REQUIRE A LARGER MINIMUM SIZE PER AISC, THE AISC REQUIREMENTS SHALL GOVERN.
20. ALL WELDS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY (AWS) MANUAL, AWS D1.1 LATEST EDITION.
21. ALL CONNECTIONS SHALL BE DESIGNED AND DETAILED BY THE STEEL FABRICATOR. ALL CONNECTION DESIGN AND DETAILING SHALL BE PREPARED UNDER THE DIRECT SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE JURISDICTION OF THE PROJECT. THE FABRICATOR SHALL SUBMIT THE DESIGN CALCULATIONS SIGNED AND SEALED BY THE ENGINEER RESPONSIBLE FOR THEIR DESIGN WITH THE STEEL SHOP DRAWINGS.
22. ALL SHOP AND FIELD BOLTED CONNECTIONS SHALL BE INSPECTED BY AN APPROVED TESTING AGENCY. ALL CONNECTIONS SHALL BE VISUALLY INSPECTED. A MINIMUM OF 10% OF ALL BOLTED CONNECTIONS SHALL BE RANDOMLY TESTED BY AN APPROVED TESTING METHOD.
23. ALL SHOP AND FIELD WELDED CONNECTIONS SHALL BE INSPECTED BY AN APPROVED TESTING AGENCY. ALL WELDS SHALL BE VISUALLY INSPECTED. WELDED THAT DO NOT PASS VISUAL INSPECTION SHALL BE TESTED BY AN APPROVED METHOD. IN ADDITION WELDS SHALL BE INSPECTED AND TESTED AS FOLLOWS.
   A. 100% OF ALL FULL PENETRATION WELDS SHALL BE TESTED BY ULTRASONIC TESTING OR APPROVED EQUIVALENT METHOD.
   B. 100% OF WELDS THAT ARE PART OF THE WIND FORCES RESISTING SYSTEM OR SEISMIC FORCES RESISTING SYSTEM SHALL BE TESTED THROUGH AN APPROVED METHOD.
   C. A MINIMUM OF 20% OF PARTIAL PENETRATION WELDS SHALL BE TESTED THROUGH AN APPROVED METHOD.
   D. A MINIMUM OF 10% OF FILLET WELDS SHALL BE TESTED THROUGH AN APPROVED METHOD.
   E. HE INSPECTOR MAY REQUIRE ADDITIONAL TESTING IF BASED ON THE PERFORMANCE OF THE MINIMUM SHOP AND FIELD TESTS, IT IS DETERMINED MORE TESTING IS NEEDED.
24. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL MISCELLANEOUS STEEL.
25. SEE ARCHITECTURAL DRAWINGS FOR ANY FIREPROOFING REQUIREMENTS.
26. ALL CAP PLATES SUPPORTING BEAMS OR JOISTS SHALL BE A MINIMUM OF 5/8" THICK, UNLESS THE CONNECTION ANALYSIS OR THE STRUCTURAL PLANS REQUIRE OTHERWISE.
27. ANCHOR RODS FOR STEEL CONNECTION TO CONCRETE SHALL BE HEADED RODS CONFORMING TO THE REQUIREMENTS OF ASTM F-1554, GRADE 55 WITH WELDABILITY SUPPLEMENT S1.
28. PLATE WASHERS FABRICATED WITH STANDARD HOLES FOR ANCHOR RODS INSTALLED IN OVERSIZED HOLES SHALL CONFORM TO TABLE 14-2 OF AISC STEEL CONSTRUCTION MANUAL, LATEST EDITION. WHERE ANCHOR RODS RESIST LATERAL LOADS, PLATE WASHERS SHALL BE WELDED TO THE BASE PLATE TO DEVELOP THE HORIZONTAL CAPACITY OF THE ANCHOR ROD.
29. THREADED RODS SHALL BE ASTM A-193 GRADE B7 OR ASTM F-1554 GRADE 105.
30. TURNBUCKLES, CLEVISES, HEADED CLEVIS PINS AND OTHER FORGED CONNECTION HARDWARE SHALL BE FABRICATED BY CLEVELAND CITY FORGE, OR APPROVED EQUIVALENT. COORDINATE THREAD PITCH, ORIENTATION, ETC. WITH CONNECTED RODS, COORDINATE REQUIRED HOLE SIZES FOR CONNECTION HARDWARE WITH CONNECTION BOLT, PIN AND RELATED PLATE SIZES.
31. THE ENDS OF ALL STEEL BEAMS AND JOIST GIRDERS SHALL BEAR FULLY ON BEARING PLATES.
32. ALL WELDS IN EXPOSED STEEL SHALL BE FIELD COATED W/ ZINC-RICH PAINT.
33. FOR ALL STEEL BEAMS, STIFFENER PLATES SHALL BE INSTALLED ON EACH SIDE OF THE WEB AT SUPPORTS AND LOCATION OF POINT LOADS FROM BEAMS AND COLUMNS.
34. THE CONTRACTOR SHALL NOT FIELD MODIFY THE STRUCTURAL STEEL TO CORRECT FABRICATION OR CONSTRUCTION ERRORS WITHOUT SUBMITTING A PROPOSED CORRECTION TO THE STRUCTURAL ENGINEER AND RECEIVING APPROVAL FOR THIS CORRECTION.
35. THE CONTRACTOR SHALL NOT FIELD CUT STEEL WITH GAS TORCHES OR FIELD BURN HOLES FOR BOLTED CONNECTIONS.
36. THE CONTRACTOR SHALL KEEP A DETAILED RECORD OF ALL FIELD CHANGES AND REPAIRS. ALL MODIFICATIONS OF STRUCTURAL FRAMING SHALL BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO PERFORMING THE WORK.
37. THERE SHALL BE NO CUTTING OF THE STRUCTURAL STEEL FRAMING MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
38. FABRICATE BEAMS WITH NATURAL CAMBER UPWARD. SEE STRUCTURAL DRAWINGS FOR ANY ADDITIONAL CAMBER REQUIREMENTS.
39. ALL SHEAR STUDS SHALL BE ASTM A108 TYPE B HEADED STUD.
40. ALL STUDS SHALL BE WELDED THROUGH THE DECK TO THE STEEL BEAMS WITH AUTOMATIC END WELDING OF SHEAR STUDS IN ACCORDANCE WITH AWS D1.1 SPECIFICATIONS.

STEEL BAR JOISTS AND GIRDERS NOTES:

1. ALL BAR JOIST SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH SJI SPECIFICATIONS.
2. SUBMIT BAR JOIST SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
3. JOIST AND GIRDER DESIGNERS SHALL VERIFY THE EXACT LOCATION AND WEIGHT OF ALL MECHANICAL EQUIPMENT PRIOR TO SHOP DRAWING SUBMITTAL AND JOIST FABRICATION.
4. ALL BOTTOM CHORDS OF JOIST AND JOIST GIRDERS SHALL HAVE BOTTOM CHORD EXTENSIONS FASTENED AFTER APPLICATION OF ALL DEAD LOADS ON THE JOISTS OR GIRDERS.
5. PROVIDE L4X4X3/8 ANGLES SURROUNDING ALL ROOF PENETRATIONS IN THE METAL DECK UNLESS NOTED OTHERWISE.
6. ALL BAR JOISTS SHALL HAVE A MINIMUM OF 2 1/2" BEARING ON STEEL BEAMS. STAGGER SPACING AS REQUIRED TO PROVIDE BEARING ON BOTH SIDES OF THE BEAM. ALL BAR JOISTS BEARING ON MASONRY WALL SHALL HAVE A MINIMUM OF 4" BEARING. BAR JOISTS BEARING ON MASONRY SHALL BEAR ON BEARING PLATES (3/8"X6"X8" WITH 2 3/4" DIAMETER BY 4" LONG STUDS) UNLESS OTHERWISE NOTED IN PLANS.
7. JOIST DESIGNER/SUPPLIER SHALL VERIFY THE EXACT LOCATION AND WEIGHT OF ALL MECHANICAL EQUIPMENT PRIOR TO SHOP DRAWING SUBMITTAL AND JOIST FABRICATION. ALL JOISTS SUBJECT TO SPECIAL LOADS SHALL BE CONSIDERED "SPECIAL JOISTS" AS REQUIRED BY THE JOIST SIGNER/SUPPLIER. THE CONTRACTOR SHALL OBTAIN AND SUBMIT CALCULATIONS RELATING TO THE DESIGN OF THE BAR JOISTS AND GIRDERS INCLUDING "SPECIAL JOISTS."
8. CONTRACTOR IS RESPONSIBLE TO COORDINATE THE TRADES (E.G. MECHANICAL, FIRE PROTECTIONS, KITCHEN EQUIPMENT, ETC) WITH THE JOIST MANUFACTURER TO INSURE THE JOIST MANUFACTURER HAS THE PROPER DIMENSIONS, LOCATIONS AND WEIGHTS, BASED ON SUPPLIERS SUPPLIED DATA, PRIOR TO THE DESIGN OF THE JOIST.
9. ALL BAR JOISTS SUPPORTING CATWALKS SHALL BE DESIGNED FOR A MAXIMUM DEFLECTION OF L/300 UNDER TOTAL LOAD.

STEEL ROOF DECK-GALVANIZED

1. STEEL DECK SHALL BE WIDE RIB UNITS, FORMED OF **18** GAUGE STEEL SHEETS, UNLESS NOTED OTHERWISE IN PLAN, CONFORMING TO ASTM A-653, WITH A PROTECTIVE COATING OF ZINC CONFORMING TO ASTM A-924.
2. THE DECK SHALL BE CAPABLE OF SUPPORTING A UNIFORMLY DISTRIBUTED TOTAL LOAD OF 70 PSF.
3. THE DECK SHALL BE DESIGNED AN MANUFACTURED IN ACCORDANCE WITH THE "SPECIFICATIONS FOR DESIGN OF LIGHT GAGE COLD/FORMED STEEL STRUCTURAL MEMBERS", AND CONFORM TO THE STEEL DECK INSTITUTE'S RECOMMENDED SPECIFICATIONS.
4. DECK UNITS SHALL BE ERECTED AND ANCHORED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND ERECTION DRAWINGS AND GENERAL NOTE **[No.13]**.
5. SHOP DRAWINGS SHALL IDENTIFY THE SPECIFIC PROJECT, SHALL LIST ALL DESIGN CRITERIA AND SHALL SHOW DETAILS NECESSARY FOR PROPER ERECTION. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.

STEEL COMPOSITE FLOOR DECK

1. STEEL DECK SHALL BE TYPE **2"** DEEP COMPOSITE FORM DECK, FORMED OF **18** GAUGE STEEL SHEETS CONFORMING TO ASTM A-653.
2. THE DECK SHALL BE CAPABLE OF SUPPORTING A UNIFORMLY DISTRIBUTED TOTAL LOAD OF 175 PSF OVER 3 SPANS.
3. THE DECK SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE "SPECIFICATIONS FOR DESIGN OF LIGHT GAGE COLD/FORMED STEEL STRUCTURAL MEMBERS", AND CONFORM TO THE STEEL DECK INSTITUTE'S RECOMMENDED SPECIFICATIONS.
4. DECK UNITS SHALL BE ERECTED AND ANCHORED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND ERECTION DRAWINGS.
5. SHOP DRAWINGS SHALL IDENTIFY THE SPECIFIC PROJECT, SHALL LIST ALL DESIGN CRITERIA AND SHALL SHOW DETAILS NECESSARY FOR PROPER ERECTION. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.
6. SECOND FLOOR SHALL HAVE A TOTAL SLAB DEPTH AS NOTED ON PLAN. CONCRETE SHALL BE 3000 PSI CONCRETE AND REINFORCED WITH 6x6-W2.9xW2.9 WWF PLACED 1" BELOW THE TOP OF SLAB EXCEPT AT DEPRESSED SLABS.

STEEL GRATING NOTES

1. STEEL GRATING SHALL BE 1" DEEP INTERMEDIATE WELDED TYPE BY IKG BORDEN (TYPE B) OR APPROVED EQUAL. PANELS SHALL BE FABRICATED OF 3/16" BEARING BARS AT 1 3/16" O.C. PROVIDE CROSS BARS AT 4" O.C.. GRATING PANELS SHALL BE ATTACHED TO SUPPORTING MEMBERS WITH MANUFACTURER'S STANDARD GALVANIZED HOLD DOWN CLIPS, WITH A MINIMUM OF 4 FASTENERS PER PANEL. ALL GRATING SHALL BE HOT DIP GALVANIZED. ALL EDGES OF GRATING SHALL BE BANDED.
2. GRATING IS DESIGNED FOR **[100 PSF]** LIVE LOAD FOR PEDESTRIAN TRAFFIC ONLY. IT IS NOT DESIGNED FOR FORKLIFT TRAFFIC. REMOVE GRATING AND INSTALL DUNNAGE, PRIOR TO INSTALLATION OF EQUIPMENT

HUSSEY GAY BELL
Established 1958

REVISIONS:

DESIGNED	DRAWN	CHECKED
CW	CW	BC

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

GENERAL NOTES

DRAWING NUMBER

S0.01

GMP SUBMITTAL - NOT FOR CONSTRUCTION

SHOP DRAWINGS REQUIRING SPECIALTY ENGINEERING:

1. THE SPECIALTY ENGINEER IS: A REGISTER ENGINEER LICENSED IN THE JURISDICTION OF THE PROJECT, BUT NOT THE STRUCTURAL ENGINEER OF RECORD, WHO SPECIALIZES IN THE ANALYSIS AND DESIGN OF A SPECIFIC STRUCTURAL COMPONENT OR STRUCTURAL SYSTEM THAT IS REQUIRED TO SUBMIT ENGINEERED DESIGN CALCULATIONS AND DRAWINGS FOR THIS PROJECT.

2. ALL SHOP DRAWINGS REQUIRING A SPECIALTY ENGINEER SHALL BE SUBMITTED WITH CALCULATIONS FOR THE SPECIFIC PRODUCT SPECIFIED IN THE SHOP DRAWINGS BASED ON THE SPECIFIC LOADING FOR THE PROJECT. ALL CALCULATIONS AND DRAWINGS SHALL BE SIGNED AND SEALED BY THE SPECIALTY DESIGN ENGINEER.

3. PRODUCT INFORMATION FROM A MANUFACTURER'S CATALOG OF STANDARD PRODUCTS DOES NOT REQUIRE THE SEAL OF THE SPECIALTY DESIGN ENGINEER.

4. HGB REVIEW OF THE SUBMITTAL BY THE SPECIALTY DESIGN ENGINEER SHALL BE LIMITED TO THE FOLLOWING:
   A) VERIFYING THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN PROVIDED.
   B) VERIFYING THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN SIGNED AND SEALED BY THE SPECIALTY DESIGN ENGINEER.
   C) VERIFYING THE SPECIALTY DESIGN ENGINEER UNDERSTANDS THE SCOPE OF THE WORK AND DESIGN ACCORDING TO THE SPECIFIED DESIGN CRITERIA LISTED IN THE GENERAL NOTES. A DETAILED REVIEW OF THE CALCULATIONS WILL NOT BE PERFORMED.
   D) VERIFYING THAT THE CONFIGURATION SHOWN IN THE SUBMITTALS IS IN GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS.

SHOP DRAWING SUBMITTALS:

1. REVIEW BY HUSSEY GAY BELL, INC (HGB) OF SUBMITTALS IS FOR THE GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AS PRESENTED BY THE CONTRACT DOCUMENTS. NO DETAILED CHECK OF QUANTITIES OR DIMENSIONS WILL BE MADE.

2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT ALL SUBMITTALS COMPLY WITH THE LATEST PROJECT PLANS, SPECIFICATIONS, GOVERNING CODES AND REGULATIONS AND IS SOLELY RESPONSIBLE FOR CONFIRMING ALL QUANTITIES, DIMENSIONS, FABRICATION TECHNIQUES AND COORDINATING WITH ALL TRADES.

3. A SHOP DRAWING SUBMITTAL SCHEDULE SHALL BE SUBMITTED A MINIMUM OF 4 WEEKS PRIOR TO THE FIRST SHOP DRAWING SUBMITTAL.

4. SHOP DRAWINGS ARE TO BE SUBMITTED IN A TIMELY MANNER ALLOWING ADEQUATE TIME FOR PROCESSING. THE ARCHITECT AND ENGINEER WILL REVIEW AND RETURN THE SHOP DRAWINGS WITHIN 14 CALENDAR DAYS OF RECEIVING THE SUBMITTAL.

5. SHOP DRAWINGS MUST BE REVIEWED AND APPROVED BY THE CONTRACTOR PRIOR TO SUBMITTING TO HGB. SHOP DRAWINGS THAT HAVE NOT BEEN REVIEWED BY THE CONTRACTOR OR SHOW CLEAR EVIDENCE OF NOT HAVING BEEN REVIEWED, WILL BE RETURNED TO THE CONTRACTOR WITHOUT REVIEW OR APPROVAL.

6. SHOP DRAWINGS FOR SPECIFIC COMPONENTS, SUCH AS COLUMNS, FOOTINGS ETC., SHALL BE SUBMITTED IN THEIR ENTIRETY. SHOP DRAWINGS FOR SIMILAR LAYOUTS, SUCH A FLOOR FRAMING, SHALL BE SUBMITTED TOGETHER.

7. ALL SHOP DRAWINGS SHALL BE SUBMITTED WITH A LETTER OF TRANSMITTAL. DO NOT COMBINE DIFFERENT SUBMITTALS ON THE SAME LETTER OF TRANSMITTAL.

8. ALL SHOP DRAWINGS SHALL BE SUBMITTED IN A DIGITAL PDF FORMAT.

9. ALL CHANGES AND ADDITIONS ON SHOP DRAWING RE-SUBMITTALS SHALL BE CLEARLY CLOUDED AND NOTED. SHOP DRAWING RE-SUBMITTALS THAT ARE NOT CLEARLY CLOUDED AND NOTED AS REQUIRED WILL BE RETURNED UNREVIEWED AND UNAPPROVED.

10. SHOP DRAWINGS THAT REQUIRE ENGINEERING DESIGN AND SUBMITTAL OF CALCULATIONS AND DRAWINGS SIGNED AND SEALED BY AN ENGINEER SHALL MEET THE REQUIREMENTS OF THE SPECIFICATIONS FOR THE INDIVIDUAL COMPONENT THAT IS APPLICABLE AND THE ADDITIONAL REQUIREMENTS OF THE "SHOP DRAWINGS REQUIRING SPECIALTY ENGINEERING" SECTION OF THESE SPECIFICATIONS.

11. SHOP DRAWINGS THAT DO NOT MEET ALL OF THE ABOVE REQUIREMENTS WILL NOT BE REVIEWED BUT WILL BE REJECTED AND RETURNED TO THE CONTRACTOR.

12. ALL SUBMITTAL SHALL HAVE HGB-STRUCTURAL DEPARTMENT DOCUMENT REVIEW STAMP AS SHOWN BELOW.

13. REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS ALSO RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION.

HUSSEY GAY BELL
Established 1958

DOCUMENT REVIEW

These documents have been reviewed only for general conformance with the design concept of the project and general compliance with the Contract Documents. Modifications or comments made on these documents do not relieve the Contractor from compliance with the requirements of the Contract Documents. Approval of a specific item does not include approval of the assembly of which the item is a component. The Contractor is responsible for: information that pertains solely to fabrication processes, confirming and coordinating dimensions at the jobsite, the means, methods, techniques, sequences, and procedures of construction, coordination of the work of all trades, and performing all work in a safe and satisfactory manner.

☐ NO EXCEPTIONS TAKEN	☐ MAKE CORRECTIONS NOTED
☐ AMEND & RESUBMIT	☐ REJECTED/RESUBMIT
☐ DOCUMENT NOT REVIEWED	☐
DATE	BY

STAMP WILL BE DATED, INITIALED AND MARKED ONE OF THE FOLLOWING:

A. "NO EXCEPTIONS TAKEN" - MEANS NO EXCEPTIONS WERE FOUND ON THE SHOP DRAWINGS AND MAY BE USED FOR FABRICATION AND ERECTION.

B. "MAKE CORRECTIONS NOTED" - MEANS THE EXCEPTIONS WERE FEW OR SMALL; FABRICATION AND ERECTION MAY START AS SOON AS THE DRAWINGS ARE REVISED. ALSO, A RECORD COPY OF THE REVISIONS SHALL BE SENT TO THE "ENGINEER OF RECORD".

C. "AMEND & RESUBMIT" - MEANS THAT THE CORRECTIONS WERE MANY OR LARGE. REVISE THE SHOP DRAWINGS AND RESUBMIT THEM. FABRICATION AND/OR ERECTION MAY NOT START TILL THE DRAWINGS HAVE BEEN REVIEWED AND STAMPED "NO EXCEPTION TAKEN" OR "MAKE CORRECTIONS NOTED & SUBMIT RECORD COPY".

D. "REJECTED/RESUBMIT" - MEANS THAT THE SHOP DRAWING HAS TOO MANY CORRECTIONS OR DOES NOT COMPLY WITH GENERAL DESIGN CONCEPTS. ALSO, IF SHOP DRAWINGS HAVE NOT BEEN CHECKED BY THE DETAILER/ FABRICATOR AND REVIEWED BY CONTRACTOR, DRAWINGS WILL BE REJECTED. DRAWINGS REQUIRING A PROFESSIONAL ENGINEERING SEAL, THAT ARE NOT SEALED, WILL BE REJECTED.

E. "DOCUMENT NOT REVIEWED" - MEANS THAT THE SUBMITTAL DOCUMENT WAS NOT REVIEWED BY HGB STRUCTURAL DEPARTMENT

SPECIAL INSPECTIONS

1. AN APPROVED STRUCTURAL TESTING & INSPECTION AGENCY WILL PERFORM SPECIAL INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE. MATERIALS AND WORK TO BE INSPECTED INCLUDE SOIL, CONCRETE, AND STEEL CONSTRUCTION. SEE SPECIFICATION SECTIONS 013300 & 014525 FOR A COMPLETE LIST OF MATERIALS AND WORK REQUIRING SPECIAL INSPECTIONS.

2. WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING, OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES INCLUDING BUT NOT LIMITED TO JOISTS OF STEEL MATERIALS AND STRUCTURAL STEEL FRAMING CONDUCTED ON THE PREMISES OF A FABRICATOR'S SHOP AND NOT FABRICATED AT THE CONSTRUCTION JOB SITE, SPECIAL INSPECTIONS OF THE FABRICATED ITEMS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE SHALL BE PERFORMED DURING FABRICATION.

3. SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE MAY BE WAIVED FOR ITEMS FABRICATED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED ON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURES AND QUALITY CONTROL MANUALS THAT PROVIDE A BASIS FOR CONTROL OF MATERIAL AND WORKMANSHIP, WITH PERIODIC AUDITING OF FABRICATION AND QUALITY CONTROL PRACTICES BY AN APPROVED AGENCY OR BUILDING OFFICIAL. THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE THAT STATES THE FABRICATION WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

4. THE **PROJECT OWNER** WILL EMPLOY THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS ACCORDING TO THE SCHEDULE OF SPECIAL INSPECTIONS DURING CONSTRUCTION OF THE PROJECT AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE . THE APPROVED AGENCY SHALL SUBMIT TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION ALL DOCUMENTATION NECESSARY WHICH INDICATE THE QUALIFICATION AND CREDENTIALS OF EACH SPECIAL INSPECTOR AND DEMONSTRATES COMPETENCE FOR INSPECTION OF EACH PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION.

5. SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH CHAPTER 17 OF THE BUILDING CODE SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.

6. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

   A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE OR WAIVE ANY OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

   B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE PROFESSIONAL OF RECORD, AND THE CONTRACTOR WHICH INDICATE THAT THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DRAWINGS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER, THE BUILDING OFFICIAL, AND THE PROFESSIONAL OF RECORD OR AS APPROVED BY THE BUILDING OFFICIAL PRIOR TO CONSTRUCTION UNTIL ALL CORRECTIONS HAVE BEEN COMPLETED.

   C. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING THE WORK REQUIRING SPECIAL INSPECTIONS WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED CONTRACT DRAWINGS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP.

7. DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR:

   A. NOTIFY THE SPECIAL INSPECTOR THAT SPECIAL INSPECTIONS ARE NEEDED.

   B. COORDINATE THE SCHEDULING AND TIMELY NOTIFICATION OF THE SPECIFIC INDIVIDUALS NEEDED FOR THE SPECIAL INSPECTION.

   C. PROVIDE DIRECT ACCESS TO THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT.

   D. SUBMIT FABRICATOR'S CERTIFICATES OF COMPLIANCE, WELDER'S CERTIFICATES, AND OTHER REQUIRED DOCUMENTATION FOR REVIEW BY THE SPECIAL INSPECTOR.

   E. PROVIDE SAFE ACCESS TO THE WORK TO BE INSPECTED AND DELIVER SAMPLES FOR TESTING NEEDED.

SPECIAL INSPECTIONS:

1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE SECTION 1704.

   A. FREQUENCY: CONTINUOUS UNLESS SPECIFICALLY PERMITTED BY THE PRINCIPAL CODE OF RECORD TO BE PERIODIC.

   B. SPECIAL INSPECTOR: SHALL BE A LICENSED PROFESSIONAL ENGINEER OR A PERSON LICENSED TO PERFORM SPECIAL INSPECTIONS IN THE SPECIFIC AREA OF THE WORK BEING INSPECTED.

2. SOILS INSPECTIONS:

   A. SITE PREPARATION
   B. BEARING SURFACES
   C. FILL MATERIALS AND PLACEMENT
   D. IN-PLACE DENSITY

3. CONCRETE INSPECTIONS:

   A. MIX DESIGN AND MATERIALS
   B. INSTALLATION OF EMBEDDED ANCHOR BOLTS
   C. PLACEMENT AND FINISHING OF CONCRETE
   D. CURING AND WEATHER/ENVIRONMENTAL PROTECTION METHODS
   E. SAMPLING AND TESTING DURING PLACEMENT
   F. STRENGTH TESTING AND VERIFICATION
   G. EXCEPTIONS:
      - ISOLATED SPREAD FOOTINGS IN A ONE-STORY BUILDING
      - NON-STRUCTURAL SLAB ON GRADE

4. REINFORCING STEEL INSPECTIONS:

   A. TYPE, SIZE, AND GRADE VERIFICATION
   B. PLACEMENT VERIFICATION
   C. CHAIRS AND TIES USE AND INSTALLATION

5. STEEL INSPECTIONS:

   A. IN ACCORDANCE WITH AISC 360 QUALITY ASSURANCE REQUIREMENTS
   B. IN ACCORDANCE WITH AISC 341 SPECIAL INSPECTION REQUIREMENT

6. MASONRY INSPECTION:

   A. MATERIALS
   B. MORTAR AND GROUT PROPORTIONS
   C. JOINT REINFORCEMENT SIZE AND PLACEMENT
   D. MORTAR JOINT SIZE AND CONSTRUCTION
   E. REINFORCING SIZE AND LOCATION
   F. REINFORCING ANCHORS, STABILIZERS AND TIES
   G. WET SET ANCHOR SIZE, PLACEMENT AND INSTALLATION
   H. VERIFY GROUT SPACES UNOBSTRUCTED
   I. GROUT PLACEMENT
   J. PROTECT DURING COLD OR HOT WEATHER CONDITIONS

7. THE INSPECTION AGENT SHALL PREPARE AN INSPECTION REPORT AFTER EACH DAY'S INSPECTION. THIS REPORT SHALL BE SUBMITTED TO THE OWNER, THE ARCHITECT AND THE STRUCTURAL ENGINEER.

8. THE CONTRACTOR SHALL KEEP A SPECIAL INSPECTION LOG ON SITE AT ALL TIMES. THIS LOG SHALL CONTAIN THE FOLLOWING:

   A. DOCUMENTATION OF THE SPECIAL INSPECTOR'S DAYS ON SITE.
      - TIME AND DATE THE INSPECTOR ARRIVED
      - TIME AND DATE THE INSPECTOR LEFT
      - SPECIFIC TRADE BEING INSPECTED
      - DETAILED DESCRIPTION OF ITEMS INSPECTED
   B. A COPY OF THE FIELD NOTES TAKEN BY THE SPECIAL INSPECTOR EACH DAY
   C. A COPY OF EACH OF THE DISTRIBUTED SPECIAL INSPECTION REPORTS
   D. A COPY OF EACH NOTICE OF DISCREPANCY
   E. A DETAILED LOG TRACKING EACH NOTICE OF DISCREPANCY AND THE DATE THE SPECIAL INSPECTOR VERIFIED THE DISCREPANCY AS RESOLVED.

9. THE STRUCTURAL ENGINEER, THE ARCHITECT, THE CONTRACTOR, AND THE OWNER SHALL BE SENT A COPY OF ALL SPECIAL INSPECTION REPORTS, NOTICES OF DISCREPANCIES AND REPORT VERIFYING THE RESOLUTION OF ANY DISCREPANCY.

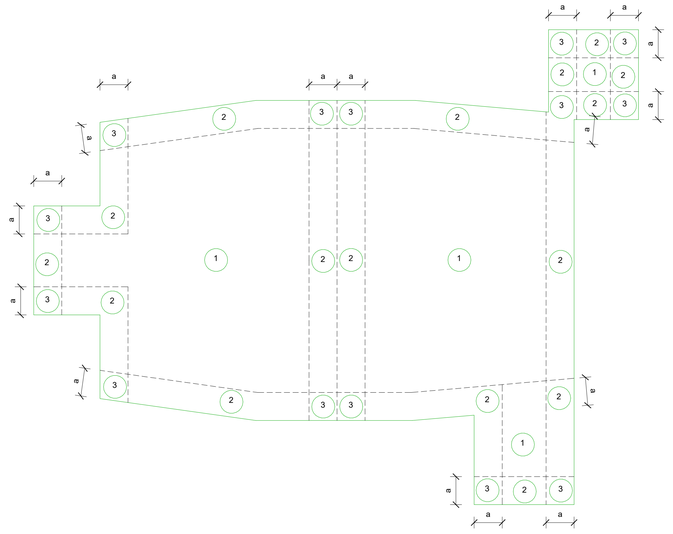


TABLE 1

COMPONENTS & CLADDING WIND LOAD SCHEDULE FOR ROOF

EFFECTIVE WIND AREA (FT_2)	ZONE 1 (PSF)	ZONE 2 (PSF)	ZONE 3 (PSF)	OVERHANG ZONE 2 (PSF)	OVERHANG ZONE 3 (PSF)
<=10	88.6	116.9	116.9	108.4	108.4
20	82.7	109.3	109.3	98.4	98.4
50	75.0	99.4	99.4	85.1	85.1
100	69.2	91.9	91.9	75.1	75.1
200	63.3	84.4	84.4	65.1	65.1
>500	55.6	74.4	74.4	51.8	51.8

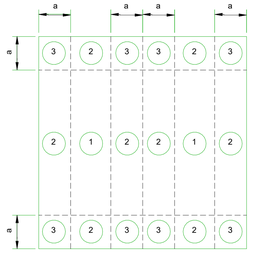
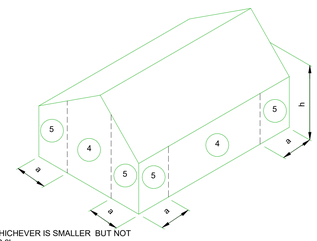


TABLE 2

COMPONENTS & CLADDING WIND LOAD SCHEDULE FOR WALL AT "H"

EFFECTIVE WIND AREA (FT_2)	ZONE 4 (PSF)	ZONE 5 (PSF)
<=10	55.1	67.8
20	52.9	52.9
50	49.9	63.3
100	47.6	57.4
200	45.4	48.4
>500	42.4	42.4



COMPONENTS AND CLADDING NOTES:

1. a = 0.1x LEAST HORIZONTAL DIMENSION, OR 0.4xh, WHICHEVER IS SMALLER BUT NOT LESS THAN 0.04 x LEAST HORIZONTAL DIMENSION OR 3'.
2. H = MEAN ROOF HEIGHT (FT).
3. POSITIVE PRESSURES ACT TOWARDS THE SURFACE. NEGATIVE PRESSURES ACT AWAY FROM THE SURFACE.
4. LINEARLY INTERPOLATE PRESSURES FOR EFFECTIVE WIND AREAS BETWEEN THOSE SCHEDULED OR USE PRESSURES FOR THE SMALLER EFFECTIVE WIND AREA.

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HUSSEY GAY BELL
Established 1958

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DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

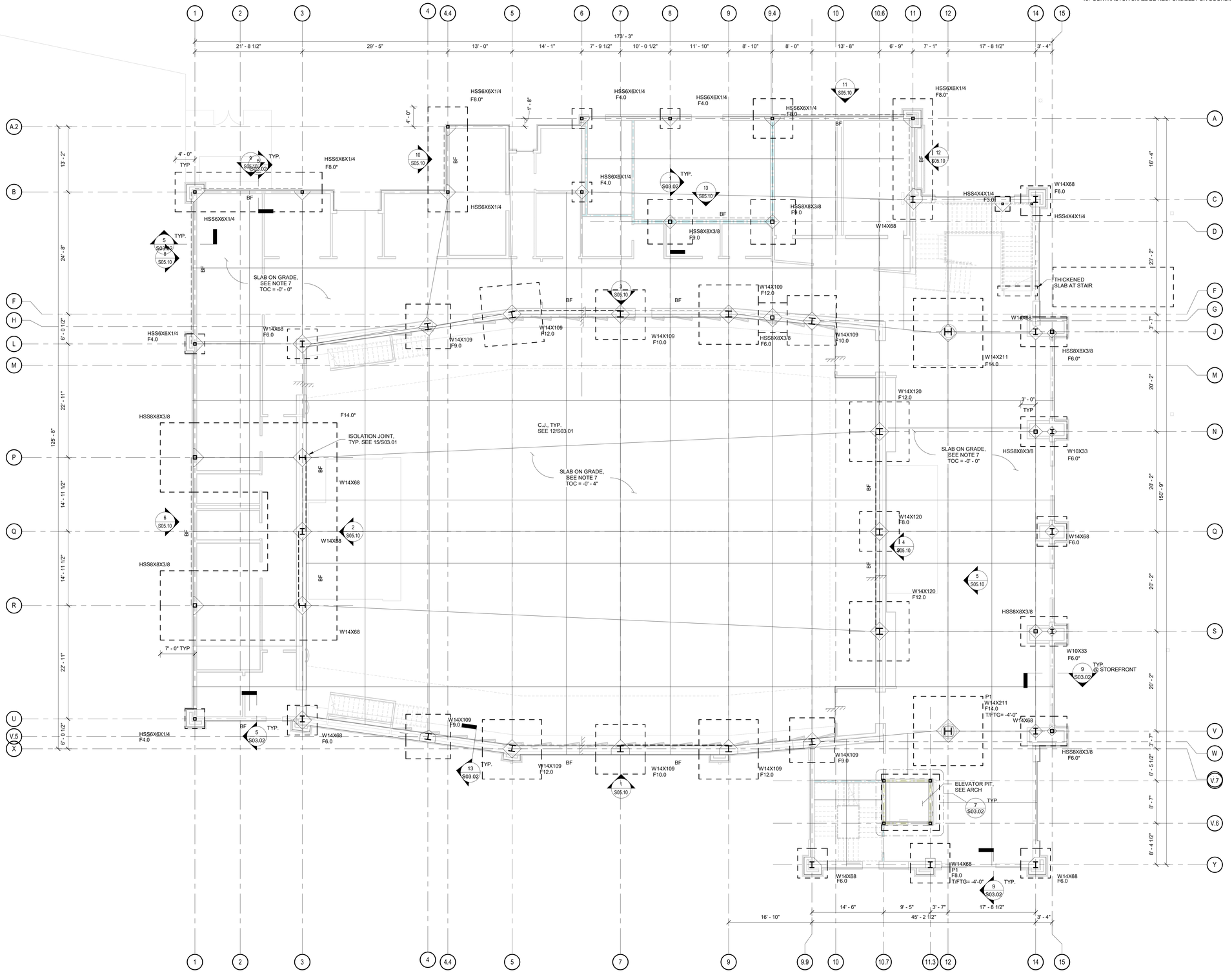
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

GENERAL NOTES

DRAWING NUMBER

S0.02

NOTES:
1. SEE S0.01 FOR STRUCTURAL GENERAL NOTES.
2. SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
3. Fx INDICATES COLUMN FOOTING, T/FTG = -1'-4" UNO, BASED ON T/SLAB REFERENCE ELEVATION = 0'-0".
4. BPx INDICATES COLUMN BASE PLATE. SEE S/S05.01.
5. Px INDICATES CONCRETE PEDESTAL/PIER.
6. INDICATES STEP IN FOOTING. SEE 7/S03.01.
7. PROVIDE 5" SLAB ON GRADE REINFORCED WITH WWF 6x6 W2.1xW2.1 ON VAPOR BARRIER AND 4" GRANULAR BASE.
8. C.J. INDICATES SLAB CONTROL JOINT. SEE 12/S03.01 AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
9. PROVIDE ISOLATION JOINT AT COLUMN. SEE 15/S03.01.
10. PROVIDE REINFORCEMENT AT RE-ENTRANT CORNERS, SEE 19/S03.01.
11. INDICATES BRACED FRAME. SEE 8/S03.01.
12. INDICATES SLAB DEPRESSION. COORDINATE LOCATION, SIZE AND DEPTH OF ALL RAISED FLOOR AND FLOOR DEPRESSIONS WITH ARCH.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY AND PLUMBING LINES.



1 S01.01 LEVEL 1 FOUNDATION PLAN
1/8" = 1'-0"

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LEVEL 1 FOUNDATION PLAN

DRAWING NUMBER
S01.01

NOTES:
1. SEE S0.01 FOR STRUCTURAL GENERAL NOTES.
2. SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
3. DECK BEARING ELEVATION INDICATED IS RELATIVE TO FIRST FLOOR REFERENCE ELEVATION = 0'-0" UNO.
4. ⟷ INDICATES DIRECTIONAL SPAN OF 2" 18 GA COMPOSITE FLOOR DECK W/ 3 1/2" N.W. CONCRETE (5 1/2" TOTAL DEPTH) W/ WWF 6x6 W2.9xW2.9. SEE 8/S05.01.
5. ⟷ INDICATES DIRECTIONAL SPAN OF 1 1/2" 20 GALV GA ROOF DECK, SEE 8/S05.01.
6. — — INDICATES BRACED FRAME.
7. (x) INDICATES NUMBER OF 3/4" ∅ HEADED STUDS EQUALLY SPACED. SEE 20/S05.02.
8. ▶ INDICATES MOMENT CONNECTION.
9. V=x INDICATES MAXIMUM UNFACTORED SHEAR REACTION IN KIPS.
10. M=x INDICATES MAXIMUM UNFACTORED MOMENT REACTION IN FEET-KIPS. CONNECTION SHALL DEVELOP FULL CAPACITY OF MEMBER.
11. ALL JOIST SHALL BE DESIGNED SHALL INCLUDE ALL MECHANICAL & THEATER EQUIPMENT, AND CATWALK LOADS. COORDINATE AS REQUIRED WITH MECH AND ARCH DRAWINGS FOR ADDITIONAL LOADS.

1 LEVEL 2 FLOOR FRAMING PLAN
S01.02 1/8" = 1'-0"

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LEVEL 2 BALCONY FRAMING PLAN

DRAWING NUMBER
S01.02

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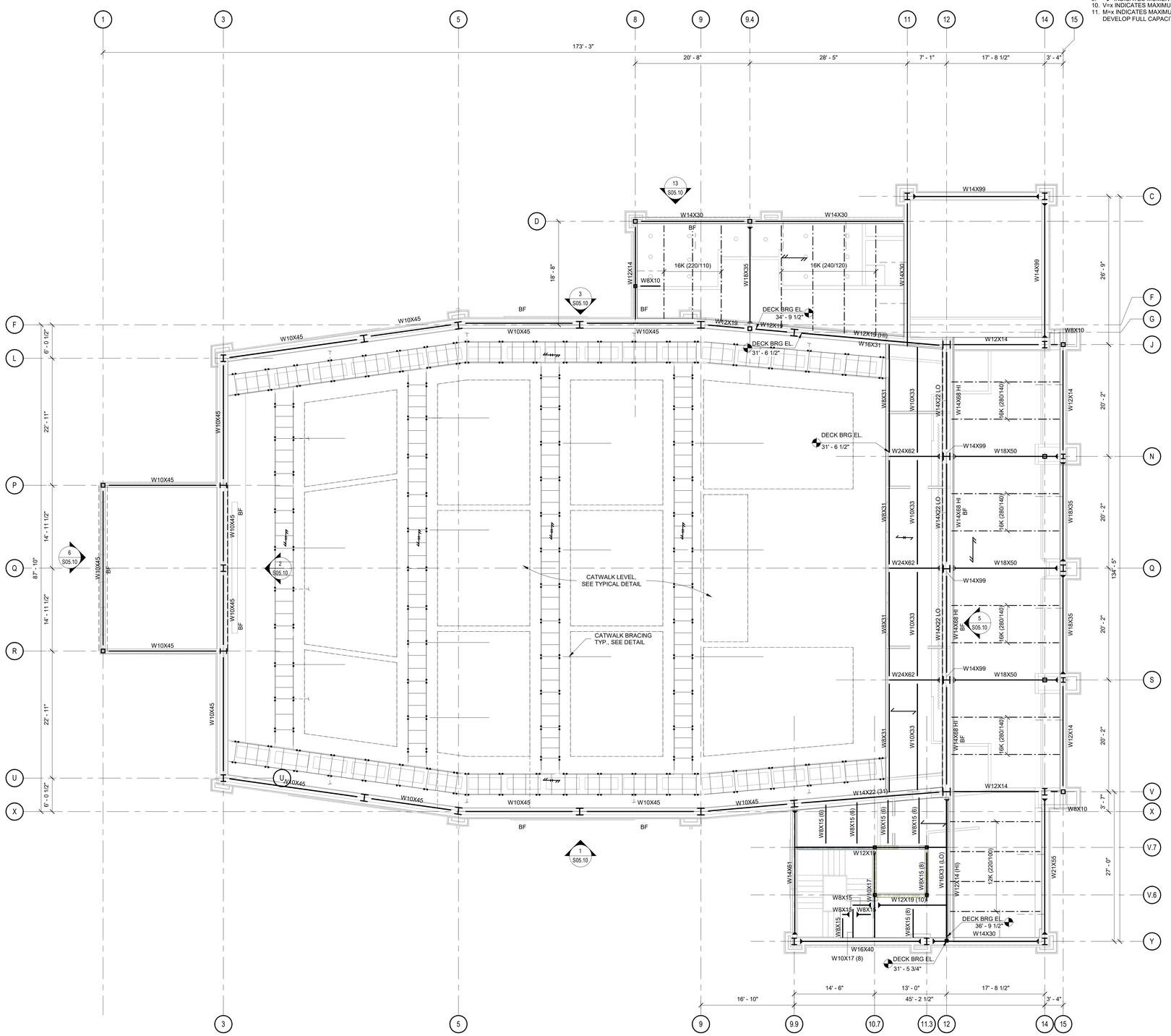
NOTES:
1. SEE S0.01 FOR STRUCTURAL GENERAL NOTES.
2. SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
3. DECK BEARING ELEVATION IS RELATIVE TO FIRST FLOOR REFERENCE ELEVATION = 0'-0" UNO.
4. INDICATES DIRECTIONAL SPAN OF 1 1/2" 20 GA GALV. ROOF DECK, SEE 8/S05.01.
5. INDICATES DIRECTIONAL SPAN OF 2" 18 GA COMPOSITE FLOOR DECK W/ 3 1/4" L.W. CONCRETE (5 1/4" TOTAL DEPTH) W/ WWF 6x6 W2.9xW2.9. SEE 8/S05.01.
6. INDICATES 1/2" DIAMOND PLATE.
7. INDICATES BRACED FRAME.
8. (x) INDICATES NUMBER OF 3/4" ∅ HEADED STUDS EQUALLY SPACED. SEE 20/S05.02.
9. ▶ INDICATES MOMENT CONNECTION.
10. V=x INDICATES MAXIMUM UNFACTORED SHEAR REACTION IN KIPS.
11. M=x INDICATES MAXIMUM UNFACTORED MOMENT REACTION IN FEET-KIPS. CONNECTION SHALL DEVELOP FULL CAPACITY OF MEMBER.



1 S01.03 CATWALK LEVEL FRAMING PLAN
1/8" = 1'-0"

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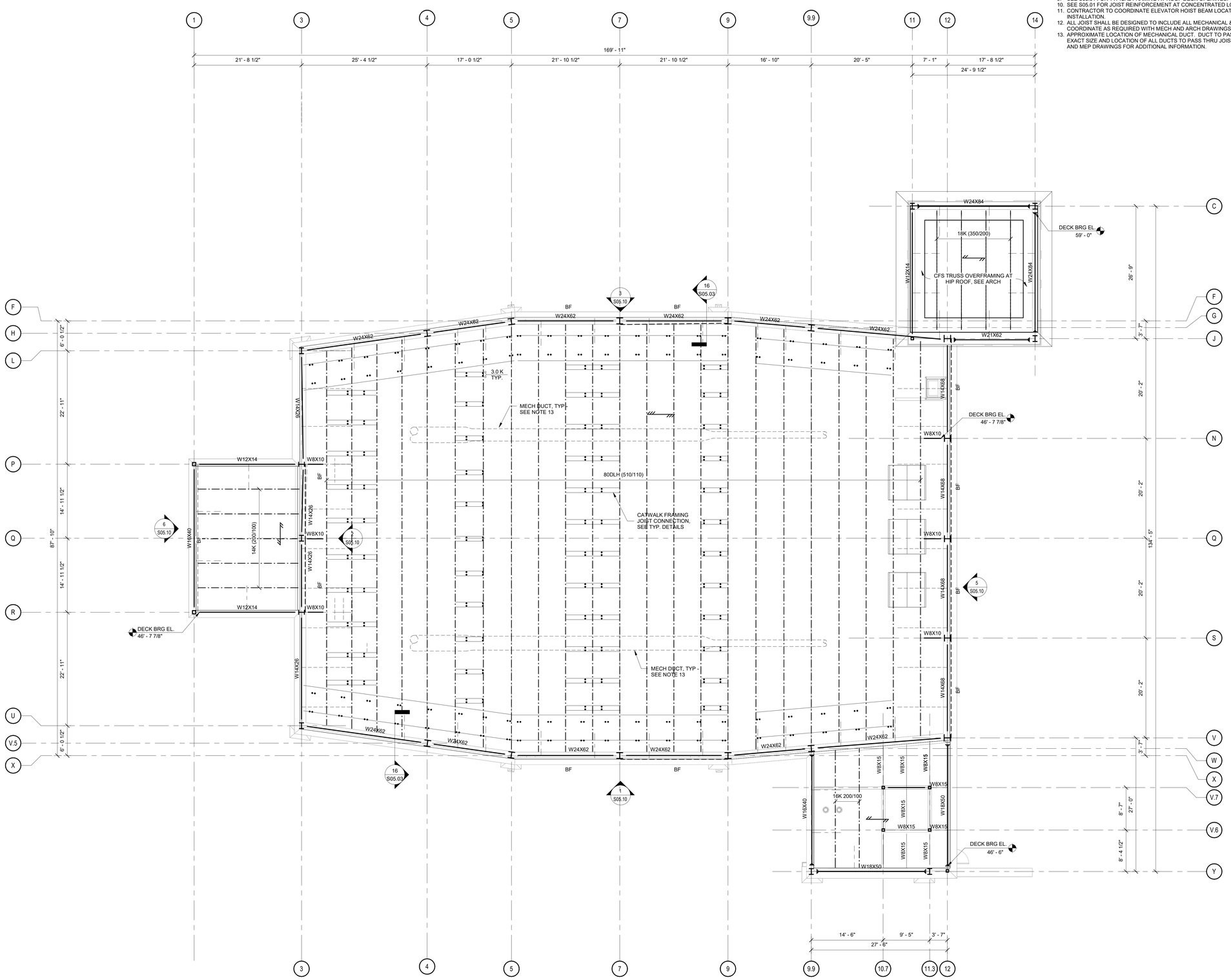
CATWALK LEVEL FRAMING PLAN

DRAWING NUMBER

S01.03

NOTES:
1. SEE S0.01 FOR STRUCTURAL GENERAL NOTES.
2. SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
3. DECK BEARING ELEVATION INDICATED IS RELATIVE TO FIRST FLOOR REFERENCE ELEVATION = 0'-0" UNO.
4. INDICATES DIRECTIONAL SPAN OF 1 1/2" 20 GA GALV. ROOF DECK, SEE 8/S05.01.
5. INDICATES DIRECTIONAL SPAN OF 1 1/2" 18 GA GALV. ROOF DECK W/ 3" MAX NORMAL-WEIGHT CONCRETE TOPPING (4 1/2" TOTAL DEPTH, 45 PSF MAX), SEE 8/S05.01.
6. INDICATES BRACED FRAME.
7. INDICATES MOMENT CONNECTION.
8. CONTRACTOR SHALL COORDINATE LOCATION AND WEIGHTS OF ALL RTU UNITS WITH MECH PRIOR TO INSTALLATION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. SEE S05.01 FOR TYPICAL FRAMING AT ROOF DECK OPENINGS.
10. SEE S05.01 FOR JOIST REINFORCEMENT AT CONCENTRATED LOADS.
11. CONTRACTOR TO COORDINATE ELEVATOR HOIST BEAM LOCATION WITH ELEVATOR MANUFACTURER PRIOR TO INSTALLATION.
12. ALL JOIST SHALL BE DESIGNED TO INCLUDE ALL MECHANICAL & THEATER EQUIPMENT, AND CATWALK LOADS. COORDINATE AS REQUIRED WITH MECH AND ARCH DRAWINGS FOR ADDITIONAL LOADS.
13. APPROXIMATE LOCATION OF MECHANICAL DUCT. DUCT TO PASS THRU JOIST. CONTRACTOR TO COORDINATE EXACT SIZE AND LOCATION OF ALL DUCTS TO PASS THRU JOIST WITH JOIST MANUFACTURER. SEE ARCHITECTURAL AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.



1 S01.04 ROOF FRAMING PLAN
1/8" = 1'-0"

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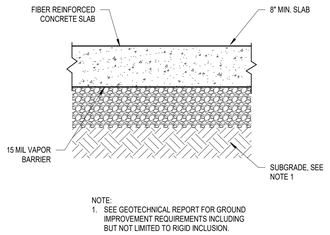
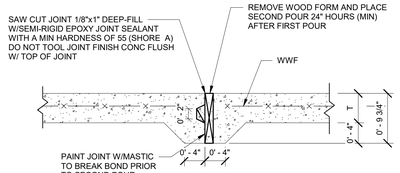
ROOF FRAMING PLAN

DRAWING NUMBER

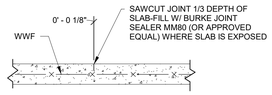
S01.04



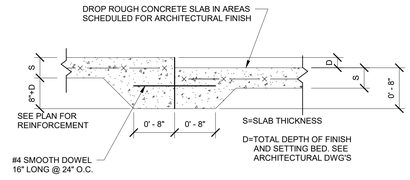
20 S03.01 TYPICAL SUBBASE DETAIL
NTS



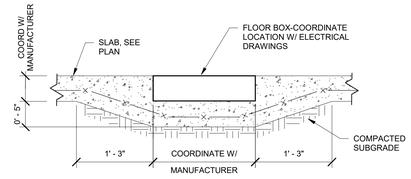
16 S03.01 CONSTRUCTION JOINT DETAIL (CJ)
1" = 1'-0"



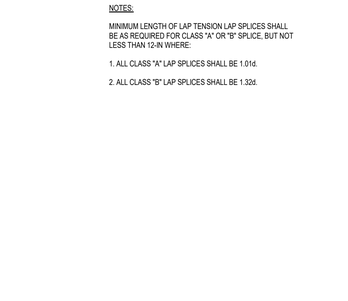
12 S03.01 SAWED CONTROL JOINT DETAIL (SJ)
1" = 1'-0"



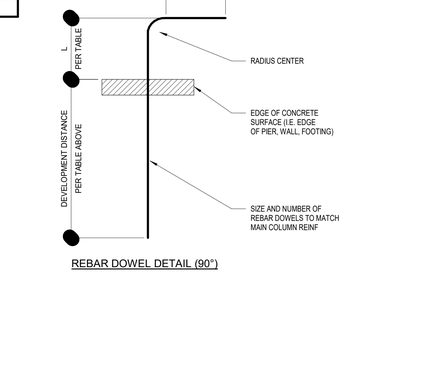
8 S03.01 DEPRESSED SLAB DETAIL
NTS



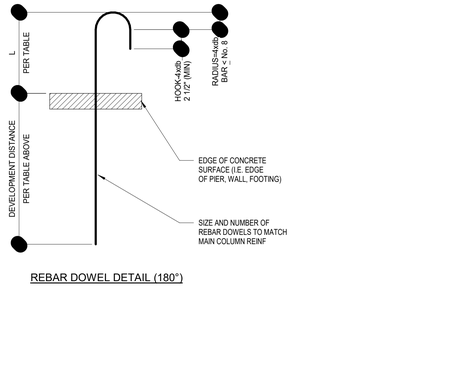
4 S03.01 FLOOR BOX DETAIL
1" = 1'-0"

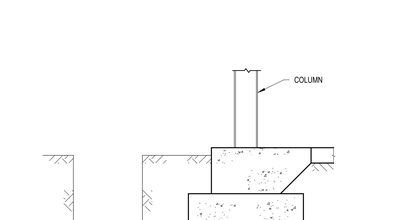


19 S03.01 D BAR DETAIL
1/2" = 1'-0"



15 S03.01 ISOLATION JOINT DETAIL
NTS





7 S03.01 STEP FOOTING DETAIL
1" = 1'-0"

REINFORCEMENT DEVELOPMENT DISTANCES PER BAR SIZE

BAR SIZE	MINIMUM DEVELOPMENT LENGTH (IN)			
	3000 PSI	4000 PSI	5000 PSI	6000 PSI
#3	20	18	16	14
#4	24	22	20	18
#5	30	26	24	22
#6	36	32	30	28
#7	52	46	40	36
#8	56	52	46	42
#9	62	56	50	46
#10	70	62	56	50
#11	76	70	64	56
#14	100	88	76	70
#18	130	110	100	92

NOTES:

MINIMUM LENGTH OF LAP TENSION LAP SPLICES SHALL BE AS REQUIRED FOR CLASS "A" OR "B" SPLICE, BUT NOT LESS THAN 12-IN WHERE:

1. ALL CLASS "A" LAP SPLICES SHALL BE 1.01d.

2. ALL CLASS "B" LAP SPLICES SHALL BE 1.32d.

STANDARD 90° HOOK DISTANCES PER BAR SIZE

BAR SIZE	HOOK (in)	L (in)
#3	5	6
#4	6	6
#5	8	8
#6	9	11
#7	11	14
#8	12	16

REBAR DOWEL DETAIL (90°)

STANDARD 180° HOOK DISTANCES PER BAR SIZE

BAR SIZE	L (in)	HOOK (in)	RADIUS (in)
#3	6	2.5	1
#4	6	2.5	2
#5	8	2.5	2.5
#6	11	3	3
#7	14	3.5	3.5
#8	16	4	4

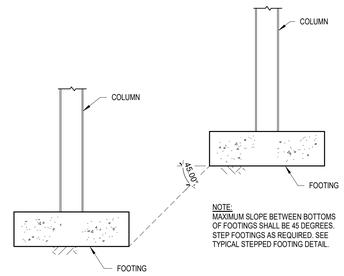
NOTES:

THE EXTENSION AFTER THE 180° HOOK MUST BE A MINIMUM OF 4db > 2 1/2". .

REBAR DOWEL DETAIL (180°)

17 S03.01 REBAR LAP AND HOOK SCHEDULE
NTS

5 S03.01 TRENCH PARALLEL TO FOUNDATION
NTS



1 S03.01 ADJACENT FOOTINGS
NTS

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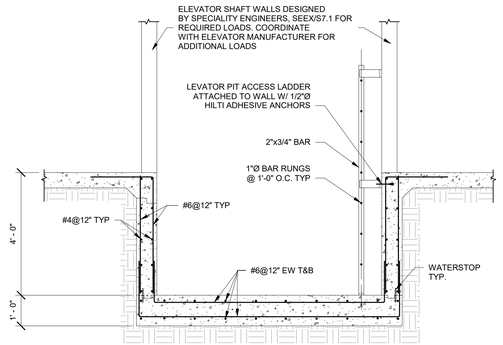
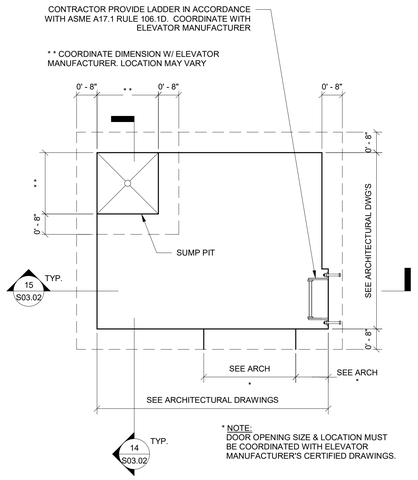
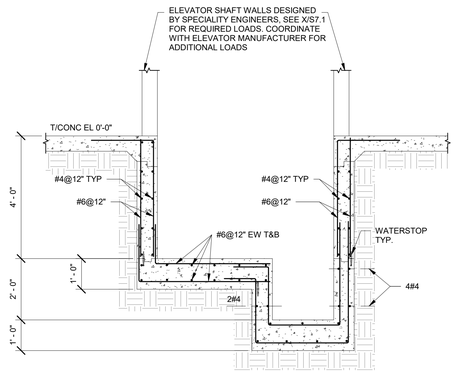
S03.01



15 S03.02 ELEVATOR SECTION
1/2" = 1'-0"



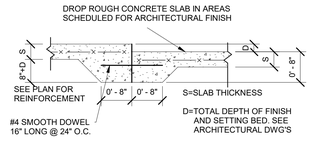
7 S03.02 ELEVATOR PLAN
1/2" = 1'-0"

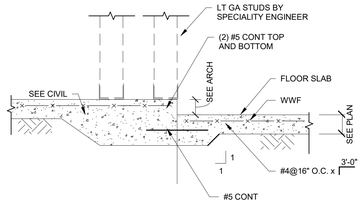


14 S03.02 ELEVATOR SECTION
1/2" = 1'-0"

FOOTING SCHEDULE						
FOOTING	LENGTH	WIDTH	THICKNESS	TOP REINF	BOTTOM REINF	REMARKS
F5.0	5'-0"	5'-0"	1'-0"	-	7-#5 EW	
F6.0	6'-0"	6'-0"	1'-0"		8-#5 EW	
F7.0	7'-0"	7'-0"	1'-6"		9-#5 EW	
F8.0	8'-0"	8'-0"	1'-6"		8-#6 EW	
F9.0	9'-0"	9'-0"	1'-6"		9-#6 EW	
F10.0	10'-0"	10'-0"	1'-6"		10-#6 EW	
F12.0	12'-0"	12'-0"	2'-0"	10-#7 EW	10-#7 EW	
F14.0	14'-0"	14'-0"	2'-6"	13-#7 EW	13-#7 EW	
F17.0	17'-0"	17'-0"	2'-6"	15-#7 EW	15-#7 EW	

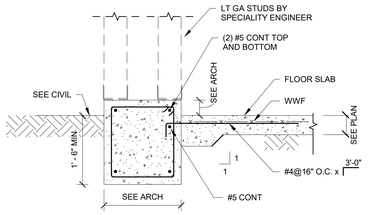
6 S03.02 FOOTING SCHEDULE
1/2" = 1'-0"





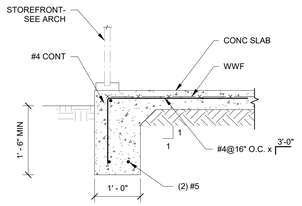
NOTE:
1. SEE GEOTECH REPORT FOR MINIMUM DIMENSIONS AND EMBEDMENT.

17 S03.02 INTERIOR STUD WALL
3/4" = 1'-0"



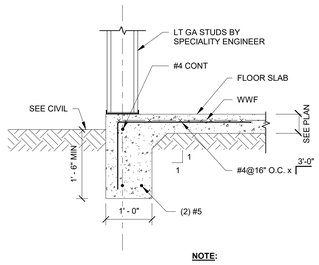
NOTE:
1. SEE GEOTECH REPORT FOR MINIMUM DIMENSIONS AND EMBEDMENT.

13 S03.02 STUD WALL FOOTING
3/4" = 1'-0"



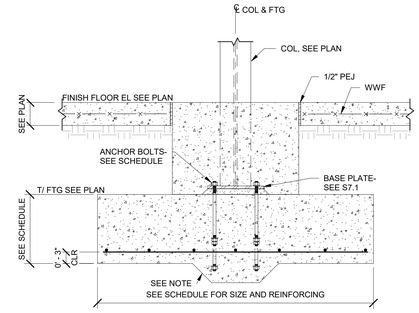
NOTE:
1. SEE GEOTECH REPORT FOR MINIMUM DIMENSIONS AND EMBEDMENT.

9 S03.02 CONCRETE TURNDOWN
3/4" = 1'-0"



NOTE:
1. SEE GEOTECH REPORT FOR MINIMUM DIMENSIONS AND EMBEDMENT.

5 S03.02 STUD WALL FOOTING
3/4" = 1'-0"



NOTE: FOR FOOTINGS WHERE ANCHOR BOLT LENGTH EXCEED DEPTH PROVIDE 3" MINIMUM CONCRETE COVER AT ANCHOR BOLT AREA.

1 S03.02 FOOTING DETAIL
3/4" = 1'-0"

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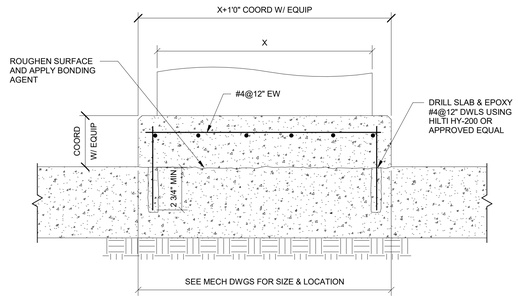
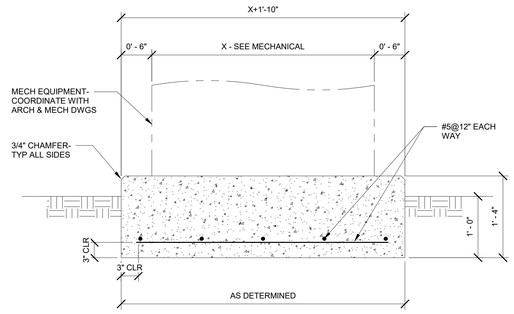
DRAWING NUMBER

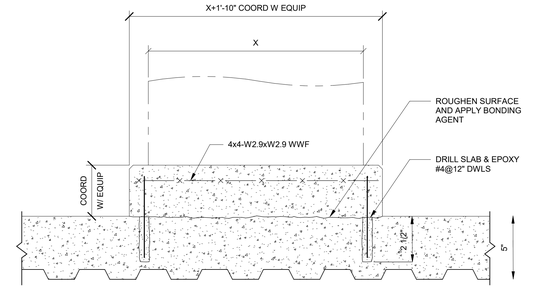
S03.02



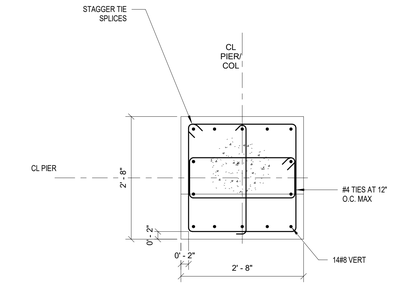
20 S03.03 MECHANICAL PAD DETAIL
1" = 1'-0"

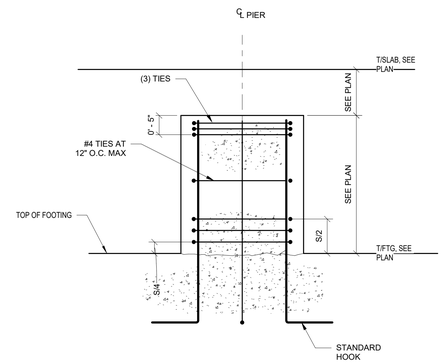


12 S03.03 MECHANICAL PAD DETAIL
1" = 1'-0"



8 S03.03 MECHANICAL PAD AT ELEVATED SLAB DETAIL
NTS





P1

2 S03.03 TYPICAL PIER DETAIL
3/4" = 1'-0"

HUSSEY GAY BELL
Established 1958

REVISIONS:

DESIGNED	DRAWN	CHECKED
CW	CW	BC

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

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CENTER FOR THE ARTS
BRUNSWICK, GA 31520

FOUNDATION DETAILS

DRAWING NUMBER

S03.03

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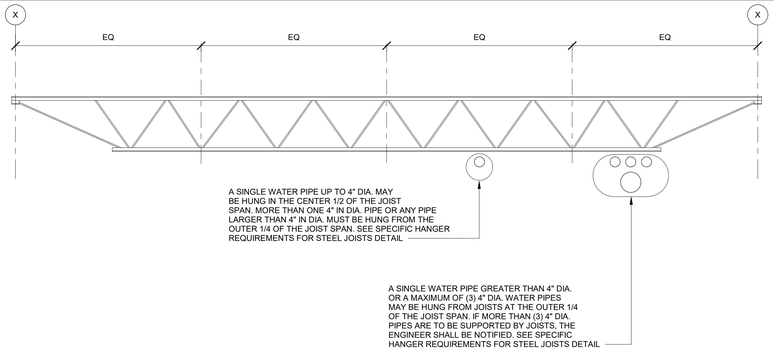
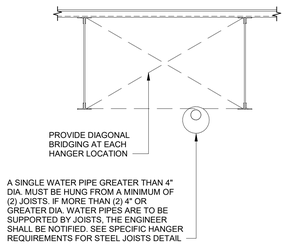


PERPENDICULAR TO JOISTS



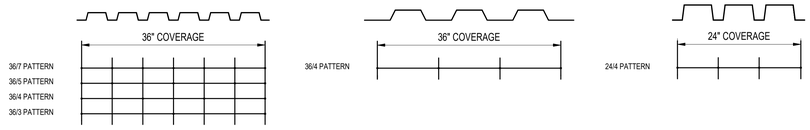
PARALLEL TO JOISTS

20 S05.01 PLACEMENT OF WATER PIPES SUPPORTED BY JOISTS DETAIL

1" = 1'-0"

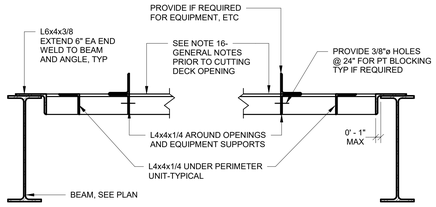
ROOF AND FLOOR DECK TABLE

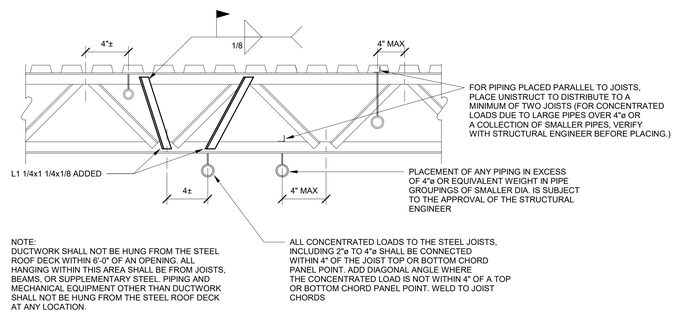
LABEL	DEPTH (IN)	DECK TYPE	DECK GAUGE	Ip	Sp	In	Sn	Fy (ksi)	INTERMEDIATE SUPPORT		SIDE LAP		PERIMETER SUPPORT	
									FASTENER	PATTERN	FASTENER	# BETWEEN SUPPORTS	FASTENER	SPACING C/C
FLOOR TYPICAL	2"	COMPOSITE	18	0.409	0.326	0.407	0.337	50	5/8"ø PUDDLE WELD	36/7	#12 TEK	8	5/8"ø PUDDLE WELD	6"
ROOF TYPICAL	1 1/2"	B	20	0.197	0.224	0.217	0.229	50	5/8"ø PUDDLE WELD	36/7	#12 TEK	8	5/8"ø PUDDLE WELD	6"
AUDITORIUM ROOF	1 1/2"	B	18	0.227	0.306	0.290	0.318	50	5/8"ø PUDDLE WELD	36/7	#12 TEK	8	5/8"ø PUDDLE WELD	6"



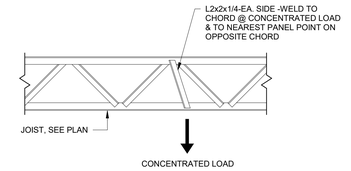
8 S05.01 ROOF AND FLOOR DECK TABLE

1" = 1'-0"

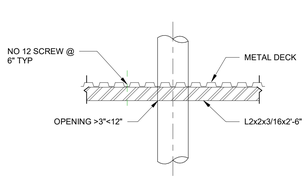




NOTE:
DUCTWORK SHALL NOT BE HUNG FROM THE STEEL ROOF DECK WITHIN 6'-0" OF AN OPENING. ALL HANGING WITHIN THIS AREA SHALL BE FROM JOISTS, BEAMS, OR SUPPLEMENTARY STEEL. PIPING AND MECHANICAL EQUIPMENT OTHER THAN DUCTWORK SHALL NOT BE HUNG FROM THE STEEL ROOF DECK AT ANY LOCATION.



1. BOTTOM CHORD LOAD SHOWN, TOP CHORD LOAD SIM.
2. REINFORCING REQUIRED WHERE CONCENTRATED LOAD ON JOIST CHORD EXCEEDS 100 LBS.



15 S05.01 FRAMED DECK OPENING DETAIL

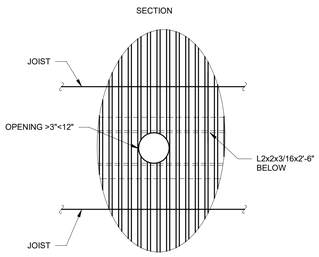
1" = 1'-0"

SPECIFIC HANGER REQUIREMENTS FOR STEEL JOISTS DETAIL

11 S05.01
1" = 1'-0"

3 S05.01 JOIST REINFORCING DETAIL

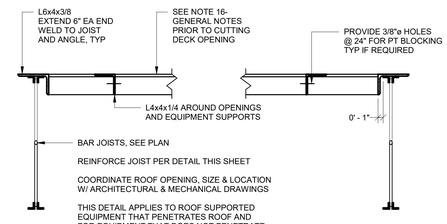
1" = 1'-0"



NOTE: THIS DETAIL APPLIES TO WIDE RIB METAL DECK ALSO.

18 S05.01 FRAMED DECK OPENING (<12") DETAIL

1/2" = 1'-0"



14 S05.01 FRAMED DECK OPENING (>12") DETAIL

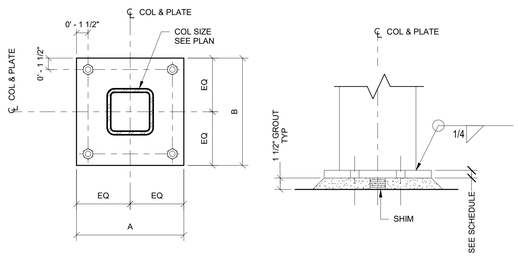
1" = 1'-0"

ANCHOR BOLT SCHEDULE

DIA	EMBED LENGTH IN CONC "E"	"P"	"G"
1/2"ø	10"	AS REQ'D	-
5/8"ø	10"	AS REQ'D	1 1/2"
3/4"ø	1'-3"	AS REQ'D	1 1/2"
1"ø	1'-6"	AS REQ'D	2"
1 1/8"ø	1'-8"	AS REQ'D	2"
1 1/4"ø	2'-0"	AS REQ'D	2"

NOTES:

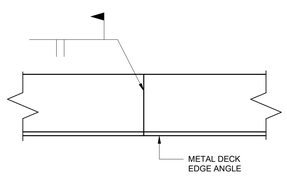
1. ANCHOR BOLTS SHALL HAVE BOLT HEAD, DOUBLE NUTS OR HOOK.
2. BOLT LENGTH=E+P.
3. ALL ANCHOR BOLTS TO BE ASTM F1554, GRADE 36.
4. SHIM BASE PLATES. DO NOT USE LEVELING NUTS.



BASEPLATE SCHEDULE

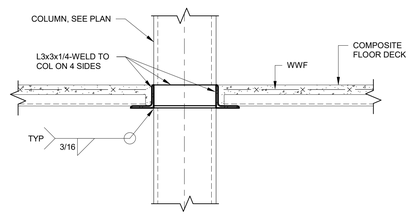
COL SIZE	TYPE	A	B	THICK	AB SIZE	REMARKS
HSS 6x6	I	12"	12"	3/4"	3/4"	
HSS 8x8	I	14"	14"	1"	3/4"	

NOTES:
1. ALL HOLES PER AISC.
2. SEE ANCHOR BOLT SCHEDULE.
3. SEE S5.14 FOR BASEPLATES AT FRAMES.



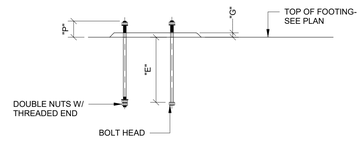
17 S05.01 CONT ANGLE CONNECTION

NTS



13 S05.01 CONT ANGLE CONNECTION

NTS



TYP ANCHOR BOLT DETAIL

9 S05.01 ANCHOR BOLT SCHEDULE

1/2" = 1'-0"

5 S05.01 BASE PLATE DETAILS

1 1/2" = 1'-0"

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HUSSEY GAY BELL
Established 1958

REVISIONS:

DESIGNED	DRAWN	CHECKED
CW	CW	BC

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

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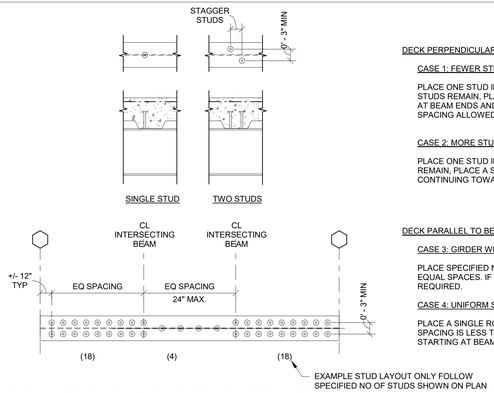
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

STEEL FRAMING DETAILS

DRAWING NUMBER

S05.01



DECK PERPENDICULAR TO BEAMS

CASE 1: FEWER STUDS THAN FLUTES

PLACE ONE STUD IN EVERY OTHER FLUTE FOR ENTIRE LENGTH OF BEAM. IF STUDS REMAIN, PLACE IN FLUTES NOT ALREADY HAVING A STUD, STARTING AT BEAM ENDS AND CONTINUING TOWARD BEAM CENTER. MAXIMUM SPACING ALLOWED IS 24".

CASE 2: MORE STUDS THAN FLUTES

PLACE ONE STUD IN EACH FLUTE FOR ENTIRE LENGTH OF BEAM. IF STUDS REMAIN, PLACE A SECOND STUD IN FLUTES, STARTING AT BEAM ENDS AND CONTINUING TOWARD CENTER.

DECK PARALLEL TO BEAM

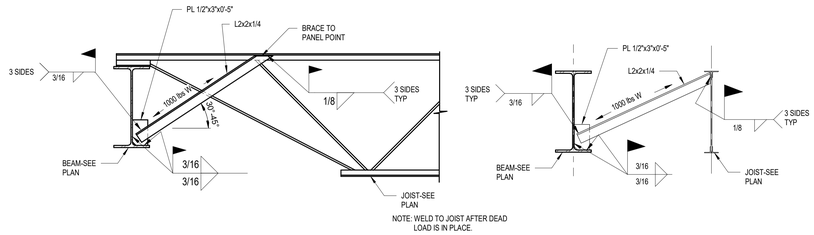
CASE 3: GIRDER WITH SEGMENTED STUD SPACING

PLACE SPECIFIED NUMBER OF STUDS IN EACH SEGMENT OF GIRDER AT EQUAL SPACES. IF SPACING IS LESS THAN 4 1/2", USE DOUBLE ROW AS REQUIRED.

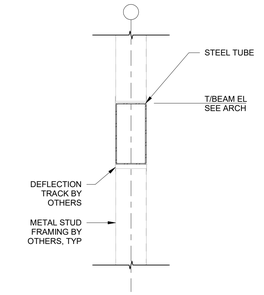
CASE 4: UNIFORM STUD SPACING

PLACE A SINGLE ROW OF STUDS ALONG GIRDER AT EQUAL SPACING. IF SPACING IS LESS THAN 4 1/2", USE DOUBLE ROW AS REQUIRED, STARTING AT BEAM ENDS.

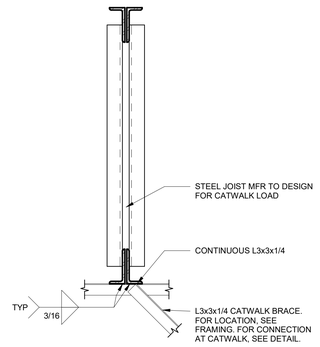
20 S05.02 TYPICAL STUD PLACEMENT AT METAL DECK
3/4" = 1'-0"

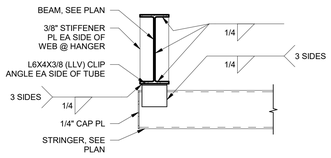


12 S05.02 BEAM BRACE (B) DETAIL
NTS

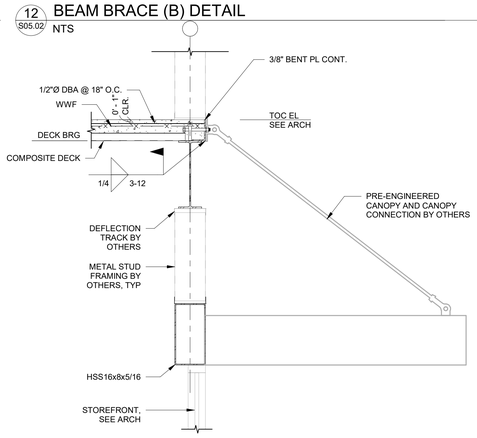


4 S05.02 STEEL TUBE
3/4" = 1'-0"

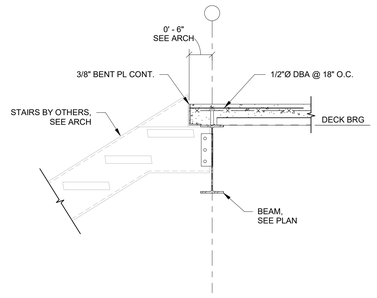




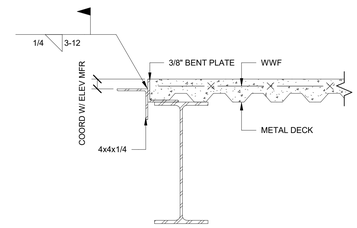
15 S05.02 SECTION AT HANGING STRINGER (ALTERNATE)
3/4" = 1'-0"



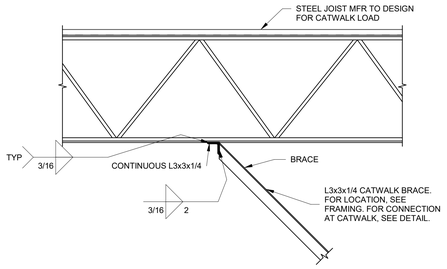
11 S05.02 COMPOSITE SLAB EDGE AT CANOPY
3/4" = 1'-0"



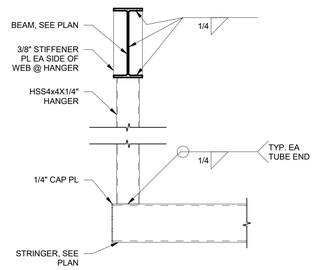
7 S05.02 COMPOSITE SLAB AT STAIR
3/4" = 1'-0"



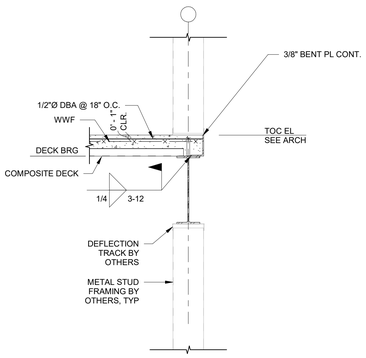
3 S05.02 EDGE OF SLAB AT ELEVATOR DETAIL
1 1/2" = 1'-0"



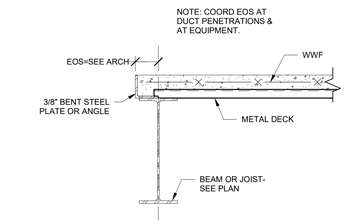
18 S05.02 CATWALK ANGLE BRACE CONNECTION AT STEEL JOIST
3/4" = 1'-0"



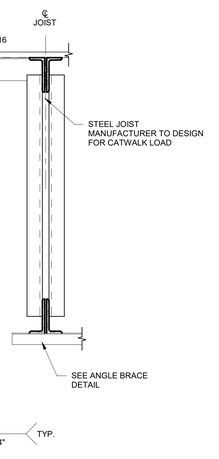
10 S05.02 SECTION AT HANGING STRINGER
3/4" = 1'-0"



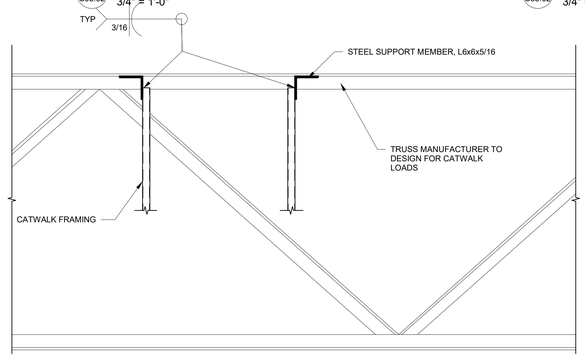
6 S05.02 COMPOSITE SLAB EDGE SECTION
3/4" = 1'-0"



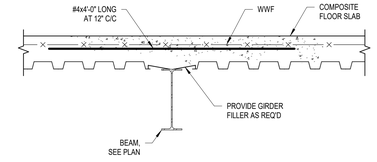
2 S05.02 EDGE OF SLAB DETAIL
1 1/2" = 1'-0"



17 S05.02 CATWALK CONNECTION PARALLEL TO JOISTS
3/4" = 1'-0"



13 S05.02 CATWALK CONNECTION PERPENDICULAR TO JOISTS
3/4" = 1'-0"



1 S05.02 DECK PARELLEL TO GIRDER
NTS

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HUSSEY GAY BELL
Established 1958

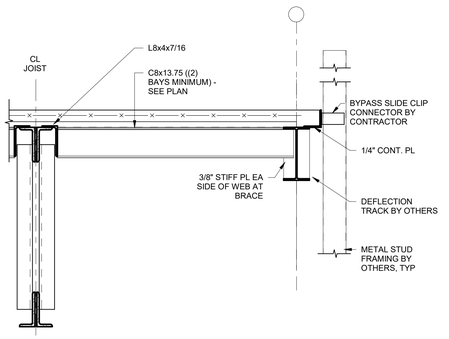
REVISIONS

DESIGNED	DRAWN	CHECKED
CW	CW	BC
DATE: 02/26/2024		
JOB NO. 222300701		
SCALE: AS NOTED		

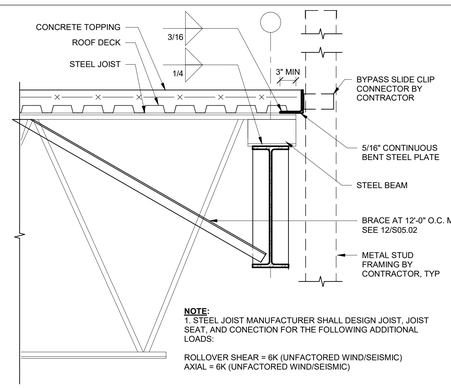
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

STEEL FRAMING DETAILS

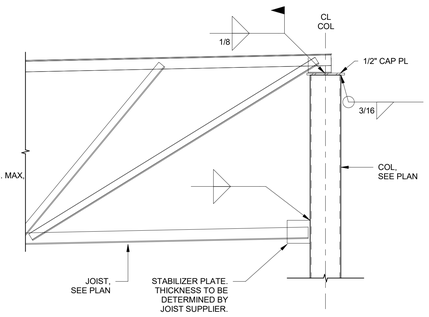
DRAWING NUMBER
S05.02



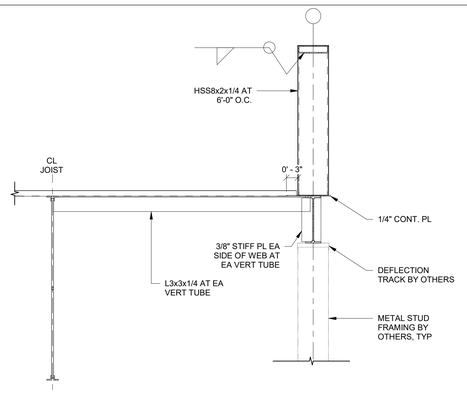
20 S05.03 CONCRETE TOPING AT JOIST PARALLEL
3/4" = 1'-0"



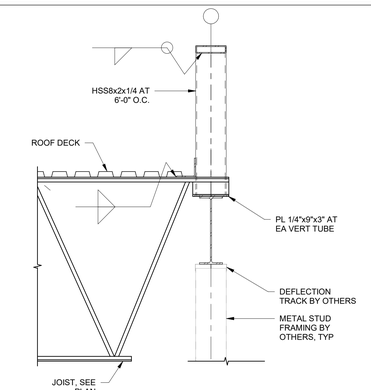
16 S05.03 CONCRETE TOPPING AT STEEL JOIST
1" = 1'-0"



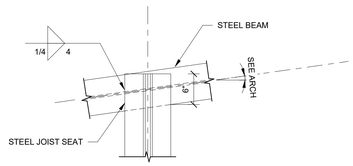
12 S05.03 STEEL JOIST AT STEEL COLUMN
3/4" = 1'-0"



8 S05.03 HIGH ROOF SECTION - JOIST PARALLEL
3/4" = 1'-0"

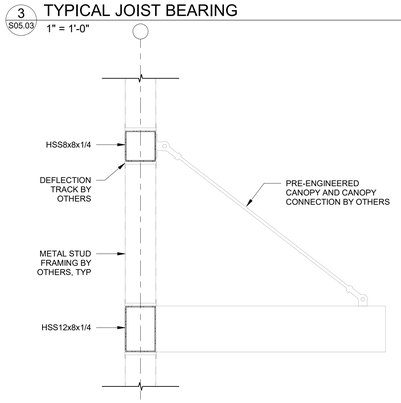


4 S05.03 HIGH ROOF SECTION - JOIST PERPENDICULAR
3/4" = 1'-0"

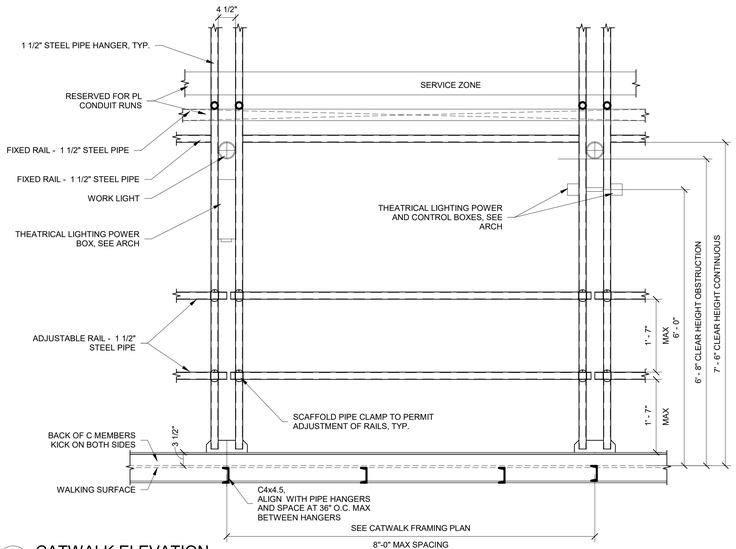


NOTE:
1. CONTRACTOR TO COORDINATE JOIST BEARING LENGTH WITH BEAM WIDTH PROVIDED. CONTACT STRUCTURAL ENGINEER FOR ADDITIONAL RECOMMENDATIONS IF JOIST BEARING LENGTH REQUIREMENTS EXCEEDS BEAM WIDTH.

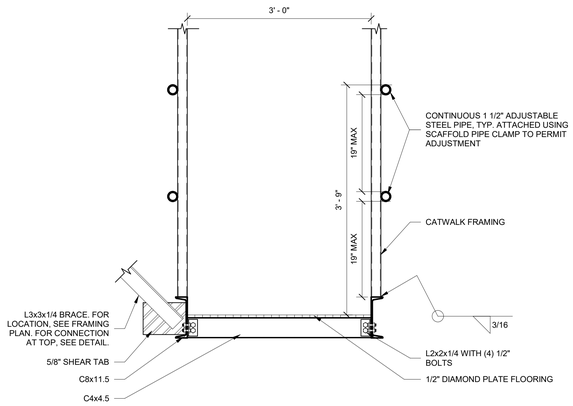
3 S05.03 TYPICAL JOIST BEARING
1" = 1'-0"



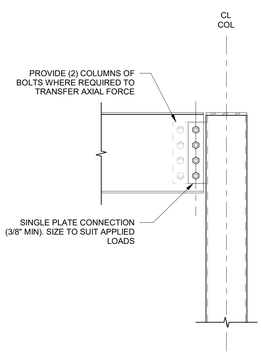
2 S05.03 CANOPY SECTION
3/4" = 1'-0"



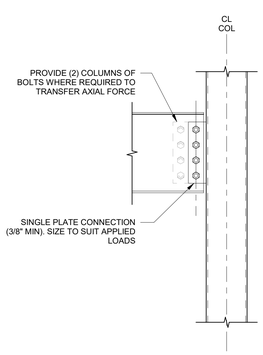
18 S05.03 CATWALK ELEVATION
3/4" = 1'-0"



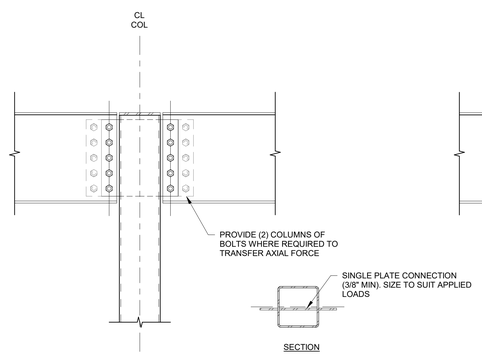
10 S05.03 SECTION THRU CATWALK AT HANGAR RODS
1" = 1'-0"



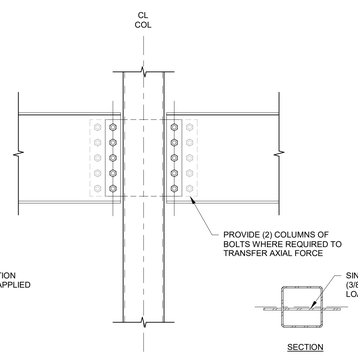
17 S05.03 STEEL BEAM CONNECTIONS AT STEEL COLUMN
1" = 1'-0"



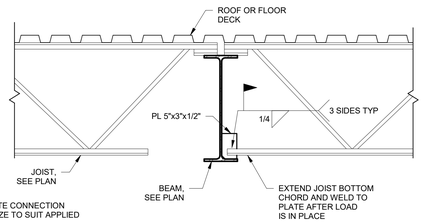
13 S05.03 STEEL BEAM CONNECTIONS AT STEEL COLUMN
1" = 1'-0"



9 S05.03 STEEL BEAM CONNECTIONS AT STEEL COLUMN
1" = 1'-0"



5 S05.03 STEEL BEAM CONNECTIONS AT STEEL COLUMN
1" = 1'-0"



1 S05.03 JOIST BEARING ON BEAM DETAIL
1" = 1'-0"

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STEEL FRAMING DETAILS

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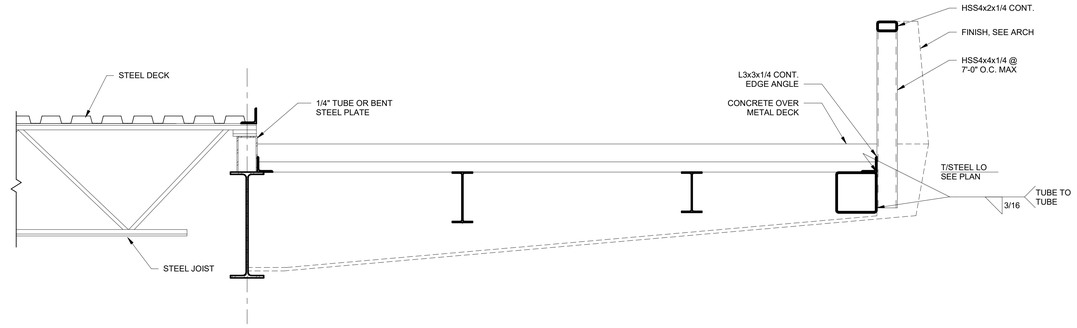
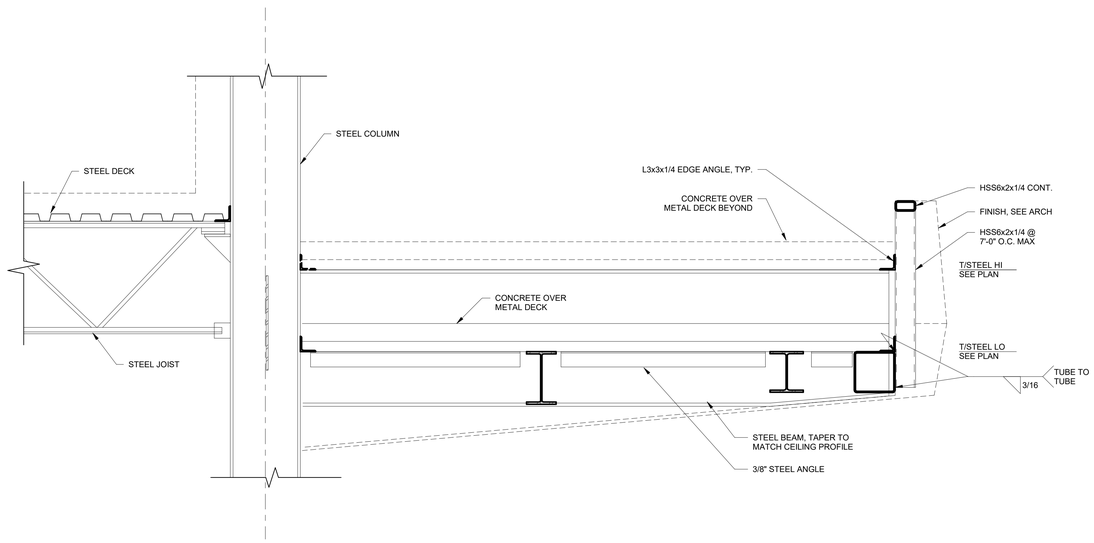
S05.03



11 S05.04 BALCONY FRAMING AT STEEL BEAM
1" = 1'-0"



9 S05.04 BALCONY BEAM AT COLUMN
1" = 1'-0"

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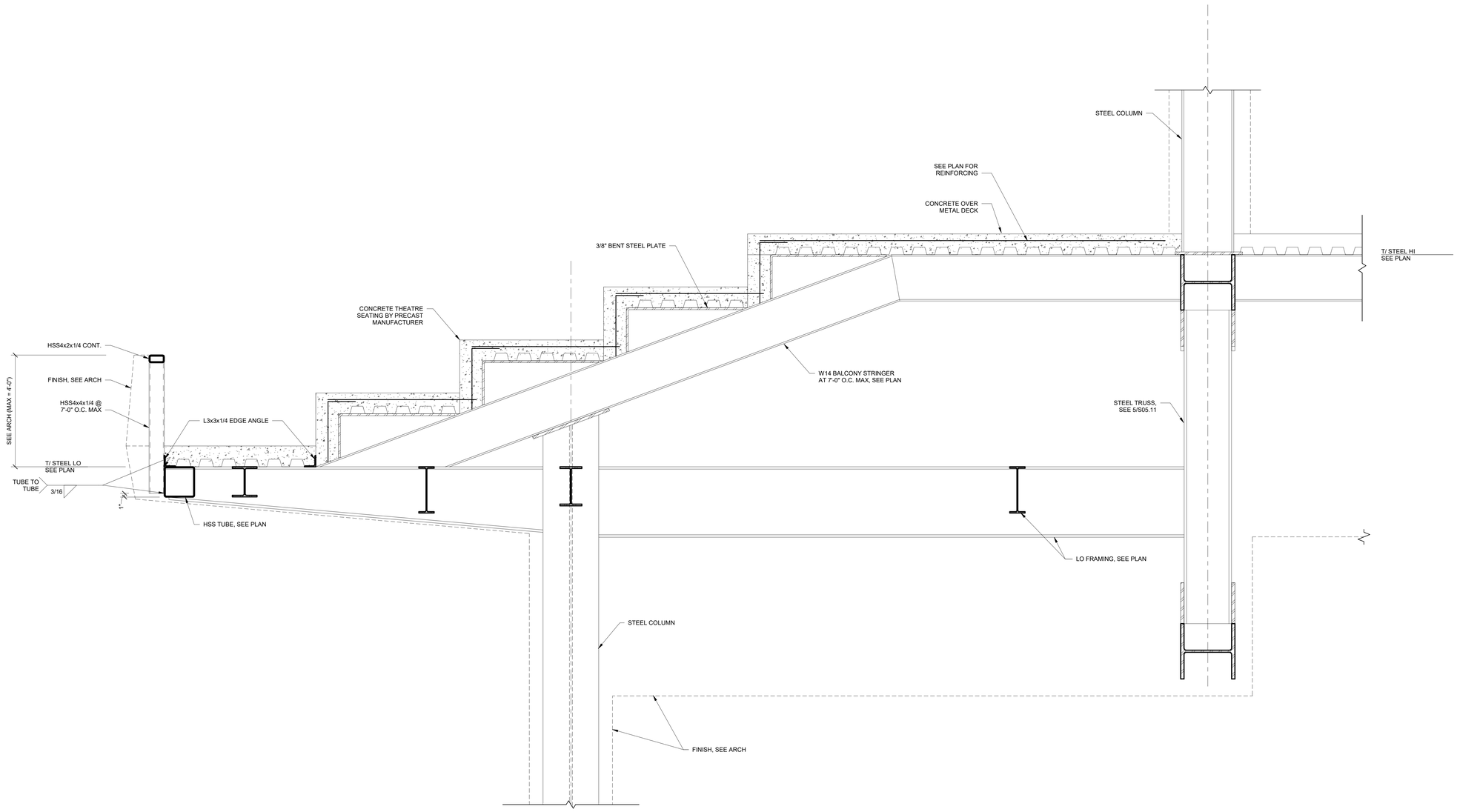
STEEL FRAMING DETAILS

DRAWING NUMBER

S05.04



17 S05.05 BALCONY BEAM AT COLUMN
1" = 1'-0"

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STEEL FRAMING DETAILS

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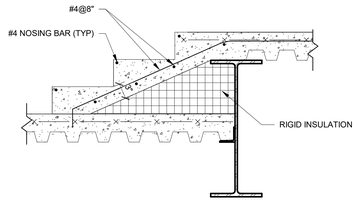
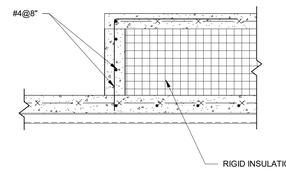
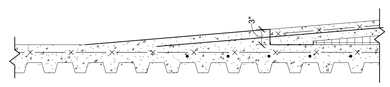


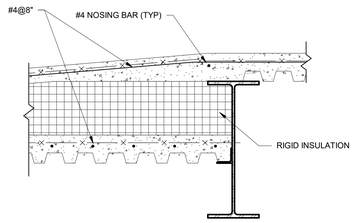
6 S05.06 CONCRETE STEPS AT STEEL BEAM
1" = 1'-0"



2 S05.06 KNEEWALL AT CONCRETE OVER METAL DECK
1" = 1'-0"



5 S05.06 RAMP END AT CONCRETE OVER METAL DECK
1" = 1'-0"



1 S05.06 RAMP AT CONCRETE OVER METAL DECK
1" = 1'-0"

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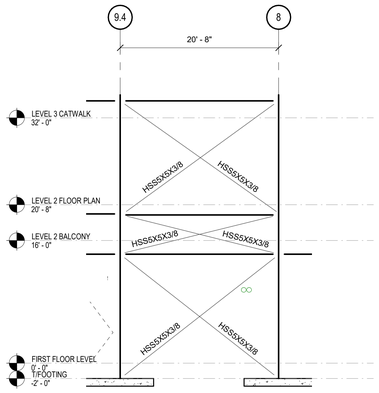
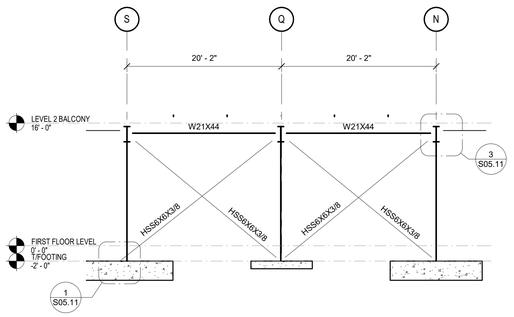
STEEL FRAMING DETAILS

DRAWING NUMBER

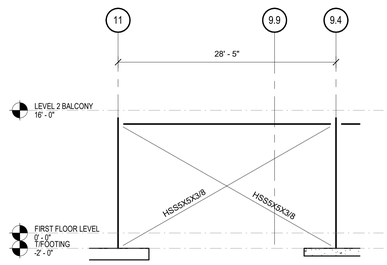
S05.06



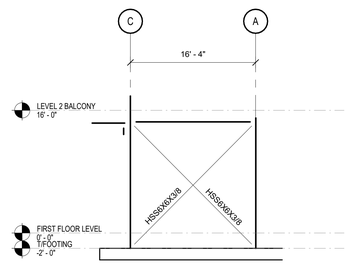
13 S05.10 ELEVATION CL D
1/8" = 1'-0"



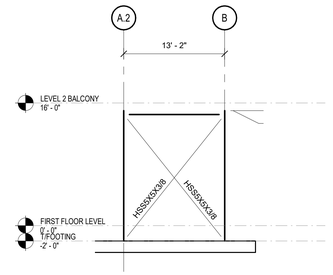
4 S05.10 ELEVATION CL 10.6
1/8" = 1'-0"



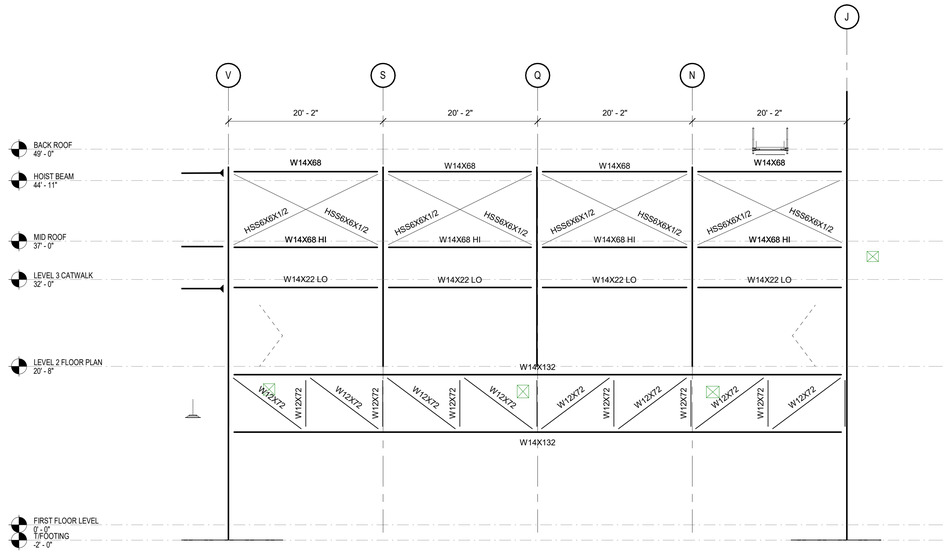
11 S05.10 ELEVATION CL A
1/8" = 1'-0"



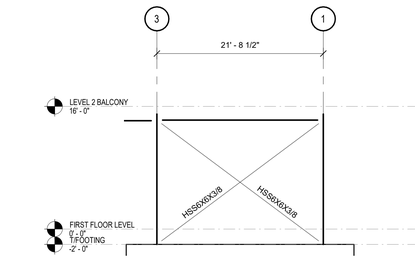
12 S05.10 ELEVATION CL 11.2
1/8" = 1'-0"



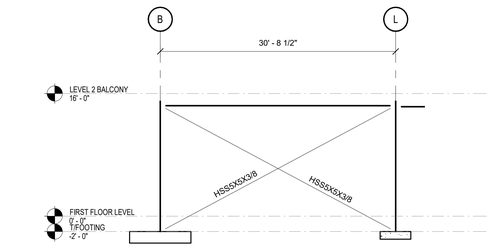
10 S05.10 ELEVATION CL 4.4
1/8" = 1'-0"



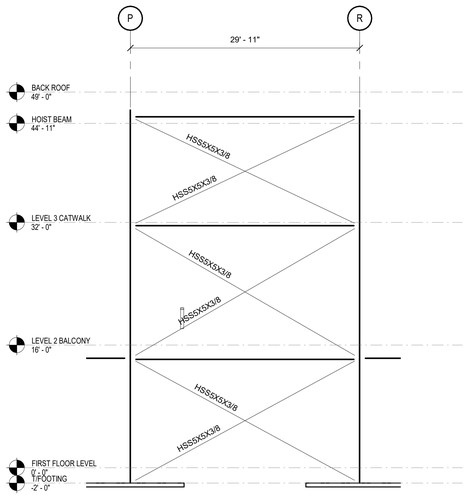
5 S05.10 ELEVATION CL 12
1/8" = 1'-0"



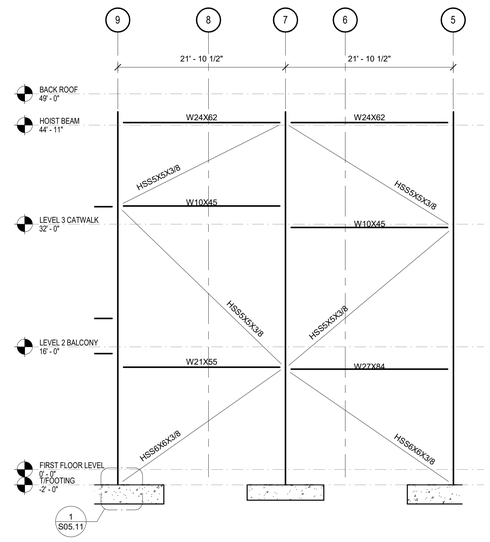
9 S05.10 ELEVATION CL B
1/8" = 1'-0"



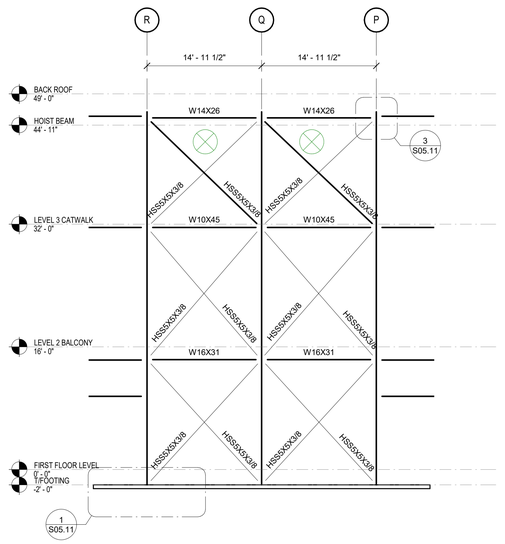
8 S05.10 ELEVATION CL 1
1/8" = 1'-0"



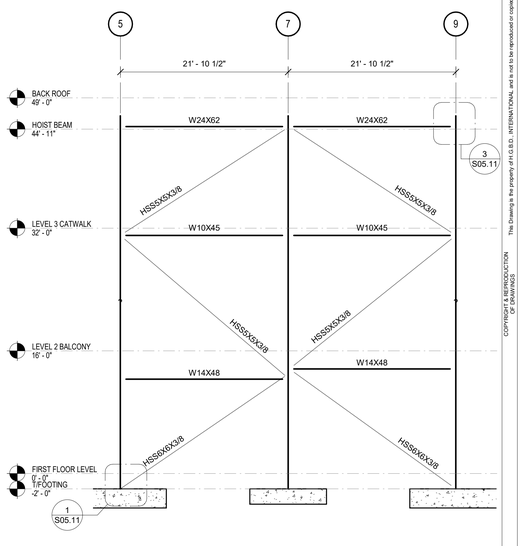
6 S05.10 ELEVATION CL 1
1/8" = 1'-0"



3 S05.10 ELEVATION CL F
1/8" = 1'-0"



2 S05.10 ELEVATION CL 3
1/8" = 1'-0"



1 S05.10 ELEVATION CL X
1/8" = 1'-0"

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FRAMES AND ELEVATIONS

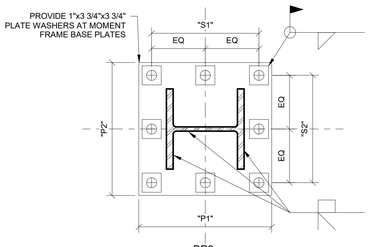
DRAWING NUMBER

S05.10

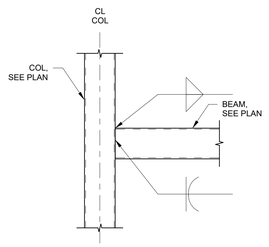
BASE PLATE AND ANCHOR BOLT SCHEDULE										
MARK	BASE PLATE					ANCHOR BOLTS			WELD	REMARKS
	t	P1	P2	S1	S2	DIA	D	NO	W	
BP1	1 1/2"	24"	42"	20"	38"	1"	18"	6	5/16"	
BP2	2"	26"	42"	20"	38"	1"	18"	8	5/16"	
BP3	2"	26"	26"	21"	21"	1 1/2"	24"	8	CJP	

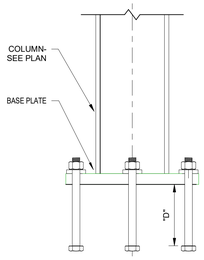
NOTE:
1. BASE PLATES AT STEEL FRAMES SHALL BE A572 Gr50.
2. ANCHOR BOLTS AT STEEL FRAMES SHALL BE F1554 Gr105.
3. DRYPACK/FLOWABLE GROUT THICKNESS = 2" FOR 3/4" DIA, 7/8" DIA AND 1" DIA ANCHOR RODS AND 3" FOR 1 1/4" AND 1 1/2" DIA.
4. CONTRACTOR SHALL COORDINATE ANCHOR ROD EXTENSIONS AND THREADED LENGTHS.

NOTE:
BRACING DETAILS SHOWN ARE GENERAL DETAILS. CONTRACTOR SHALL DESIGN CONNECTIONS BASED ON LOADS INDICATED. GUSSET PLATE AND WELDS TO BE SIZED BY THE CONTRACTOR. SEE PLAN SHEETS AND ELEVATION SHEETS FOR TOP OF STEEL ELEVATION AND DIMENSIONS. SEISMIC (S) AND WIND (W) FORCES ARE MAXIMUM (ASD).

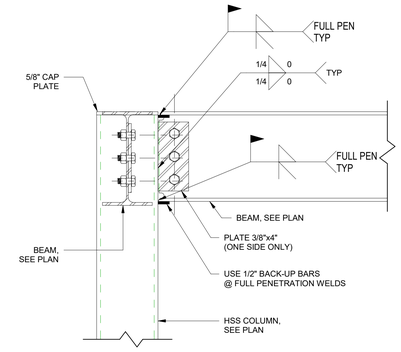


BP3





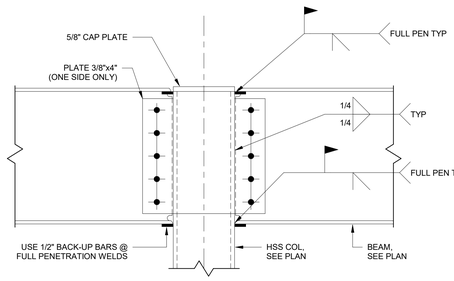
12 S05.11 STEEL FRAME BASE PLATE ANCHOR BOLT SCHEDULE
NTS



19 S05.11 TYPICAL TUBE TO TUBE CONNECTION
3/4" = 1'-0"

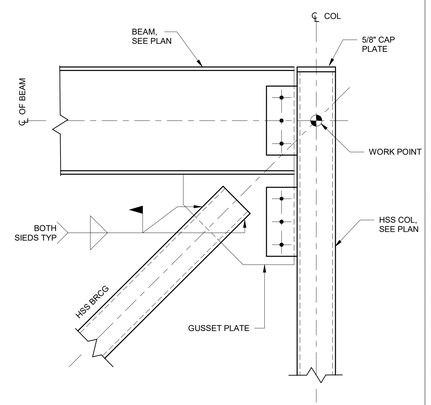
15 S05.11 BASE PLATE AT STEEL FRAME
NTS

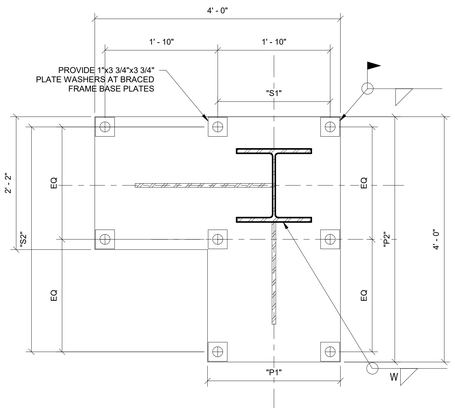
11 S05.11 BEAM TO COLUMN CONNECTION DETAIL (MC)
1 1/2" = 1'-0"



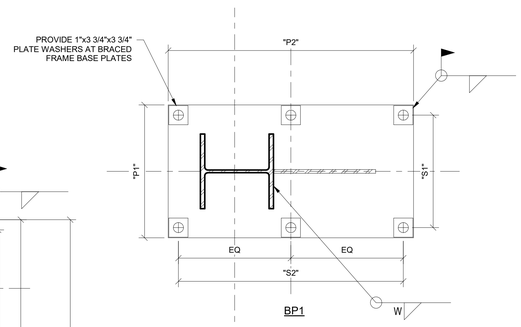
7 S05.11 BEAM TO COLUMN CONNECTION DETAIL (MC)
1 1/2" = 1'-0"

3 S05.11 CONNECTION DETAIL
1 1/2" = 1'-0"

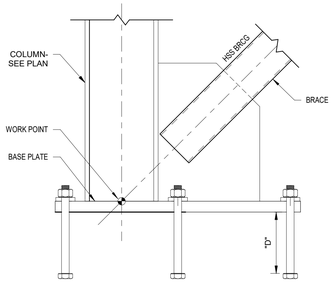




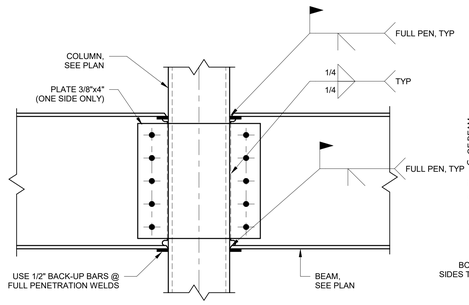
BP2



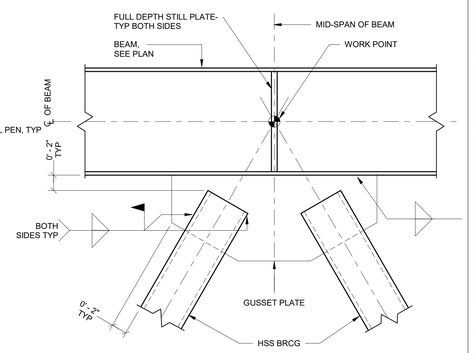
BP1



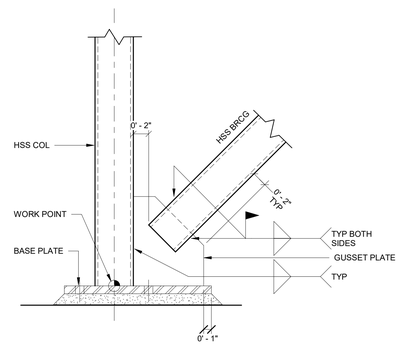
13 S05.11 BASE PLATE AT DIAGONAL BRACE
1" = 1'-0"



6 S05.11 BEAM TO COLUMN CONNECTION DETAIL (MC)
1 1/2" = 1'-0"



2 S05.11 CONNECTION DETAIL
1 1/2" = 1'-0"



1 S05.11 CONNECTION DETAIL
1 1/2" = 1'-0"

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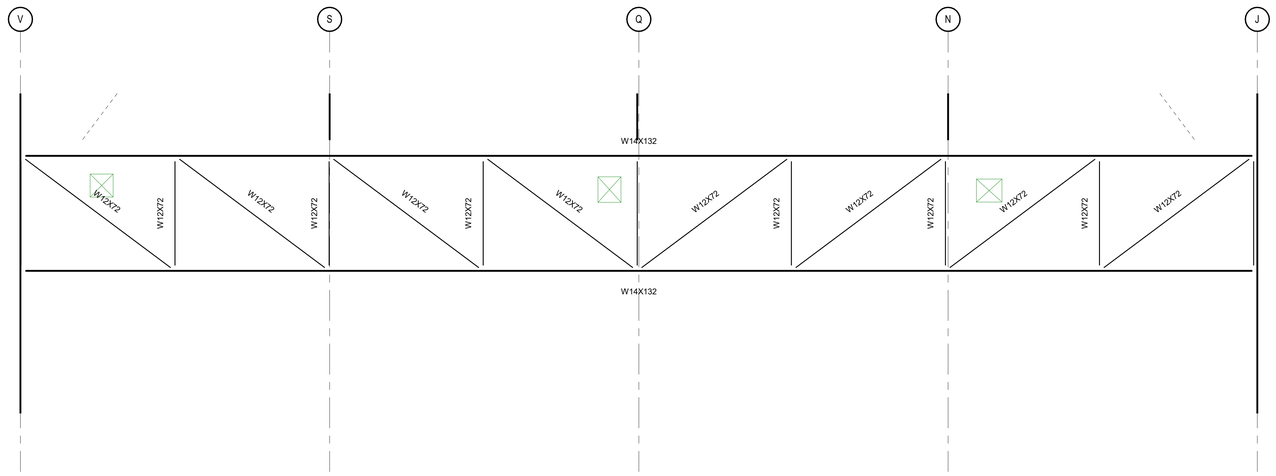
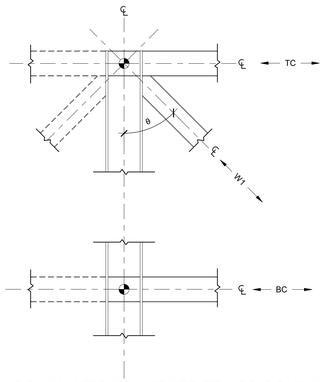
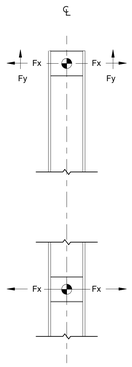


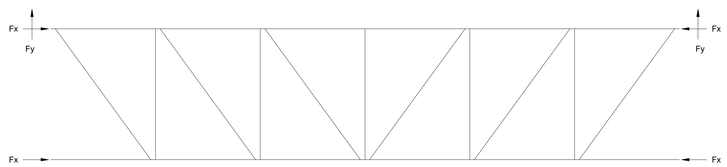
1 S05.12 TRANSFER TRUSS
1/4" = 1'-0"

MEMBER MARK	SECTION	REMARKS
TCA	-	P = +/-
BCA	-	P = +/-
W1A	-	P = +/-
W2A	-	P = +/-
V1A	-	P = +/-
V2A	-	P = +/-
TCB	-	P = +/-
BCB	-	P = +/-
W1B	-	P = +/-
W2B	-	P = +/-
V1B	-	P = +/-
V2B	-	P = +/-



4 S05.12 SCHEMATIC TRANSFER TRUSS CONNECTION AT COLUMN
1/2" = 1'-0"





NOTES:

1. FOR MEMBER SIZES AND GEOMETRY, SEE DESIGN DRAWINGS.
2. TRUSS CONNECTIONS SHALL BE SIZED TO DEVELOP THE LOAD SPECIFIED ON THE DESIGN DRAWINGS.
3. TRUSS GUSSET PLATE CROSS SECTIONAL AREA, GUSSET WELD, AND NUMBER OF BOLTS SHALL DEVELOP THE DESIGN AXIAL LOAD, PLUS ANY ECCENTRIC LOADING.

TRUSS GIRDER TYPE	END FORCES (F) (NOTE 1)			REMARKS
	TC		BC	
	Fx	Fy	Fx	
CBT1 - A	P=	P=	P=	-
CBT1 - B	P=	P=	P=	-
CBT2 - A	P=	P=	P=	-
CBT2 - B	P=	P=	P=	-
CBT3 - A	P=	P=	P=	-
CBT3 - B	P=	P=	P=	-

NOTE:

1. SEE 4/S05.12 FOR SIGN CONVENTION.

2 S05.12 TRANSFER TRUSS FORCES AT SUPPORTS
1" = 1'-0"

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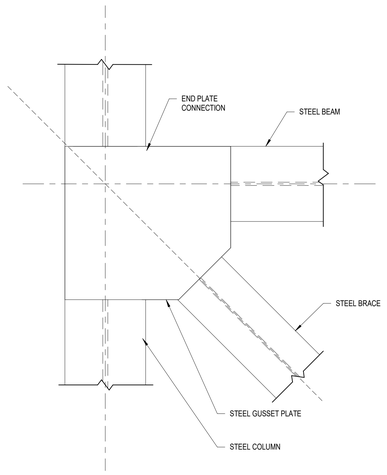
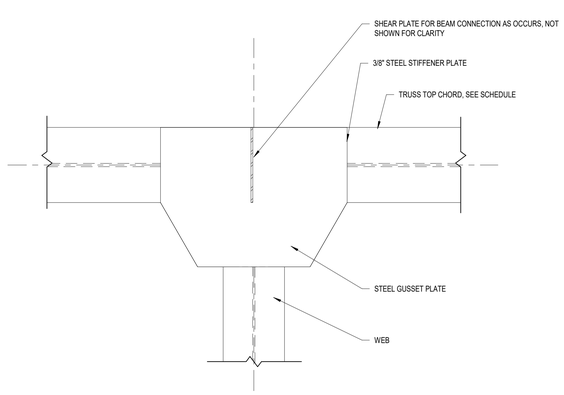
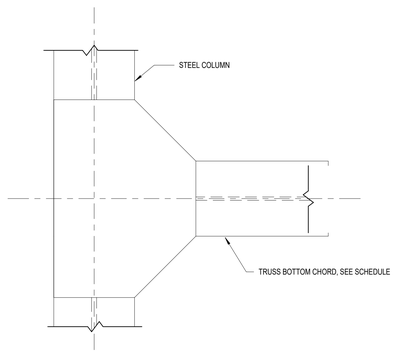


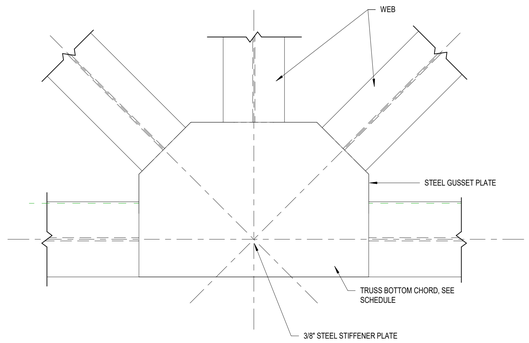
10 S05.13 TRANSFER TRUSS
1" = 1'-0"



6 S05.13 TRANSFER TRUSS TOP CHORD CONNECTION
1" = 1'-0"



9 S05.13 TRANSFER TRUSS BOTTOM CHORD CONNECTION AT COLUMN
1" = 1'-0"



5 S05.13 TRANSFER TRUSS BOTTOM CHORD CONNECTION
1" = 1'-0"

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HUSSEY GAY BELL
Established 1958

REVISIONS:

DESIGNED	DRAWN	CHECKED
CW	CW	BC

DATE: 02/26/2024

JOB NO. 222300701

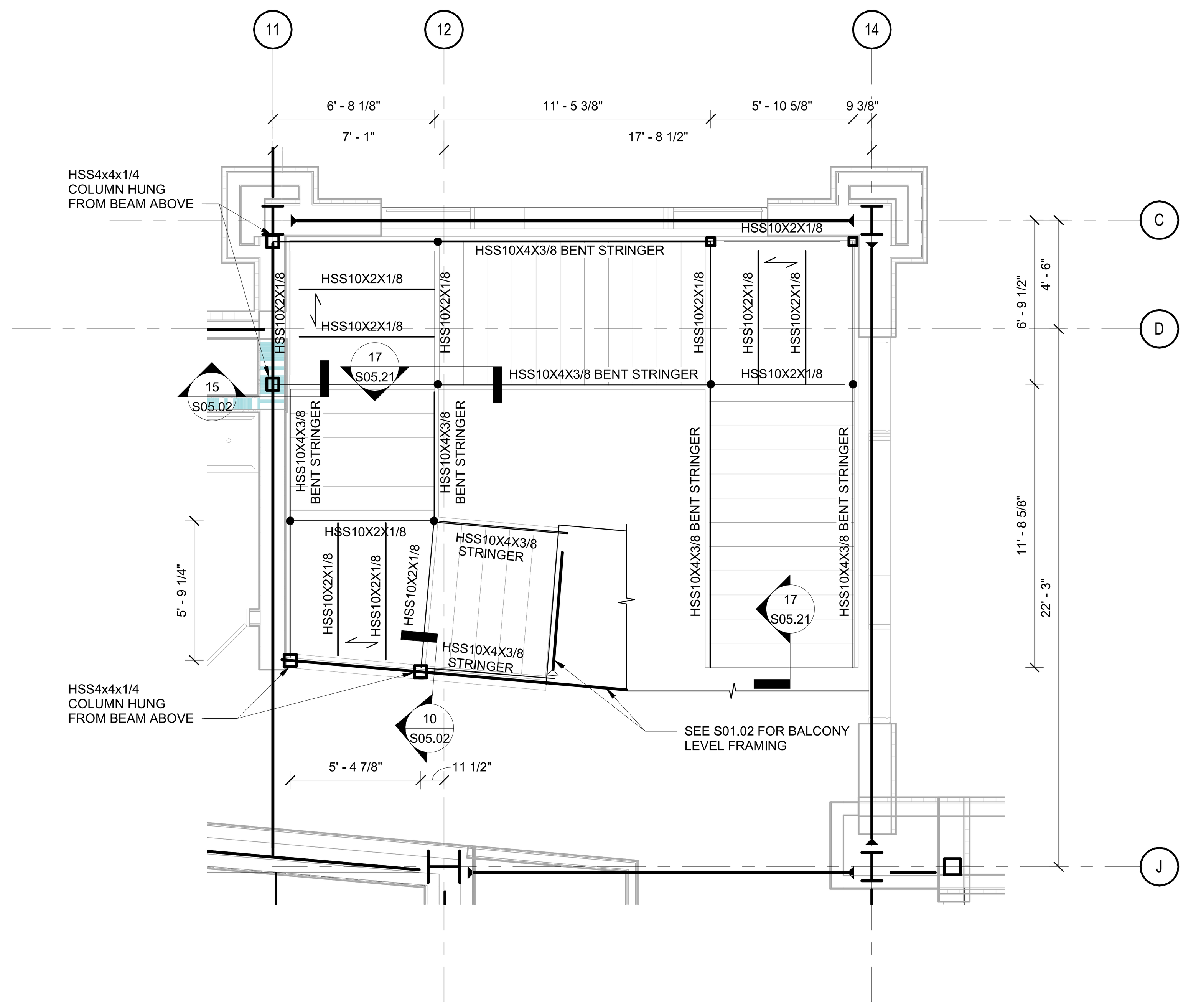
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

FRAMES AND ELEVATION

DRAWING NUMBER

S05.13



1 S05.20 MONUMENTAL STAIR FRAMING PLAN

1/4" = 1'-0"

MONUMENTAL STAIR FRAMING PLAN NOTES:

1. SEE ARCH DRAWINGS FOR ADDITIONAL STAIR REQUIREMENTS, LANDING ELEVATIONS, AND INFORMATION NOT SHOWN.
2. ⟷ INDICATES DIRECTIONAL SPAN OF 0.6C 26 GA FORM DECK W/ 1 1/2" NW CONCRETE (TOTAL DEPTH = 1 3/4").
3. ● INDICATES APPROXIMATE LOCATION OF BEND IN STRINGER PER DETAIL 2 ON 17/S05.20.

HUSSEY GAY BELL
Established 1958

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

02/22/24

COLLEGE OF COASTAL GEORGIA
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BRUNSWICK, GA 31520

STAIR FRAMING PLAN

DRAWING NUMBER

S05.20

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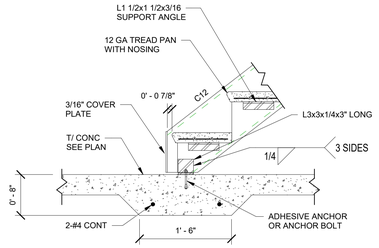
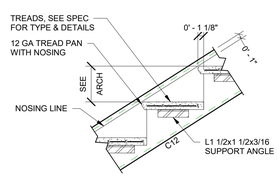
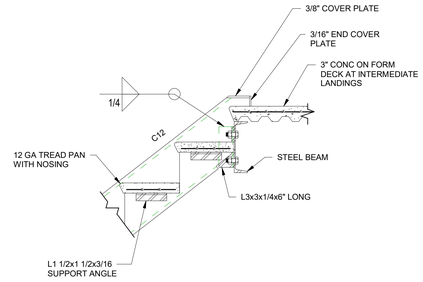


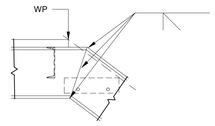




STAIR DETAILS SHOWN ARE FOR GENERAL INFORMATION PURPOSES ONLY. SEE ARCH FOR EXACT CONFIGURATION AND DIMENSIONS.

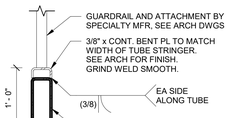
12 S05.21 STAIR DETAILS

1" = 1'-0"

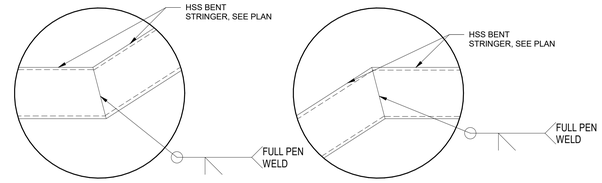


11 S05.21 TYP STAIR MC DETAIL

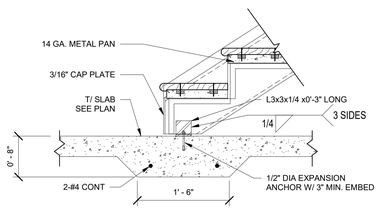
1" = 1'-0"

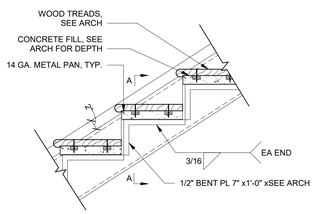


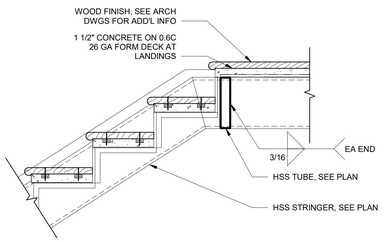
DETAIL A-A



DETAIL 1 DETAIL 2







STAIR DETAILS SHOWN ARE FOR GENERAL INFORMATION PURPOSES ONLY. SEE ARCH FOR EXACT CONFIGURATION AND DIMENSIONS.

17 S05.21 DETAILS AT MONUMENTAL STAIR

1" = 1'-0"

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Established 1958

REVISIONS:

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CW	CW	BC

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

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BRUNSWICK, GA 31520

STEEL STAIR FRAMING DETAILS

DRAWING NUMBER

S05.21

LEGEND

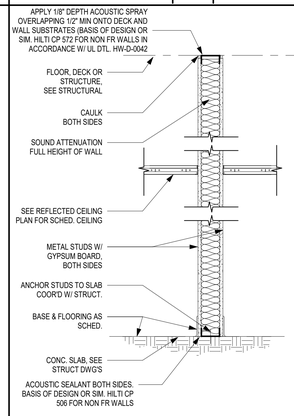
A = INDICATES REFERENCED WALL TYPE
C = CONCRETE MASONRY UNIT OR CEILING
M = METAL STUD FRAMING
W = WOOD STUD FRAMING
T = TOILET PARTITION
I = INSULATION ABOVE CEILING

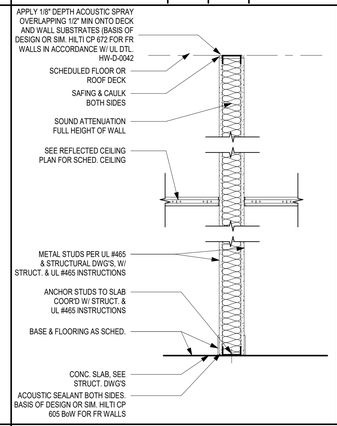
4 = 4" CMU OR 3 5/8" METAL STUDS OR 2X4 WOOD STUDS
6 = 6" CMU OR 6" METAL STUD OR 2X6 WOOD STUDS
8 = 8" CMU OR 8" METAL STUD OR 2X8 WOOD STUDS

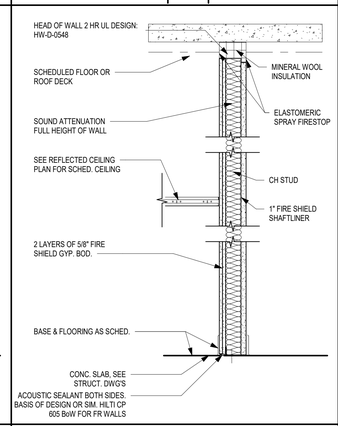
WALL TYPE MARKER

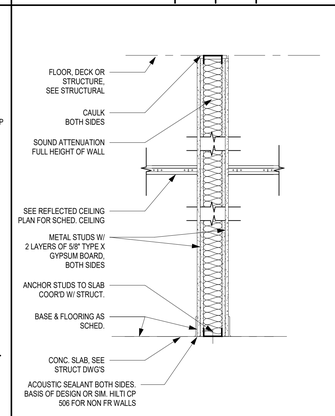
AM4 AM6 | BM4 BM6 BM8 | CM4 CM6 | DM4 DM4s DM6 | EM4 EM6 EM8 | FM1 FM2

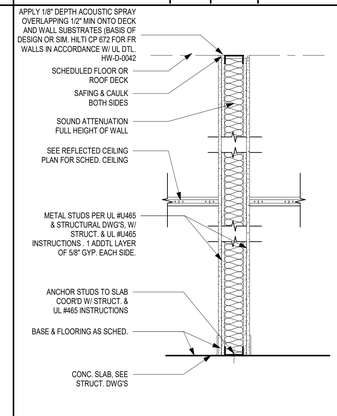
WALL SECTION

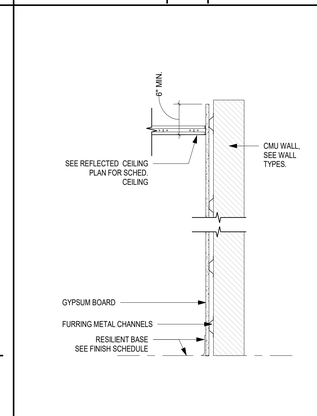




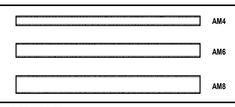


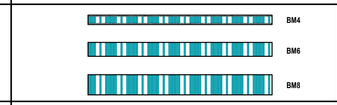


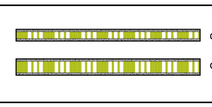


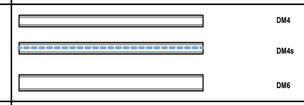


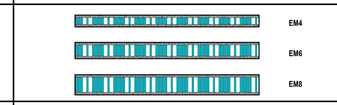
PLAN

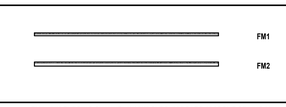












DESCRIPTION

METAL STUD W/ GYPSUM BOARD ON BOTH SIDES, FULL HEIGHT OF WALL SEALED AT FLOOR AND DECK. (SEE PLAN FOR STUD SIZES) MIN. STC 45

NON LOAD BEARING - NOT RATED

METAL STUD W/ FIRE RATED GYPSUM BOARD ON BOTH SIDES, FULL HEIGHT OF WALL. SEALED @ FLOOR AND DECK. (SEE PLAN FOR STUD SIZE) UL #465 - NON LOAD BEARING 1 HOUR WALL. MIN. STC 45

2 HOUR SHAFTWALL TO STEEL DECK 2 LAYERS OF FIRE RATED GYP. BOARD AND 1" FIRE RATED SHAFTLINER ON THE OTHER SIDE. MIN. STC 50

METAL STUD W/ (2) LAYERS TYPE X GYPSUM BOARD ON BOTH SIDES, FULL HEIGHT OF WALL SEALED AT FLOOR AND DECK. (SEE PLAN FOR STUD SIZES)

NON LOAD BEARING - NOT RATED

DM4s - SMOKE RATED PARTITION

MIN. STC 50

METAL STUD W/ FIRE RATED GYPSUM BOARD ON BOTH SIDES, FULL HEIGHT OF WALL. SEALED @ FLOOR AND DECK. (SEE PLAN FOR STUD SIZE) UL #U465 - NON LOAD BEARING 1 HOUR WALL. MIN. STC 50

FM1 - 7/8" FURRING CHANNEL W/ 5/8" GYPSUM BOARD 6" ABOVE CEILING MIN.

NOT RATED - NON LOAD BEARING

FM2 - 1 1/2" FURRING CHANNEL W/ 5/8" GYPSUM BOARD 6" ABOVE CEILING MIN.

NOT RATED - NON LOAD BEARING

UL DESIGN

UL #U465 - NON LOAD BEARING
1 HOUR WALL.

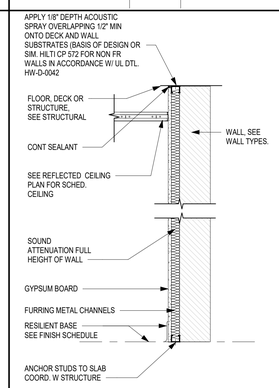
UL #U497 - NON LOAD BEARING
2 HOUR SHAFTWALL.

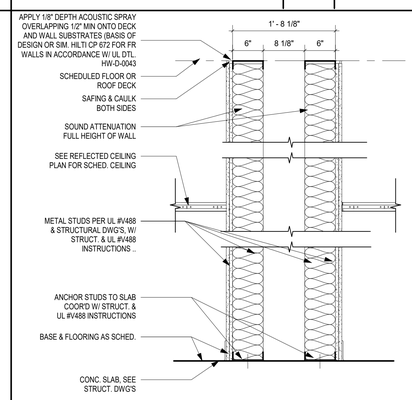
UL #U465 - NON LOAD BEARING
1 HOUR WALL.

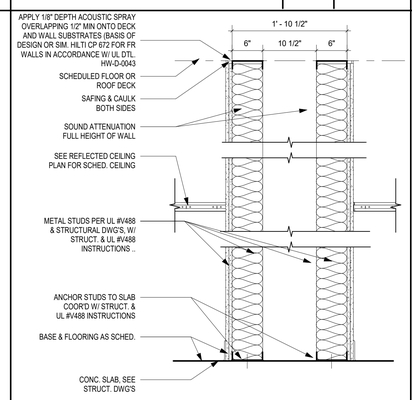
WALL TYPE MARKER

GM4 GM6 | HM20 HM20s | JM22 JM20s

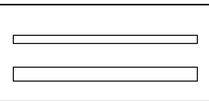
WALL SECTION







PLAN



DESCRIPTION

GM4 - 3 5/8" METAL STUD W/ 5/8" GYPSUM BOARD FULL HEIGHT OF WALL SEALED AT FLOOR AND DECK.

GM6 - 6" METAL STUD W/ 5/8" GYPSUM BOARD FULL HEIGHT OF WALL SEALED AT FLOOR AND DECK

NOT RATED - NON LOAD BEARING

(2) 6" METAL STUDS W/ (2) LAYERS OF TYPE X GYPSUM BOARD ON BOTH SIDES, FULL HEIGHT OF WALL 8 1/8" AIR SPACE SEALED AT FLOOR AND DECK.

HM20s - SMOKE RATED PARTITION

NON RATED - NON LOAD BEARING

(2) 6" METAL STUDS W/ (2) LAYERS OF TYPE X GYPSUM BOARD ON BOTH SIDES, FULL HEIGHT OF WALL 10 1/2" AIR SPACE SEALED AT FLOOR AND DECK.

JM22s - SMOKE RATED PARTITION

NON RATED - NON LOAD BEARING

UL DESIGN

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HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

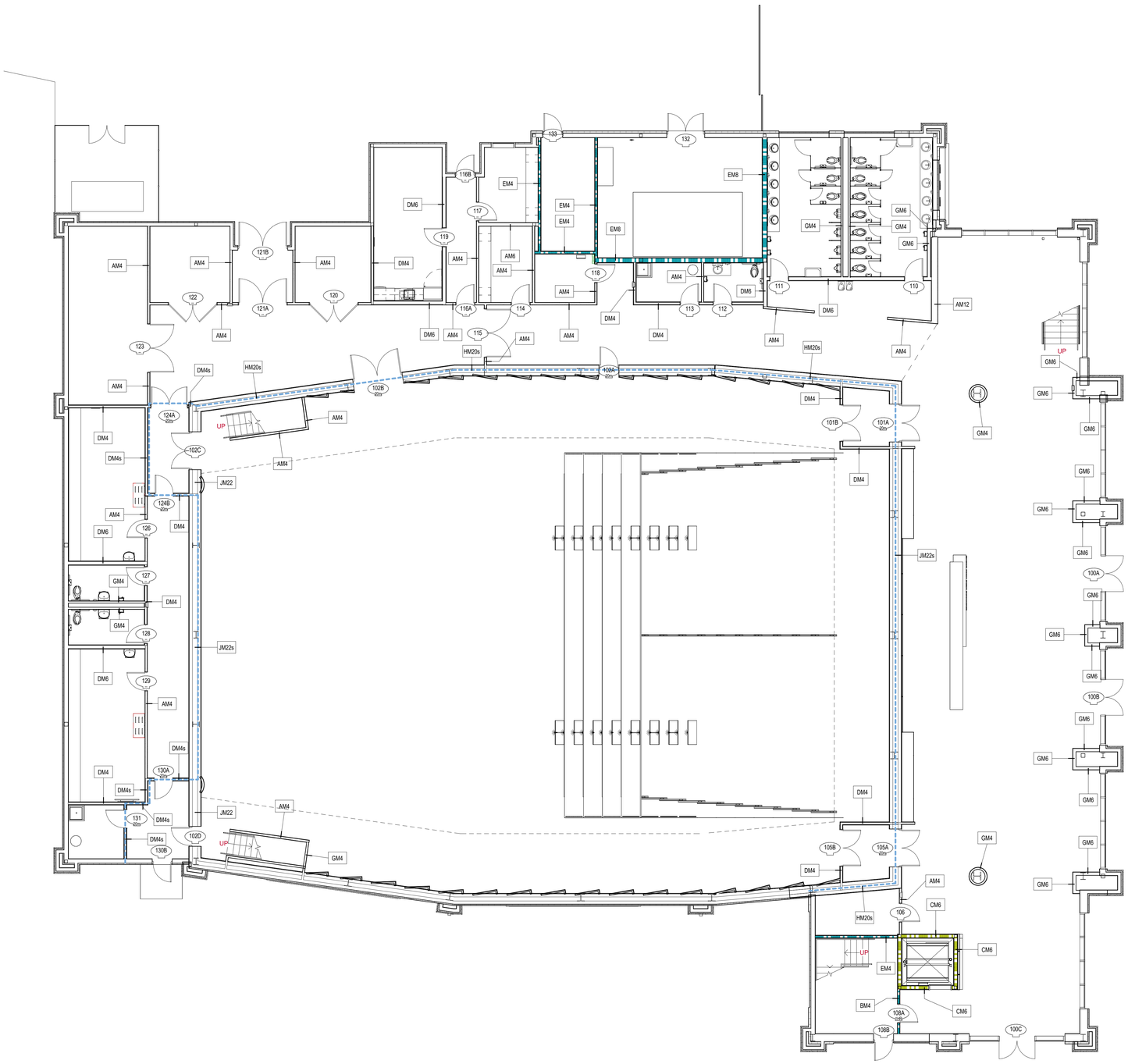
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

WALL TYPES

DRAWING NUMBER

A00.20



1 LEVEL 1 WALL TYPE PLAN
1/8" = 1'-0"

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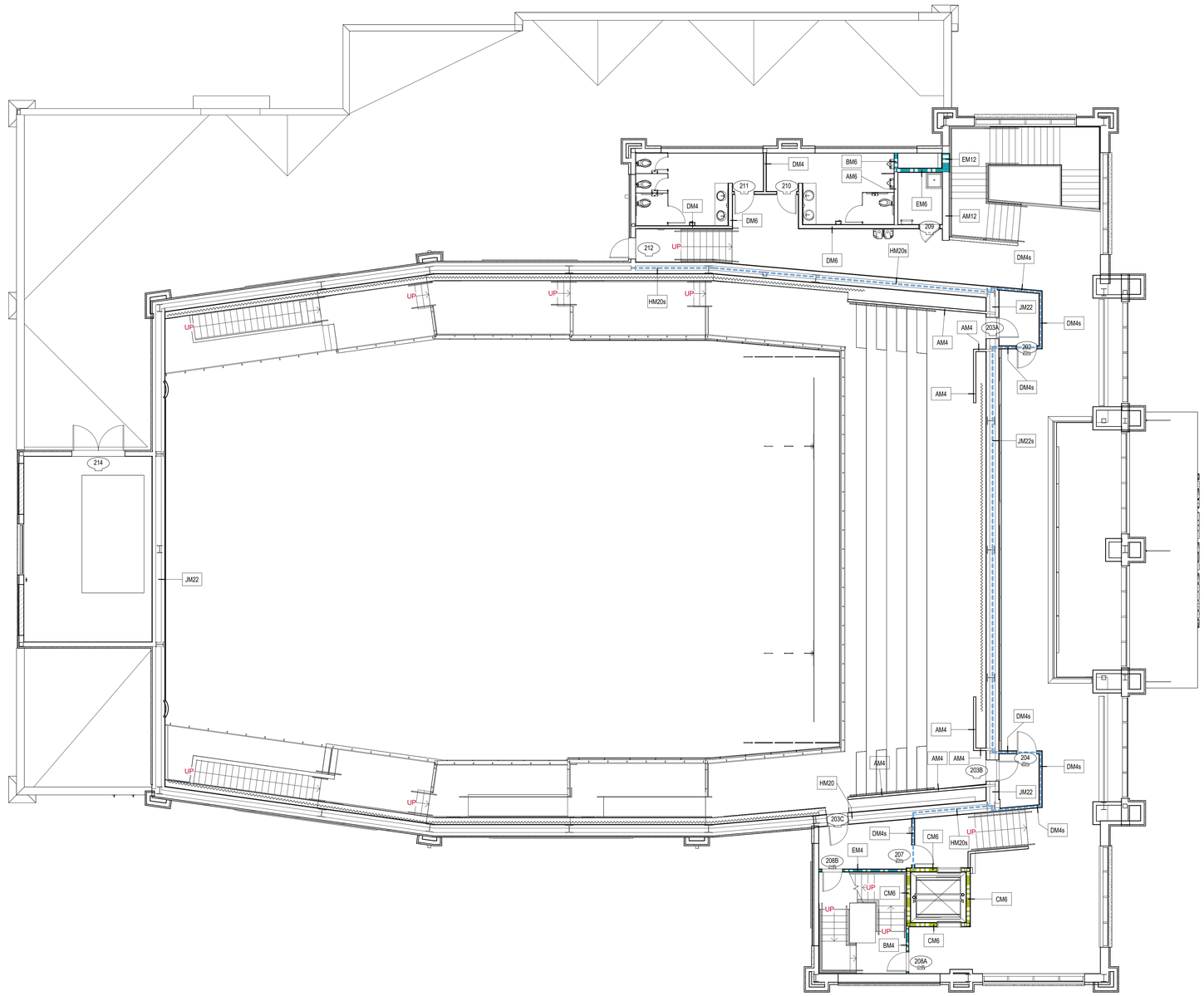
BRUNSWICK, GA 31520

LEVEL 1 - WALL TYPE PLAN

DRAWING NUMBER

A00.21



1 LEVEL 2 WALL TYPE PLAN
1/8" = 1'-0"

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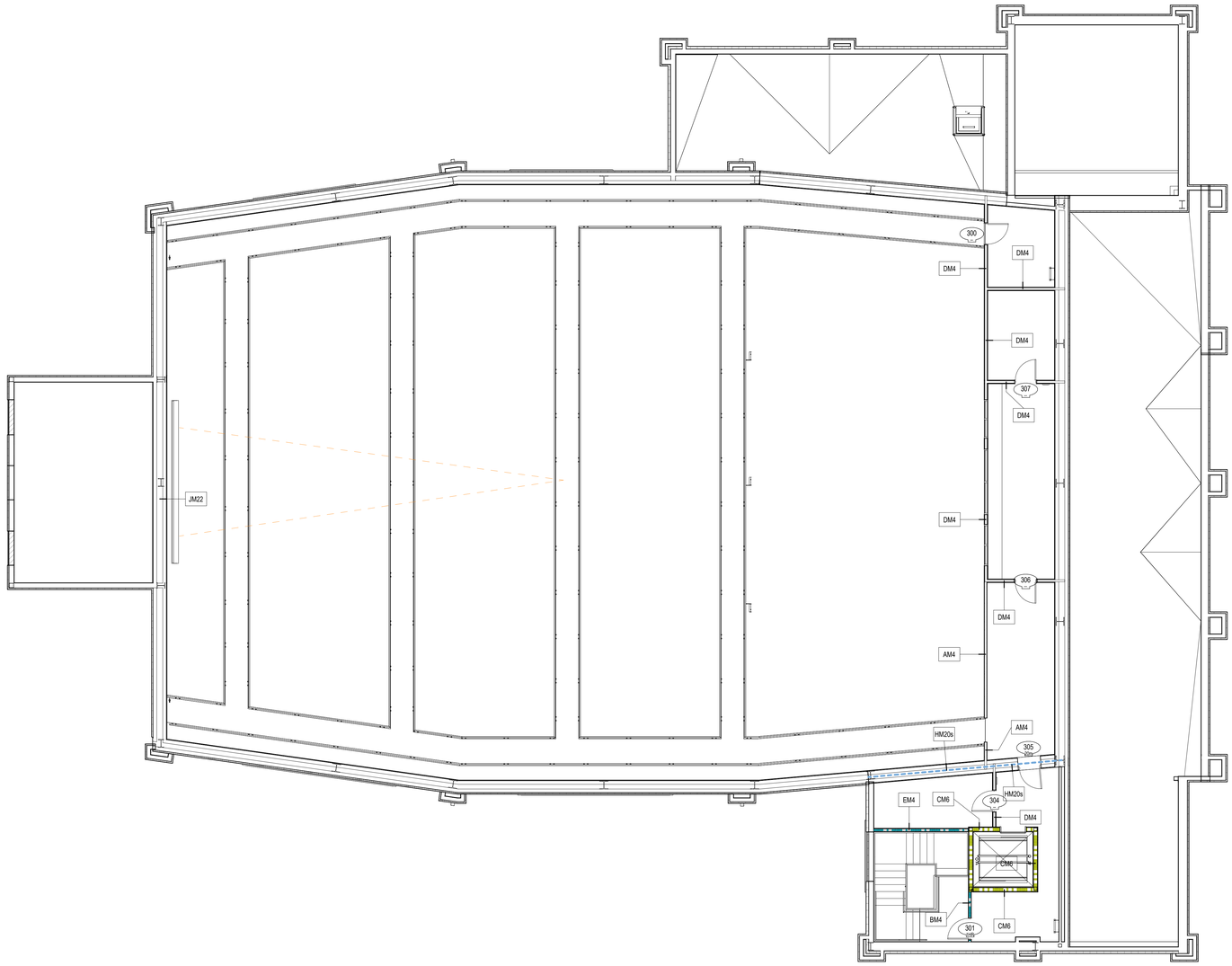
LEVEL 2 - WALL TYPE PLAN

DRAWING NUMBER

A00.22



1 LEVEL 3 CATWALK WALL TYPE PLAN
1/8" = 1'-0"

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SCALE: AS NOTED

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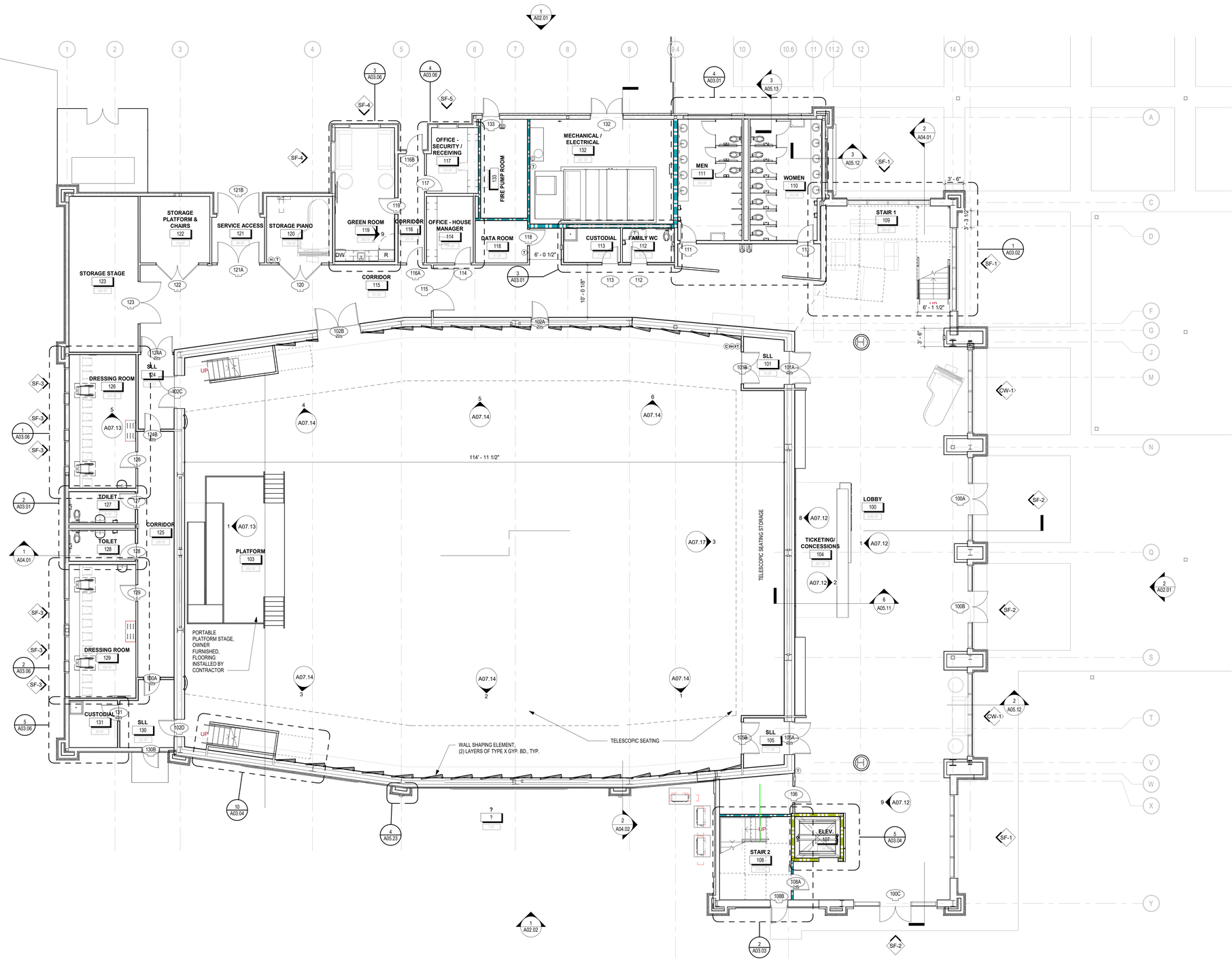
CATWALK LEVEL - WALL TYPE PLAN

DRAWING NUMBER

A00.23



1 LEVEL 1 FLOOR PLAN
1/8" = 1'-0"

JOB NORTH

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JOB NO. 222300701

SCALE: AS NOTED

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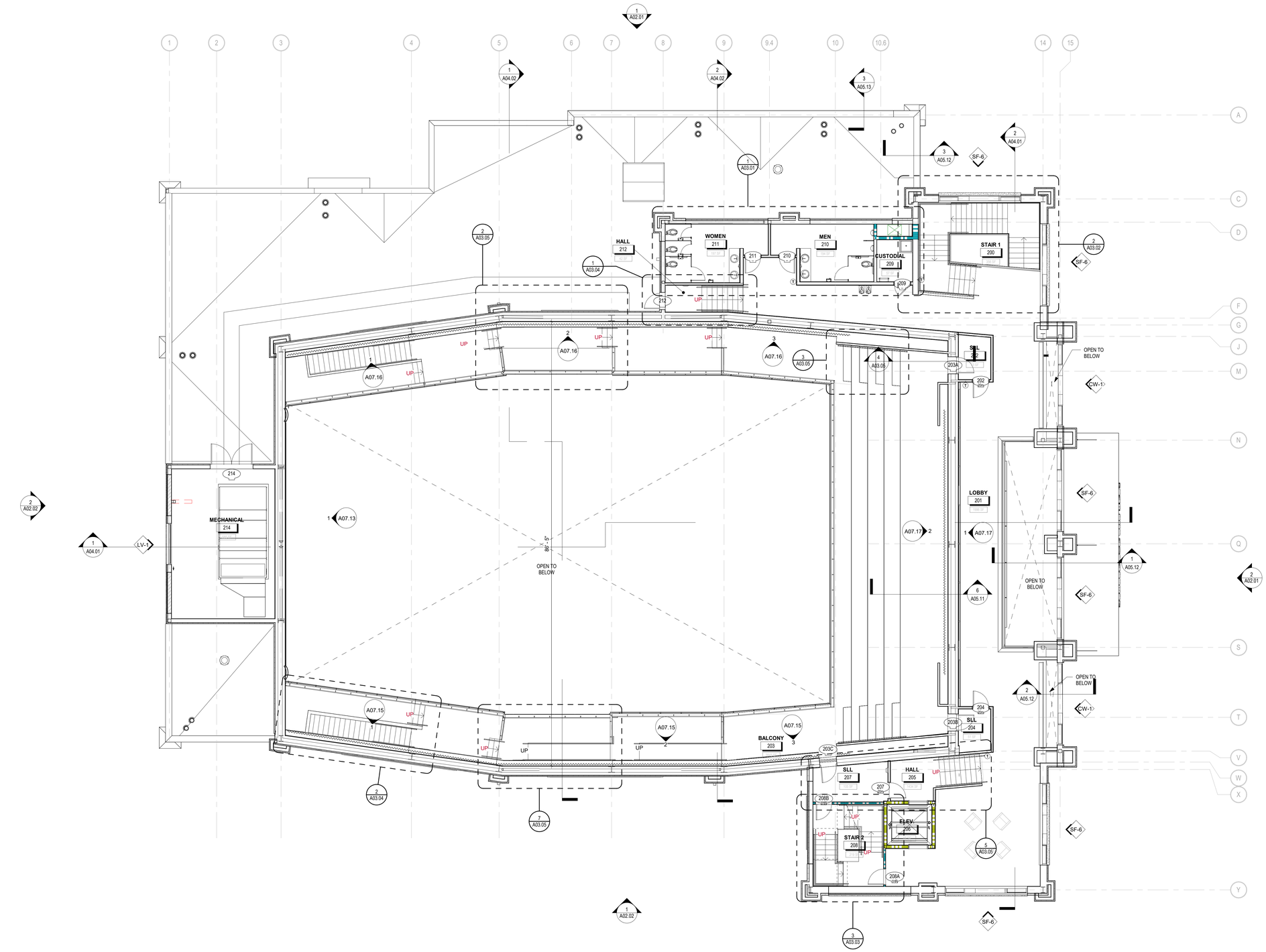
LEVEL 1 FLOOR PLAN

DRAWING NUMBER

A01.01



1 LEVEL 2 FLOOR PLAN
1/8" = 1'-0"

JOB NORTH

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REVISIONS:

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DATE: 02/26/2024

JOB NO. 222300701

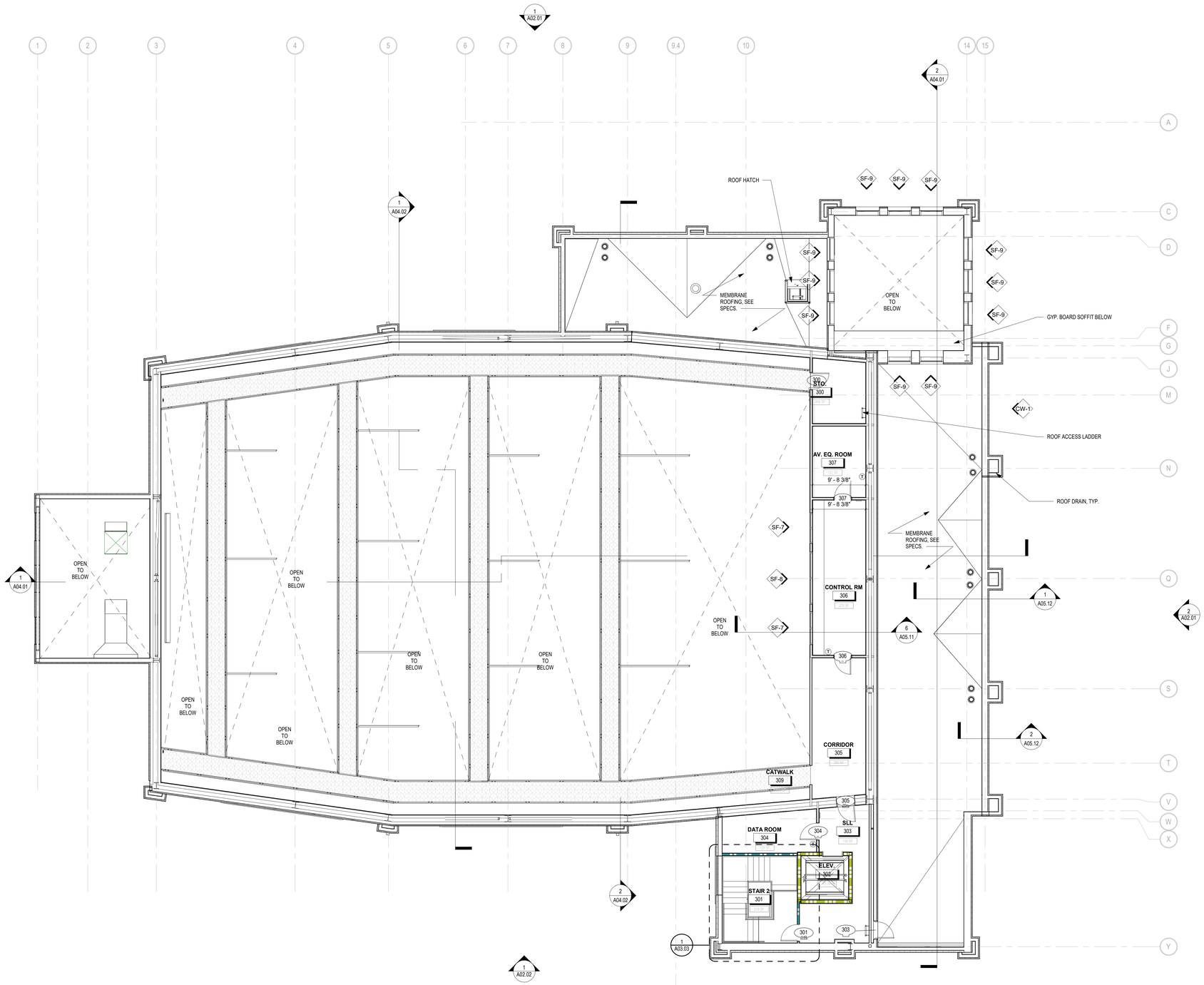
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

LEVEL 2 FLOOR PLAN

DRAWING NUMBER

A01.02



1 LEVEL 3 CATWALK
1/8" = 1'-0"

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Established 1958
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JOB NO. 222300701

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COLLEGE OF COASTAL GEORGIA
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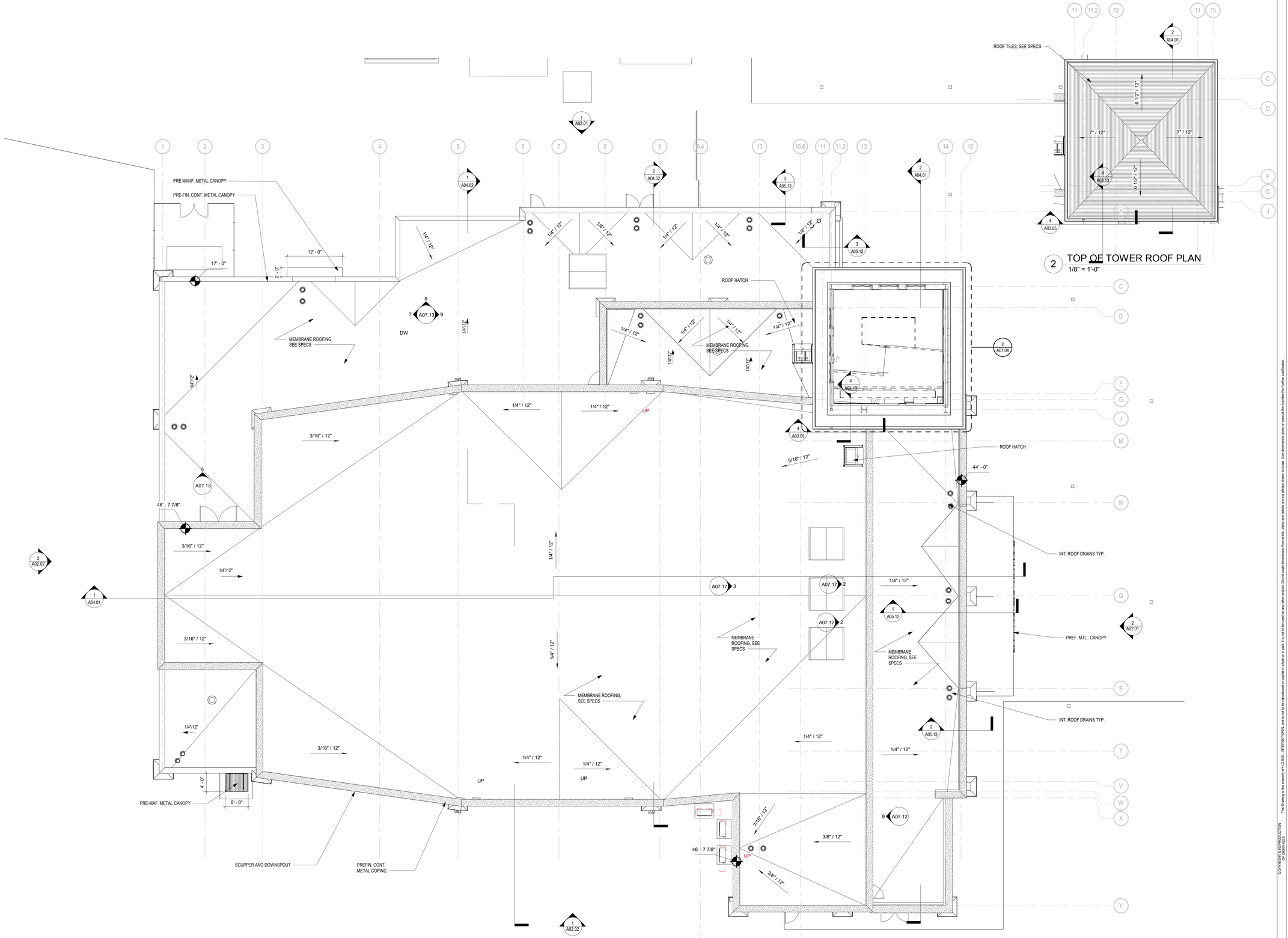
BRUNSWICK, GA 31520

CATWALK LEVEL

DRAWING NUMBER

A01.03



2 TOP OF TOWER ROOF PLAN
1/8" = 1'-0"

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

JOB NORTH

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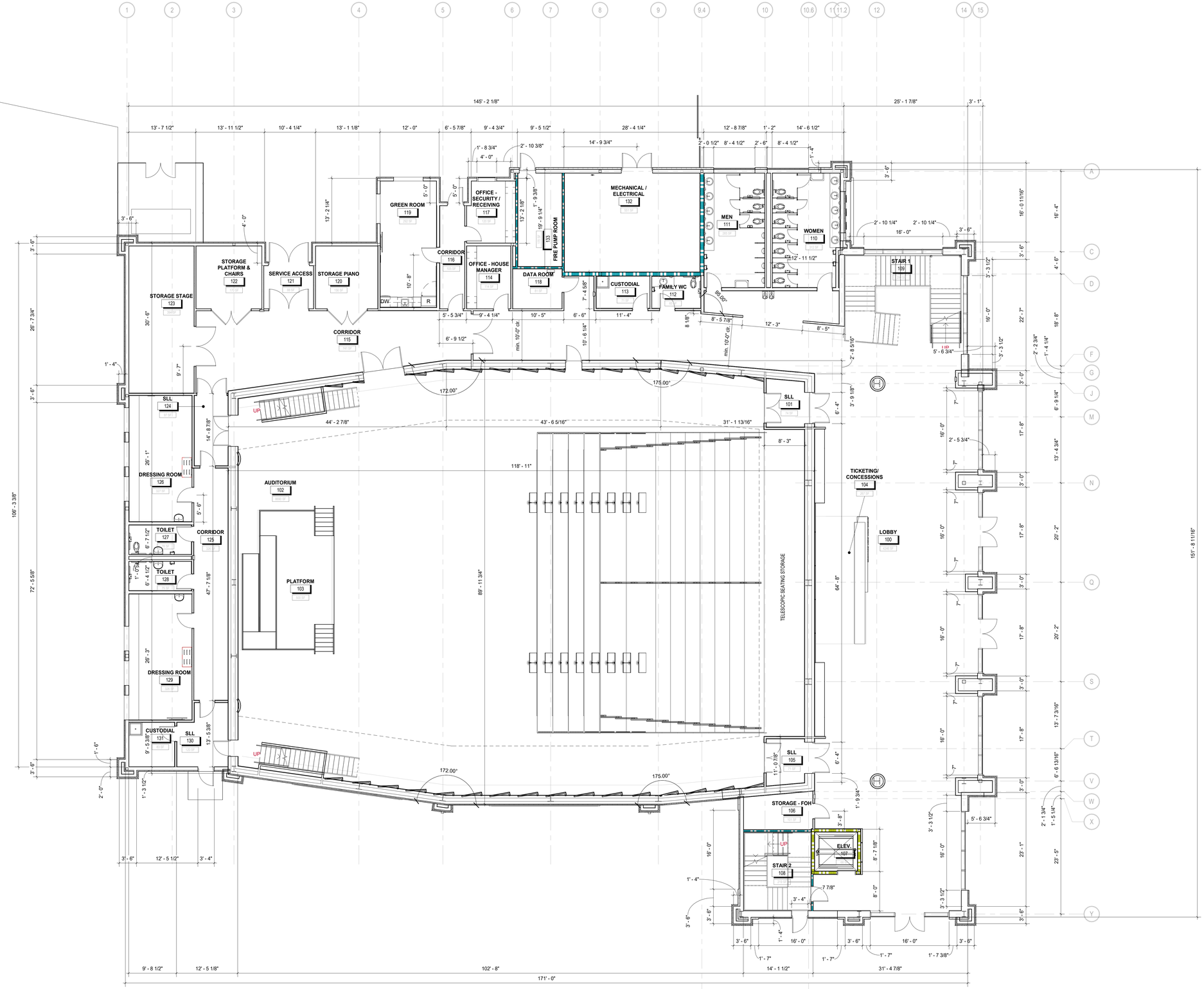
BRUNSWICK, GA 31520

ROOF PLAN

DRAWING NUMBER

A01.04



1 LEVEL 1 DIMENSION FLOOR PLAN
1/8" = 1'-0"

JOB NORTH

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329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

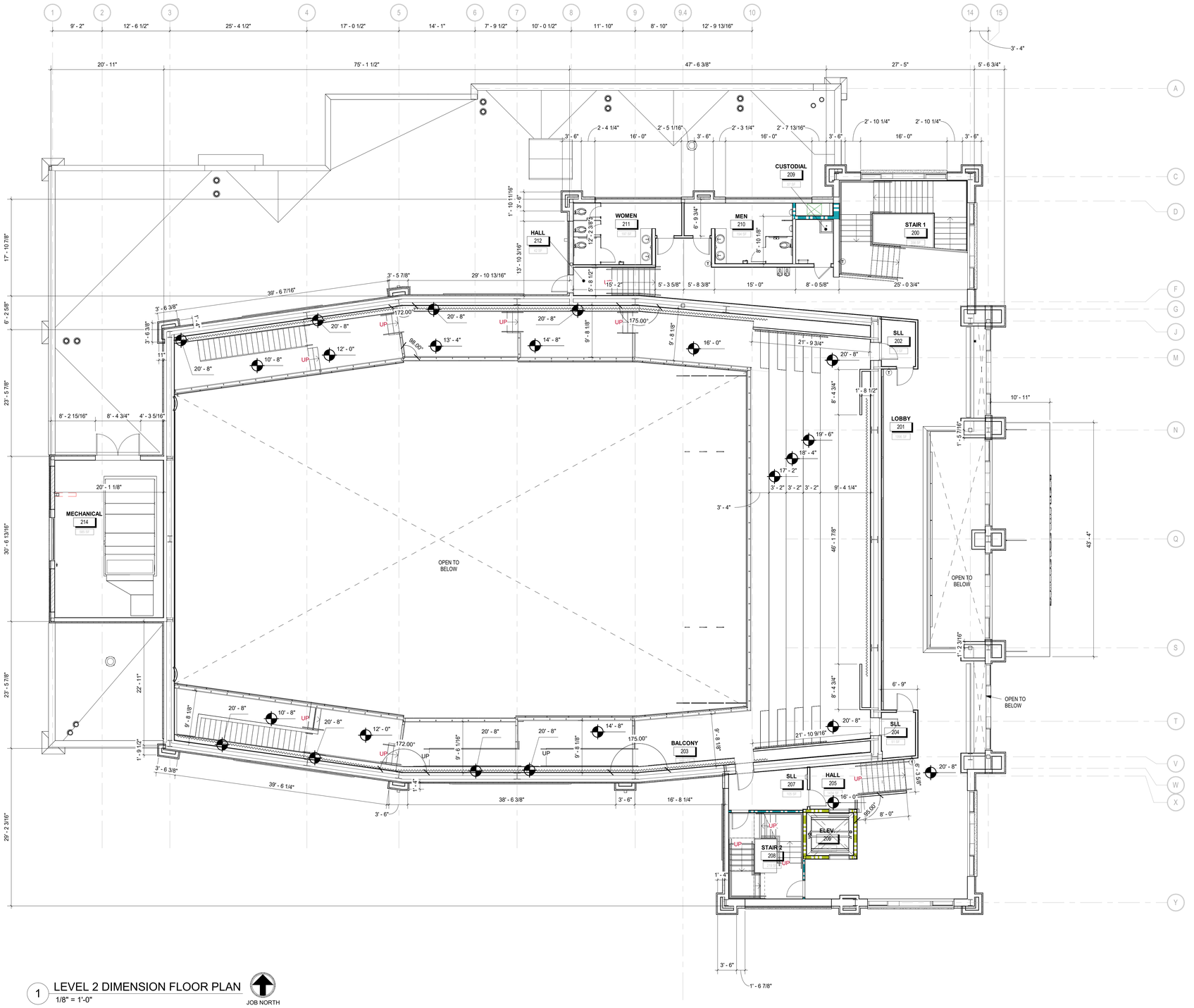
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

LEVEL 1 DIMENSION FLOOR PLAN

DRAWING NUMBER

A01.11



1 LEVEL 2 DIMENSION FLOOR PLAN
1/8" = 1'-0"

JOB NORTH

GMP SUBMITTAL - NOT FOR CONSTRUCTION

HUSSEY GAY BELL
Established 1958
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REVISIONS:

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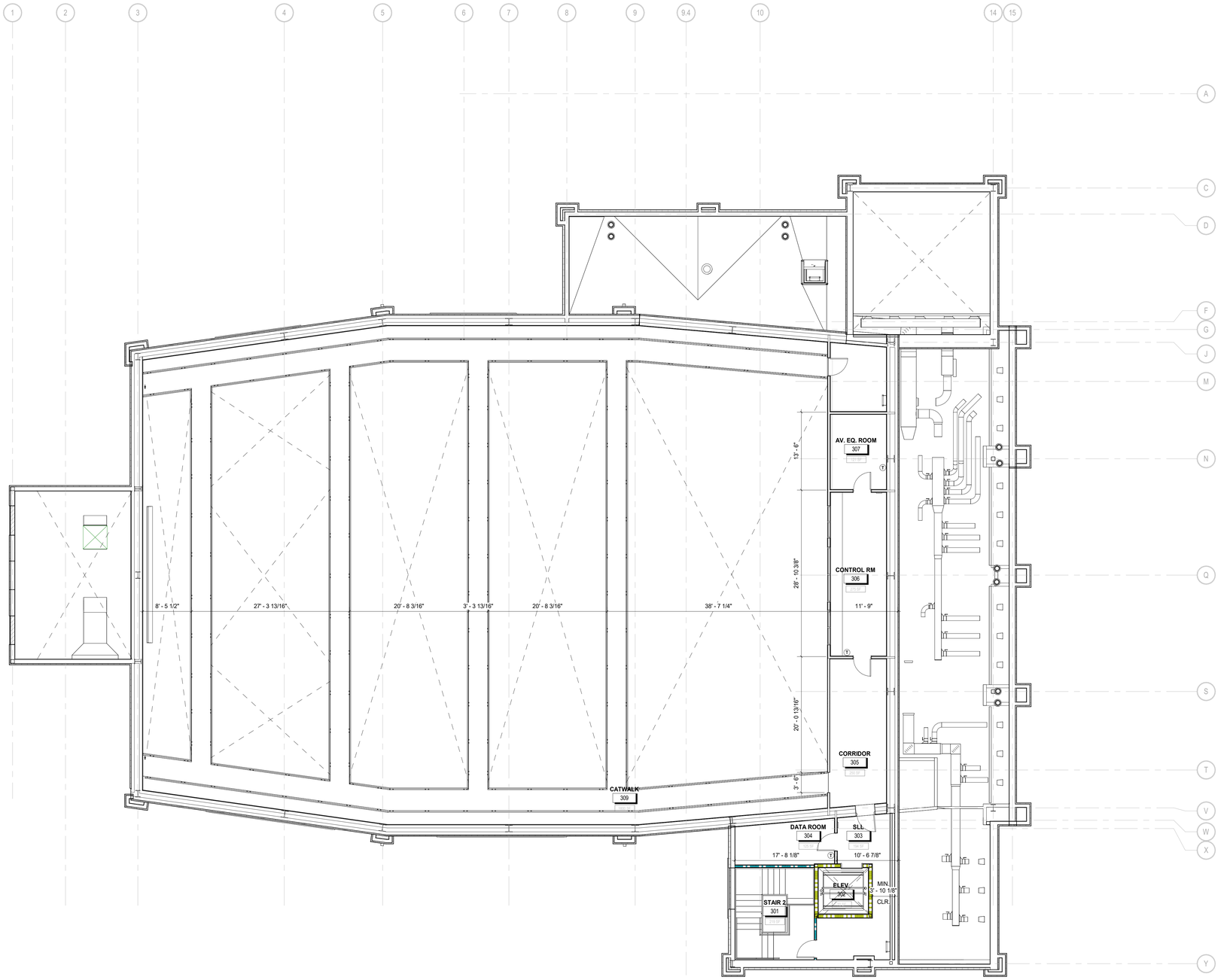
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

LEVEL 2 DIMENSION FLOOR PLAN

DRAWING NUMBER

A01.12



1 CATWALK DIMENSION PLAN
1/8" = 1'-0"

JOB NORTH

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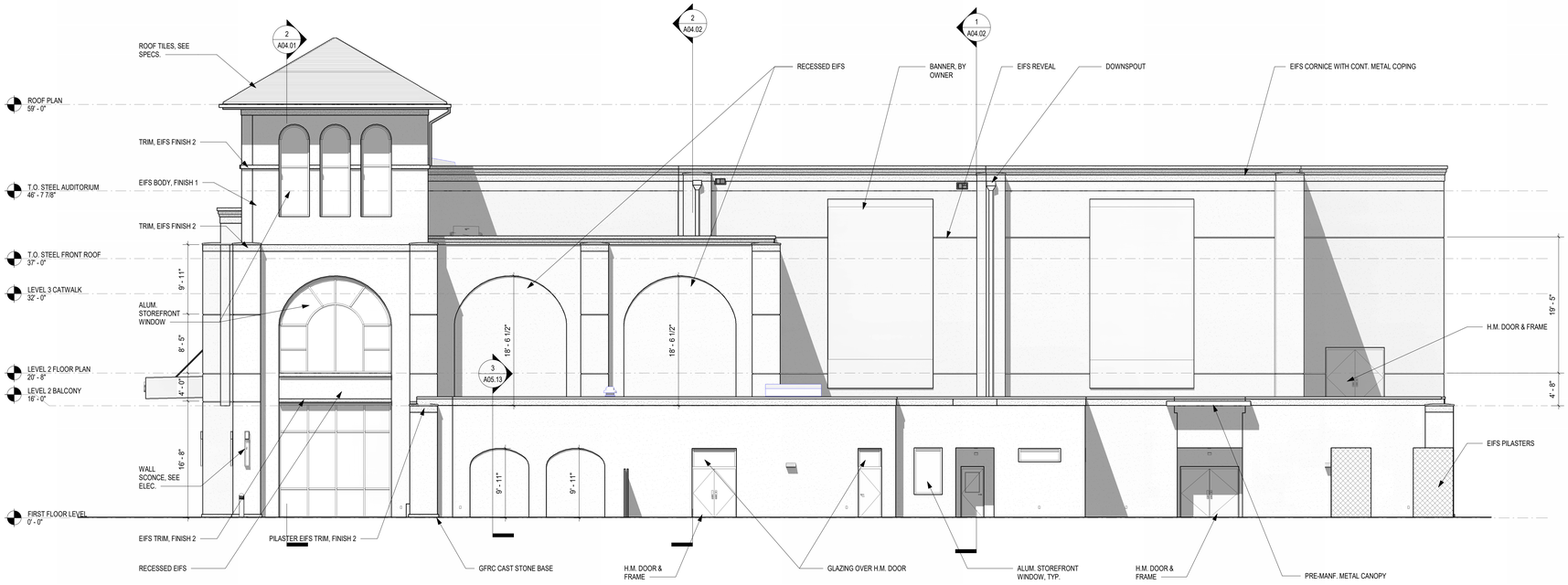
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

CATWALK DIMENSION FLOOR PLAN

DRAWING NUMBER

A01.13

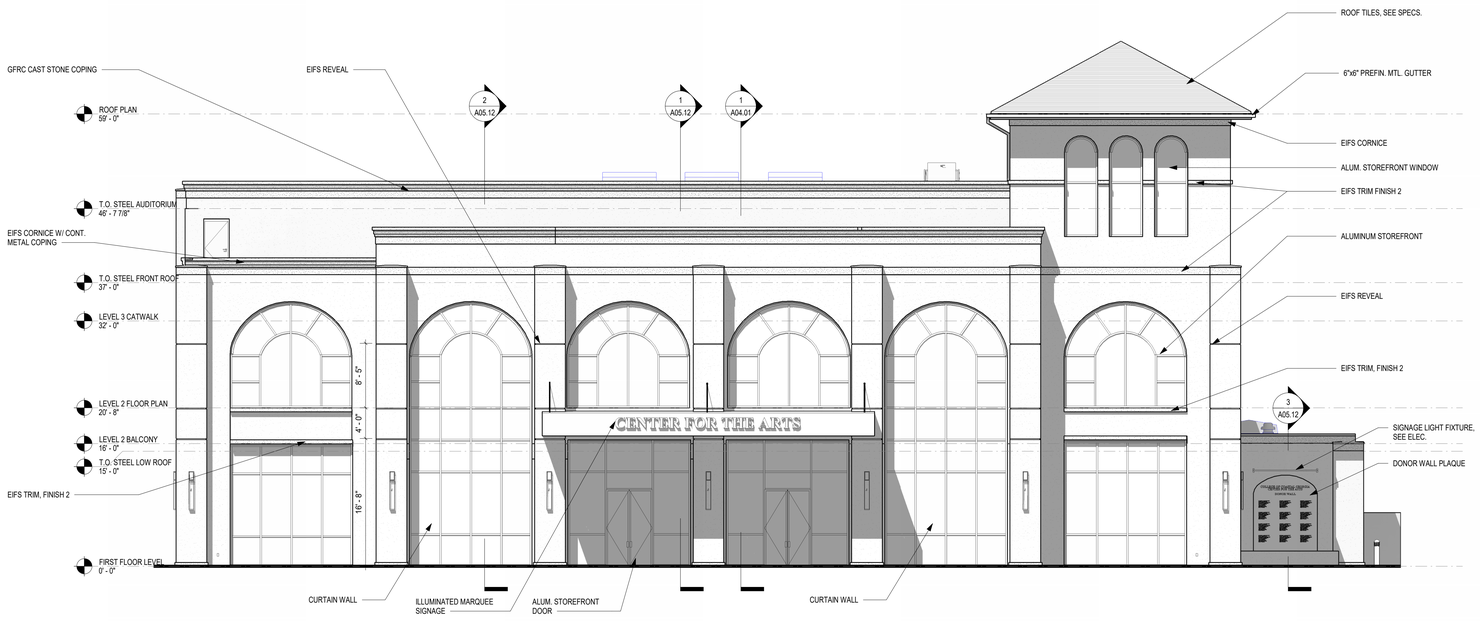


1 NORTH ELEVATION
1/8" = 1'-0"

EIFS ELEVATION LEGEND

EIFS FINISH 1 (BODY ELEVATION)
BASIS OF DESIGN: STO LOTUSAN 1.0 FINE, COLOR TBD

EIFS FINISH 2 (DETAILS AND SWEEPS)
BASIS OF DESIGN: STO GRANITEX, COLOR TBD



2 EAST ELEVATION
1/8" = 1'-0"

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REVISIONS: △

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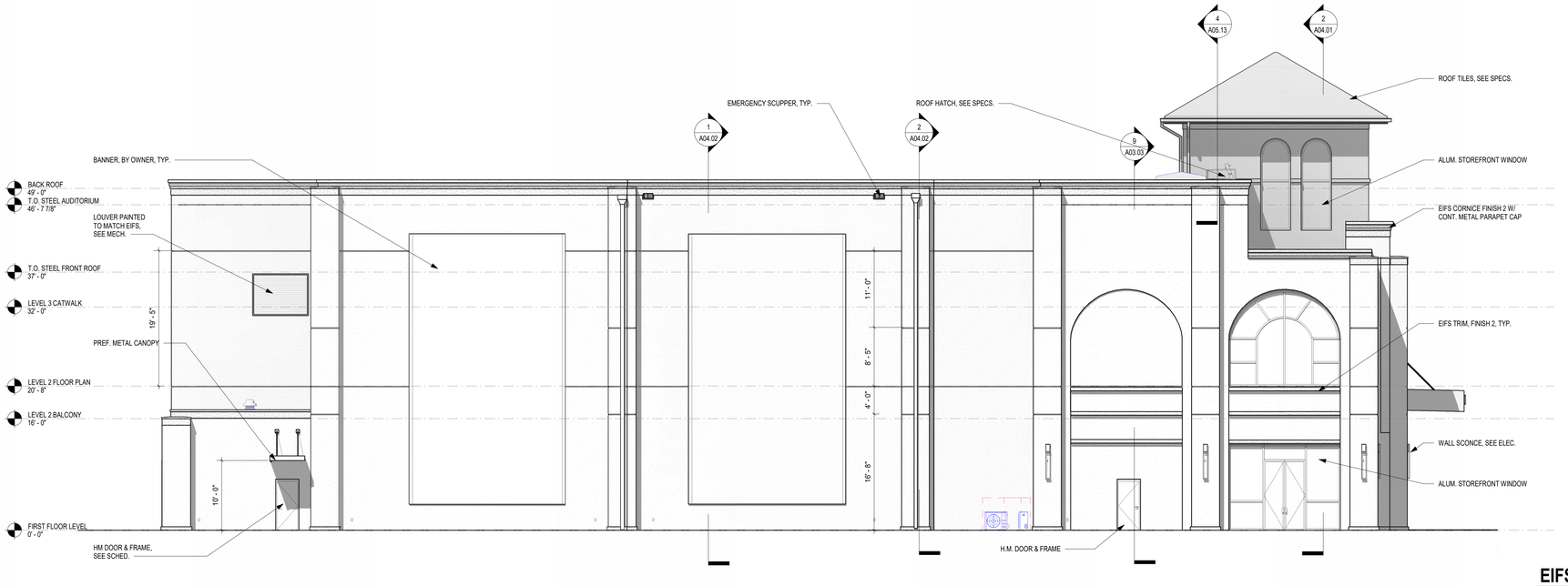
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

BUILDING ELEVATIONS

DRAWING NUMBER

A02.01

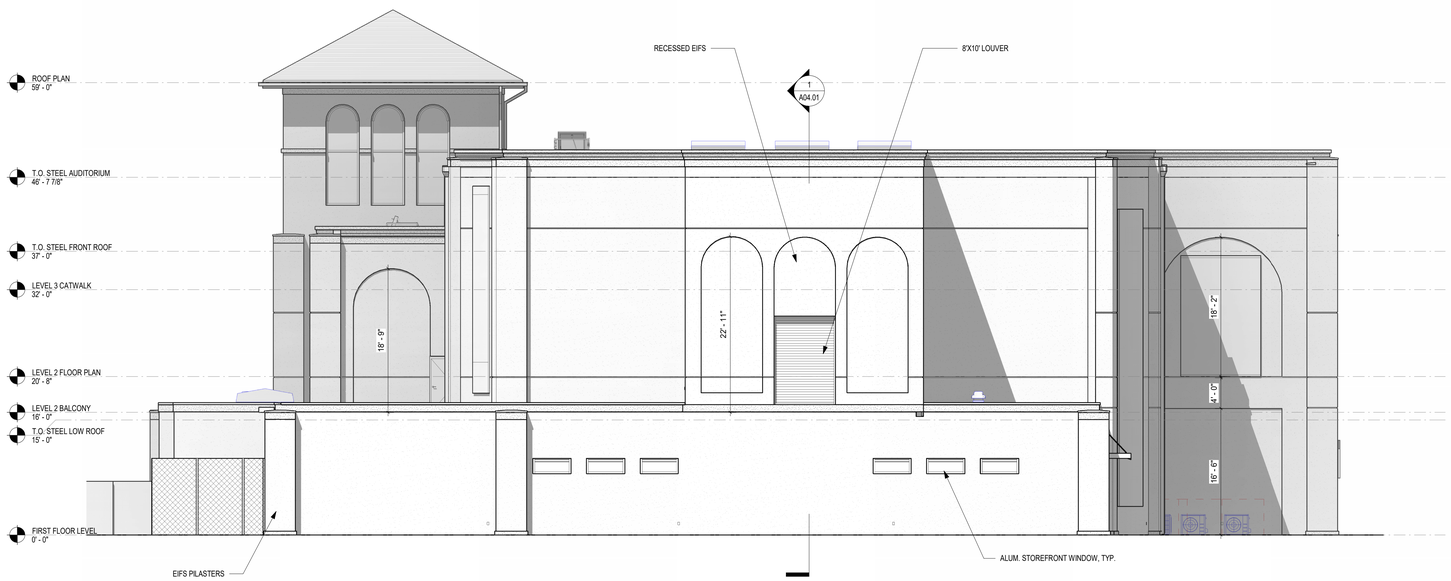


1 SOUTH ELEVATION
1/8" = 1'-0"

EIFS ELEVATION LEGEND

EIFS FINISH 1 (BODY ELEVATION)
BASIS OF DESIGN: STO LOTUSAN 1.0 FINE, COLOR TBD

EIFS FINISH 2 (DETAILS AND SWEEPS)
BASIS OF DESIGN: STO GRANITEX, COLOR TBD



2 WEST ELEVATION
1/8" = 1'-0"

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BRUNSWICK, GA 31520

BUILDING ELEVATIONS

DRAWING NUMBER

A02.02

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1 NORTHEAST VIEW
6" = 1'-0"

2 NORTHWEST VIEW
6" = 1'-0"

3 SOUTHWEST VIEW
6" = 1'-0"

4 SOUTHEAST VIEW
6" = 1'-0"

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COLLEGE OF COASTAL GEORGIA
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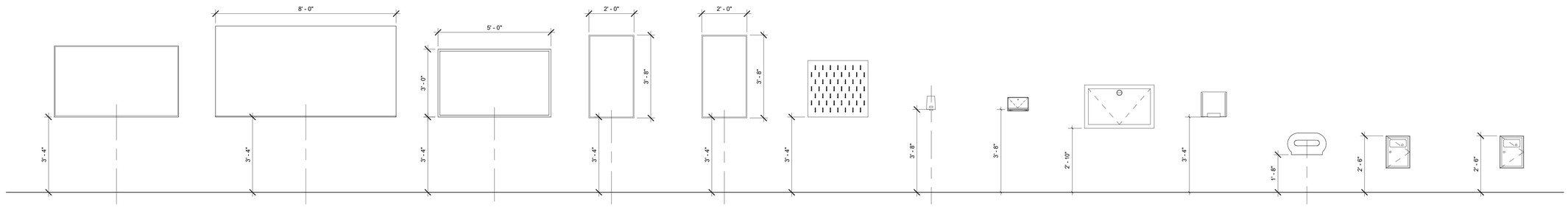
3D RENDER VIEW

DRAWING NUMBER

A02.03

GMP SUBMITTAL - NOT FOR CONSTRUCTION



TVM — TV MONITOR

MB-8 — MARKER BOARD 8'-0" wide

BB — BULLETIN BOARD

M-1 — STAINLESS STEEL MIRROR w/ FRAME

M-2 — GLASS MIRROR w/ STAINLESS STEELFRAME

DB — DRAIN BOARD WALL MOUNTED

SD — SOAP DISPENSER WALL MOUNTED

PTD — PAPER TOWEL DISPENSER WALL MOUNTED

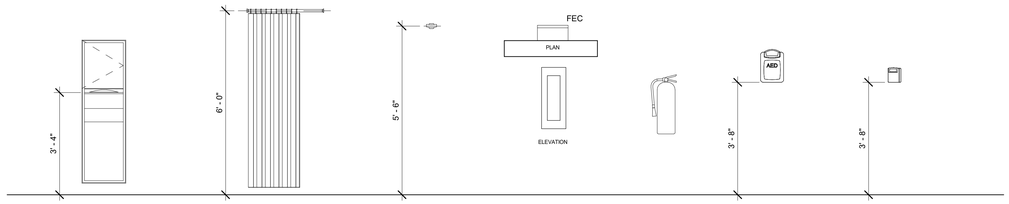
BCS — BABY CHANGING STATION WALL MOUNTED

EHD — ELECTRIC HAND DRYER WALL MOUNTED

TPD — TOILET PAPER DISPENSER

SND-1 — SANITARY NAPKIN DISPOSAL RECESSED WALL MOUNTED

SND-2 — SANITARY NAPKIN DISPOSAL PARTITION MOUNTED (SERVES 2 TOILET COMPARTMENTS)



PTD — PAPER TOWEL DISPENSER / WASTE RECEPACLE RECESSED MOUNTED

R&C — SHOWER ROD AND CURTAIN

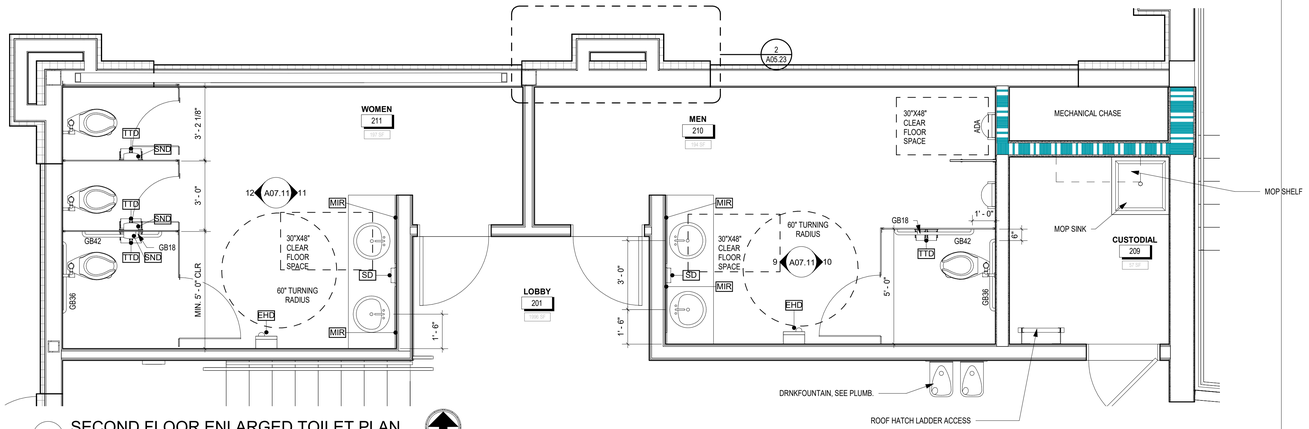
RH — ROBE HOOK

FEC — FIRE EXTINGUISHER CABINET

FE — FIRE EXTINGUISHER (WALL MOUNTED)

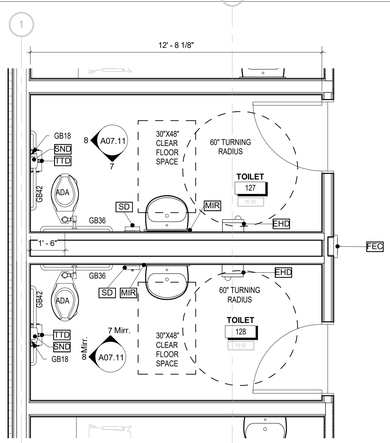
AED — AUTOMATED EXTERNAL DEFIBRILLATOR

TC — TIME CLOCK



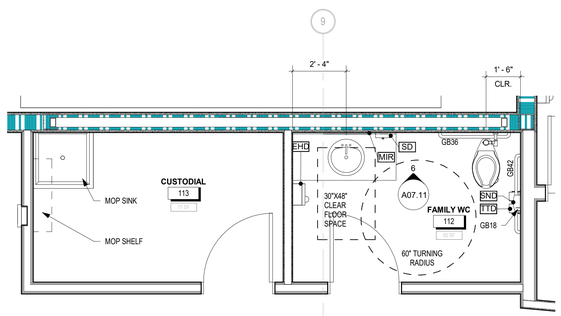
1 SECOND FLOOR ENLARGED TOILET PLAN
3/8" = 1'-0"

JOB NORTH



2 DRESSING ROOM TOILETS ENLARGED PLAN
3/8" = 1'-0"

JOB NORTH



3 FAMILY TOILET ENLARGED PLAN
3/8" = 1'-0"

JOB NORTH

4 GROUND FLOOR TOILETS ENLARGED PLAN
3/8" = 1'-0"

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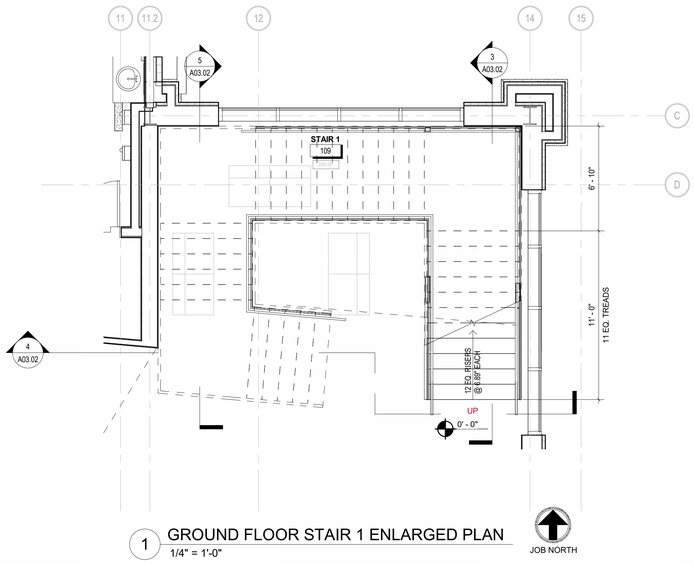
BRUNSWICK, GA 31520

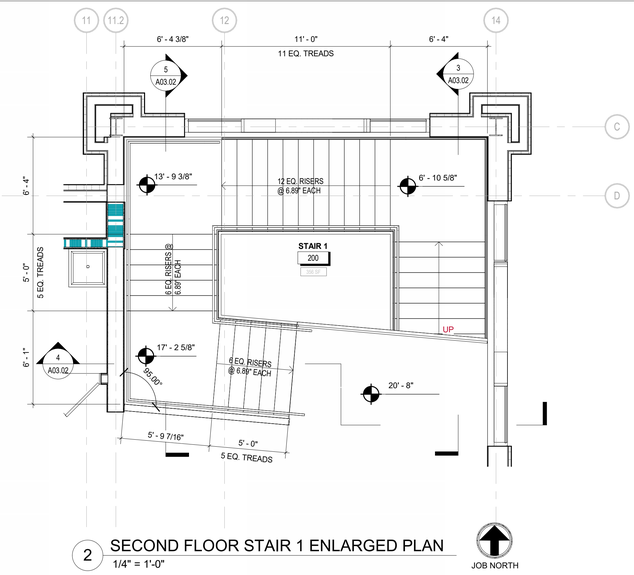
ENLARGED TOILET PLANS

DRAWING NUMBER

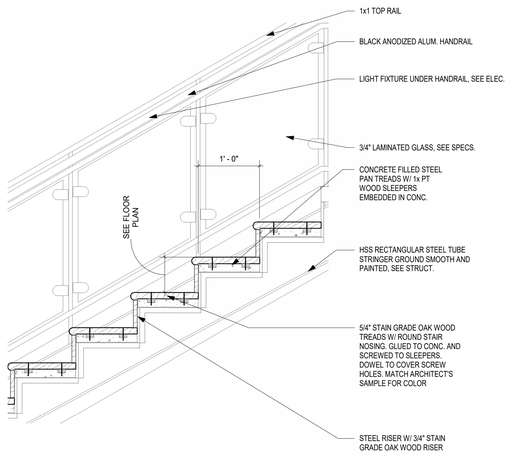
A03.01



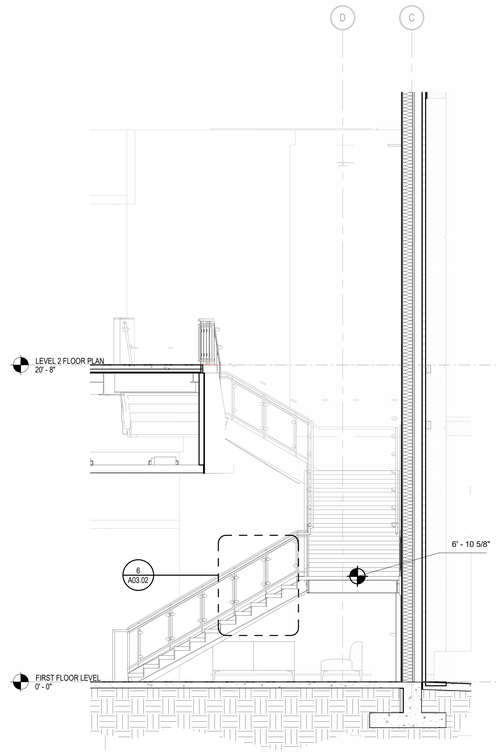
1 GROUND FLOOR STAIR 1 ENLARGED PLAN
1/4" = 1'-0"



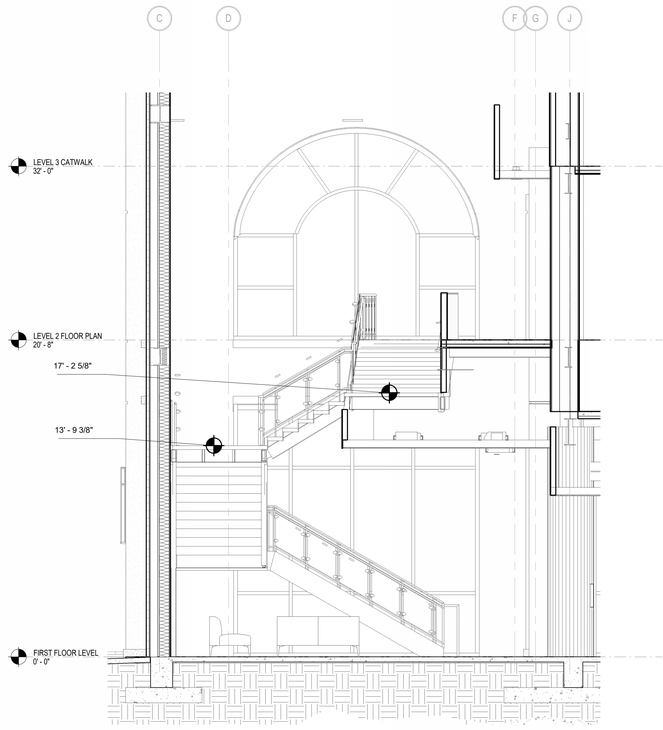
2 SECOND FLOOR STAIR 1 ENLARGED PLAN
1/4" = 1'-0"



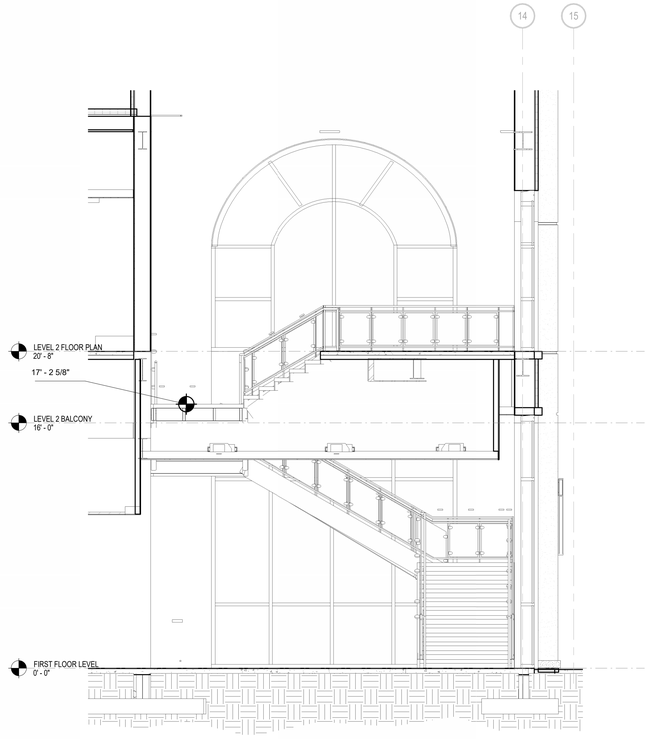
6 STAIR 1 SECTION DETAIL
1" = 1'-0"



3 SECTION THROUGH STAIR - STAIR 1
1/4" = 1'-0"



5 SECTION THROUGH STAIR 2 - STAIR 1
1/4" = 1'-0"



4 SECTION THROUGH STAIR 3 - STAIR 1
1/4" = 1'-0"

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BRUNSWICK, GA 31520

ENLARGED FLOOR PLANS

DRAWING NUMBER

A03.02

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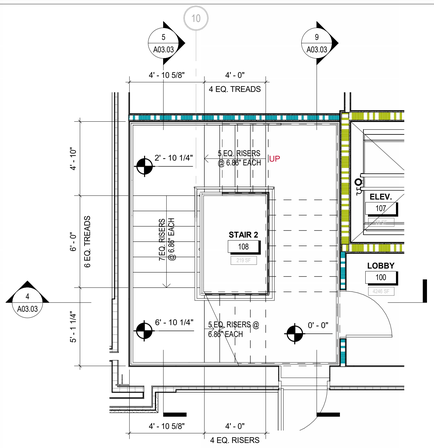
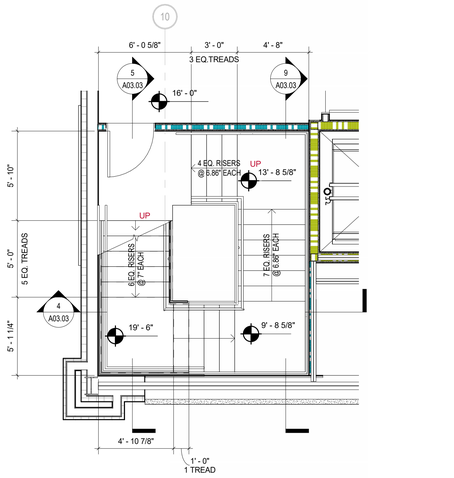


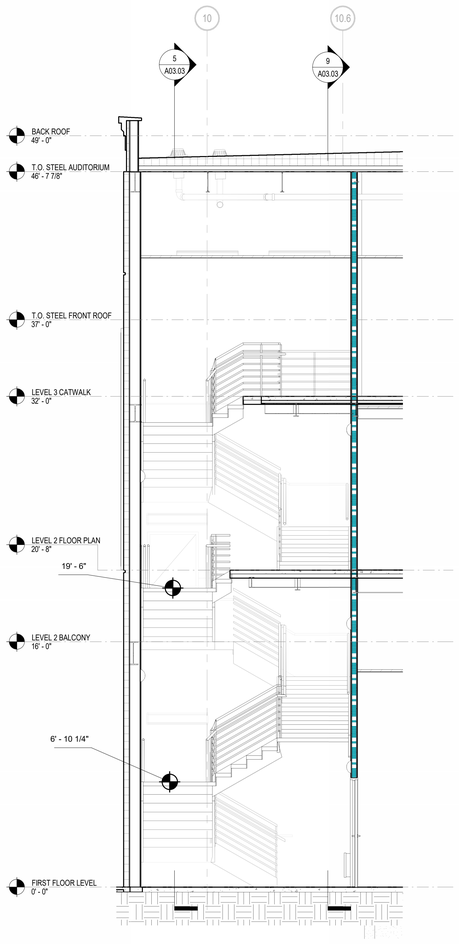
2 GROUND FLOOR STAIR 2 ENLARGED PLAN
1/4" = 1'-0"

JOB NORTH

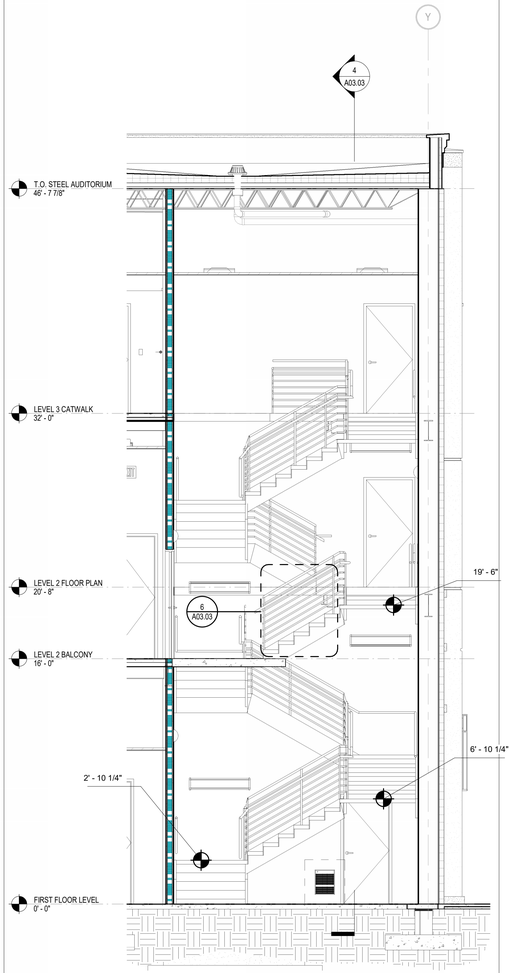


8 BALCONY LEVEL STAIR 2 ENLARGED PLAN
1/4" = 1'-0"

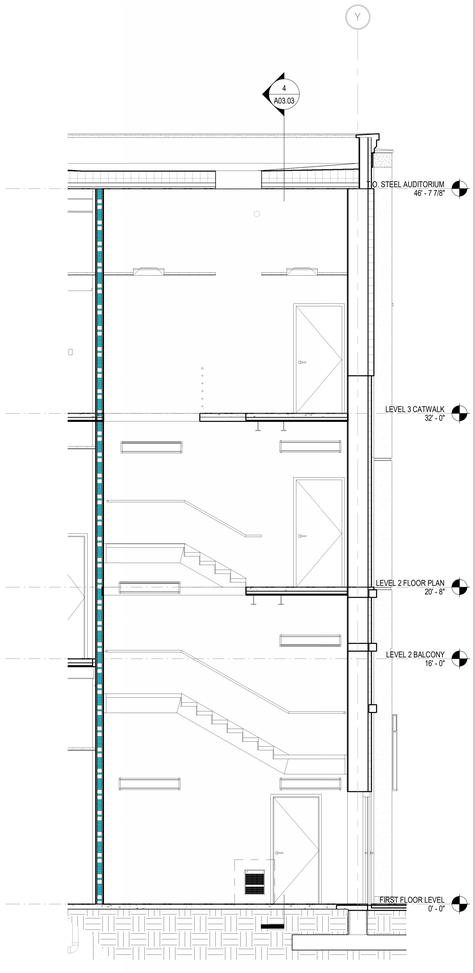
JOB NORTH



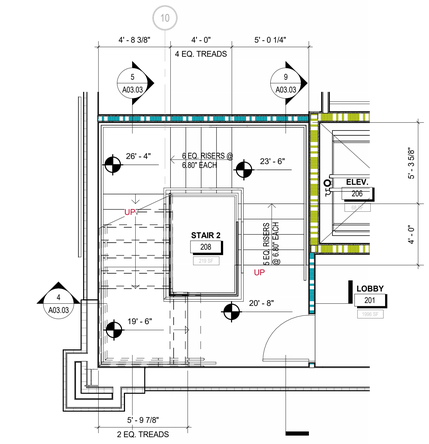
4 SECTION THROUGH STAIR 2
1/4" = 1'-0"



5 SECTION THROUGH STAIR 2 #2
1/4" = 1'-0"

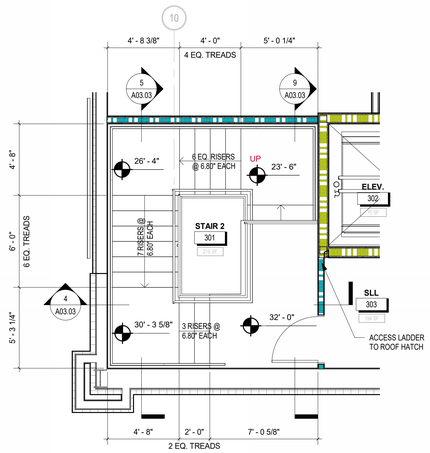


9 SECTION THROUGH STAIR 2 #3
1/4" = 1'-0"



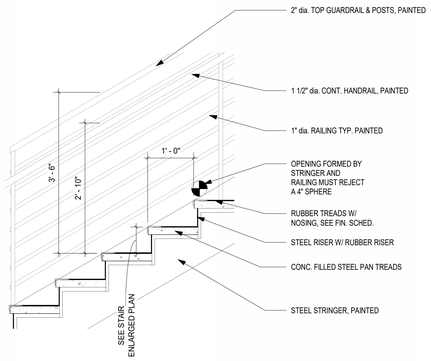
3 SECOND FLOOR STAIR 2 ENLARGED PLAN
1/4" = 1'-0"

JOB NORTH



1 CATWALK LEVEL STAIR 2 ENLARGED PLAN
1/4" = 1'-0"

JOB NORTH



6 TYPICAL STAIR SECTION DETAIL
3/4" = 1'-0"

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HUSSEY GAY BELL
Established 1958
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DATE: 02/26/2024

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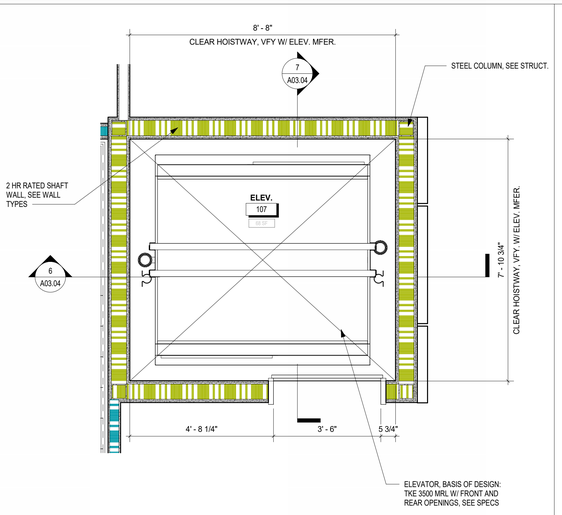
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

ENLARGED FLOOR PLANS

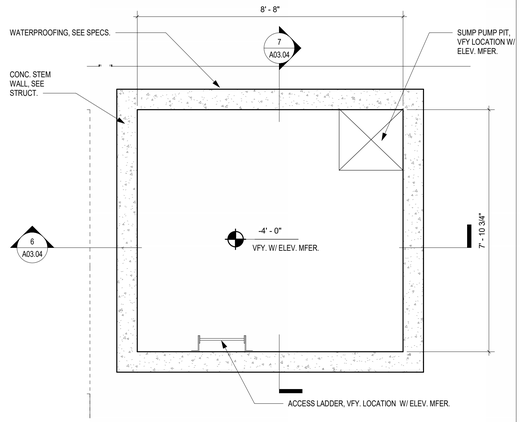
DRAWING NUMBER

A03.03



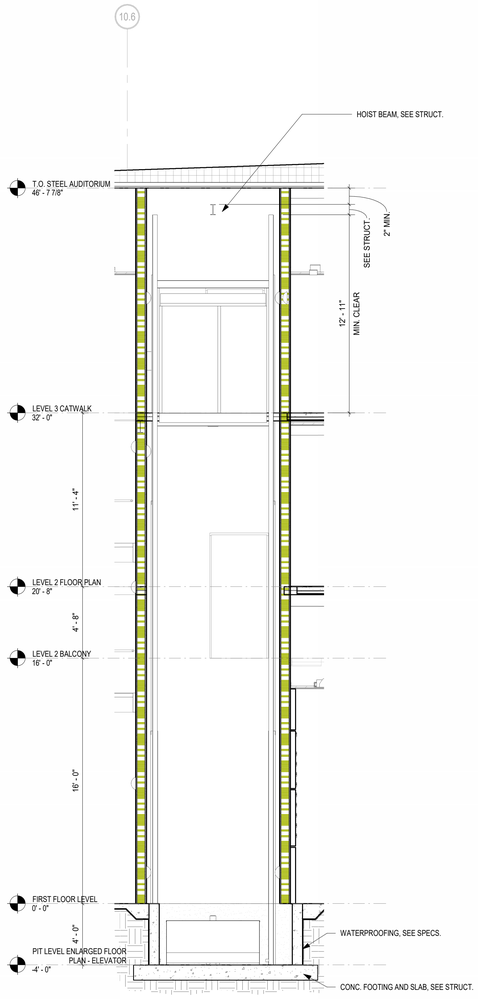
5 LEVEL 1 ENLARGED FLOOR PLAN - ELEVATOR
1/2" = 1'-0"

JOB NORTH

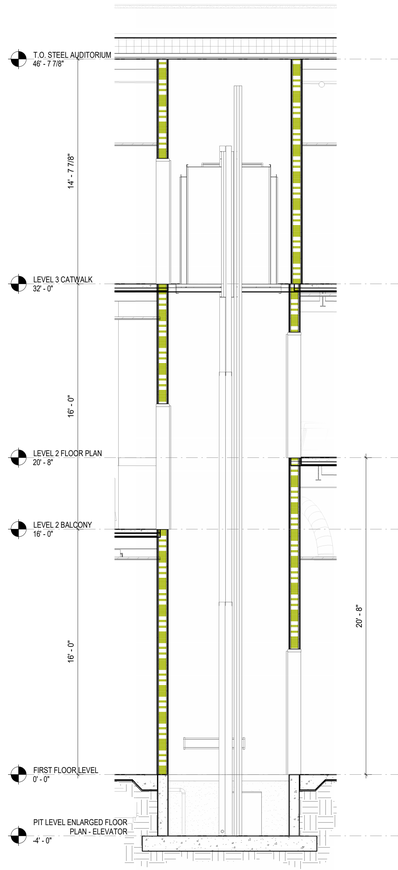


8 PIT LEVEL ENLARGED FLOOR PLAN - ELEVATOR
1/2" = 1'-0"

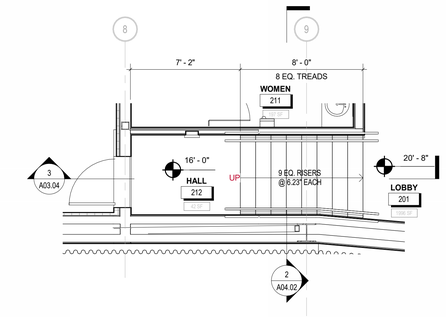
JOB NORTH



6 CROSS SECTION THROUGH ELEVATOR
1/4" = 1'-0"

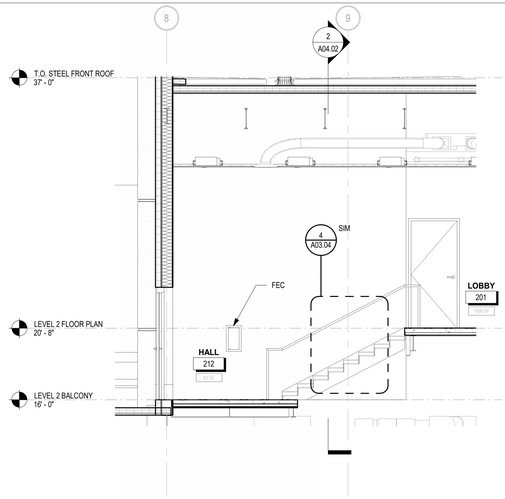


7 SECTION THROUGH ELEVATOR
1/4" = 1'-0"

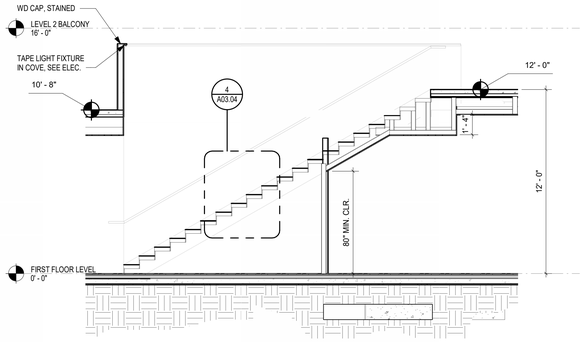


1 HALL 212 STAIR ENLARGED PLAN
1/4" = 1'-0"

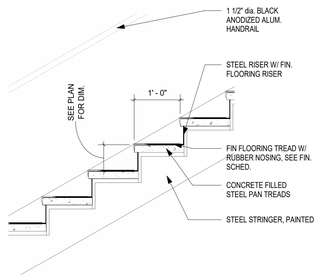
JOB NORTH



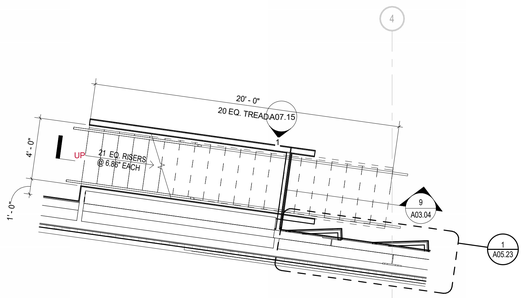
3 HALL 212 STAIRS SECTION
1/4" = 1'-0"



9 SECTION THROUGH AUDITORIUM STAIRS
1/4" = 1'-0"

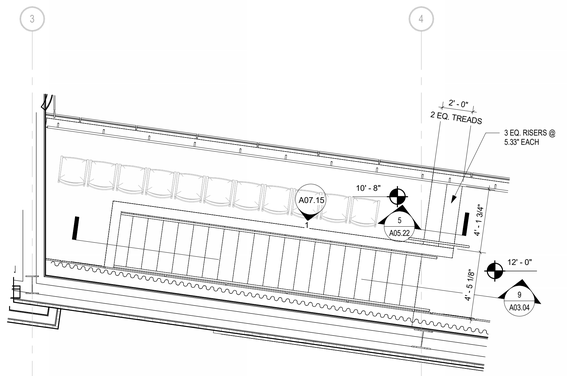


4 AUDITORIUM STAIR DETAIL
3/4" = 1'-0"



10 AUDITORIUM STAIRS ENLARGED PLAN
1/4" = 1'-0"

JOB NORTH



2 AUDITORIUM STAIRS ENLARGED PLAN - BALCONY LEVEL
1/4" = 1'-0"

JOB NORTH

HUSSEY GAY BELL
Established 1958
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ENLARGED FLOOR PLANS

DRAWING NUMBER

A03.04

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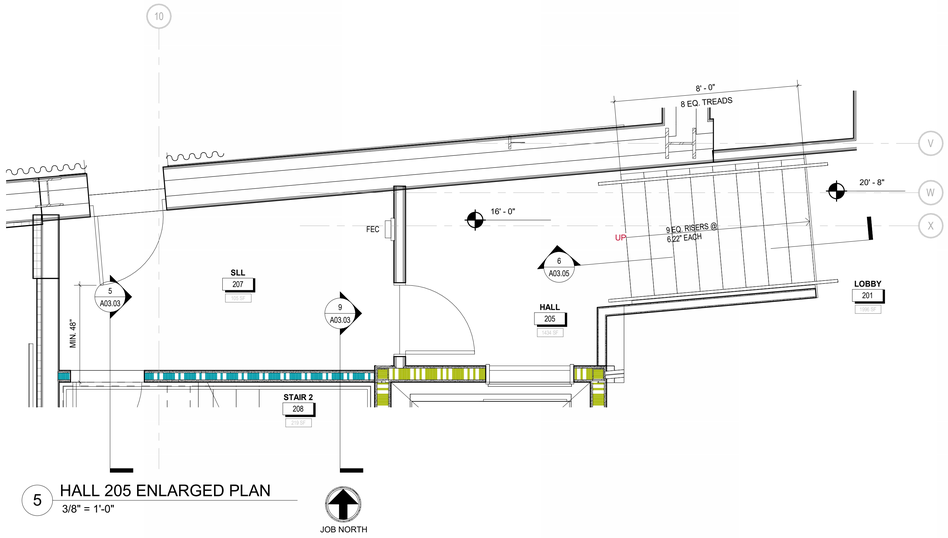
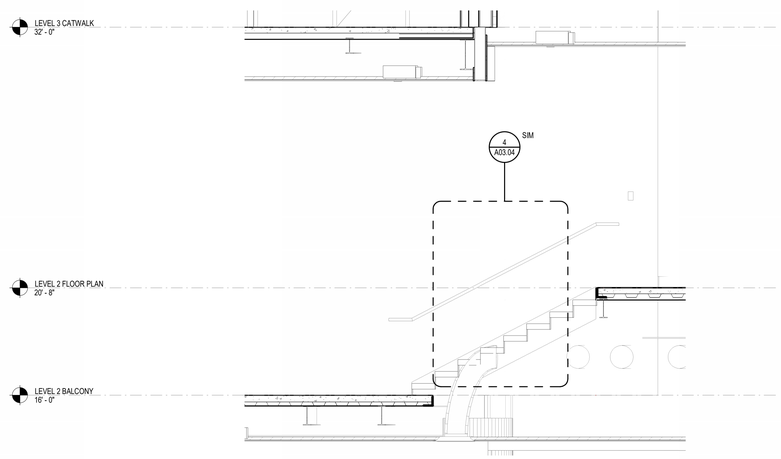
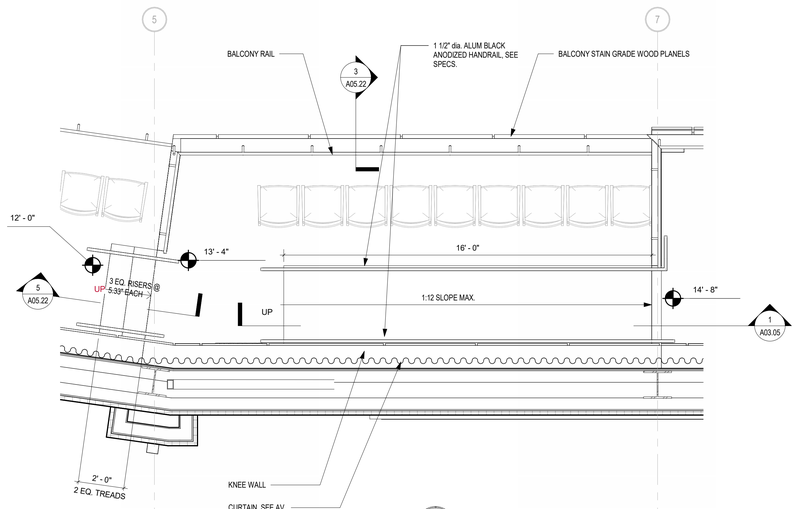


5 HALL 205 ENLARGED PLAN
3/8" = 1'-0"

JOB NORTH

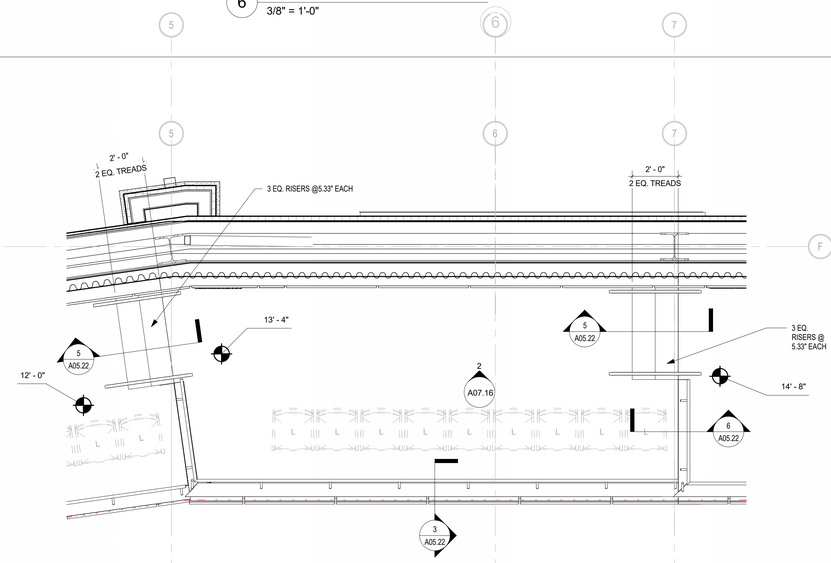


6 HALL 205 STAIRS SECTION
3/8" = 1'-0"



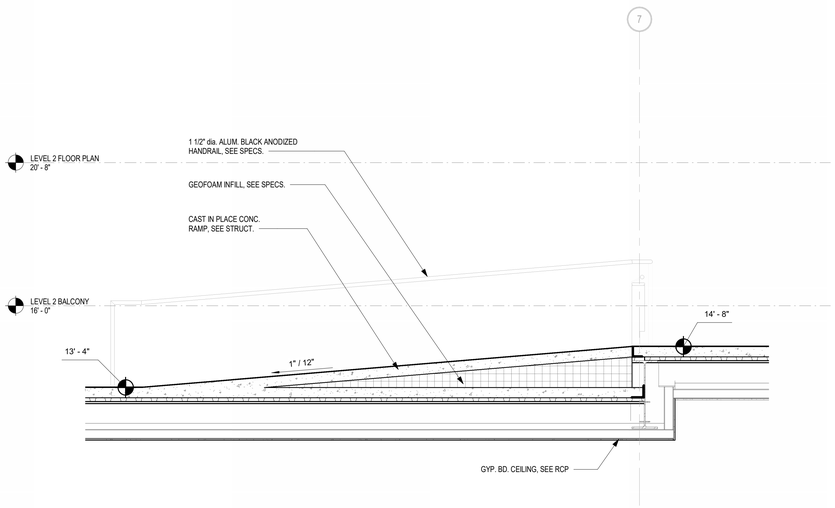
7 TYPICAL BALCONY RAMP ENLARGED PLAN
3/8" = 1'-0"

JOB NORTH

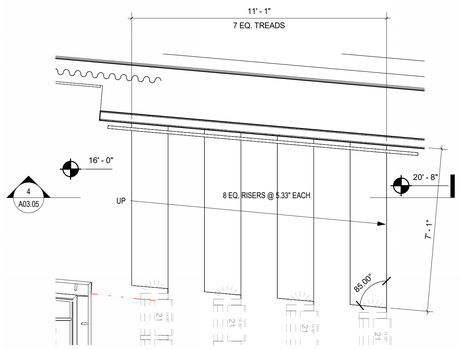


2 TYPICAL BALCONY NORTH SIDE ENLARGED PLAN
3/8" = 1'-0"

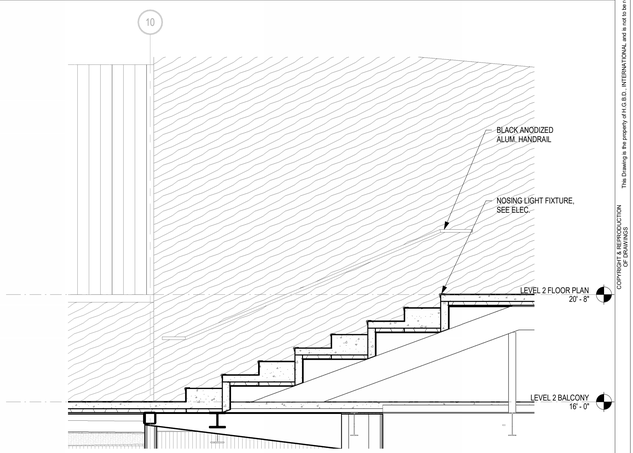
JOB NORTH



1 RAMP SECTION DETAIL
1/2" = 1'-0"



3 BACK BALCONY ENLARGED STAIR PLAN
3/8" = 1'-0"



4 BACK BALCONY STAIR SECTION
3/8" = 1'-0"

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

ENLARGED FLOOR PLANS

DRAWING NUMBER

A03.05

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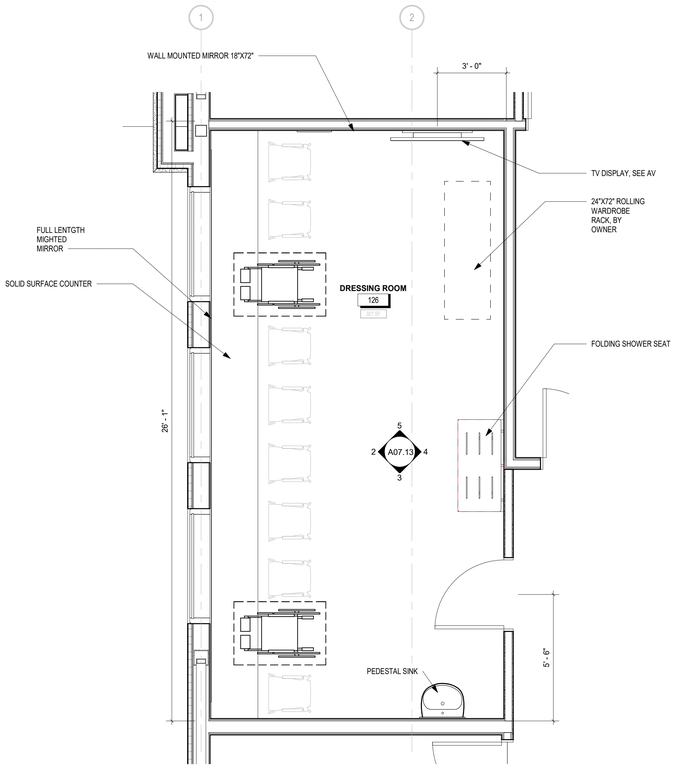
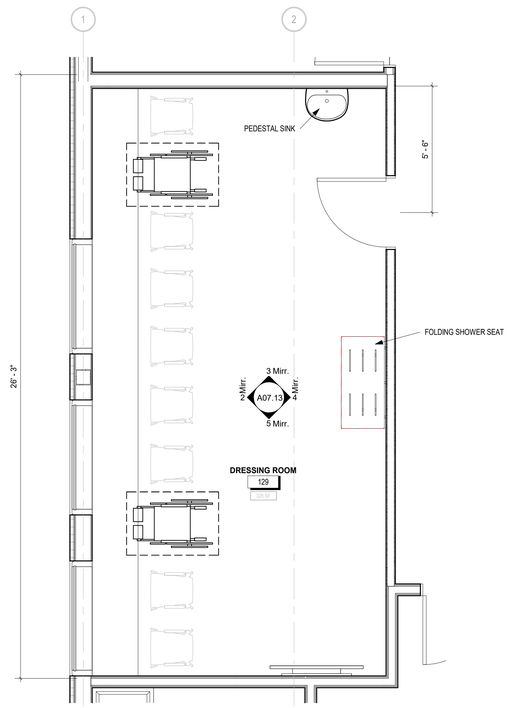


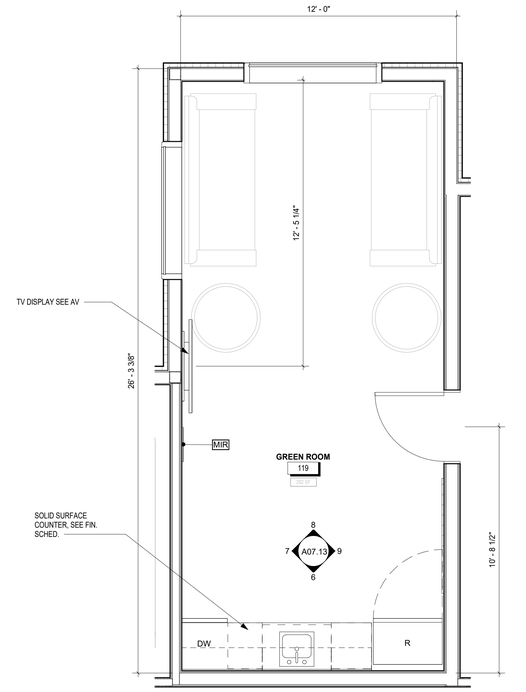
1 DRESSING ROOM 126 ENLARGED PLAN
3/8" = 1'-0"

JOB NORTH



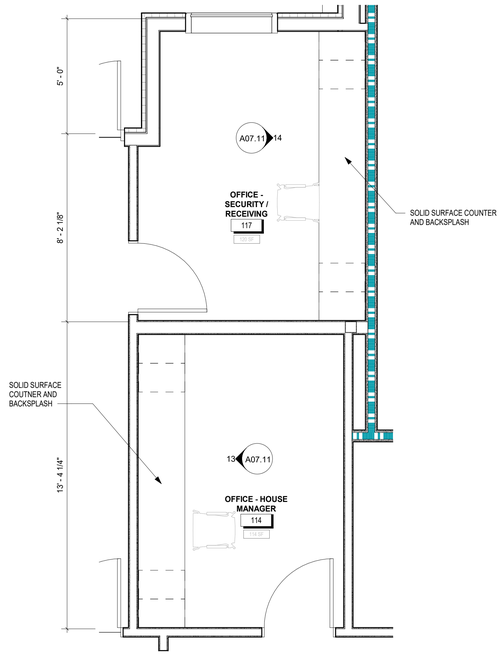
2 DRESSING ROOM 129 ENLARGED PLAN
3/8" = 1'-0"

JOB NORTH



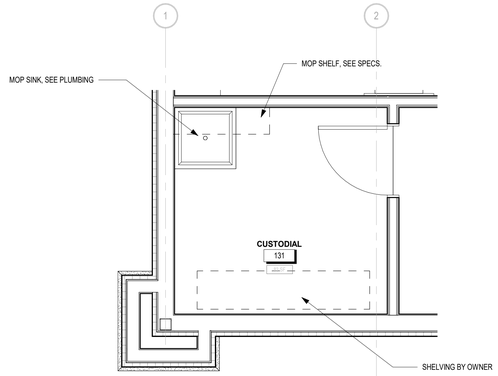
3 GREEN ROOM ENLARGED PLAN
3/8" = 1'-0"

JOB NORTH



4 OFFICE AREA ENLARGED PLAN
3/8" = 1'-0"

JOB NORTH



5 JANITORS CLOSET ENLARGED PLAN
3/8" = 1'-0"

JOB NORTH

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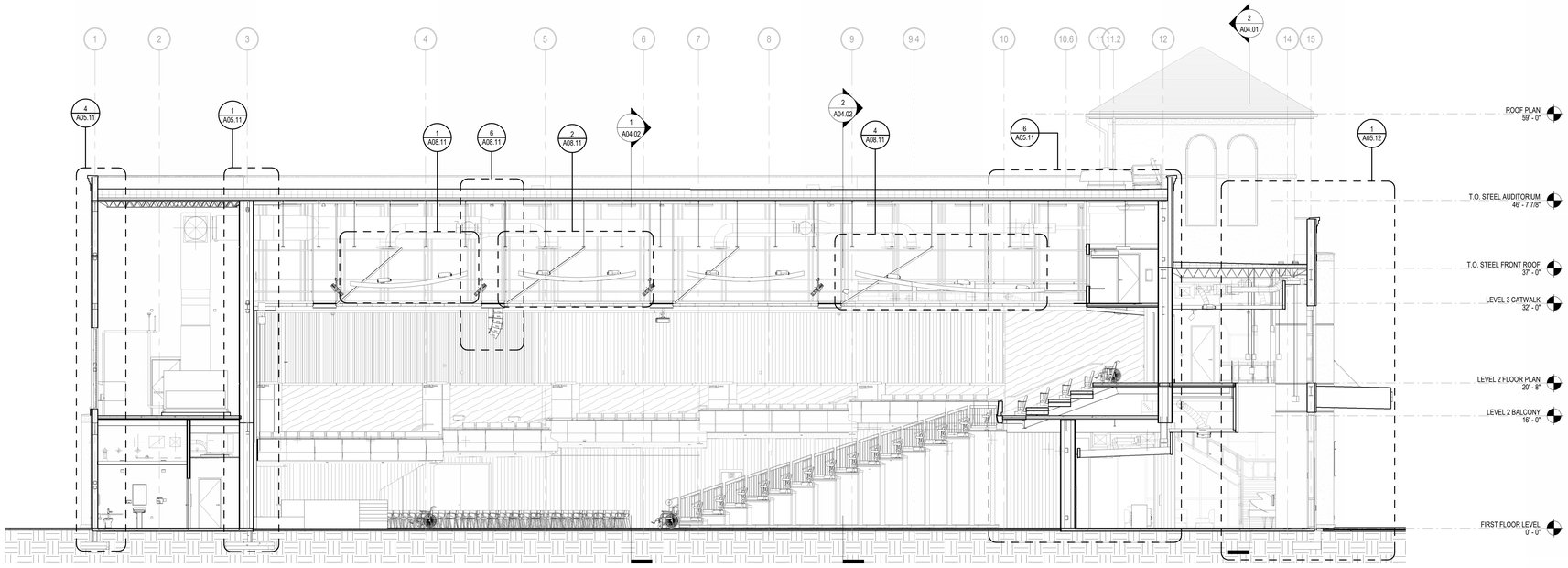
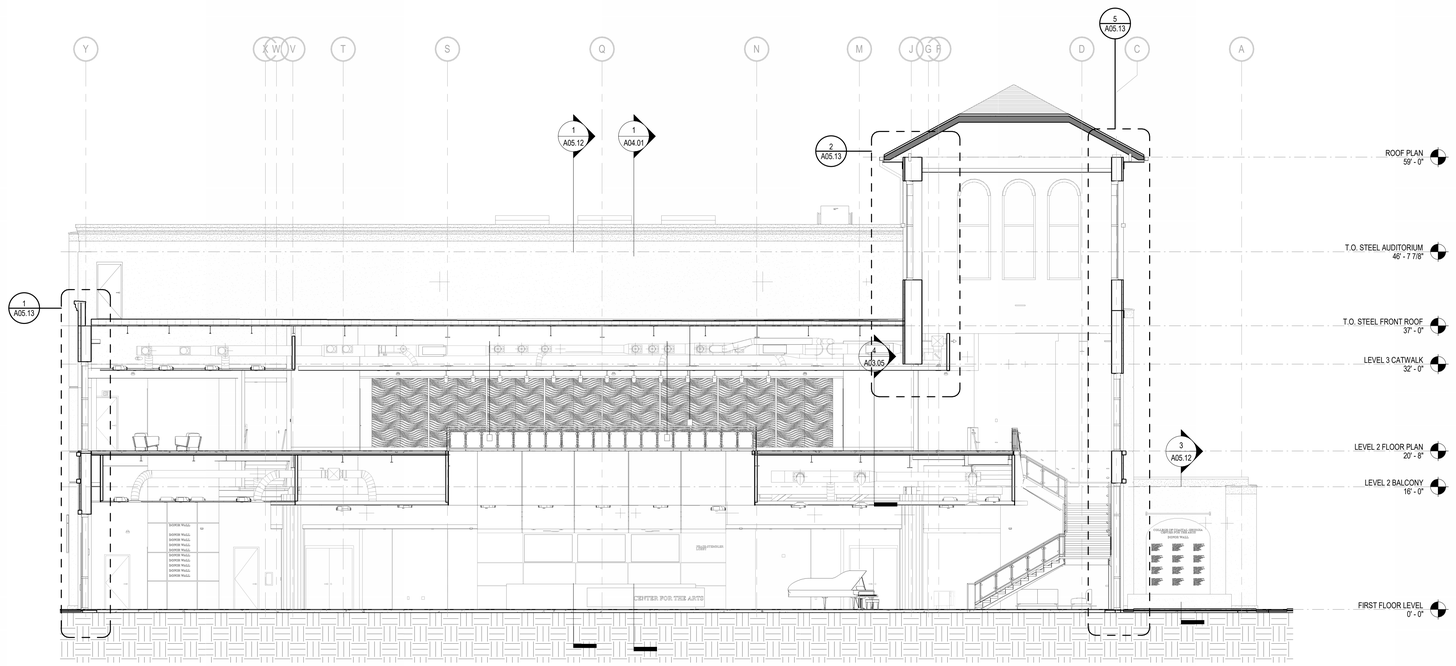
ENLARGED FLOOR PLANS

DRAWING NUMBER

A03.06



1 SECTION AT AUDITORIUM
1/8" = 1'-0"



2 SECTION AT LOBBY
1/8" = 1'-0"

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OVERALL BUILDING SECTIONS

DRAWING NUMBER

A04.01

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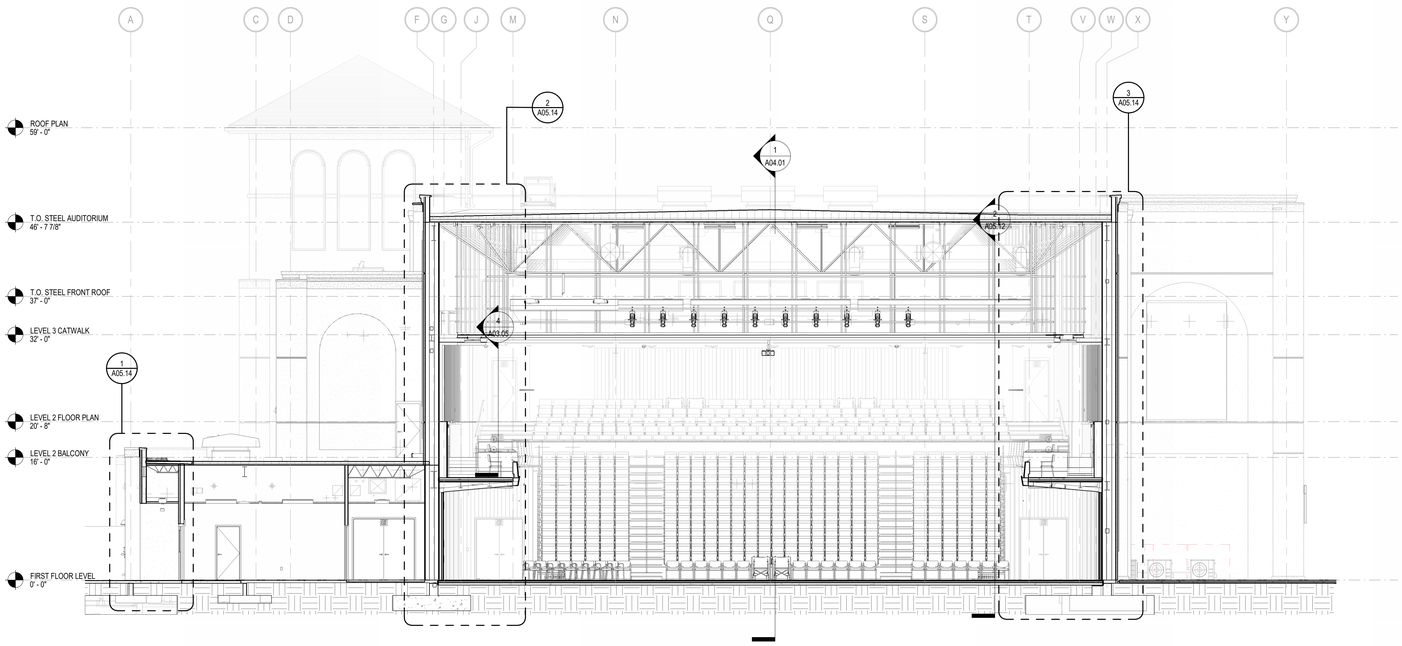
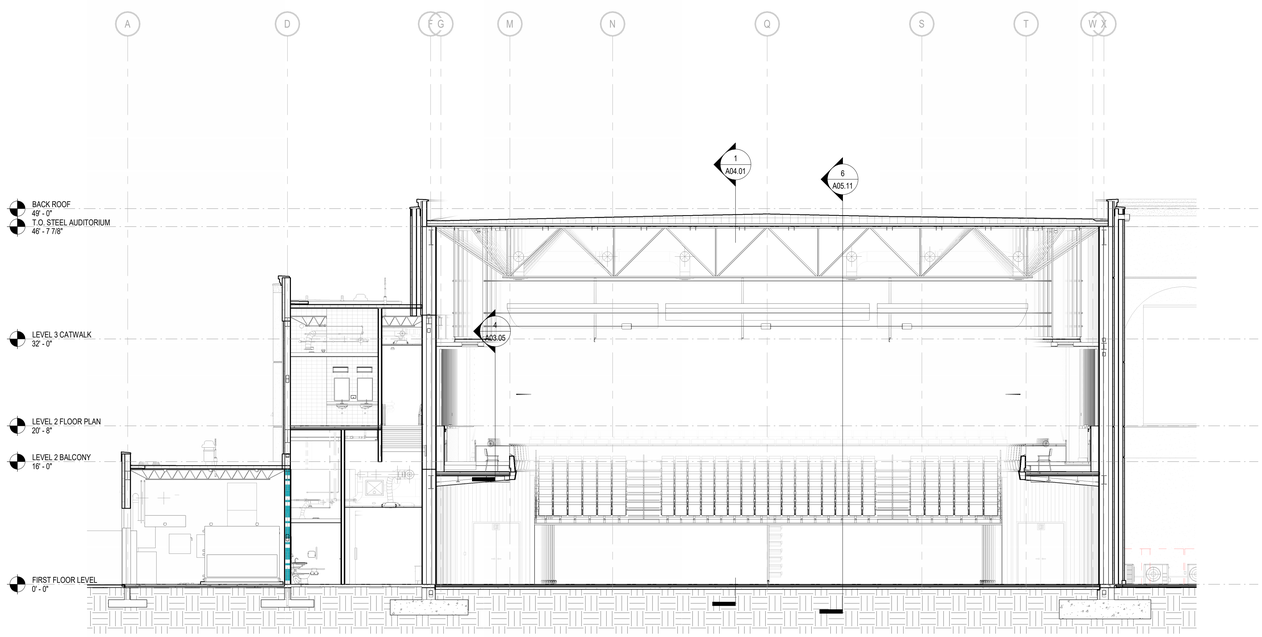


1 SECTION THROUGH AUDITORIUM 2
1/8" = 1'-0"



2 SECTION THROUGH AUDITORIUM 3
1/8" = 1'-0"

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JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
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OVERALL BUILDING SECTIONS

DRAWING NUMBER

A04.02

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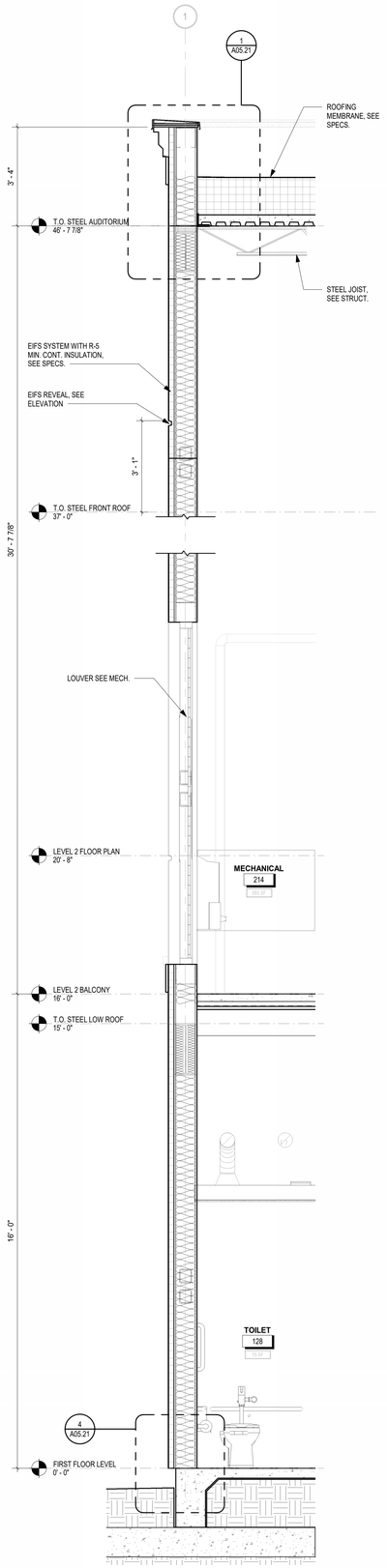
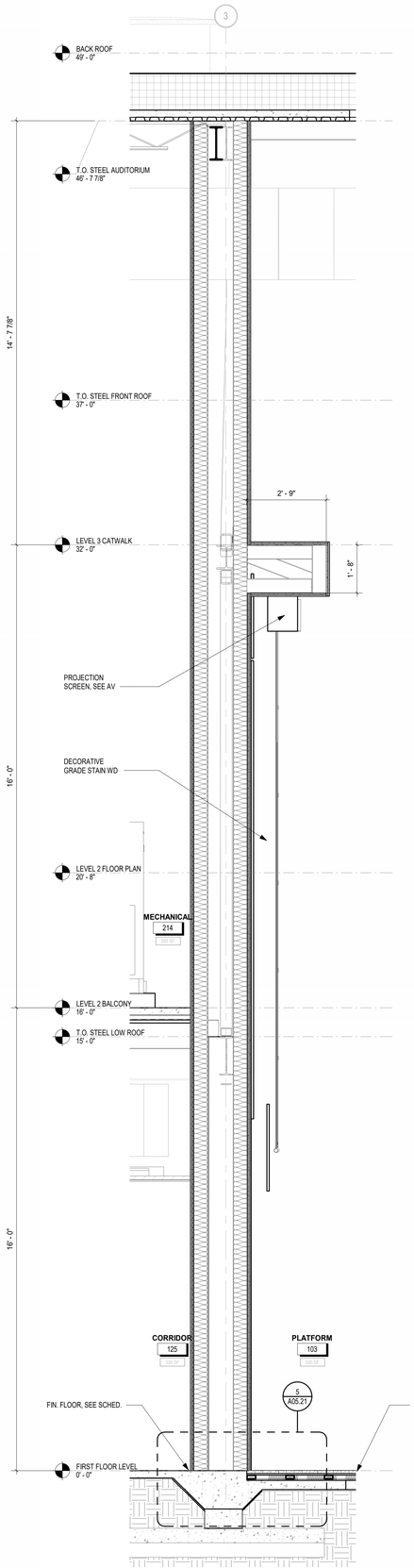
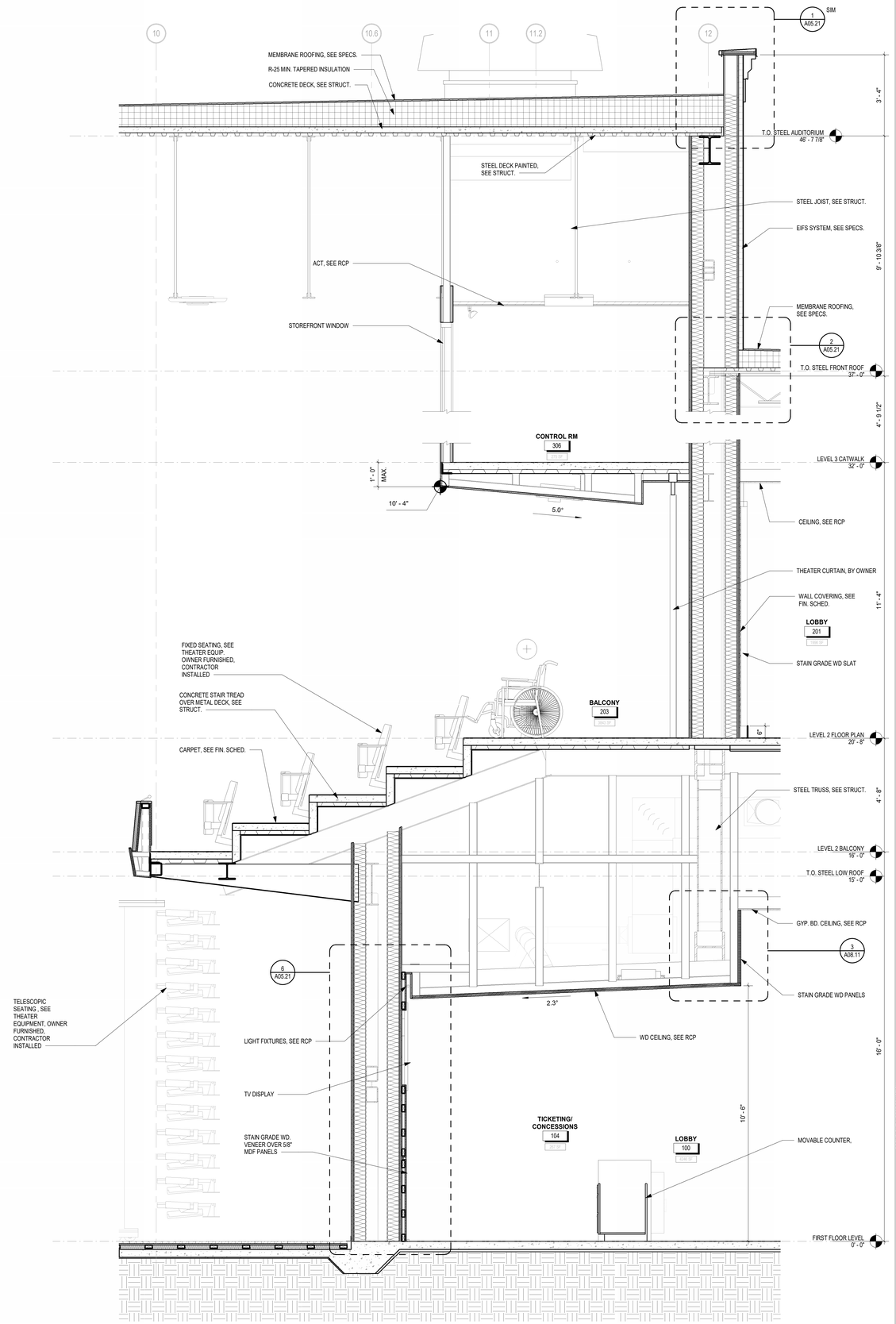


4 SECTION AUDITORIUM WEST WALL
1/2" = 1'-0"



1 SECTION AUDITORIUM UPSTAGE WALL
1/2" = 1'-0"



6 LOBBY WALL SECTION
1/2" = 1'-0"

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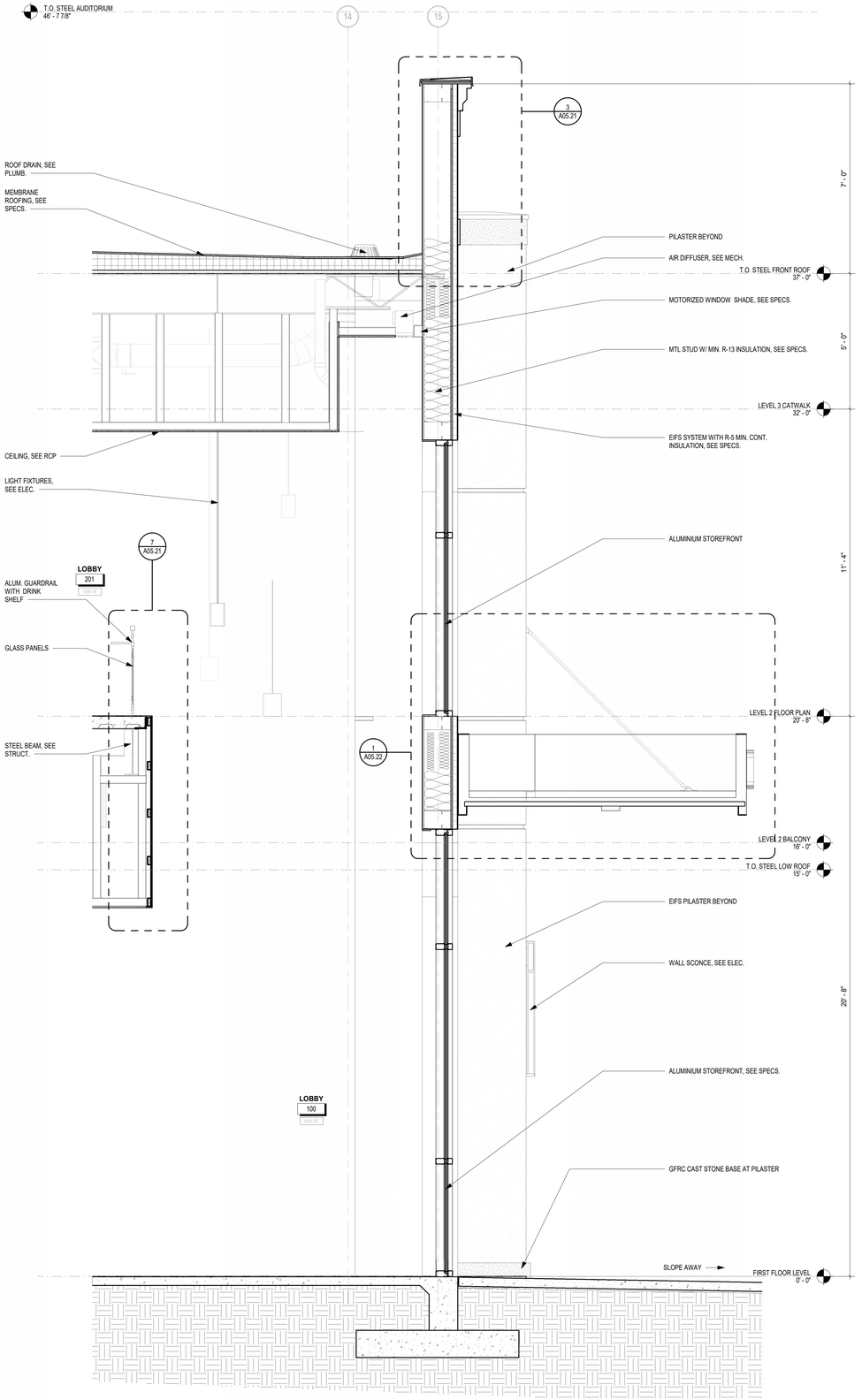
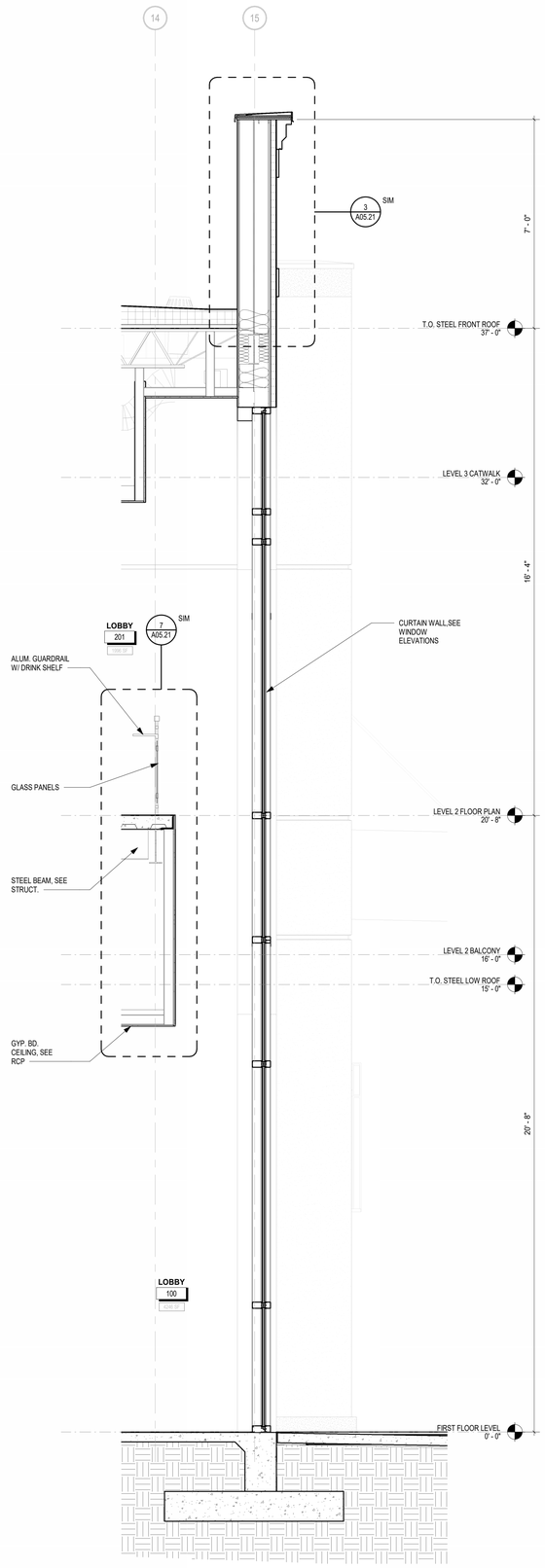
WALL SECTIONS

DRAWING NUMBER

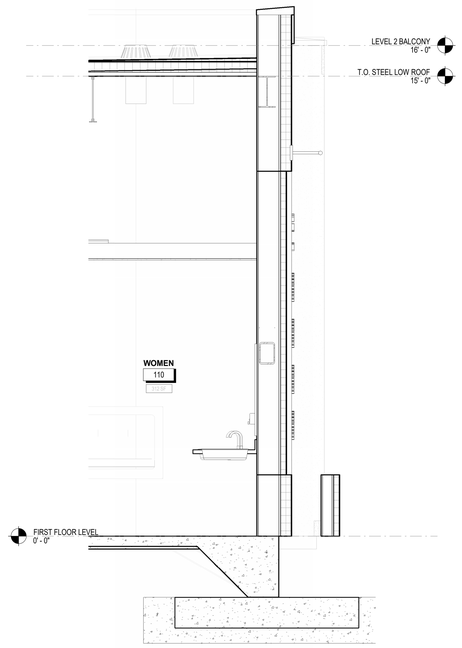
A05.11



1 WALL SECTION EAST WALL
1/2" = 1'-0"



2 WALL SECTION EAST WALL 2
1/2" = 1'-0"



3 WALL SECTION EXTERIOR DONOR WALL
1/2" = 1'-0"

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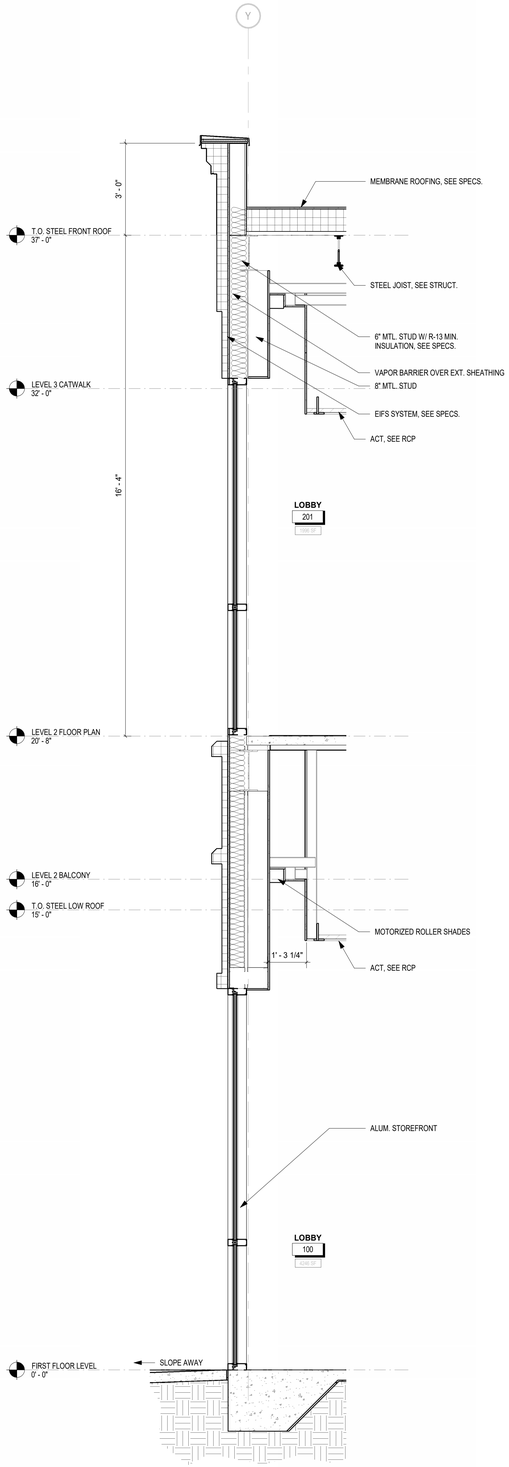
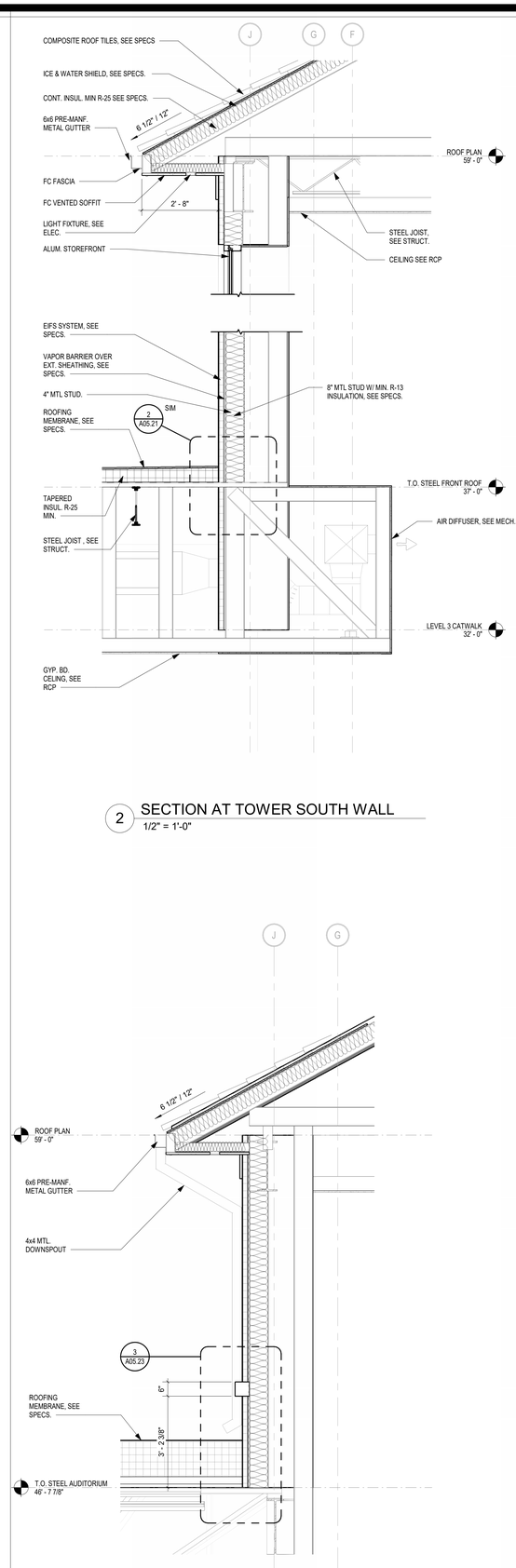
WALL SECTIONS

DRAWING NUMBER

A05.12

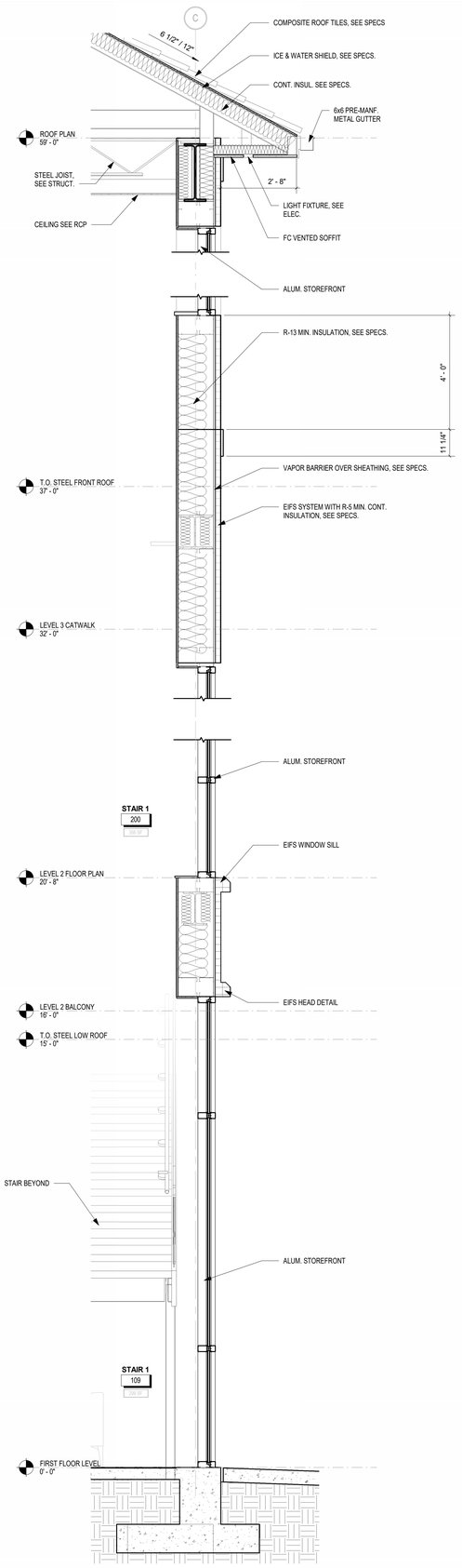


1 SOUTH LOBBY WALL SECTION
1/2" = 1'-0"

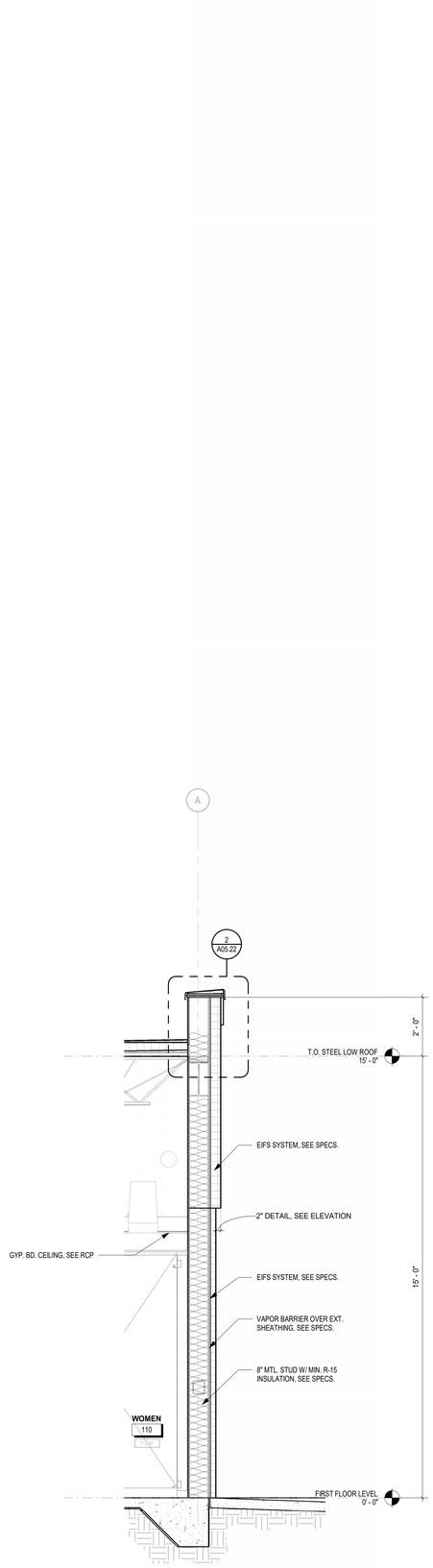


2 SECTION AT TOWER SOUTH WALL
1/2" = 1'-0"

4 SECTION AT TOWER SOUTH WALL - AUDITORIUM ROOF
1/2" = 1'-0"



5 SECTION AT TOWER NORTH WALL
1/2" = 1'-0"



3 SECTION NORTH ARCHED DETAIL WALL
1/2" = 1'-0"

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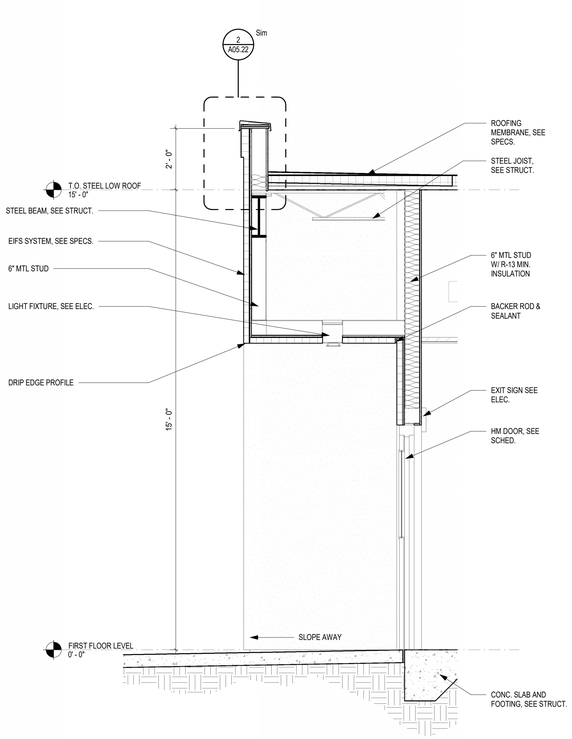
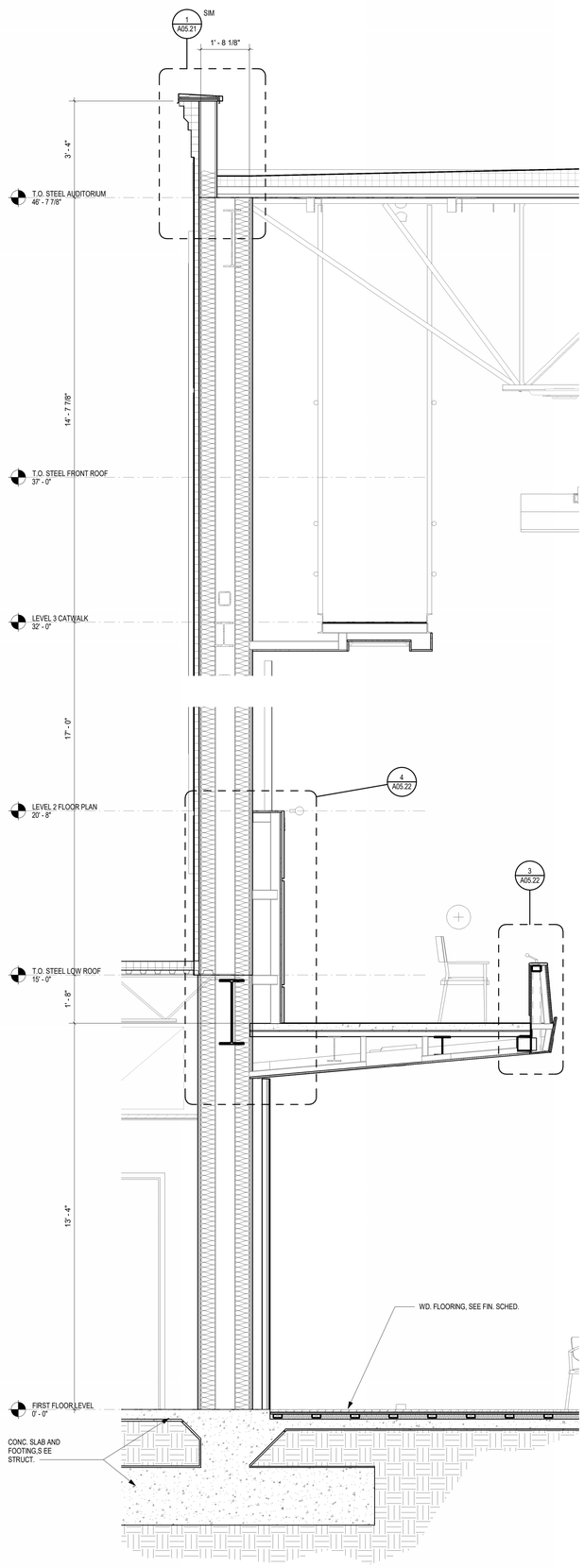
WALL SECTIONS

DRAWING NUMBER

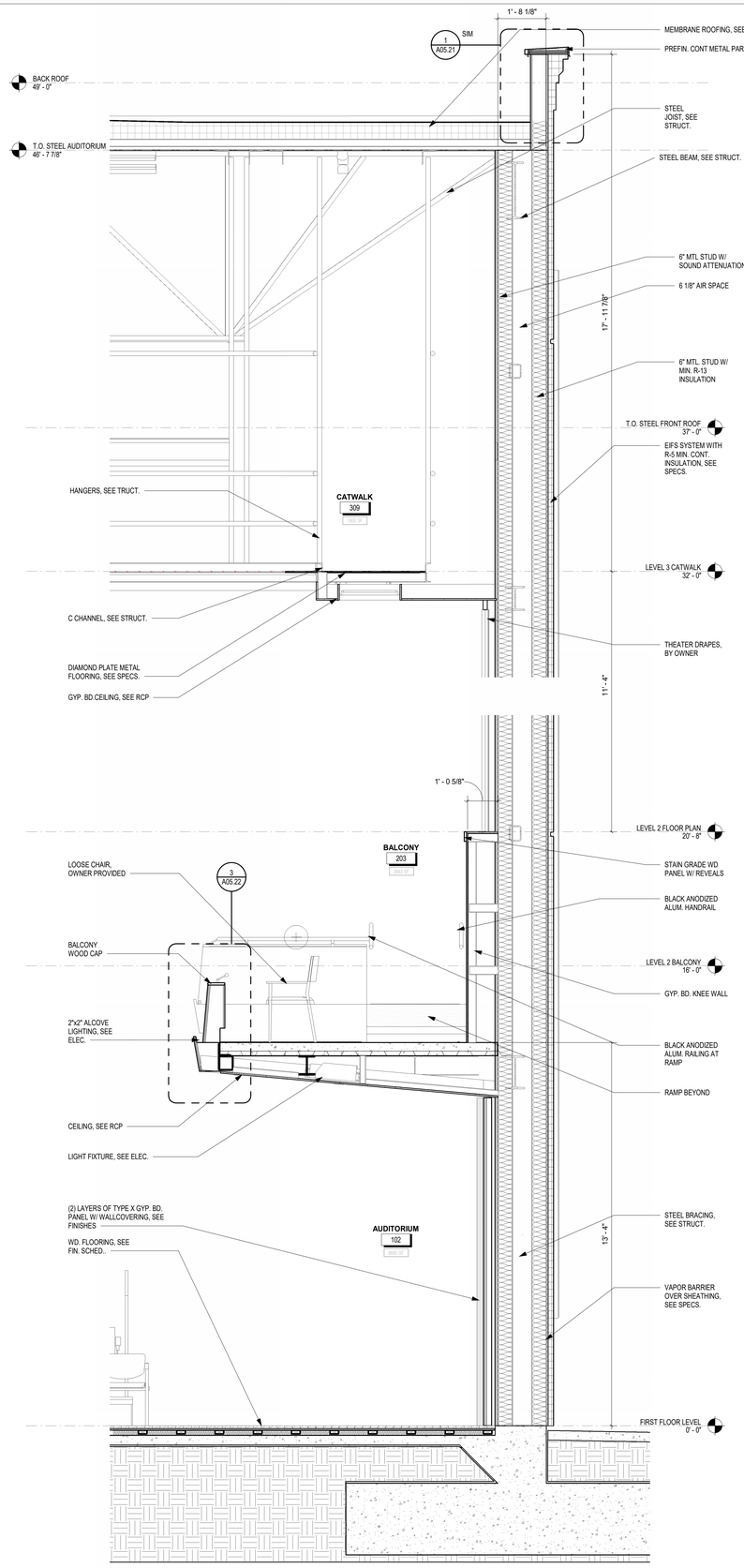
A05.13



1 NORTH WALL SECTION AT BACK OF HOUSE EXIT
1/2" = 1'-0"



2 NORTH WALL SECTION AUDITORIUM
1/2" = 1'-0"



3 SOUTH WALL SECTION AUDITORIUM
1/2" = 1'-0"

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WALL SECTIONS

DRAWING NUMBER

A05.14

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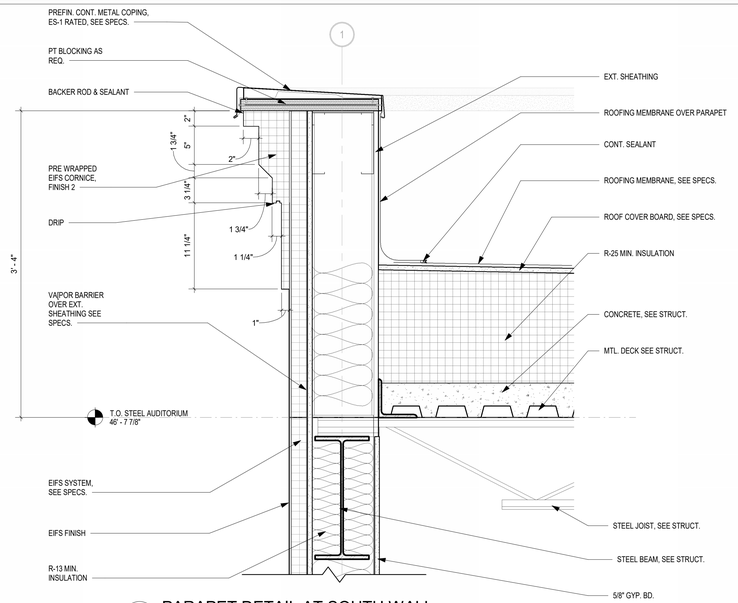
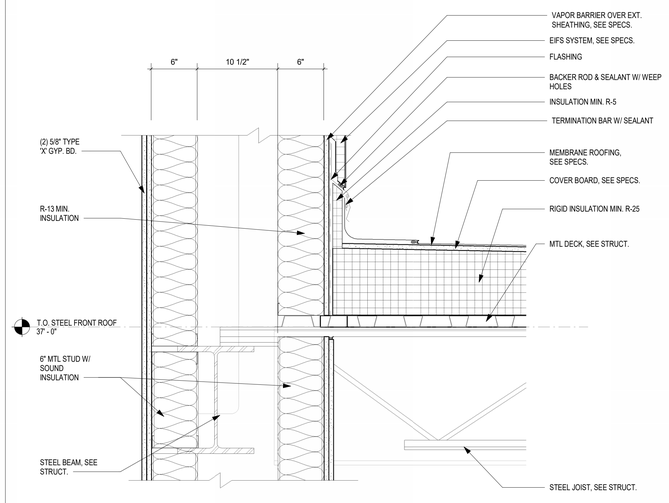
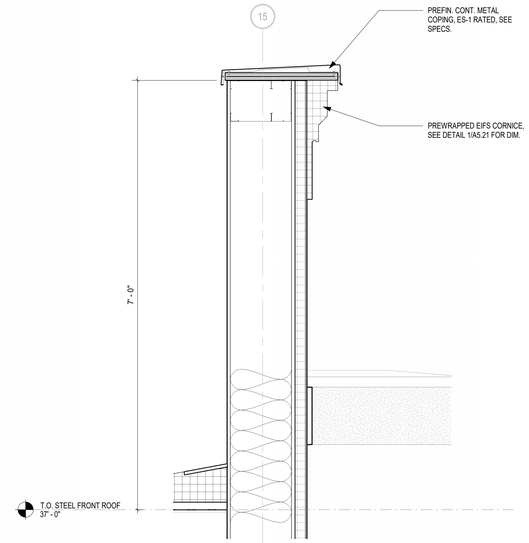


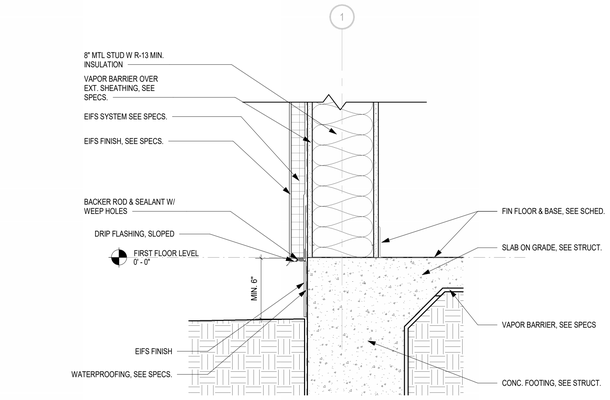
1 PARAPET DETAIL AT SOUTH WALL
1 1/2" = 1'-0"



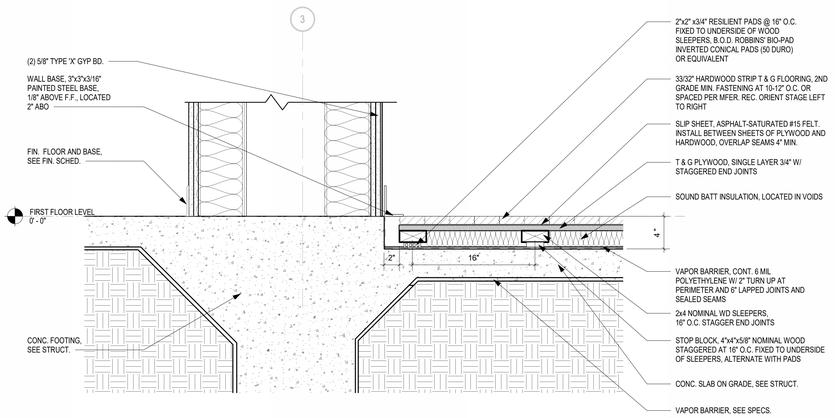
2 LOBBY ROOF SECTION DETAIL
1 1/2" = 1'-0"



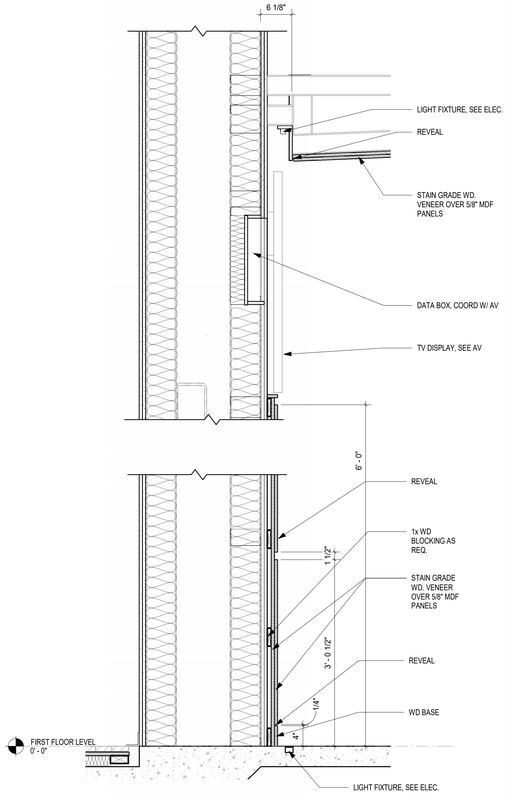
3 EAST WALL PARAPET DETAIL
1" = 1'-0"



4 SECTION FOOTING DETAIL
1 1/2" = 1'-0"



5 AUDITORIUM UPSTAGE WALL FLOORING DETAIL
1 1/2" = 1'-0"



6 LOBBY WALL SECTION DETAIL
1" = 1'-0"

7 GUARDRAIL DETAIL AT BALCONY DETAIL
1 1/2" = 1'-0"

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ENLARGED SECTIONS AND DETAILS

DRAWING NUMBER

A05.21

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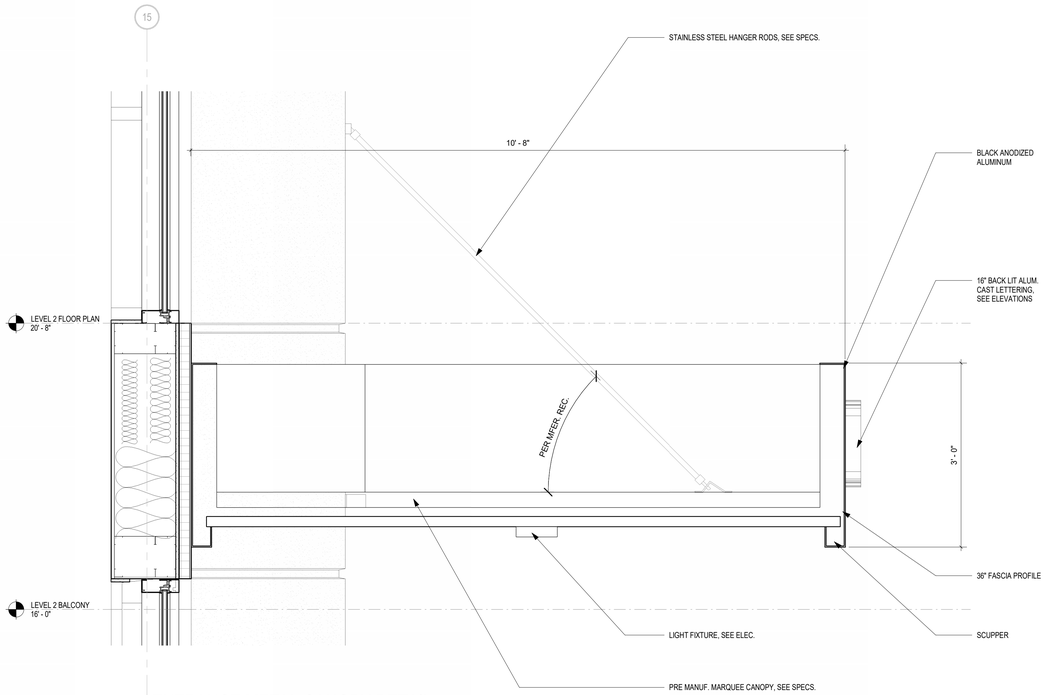
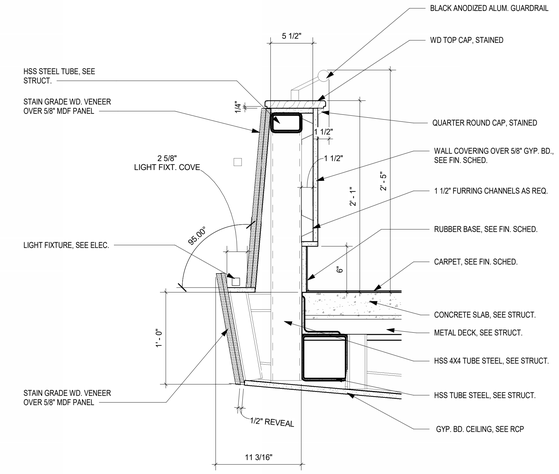
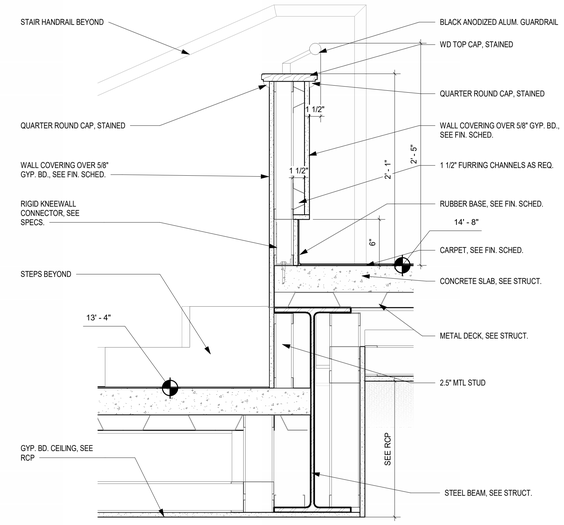


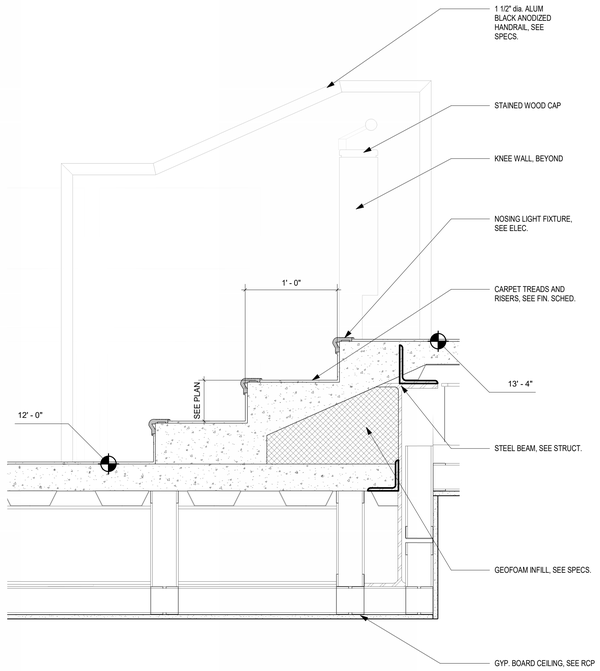
1 ENTRANCE METAL CANOPY DETAIL
1" = 1'-0"



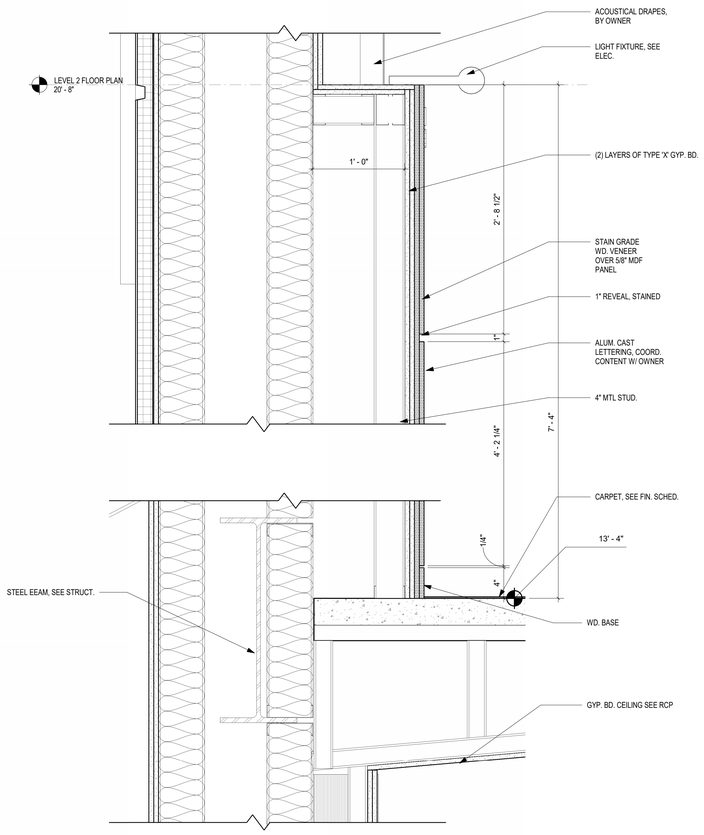
3 TYPICAL BALCONY WALL DETAIL SECTION
1 1/2" = 1'-0"



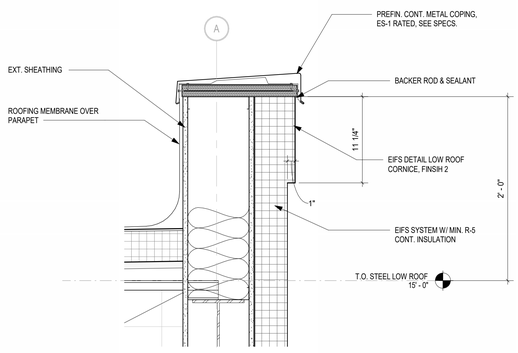
6 TYPICAL KNEEWALL AT BALCONY RETURN
1 1/2" = 1'-0"



5 BALCONY STEPS DETAIL SECTION
1 1/2" = 1'-0"



4 BACK BALCONY KNEE WALL DETAIL
1 1/2" = 1'-0"



2 LOW ROOF PARAPET DETAIL SECTION
1 1/2" = 1'-0"

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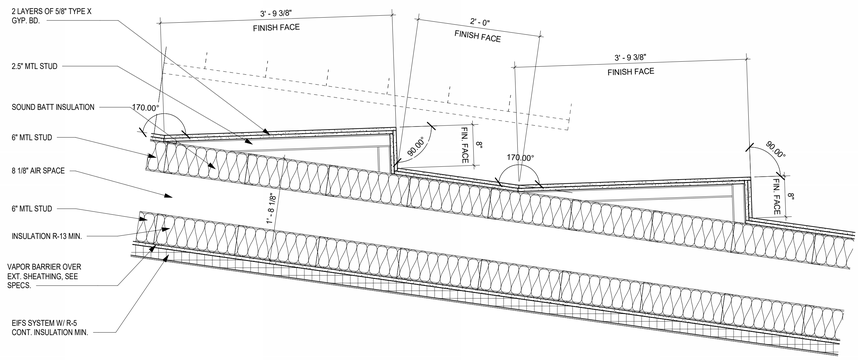
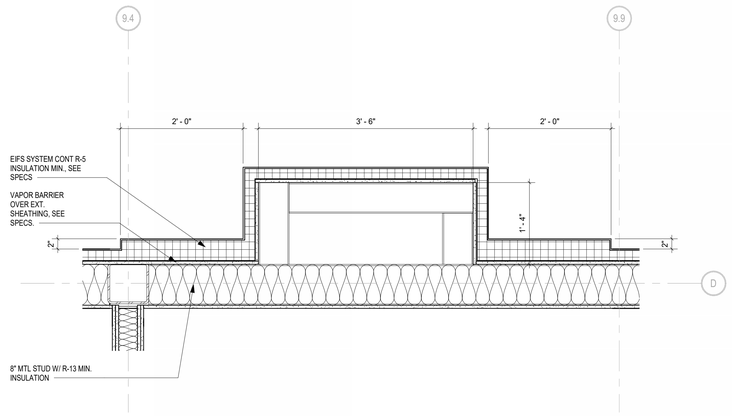
ENLARGED SECTIONS AND DETAILS

DRAWING NUMBER

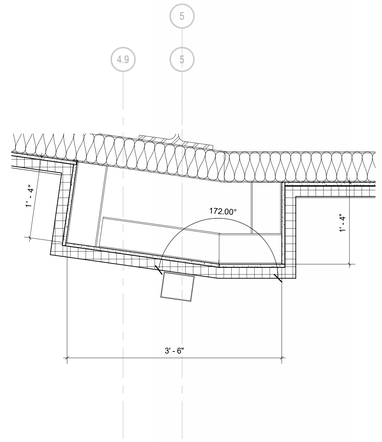
A05.22



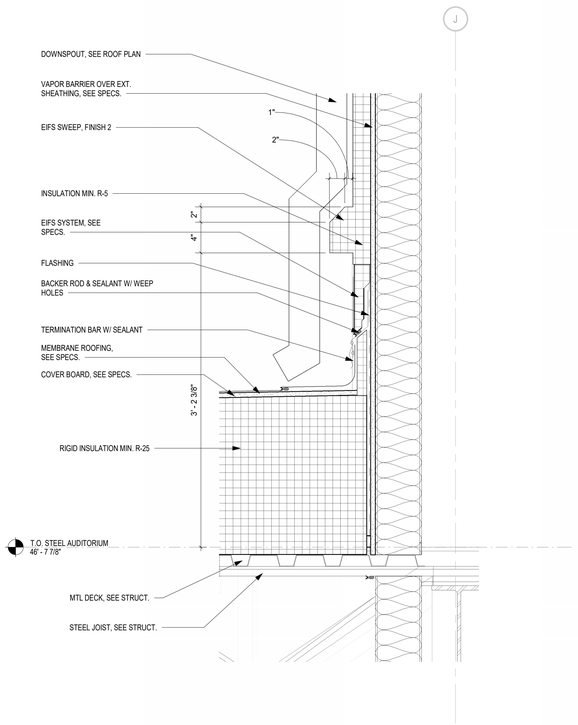
1 TYP. SOUND PANELS FIRST FLOOR AUDITORIUM DETAIL
1" = 1'-0"



2 TYPICAL PILASTER DETAIL
1" = 1'-0"



4 ANGLE PILASTER DETAIL
1" = 1'-0"



3 TOWER DOWNSPOUT DETAIL
1 1/2" = 1'-0"

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REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

ENLARGED SECTIONS AND DETAILS

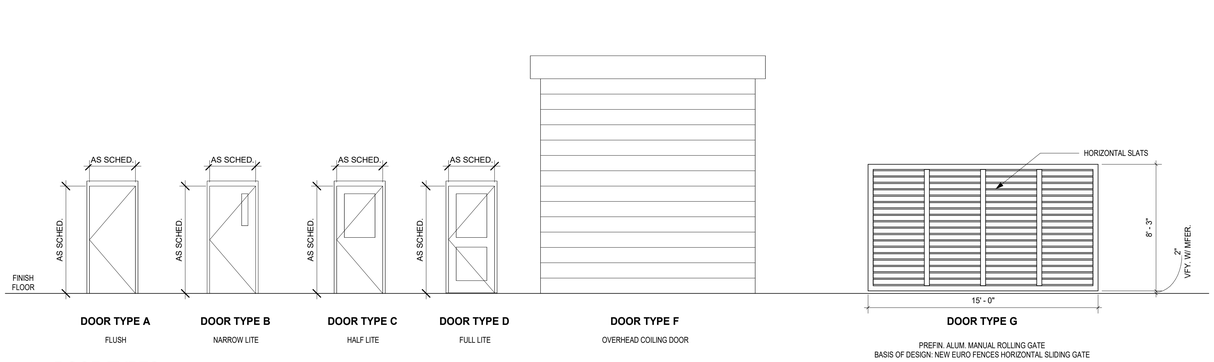
DRAWING NUMBER

A05.23

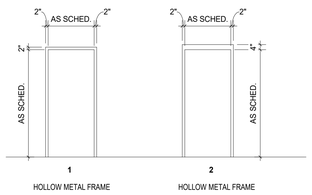
GMP SUBMITTAL - NOT FOR CONSTRUCTION

DOOR SCHEDULE

MARK	DOOR WIDTH	DOOR HT	DOOR TYPE	DOOR THK	DOOR MAT	FRAME TYPE	FRAME MAT	FRAME HEAD	FRAME JAMB	FRAME SILL	FINISH DOOR	FINISH FRAME	FIRE RATING	REMARKS
FIRST FLOOR LEVEL														
100A	6' - 0"	10' - 0"	STRFNT		ALUM		STRFNT	H-2	J-2	S-5	ANOD	ANOD		ACCESS CONTROL
100B	6' - 0"	10' - 0"	STRFNT		ALUM		STRFNT	H-2	J-2	S-5	ANOD	ANOD		ACCESS CONTROL
100C	6' - 0"	10' - 0"	STRFNT		ALUM		STRFNT	H-2	J-2	S-5	ANOD	ANOD		ACCESS CONTROL
101A	6' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-3	J-3	S-1	STAIN	P	20m	ACCESS CONTROL
101B	6' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-6	STAIN	P		
102A	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-3	J-3	S-6	STAIN	P	20m	ACCESS CONTROL
102B	8' - 0"	9' - 0"	A	0' - 1 3/4"	WD	1	HM	H-3	J-3	S-6	STAIN	P	20m	ACCESS CONTROL
102C	6' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-3	J-3	S-6	STAIN	P		
102D	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-3	J-3	S-6	STAIN	P		
105A	6' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-3	J-3	S-1	STAIN	P	20m	ACCESS CONTROL
105B	6' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-6	STAIN	P		
106	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1	S-7	STAIN	P		
108A	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1		STAIN	P	1HR	
108B	3' - 0"	7' - 0"	A	0' - 1 3/4"	HM	1	HM	H-5	J-5	S-2	P	P		ACCESS CONTROL
110	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-4	STAIN	P		
111	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-4	STAIN	P		
112	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-4	STAIN	P		
113	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-4	STAIN	P		
114	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1	S-1	STAIN	P		
115	8' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1	S-8	STAIN	P		
116A	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1	S-3	STAIN	P	--	
116B	3' - 0"	7' - 0"	C	0' - 1 3/4"	HM	1	HM	H-6	J-6	S-2	P	P	--	ACCESS CONTROL
117	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1	S-7	STAIN	P	--	
118	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1	S-7	STAIN	P	--	ACCESS CONTROL
119	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-1	STAIN	P	--	
120	8' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1	S-7	STAIN	P	--	ACCESS CONTROL
121A	8' - 0"	7' - 0"	A	0' - 1 3/4"	HM	1	HM	H-1	J-1	S-7	P	P	--	
121B	8' - 0"	7' - 0"	A	0' - 1 3/4"	HM	1	HM	H-7	J-6	S-2	P	P	--	ACCESS CONTROL
122	8' - 0"	7' - 0"	A	0' - 1 3/4"	HM	1	HM	H-1	J-1	S-7	P	P	--	
123	8' - 0"	7' - 0"	A	0' - 1 3/4"	HM	1	HM	H-1	J-1	S-7	P	P	--	
124A	6' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-7	STAIN	P	20m	ACCESS CONTROL
124B	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-7	STAIN	P	20m	ACCESS CONTROL
126	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1	S-8	STAIN	P	--	
127	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-9	STAIN	P	--	
128	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-9	STAIN	P	--	
129	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1	S-8	STAIN	P	--	
130A	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-7	STAIN	P	20m	
130B	3' - 0"	7' - 0"	A	0' - 1 3/4"	HM	1	HM	H-7	J-6	S-2	P	P		ACCESS CONTROL
131	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-9	STAIN	P	20m	
132	6' - 0"	7' - 0"	A	0' - 1 3/4"	HM	1	HM	H-8	J-6	S-2	P	P		
133	3' - 0"	7' - 0"	A	0' - 1 3/4"	HM	1	HM	H-8	J-6	S-2	P	P		
LEVEL 2 BALCONY														
203C	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-3	J-3	S-7	STAIN	P		
207	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-1	STAIN	P	20m	ACCESS CONTROL
208B	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1		STAIN	P	1HR	
212	3' - 0"	7' - 0"	A	0' - 1 3/4"	HM	1	HM	H-9	J-6		P	P		
214	8' - 0"	8' - 0"	A	0' - 1 3/4"	HM	1	HM	H-9	J-6		P	P		
LEVEL 2 FLOOR PLAN														
202	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-1	STAIN	P	20m	ACCESS CONTROL
203A	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-3	J-3	S-7	STAIN	P		
203B	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-3	J-3	S-7	STAIN	P		
204	3' - 0"	8' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-1	STAIN	P	20m	ACCESS CONTROL
208A	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1		STAIN	P	1HR	
209	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-4	STAIN	P	--	
210	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-4	STAIN	P	--	
211	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-4	STAIN	P	--	
LEVEL 3 CATWALK														
300	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4		STAIN	P	--	
301	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1		STAIN	P	1HR	
303	3' - 0"	7' - 0"	A	0' - 1 3/4"	HM	1	HM	H-7	J-6		P	P		
304	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-1	J-1	S-1	STAIN	P	--	ACCESS CONTROL
305	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-3	J-3	S-7	STAIN	P	20m	ACCESS CONTROL
306	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-7	STAIN	P	--	
307	3' - 0"	7' - 0"	A	0' - 1 3/4"	WD	1	HM	H-4	J-4	S-1	STAIN	P	--	



DOOR TYPES
1/4" = 1'-0"



FRAME TYPES
1/4" = 1'-0"

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

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BRUNSWICK, GA 31520

DOOR SCHEDULE

DRAWING NUMBER

A06.11

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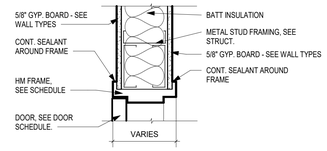
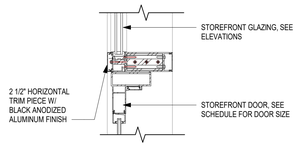


H-1



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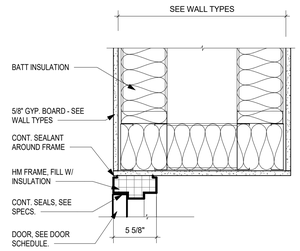

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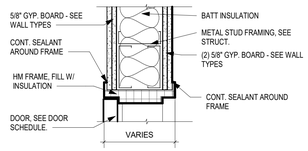

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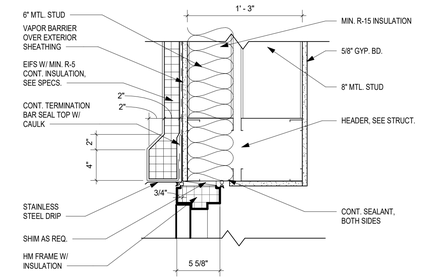
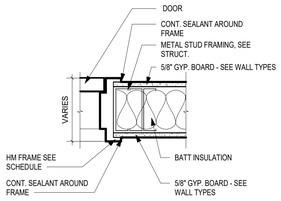
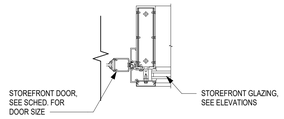


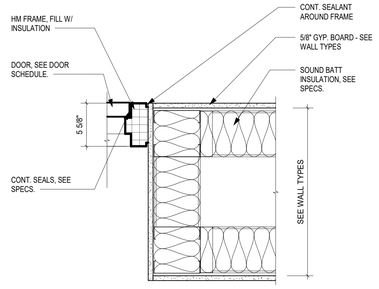
H-5



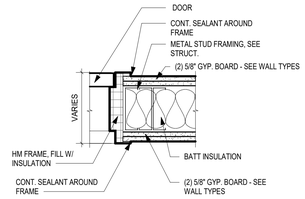
J-1



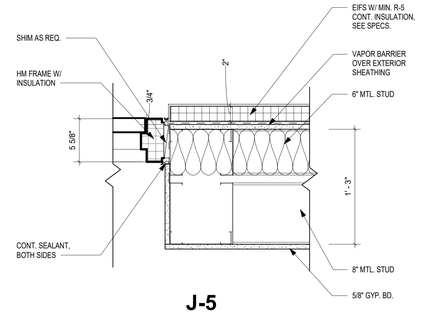
J-2



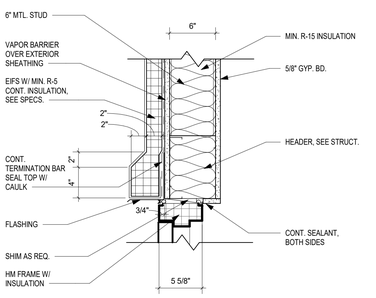
J-3



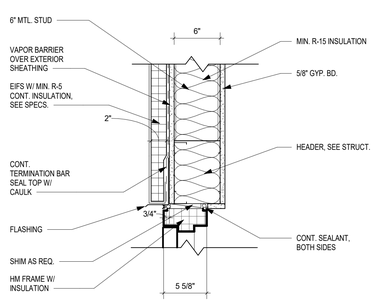
J-4



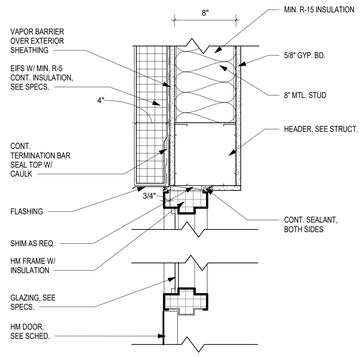
J-5



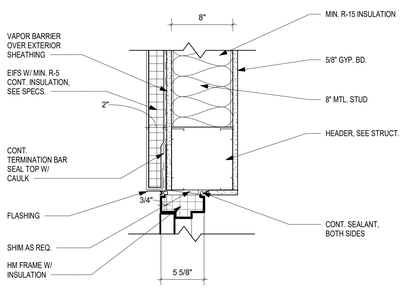
H-6



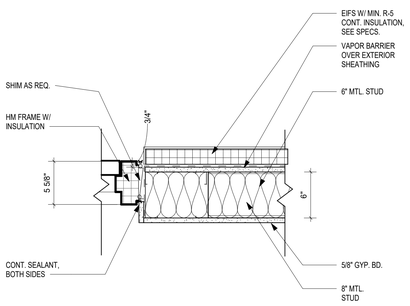
H-7



H-8



H-9



J-6

GMP SUBMITTAL - NOT FOR CONSTRUCTION

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

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Designer	Author	Checker

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JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
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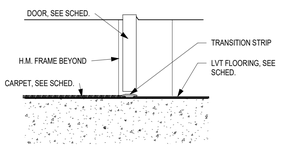
BRUNSWICK, GA 31520

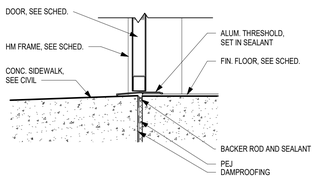
DOOR DETAILS

DRAWING NUMBER

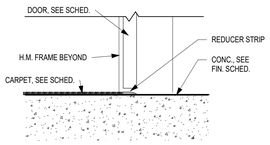
A06.12



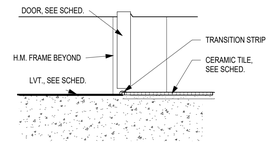
S-1
CARPET TO LVT



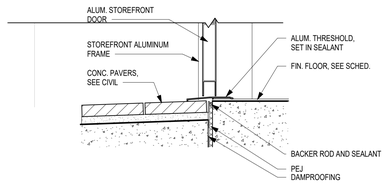
S-2
FIN. FLR. TO EXTERIOR



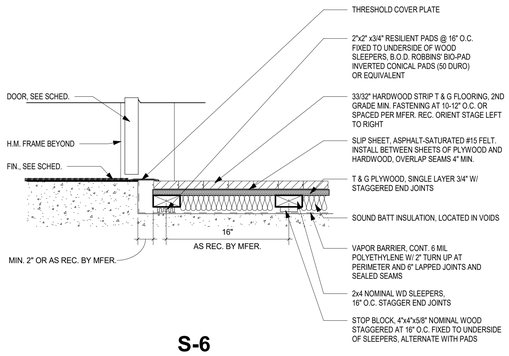
S-3
CARPET TO CONC.



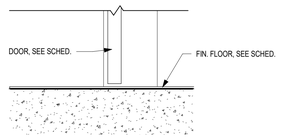
S-4
LVT TO TILE



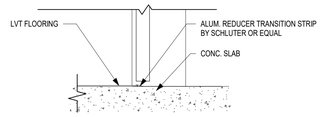
S-5
FIN. FLR. TO EXTERIOR



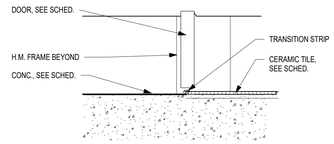
S-6
FIN. FLOOR TO WOOD



S-7
CONT. FLOORING



S-8
LVT TO CONC.



S-9
TILE TO CONC.

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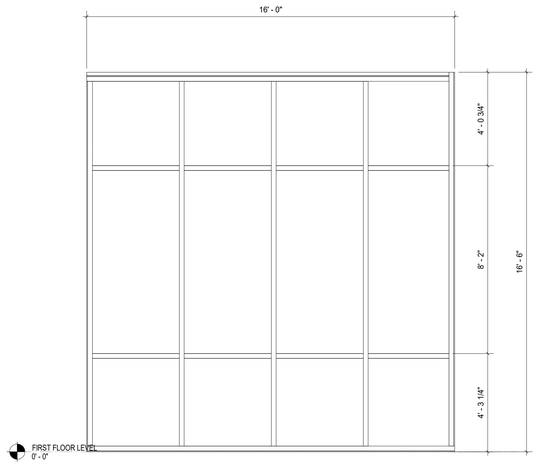
DOOR DETAILS

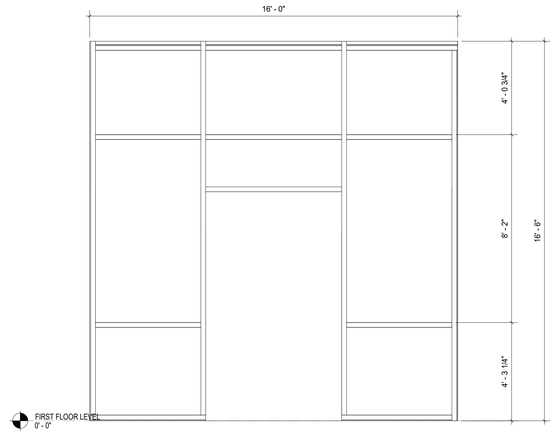
DRAWING NUMBER

A06.13

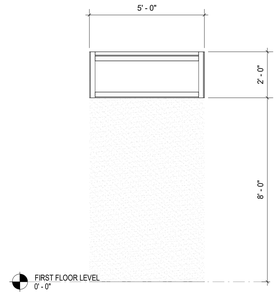
GMP SUBMITTAL - NOT FOR CONSTRUCTION



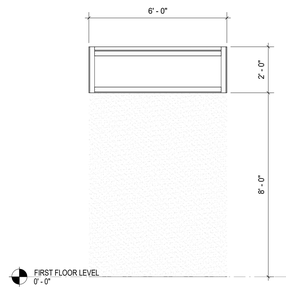
SF-1 STOREFROT SF-1
3/8" = 1'-0"



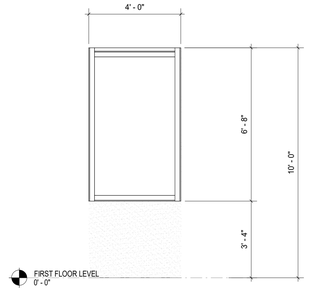
SF-2 STOREFRONT SF-2
3/8" = 1'-0"



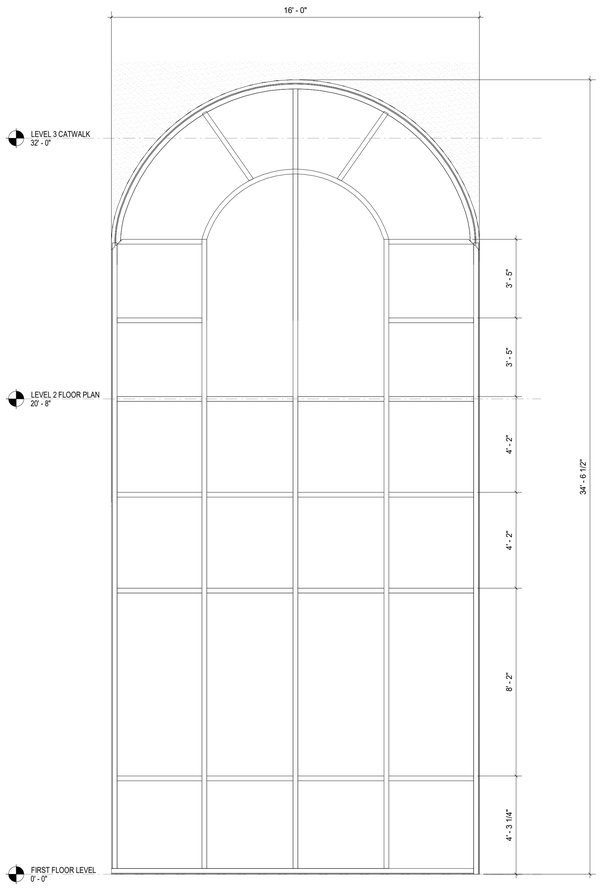
SF-3 STOREFRONT SF-3
3/8" = 1'-0"



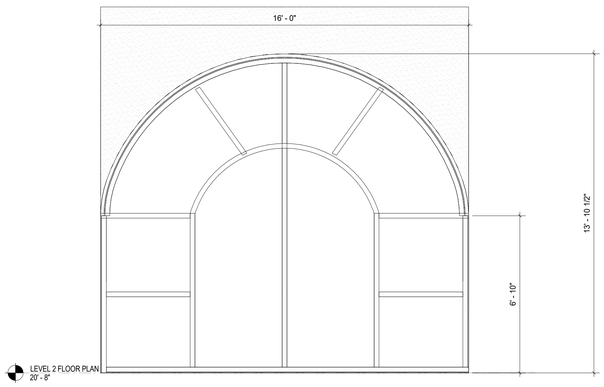
SF-4 STOREFRONT SF-4
3/8" = 1'-0"



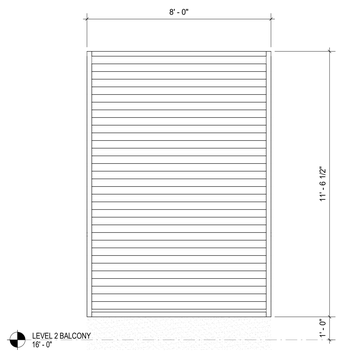
SF-5 STOREFRONT SF-5
3/8" = 1'-0"



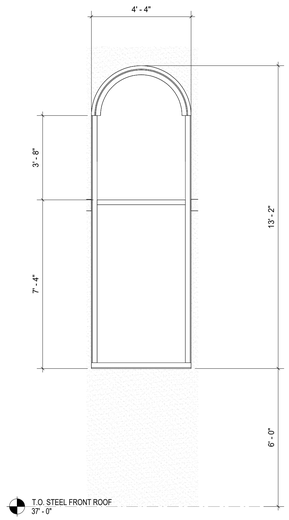
CW-1 CURTAIN WALL CW-1
3/8" = 1'-0"



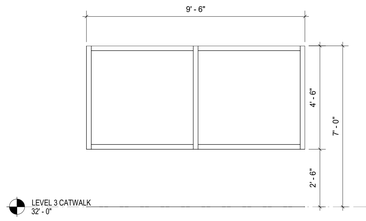
SF-6 STOREFRONT SF-6
3/8" = 1'-0"



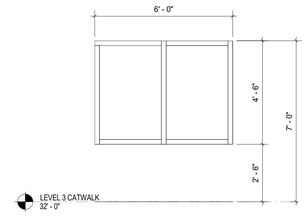
LV-1 LOUVER ELEVATION LV-1
3/8" = 1'-0"



SF-9 STOREFRONT SF-9
3/8" = 1'-0"



SF-8 STOREFRONT SF-8
3/8" = 1'-0"



SF-7 STOREFRONT SF-7
3/8" = 1'-0"

HUSSEY GAY BELL
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REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

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JOB NO. 222300701

SCALE: AS NOTED

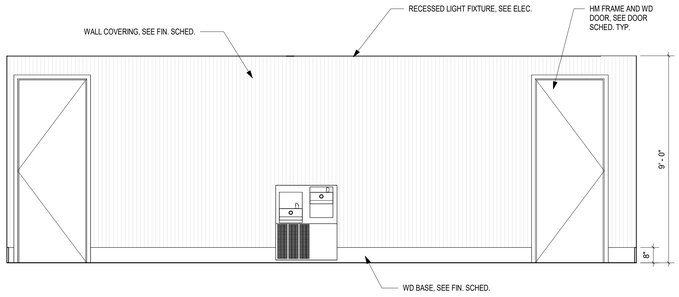
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

WINDOW TYPES

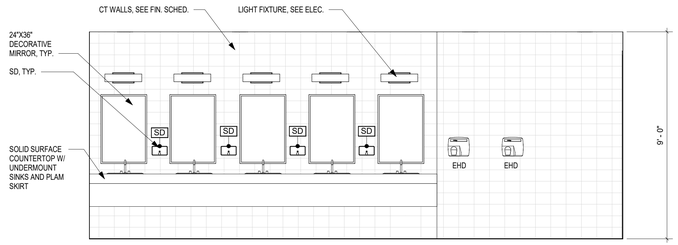
DRAWING NUMBER

A06.21

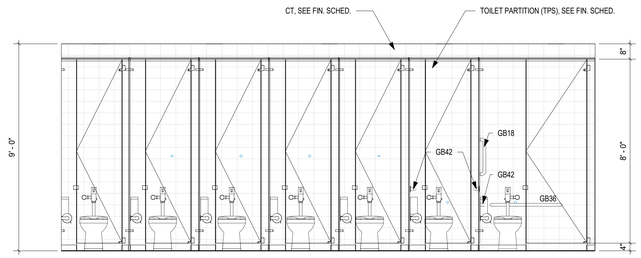
GMP SUBMITTAL - NOT FOR CONSTRUCTION



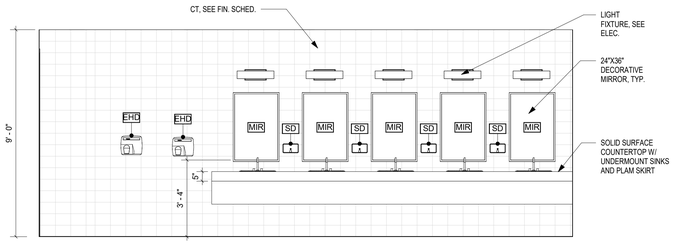
1 LEVEL 01 - RESTROOM ENTRY
3/8" = 1'-0"



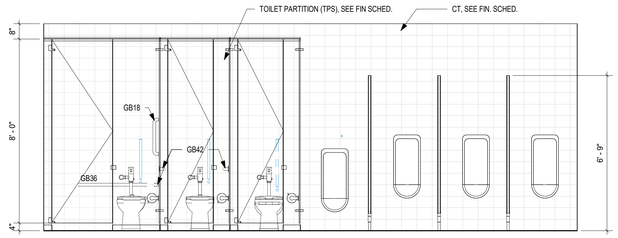
2 WOMENS RESTROOM 110 - EAST ELEVATION
3/8" = 1'-0"



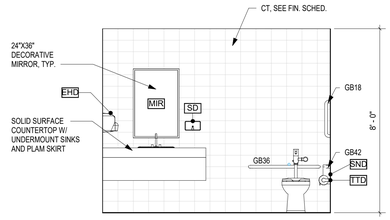
3 WOMENS RESTROOM 110 - WEST ELEVATION
3/8" = 1'-0"



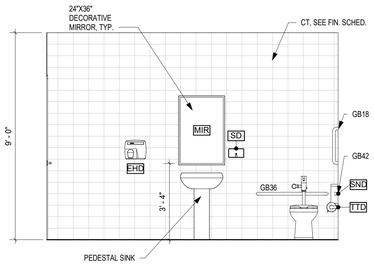
4 MENS RESTROOM 111 - WEST ELEVATION
3/8" = 1'-0"



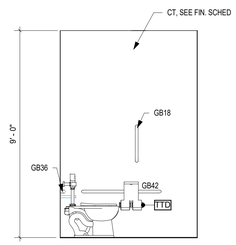
5 MENS RESTROOM 111 - EAST ELEVATION
3/8" = 1'-0"



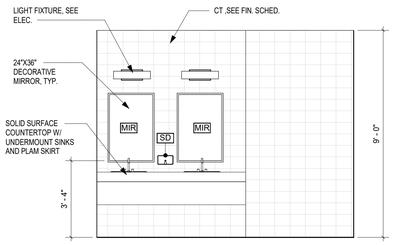
6 FAMILY WC 112 - NORTH
3/8" = 1'-0"



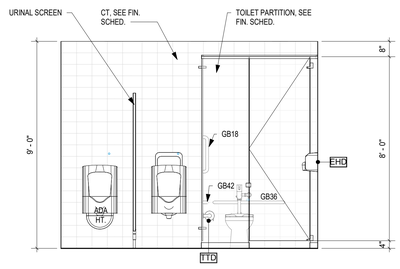
7 TOILET 127/128 - NORTH/SOUTH
3/8" = 1'-0"



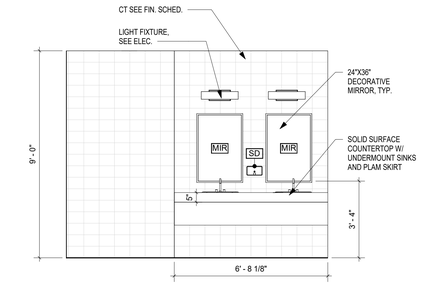
8 TOILET 127/128 - WEST ELEVATION
3/8" = 1'-0"



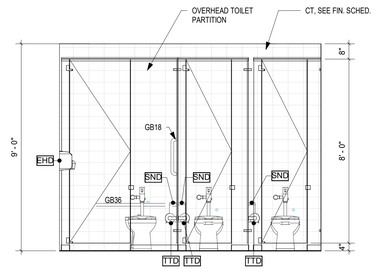
9 MENS RESTROOM 210 - WEST ELEVATION
3/8" = 1'-0"



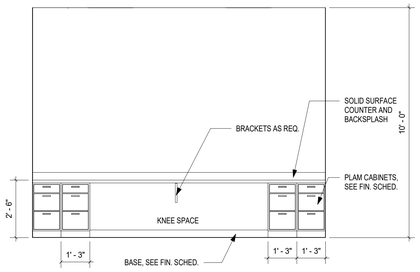
10 MENS RESTROOM 210 - EAST ELEVATION
3/8" = 1'-0"



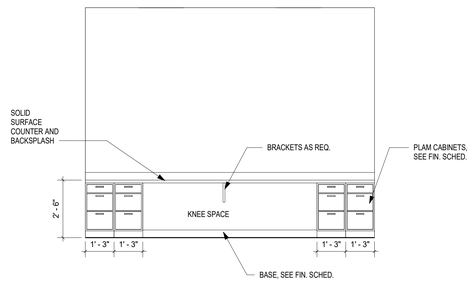
11 WOMENS RESTROOM 211 - ELEVATION A
3/8" = 1'-0"



12 WOMENS RESTROOM 211 - WEST ELEVATION
3/8" = 1'-0"



13 OFFICE - HOUSE MANAGER 114 -WEST ELEVATION
3/8" = 1'-0"



14 OFFICE - SECURITY/RECEIVING 117 - EAST ELEVATION
3/8" = 1'-0"

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Designer	Author	Checker

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JOB NO. 222300701

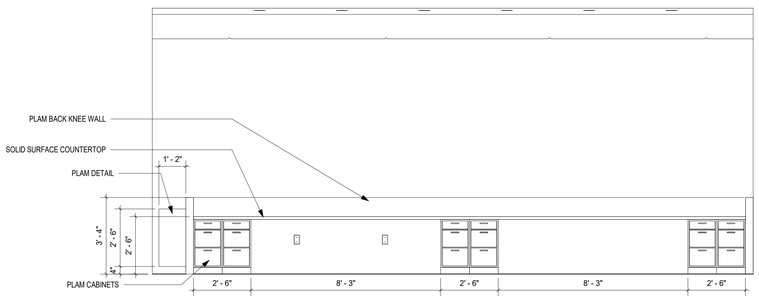
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

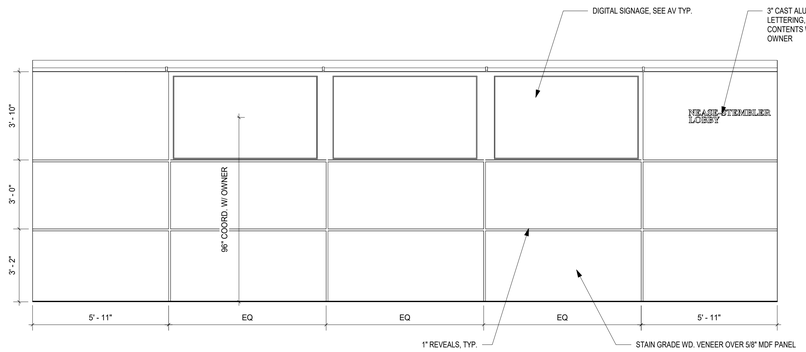
INTERIOR ELEVATIONS

DRAWING NUMBER

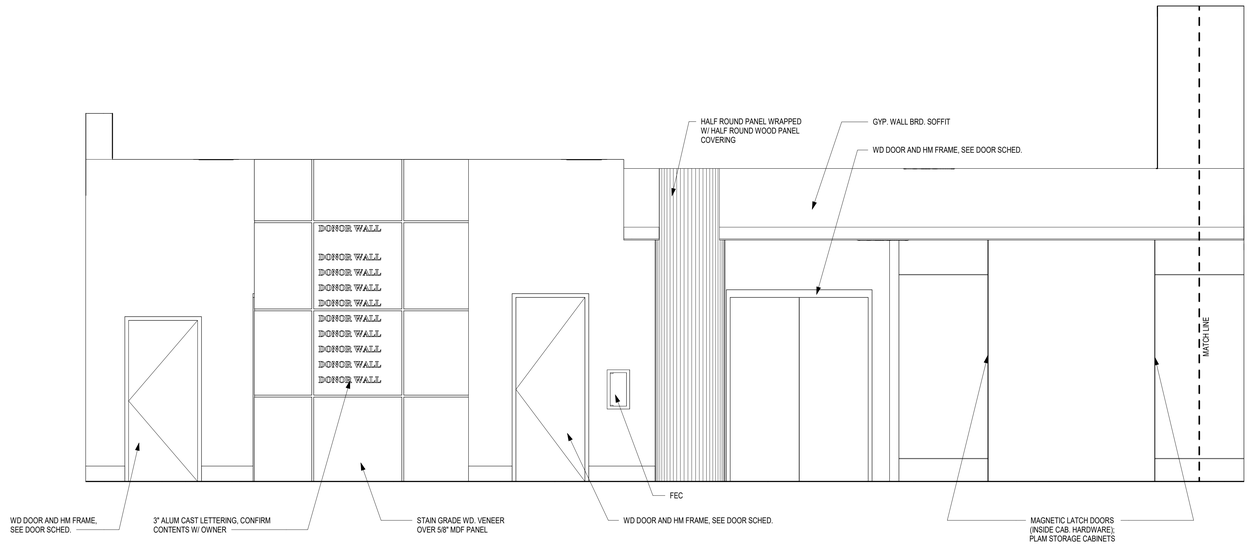
A07.11



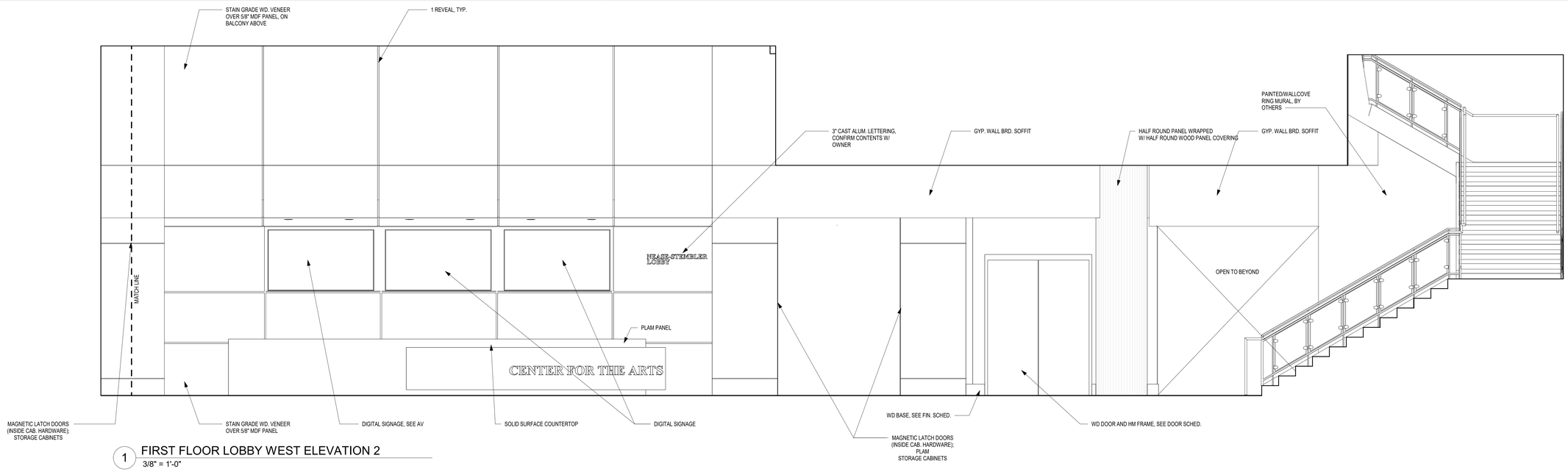
2 LOBBY DESK EAST ELEVATION
3/8" = 1'-0"



8 TICKETING/LOBBY BACKWALL ELEVATION
3/8" = 1'-0"



9 FIRST FLOOR LOBBY WEST ELEVATION 1
3/8" = 1'-0"



1 FIRST FLOOR LOBBY WEST ELEVATION 2
3/8" = 1'-0"

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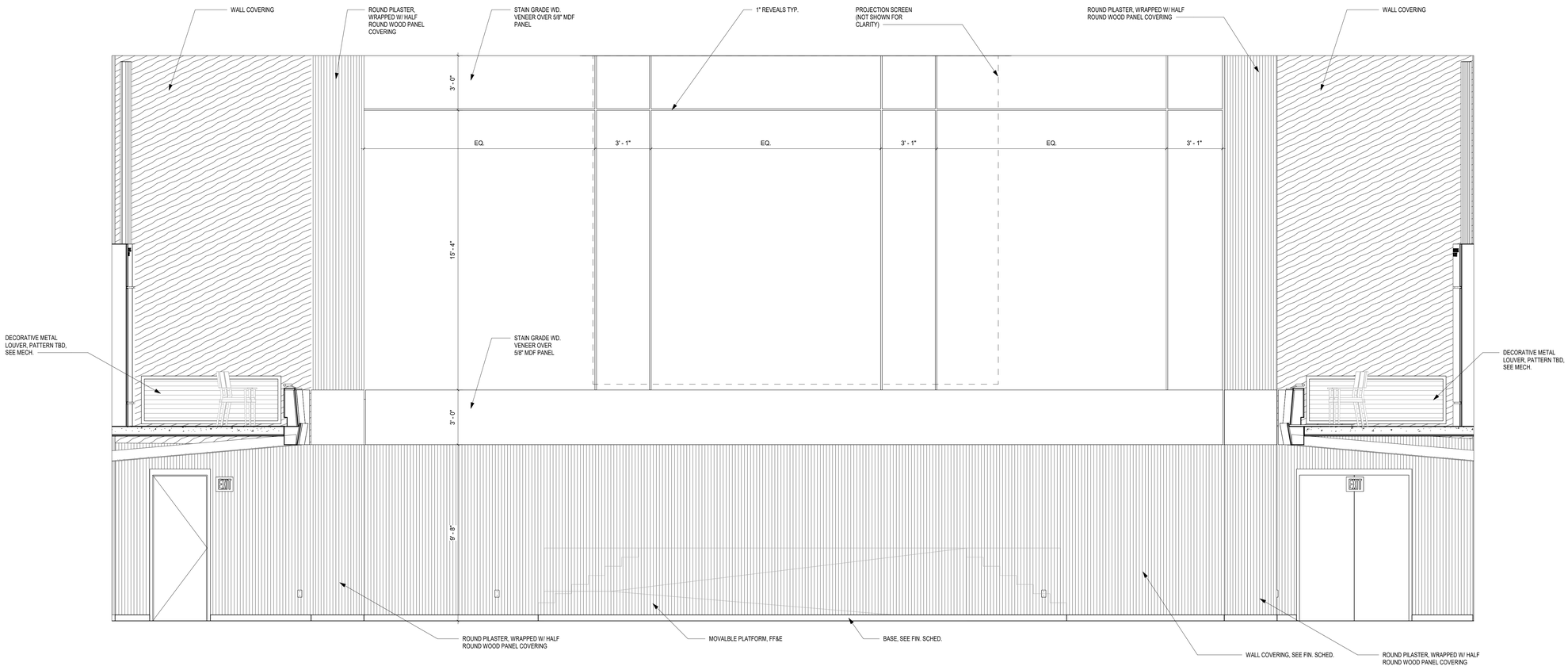
BRUNSWICK, GA 31520

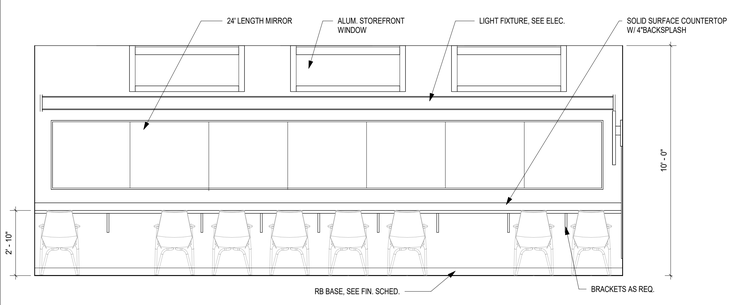
INTERIOR ELEVATIONS

DRAWING NUMBER

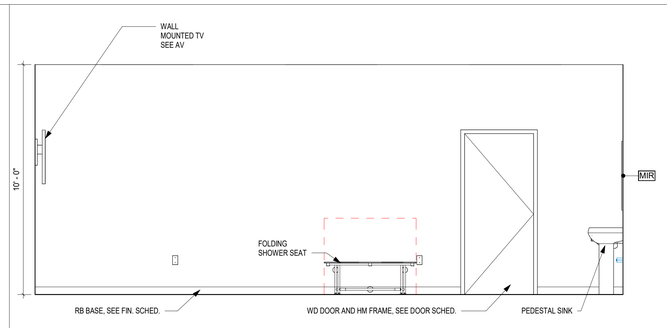
A07.12



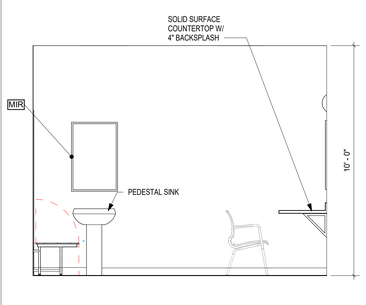
1 AUDITORIUM EAST WALL ELEVATION
3/8" = 1'-0"



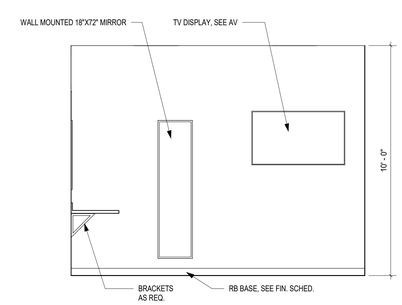
2 DRESSING ROOM 126 - WEST ELEVATION
3/8" = 1'-0"



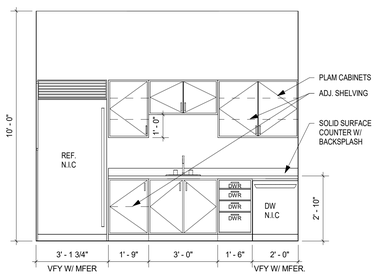
4 DRESSING ROOM 126 - EAST ELEVATION
3/8" = 1'-0"



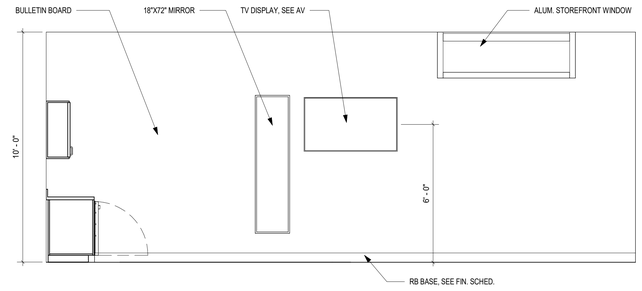
3 DRESSING ROOM 126 - SOUTH ELEVATION
3/8" = 1'-0"



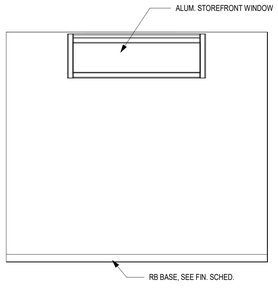
5 DRESSING ROOM 126 - NORTH ELEVATION
3/8" = 1'-0"



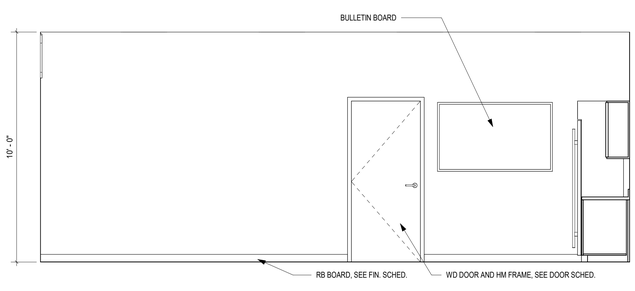
6 GREEN ROOM 119 - SOUTH ELEVATION
3/8" = 1'-0"



7 GREEN ROOM 119 - WEST ELEVATION
3/8" = 1'-0"



8 GREEN ROOM 119 - NORTH ELEVATION
3/8" = 1'-0"



9 GREEN ROOM 119 - EAST ELEVATION
3/8" = 1'-0"

HUSSEY GAY BELL
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REVISIONS:

DESIGNED	DRAWN	CHECKED
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DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

INTERIOR ELEVATIONS

DRAWING NUMBER

A07.13

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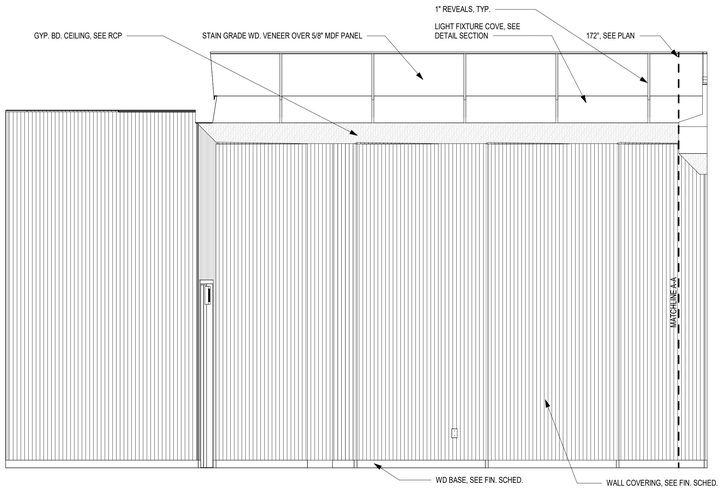
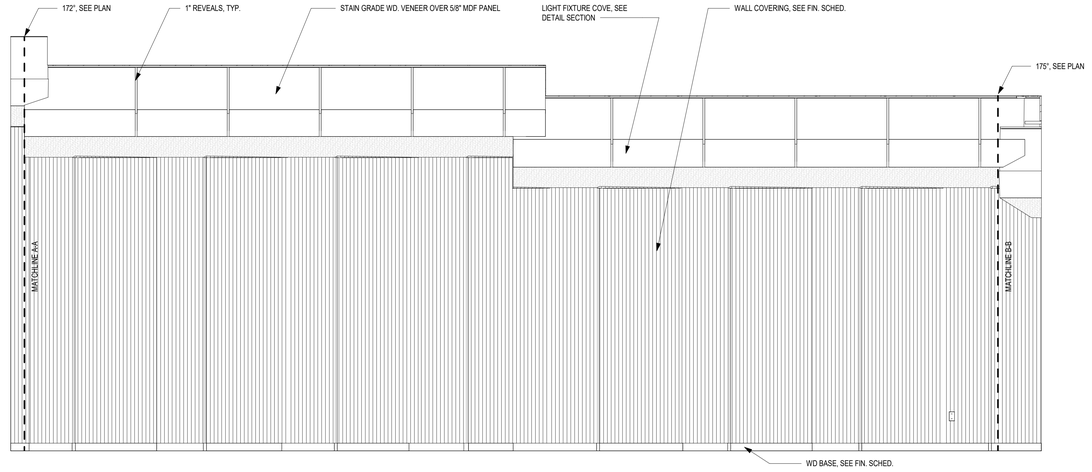
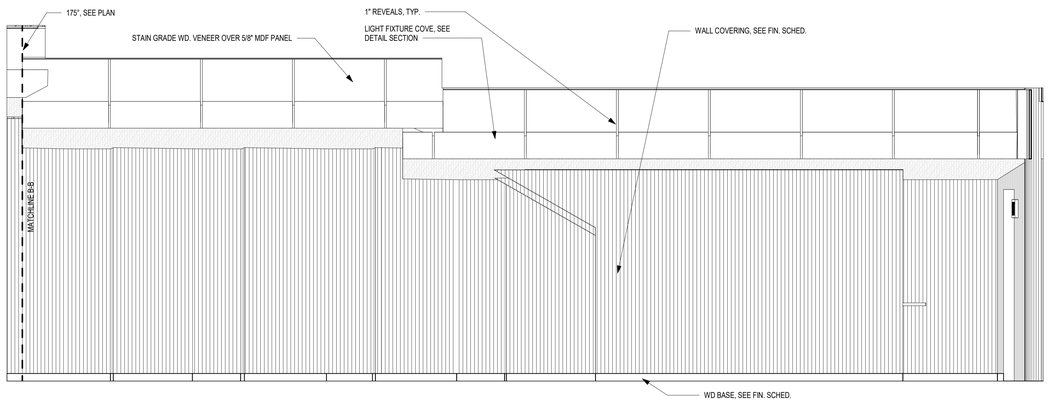


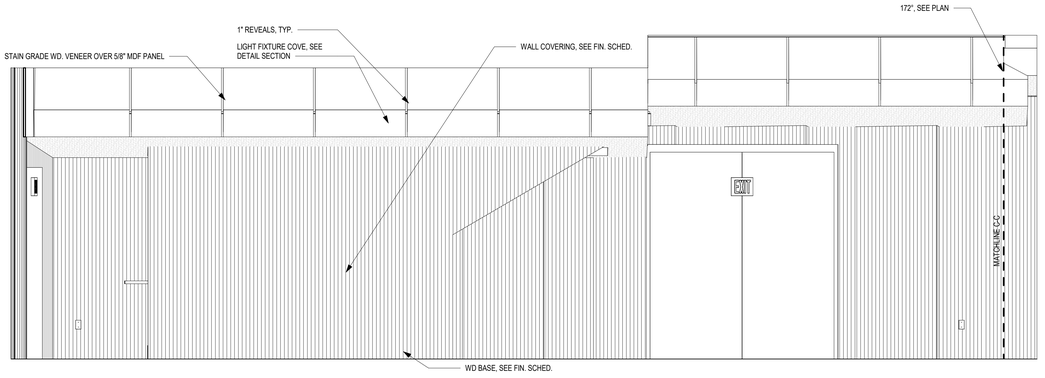
1 AUDITROIUM SOUTH WALL ELEVATION 1
3/8" = 1'-0"



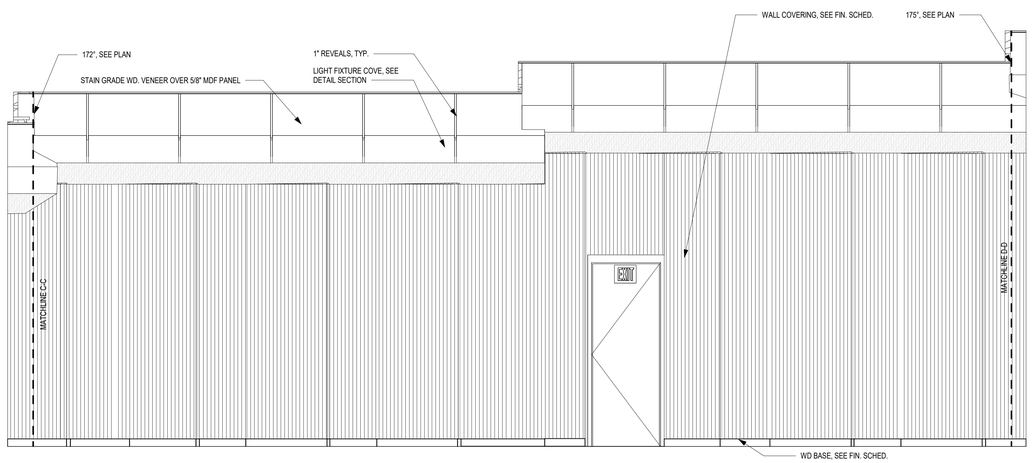
2 AUDTORIUM SOUTH WALL ELEVATION 2
3/8" = 1'-0"



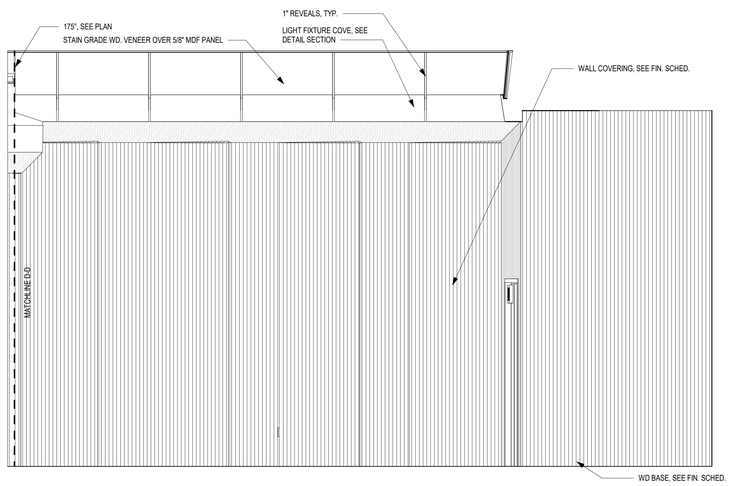
3 AUDITORIUM SOUTH WALL ELEVATION 3
3/8" = 1'-0"



4 AUDITORIUM NORTH WALL ELEVATION 1
3/8" = 1'-0"



5 AUDITORIUM NORTH WALL ELEVATION 2
3/8" = 1'-0"



6 AUDITORIUM NORTH WALL ELEVATION 3
3/8" = 1'-0"

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INTERIOR ELEVATIONS

DRAWING NUMBER

A07.14

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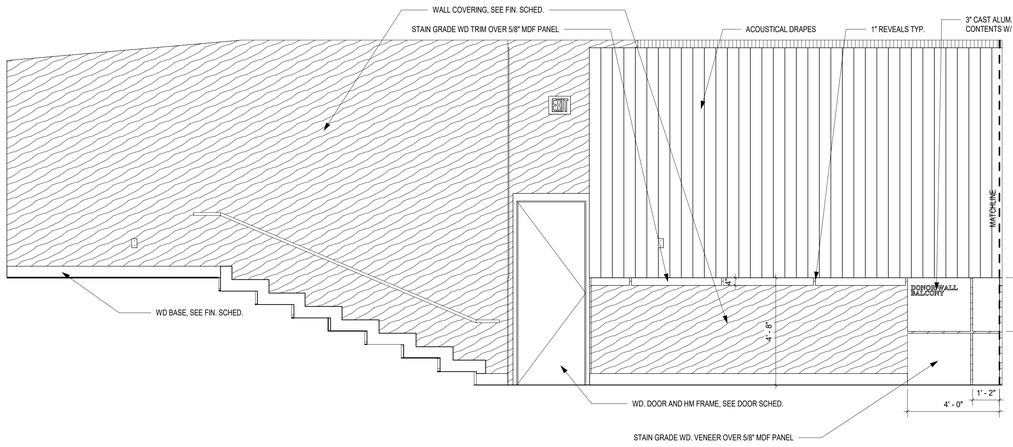
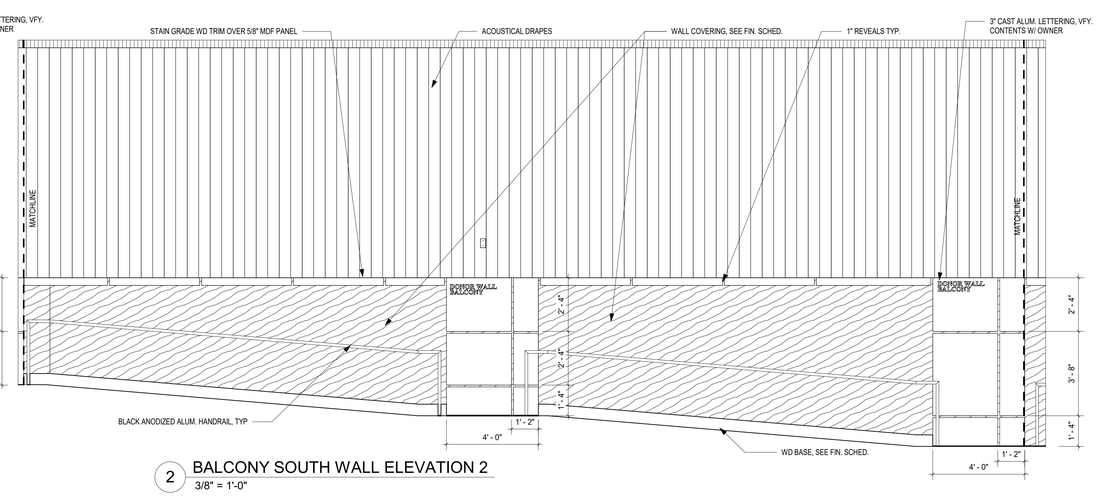
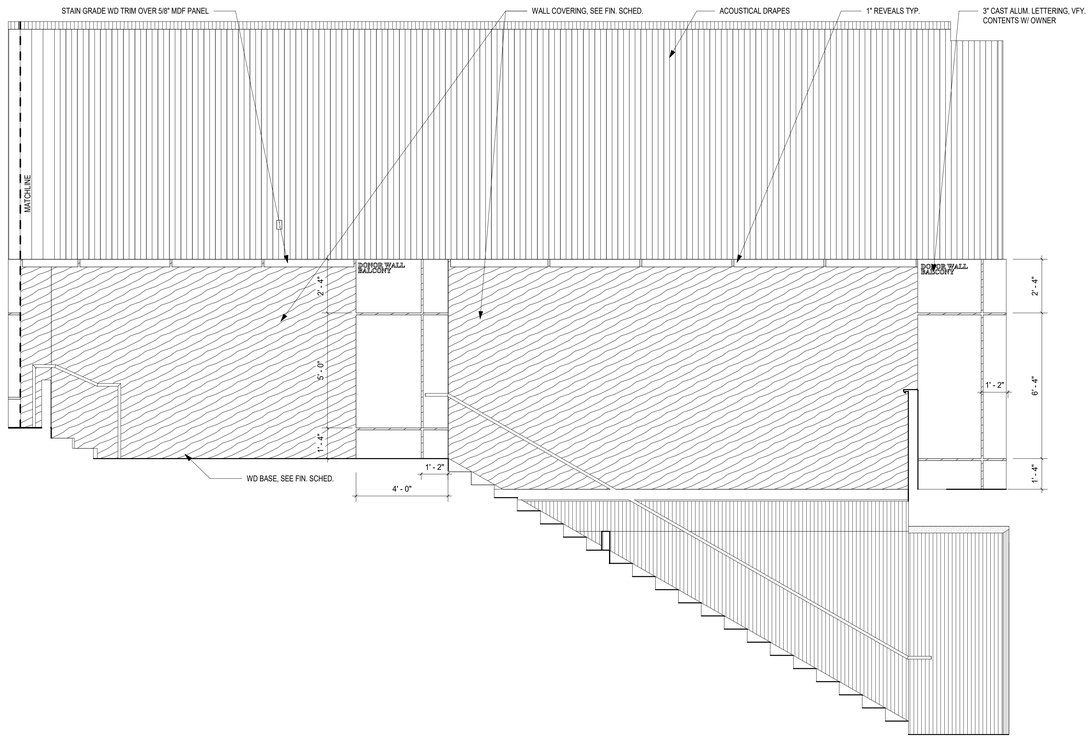


3 BALCONY SOUTH WALL ELEVATION 1
3/8" = 1'-0"



2 BALCONY SOUTH WALL ELEVATION 2
3/8" = 1'-0"



1 BALCONY SOUTH WALL ELEVATION 3
3/8" = 1'-0"

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INTERIOR ELEVATIONS

DRAWING NUMBER

A07.15

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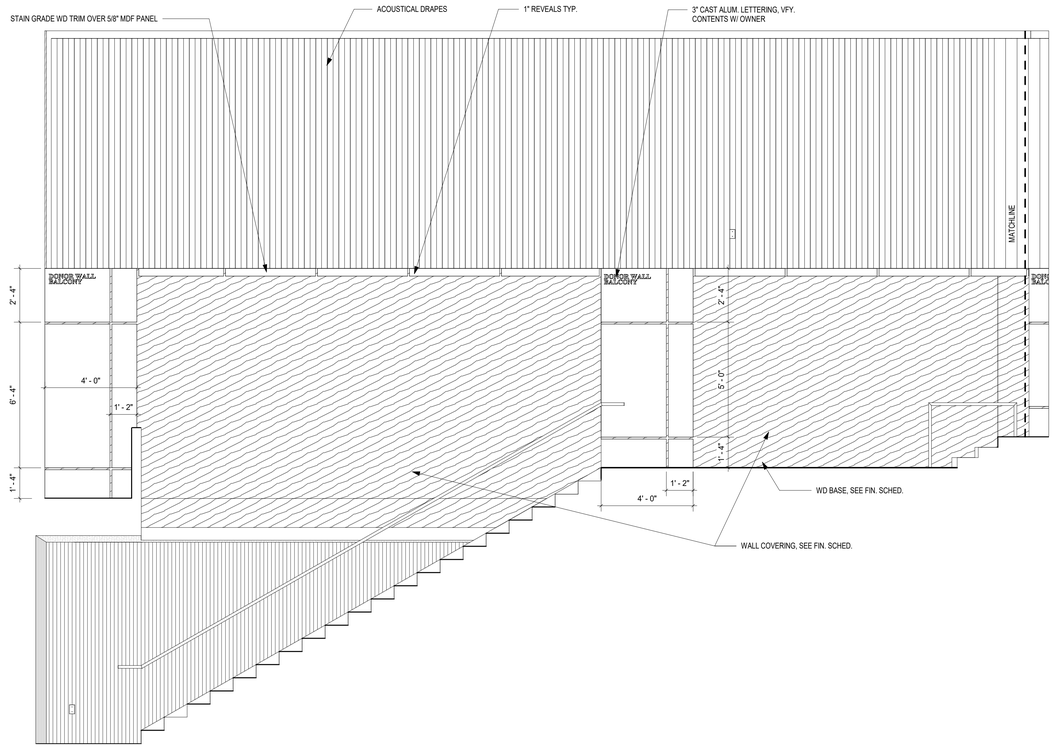
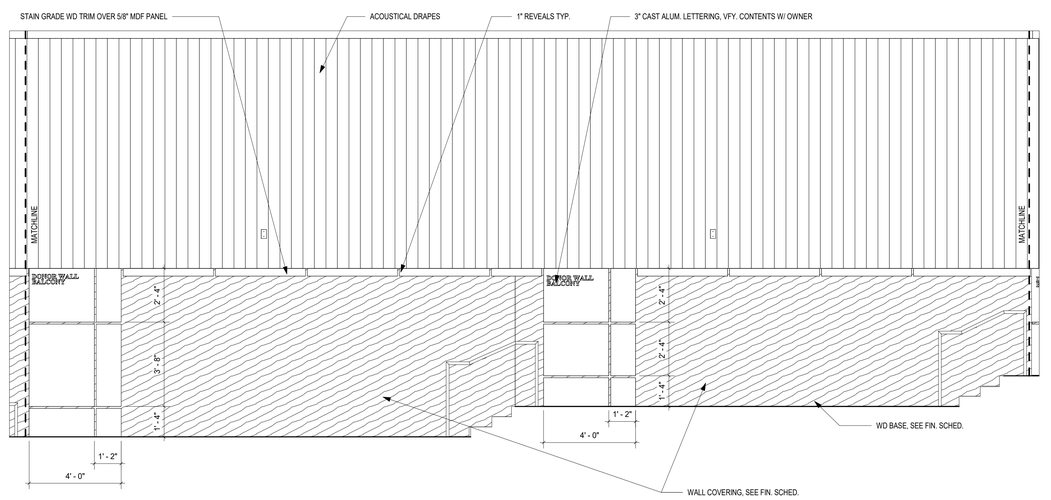
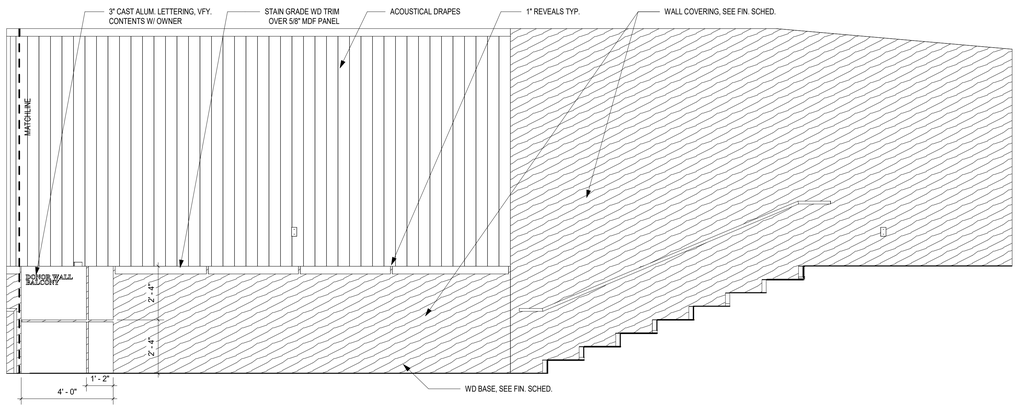


1 BALCONY NORTH WALL ELEVATION 1
3/8" = 1'-0"



2 BALCONY NORTH WALL ELEVATION 2
3/8" = 1'-0"



3 BALCONY NORTH WALL ELEVATION 3
3/8" = 1'-0"

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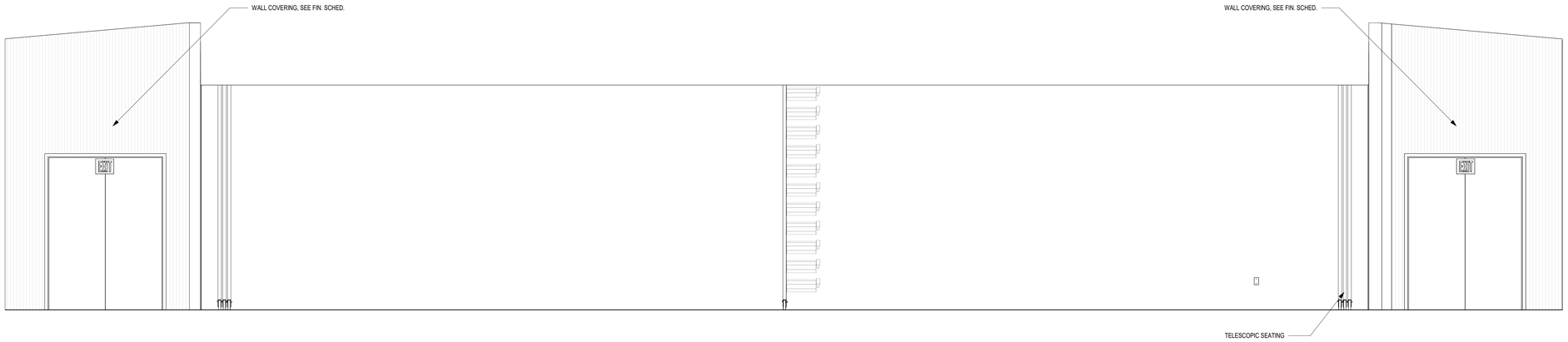
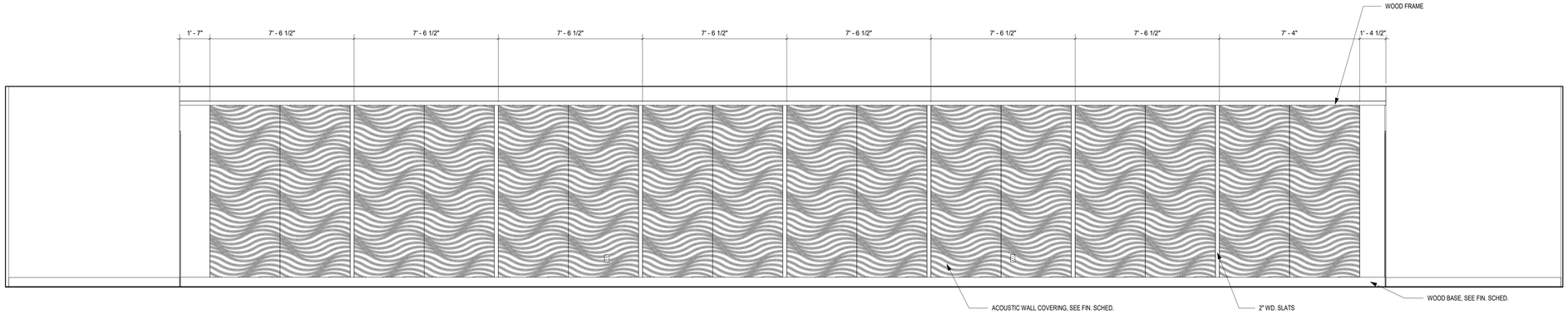
DRAWING NUMBER

A07.16

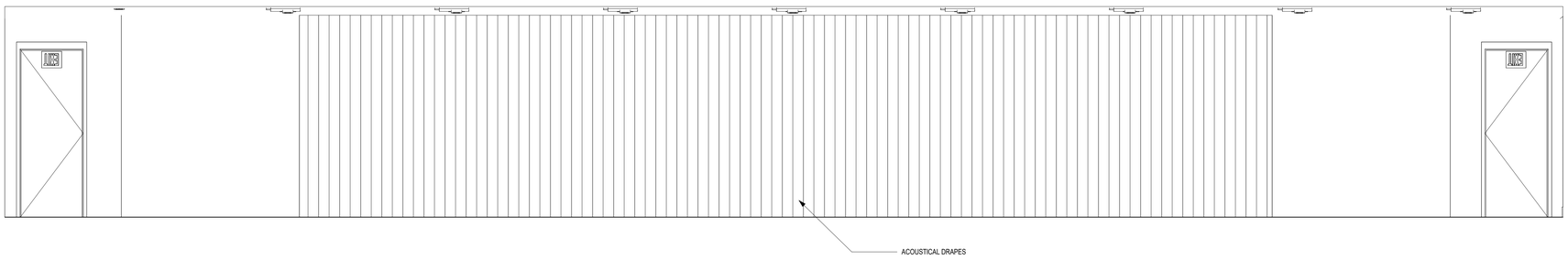
GMP SUBMITTAL - NOT FOR CONSTRUCTION



3 FIRST FLOOR AUDITORIUM EAST ELEVATION
3/8" = 1'-0"



1 SECOND FLOOR LOBBY WEST ELEVATION
3/8" = 1'-0"



2 SECOND FLOOR AUDITORIUM EAST ELEVATION
3/8" = 1'-0"

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HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

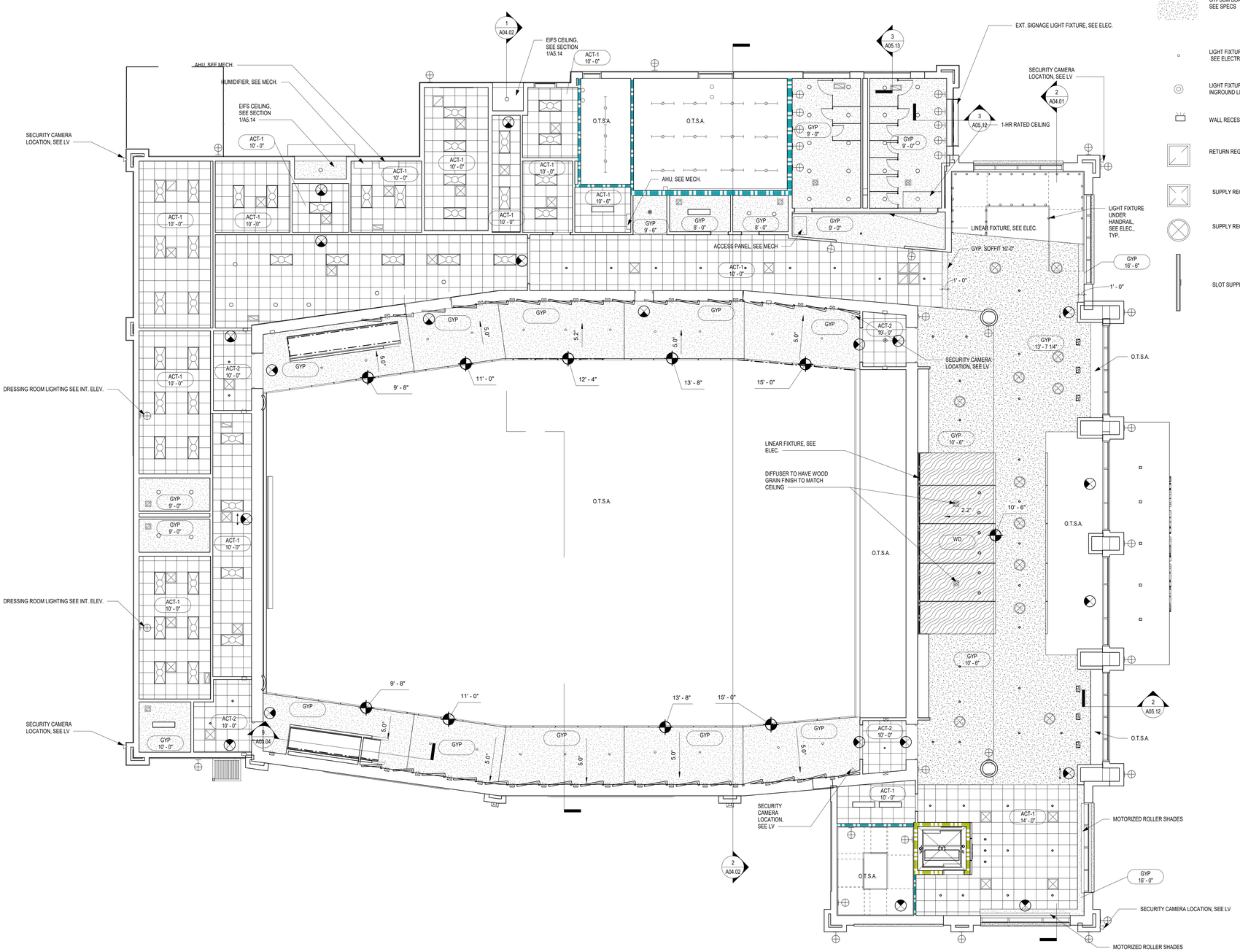
INTERIOR ELEVATIONS

DRAWING NUMBER

A07.17

REFLECTED CEILING LEGEND

- ACT 9'-0" — CEILING TYPE / CEILING HEIGHT
- ACT-1 ACOUSTICAL CEILING TILE ARMSTRONG FINE FISSURED 1734 TILE COLOR: WHITE
- ACT-2 ACOUSTICAL CEILING TILE ARMSTRONG FINE FISSURED 1734 TILE COLOR: BLACK
- GYPSUM BOARD CEILING SEE SPECS
- LIGHT FIXTURE SEE ELECTRICAL
- LIGHT FIXTURE INGROUND LIGHT, SEE ELECTRICAL
- WALL RECESSED STEP LIGHT
- RETURN REGISTER, SEE MECH.
- SUPPLY REGISTER, SEE MECH.
- SUPPLY REGISTER, SEE MECH.
- SLOT SUPPLY REGISTER, SEE MECH.
- EMERGENCY LIGHT FIXTURE EXIT LIGHT, SEE ELECTRICAL
- LIGHT FIXTURE STRIP LIGHT, SEE ELECTRICAL
- LIGHT FIXTURE 2x4 TYPE, SEE ELECTRICAL
- LIGHT FIXTURE 1x4 LINEAR BOX
- O.T.S.A. — OPEN TO STRUCTURE ABOVE
- LIGHT FIXTURE 2x2 TYPE, SEE ELECTRICAL
- TRACK LIGHTING, SEE ELECTRICAL
- LINEAR LIGHTING, SEE ELECTRICAL
- LINEAR EXT. LIGHTING, SEE ELECTRICAL
- WALL SCONCE, SEE ELEC.
- SECURITY CAMERA LOCATION, BY OWNER
- DUAL HEAD ADJ. LIGHT FIXTURE, SEE ELEC.



1 LEVEL 01 REFLECTED CEILING PLAN
1/8" = 1'-0"

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SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

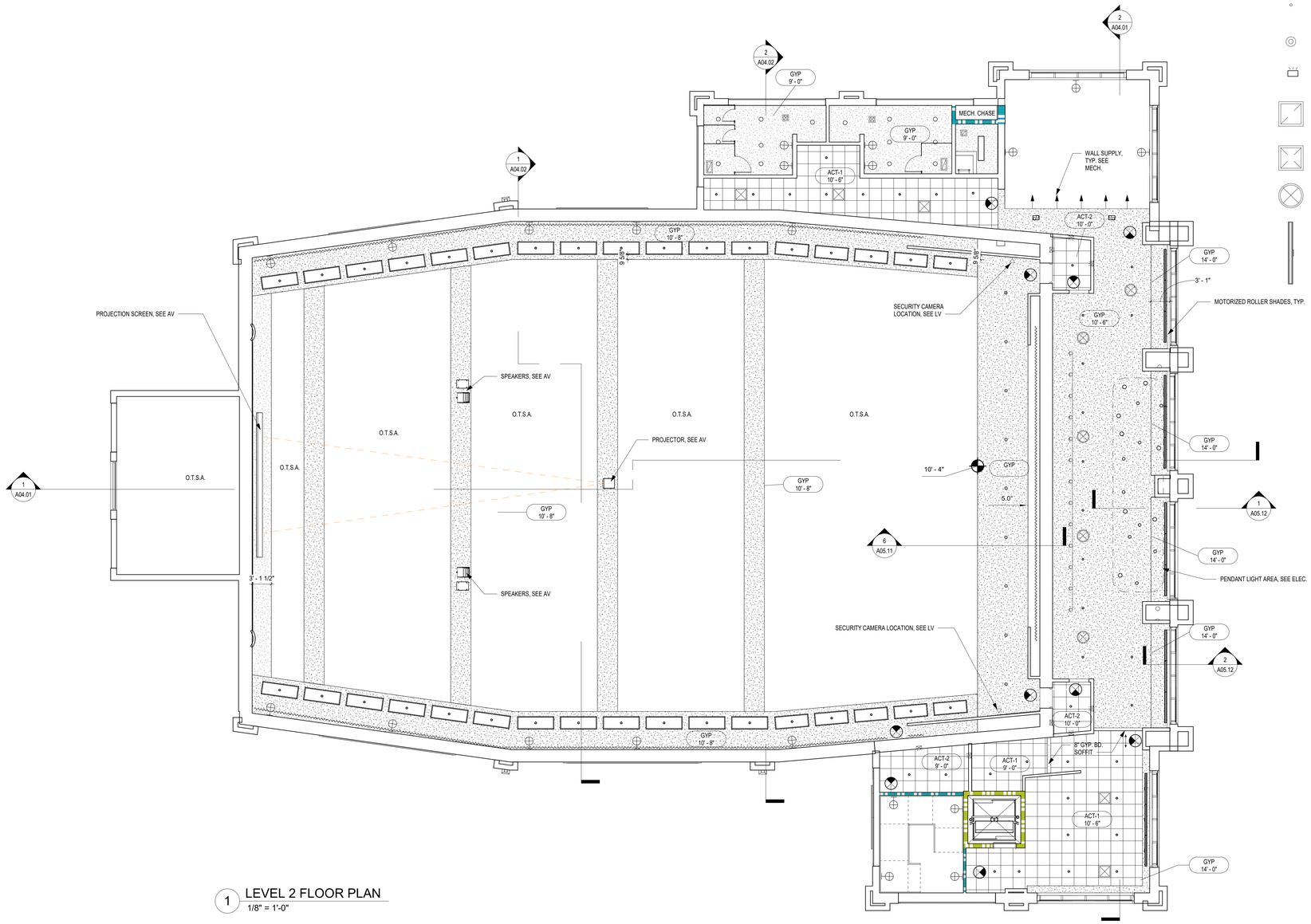
LEVEL 01 - REFLECTED CEILING PLAN

DRAWING NUMBER

A08.01

REFLECTED CEILING LEGEND

ACT 9'-0" — CEILING TYPE / CEILING HEIGHT	EMERGENCY LIGHT FIXTURE EXIT LIGHT, SEE ELECTRICAL
ACT-1 ACOUSTICAL CEILING TILE ARMSTRONG FINE FISSURED 1734 TILE COLOR: WHITE	LIGHT FIXTURE STRIP LIGHT, SEE ELECTRICAL
ACT-2 ACOUSTICAL CEILING TILE ARMSTRONG FINE FISSURED 1734 TILE COLOR: BLACK	LIGHT FIXTURE 2x4 TYPE, SEE ELECTRICAL
GYPSUM BOARD CEILING SEE SPECS	LIGHT FIXTURE 1x4 LINEAR BOX
LIGHT FIXTURE SEE ELECTRICAL	O.T.S.A. — OPEN TO STRUCTURE ABOVE
LIGHT FIXTURE INGROUND LIGHT, SEE ELECTRICAL	LIGHT FIXTURE 2x2 TYPE, SEE ELECTRICAL
WALL RECESSED STEP LIGHT	TRACK LIGHTING, SEE ELECTRICAL
RETURN REGISTER, SEE MECH.	LINEAR LIGHTING, SEE ELECTRICAL
SUPPLY REGISTER, SEE MECH.	LINEAR EXT. LIGHTING, SEE ELECTRICAL
SUPPLY REGISTER, SEE MECH.	WALL SCONCE, SEE ELEC.
SLOT SUPPLY REGISTER, SEE MECH.	SECURITY CAMERA LOCATION, BY OWNER
	DUAL HEAD ADJ. LIGHT FIXTURE, SEE ELEC.



1 LEVEL 2 FLOOR PLAN
1/8" = 1'-0"

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LEVEL 02 - REFLECTED CEILING PLAN

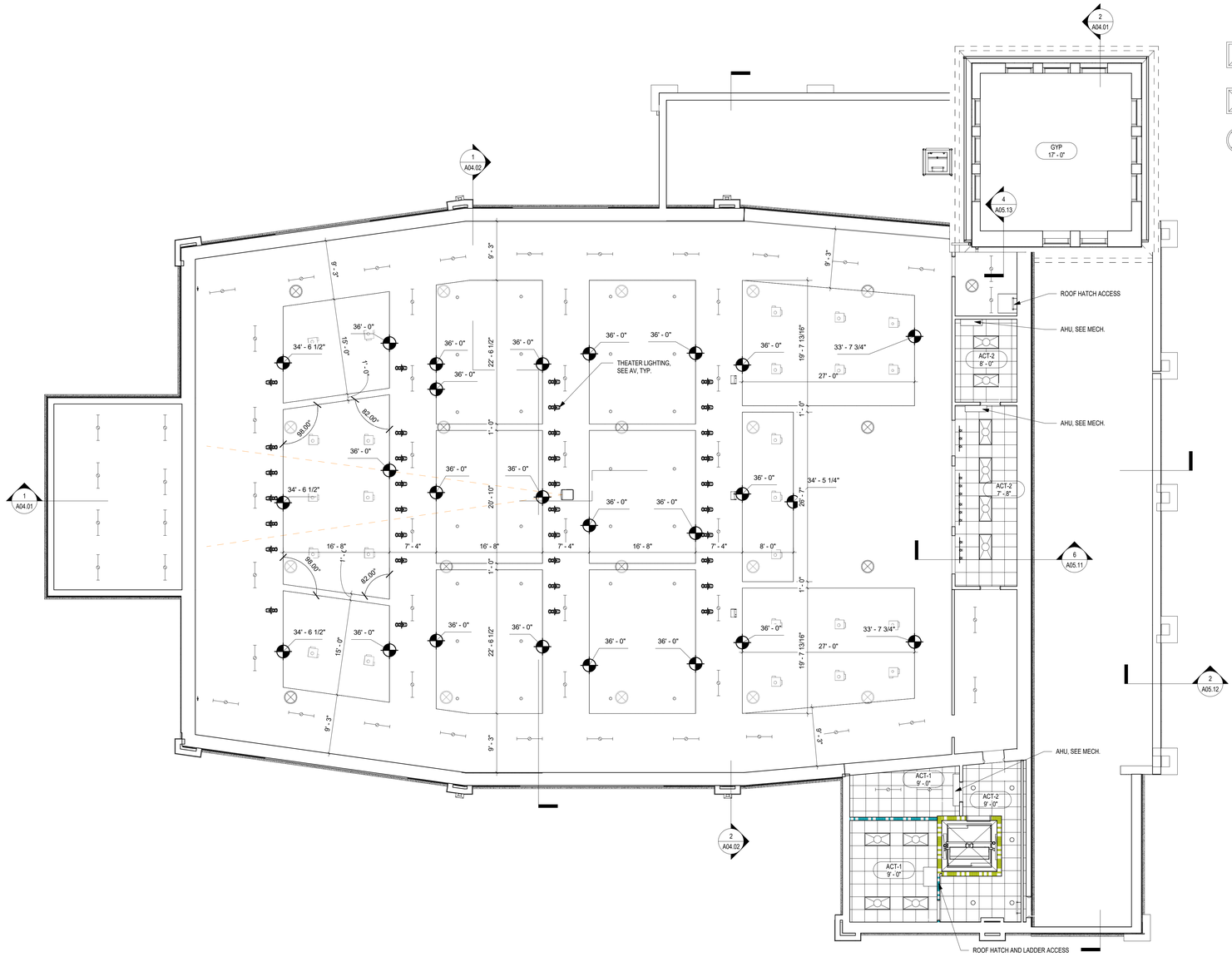
DRAWING NUMBER

A08.02

GMP SUBMITTAL - NOT FOR CONSTRUCTION

REFLECTED CEILING LEGEND

ACT 9'-0" — CEILING TYPE / CEILING HEIGHT	EMERGENCY LIGHT FIXTURE EXIT LIGHT, SEE ELECTRICAL
ACT-1 ACOUSTICAL CEILING TILE ARMSTRONG FINE FISSURED 1734 TILE COLOR: WHITE	LIGHT FIXTURE STRIP LIGHT, SEE ELECTRICAL
ACT-2 ACOUSTICAL CEILING TILE ARMSTRONG FINE FISSURED 1734 TILE COLOR: BLACK	LIGHT FIXTURE 2x4 TYPE, SEE ELECTRICAL
GYPSUM BOARD CEILING SEE SPECS	LIGHT FIXTURE 1x4 LINEAR BOX
LIGHT FIXTURE SEE ELECTRICAL	O.T.S.A. — OPEN TO STRUCTURE ABOVE
LIGHT FIXTURE INGROUND LIGHT, SEE ELECTRICAL	LIGHT FIXTURE 2x2 TYPE, SEE ELECTRICAL
WALL RECESSED STEP LIGHT	TRACK LIGHTING, SEE ELECTRICAL
RETURN REGISTER, SEE MECH.	LINEAR LIGHTING, SEE ELECTRICAL
SUPPLY REGISTER, SEE MECH.	LINEAR EXT. LIGHTING, SEE ELECTRICAL
SUPPLY REGISTER, SEE MECH.	WALL SCONCE, SEE ELEC.
SLOT SUPPLY REGISTER, SEE MECH.	SECURITY CAMERA LOCATION, BY OWNER
	DUAL HEAD ADJ. LIGHT FIXTURE, SEE ELEC.



1 CATWALK RCP
1/8" = 1'-0"

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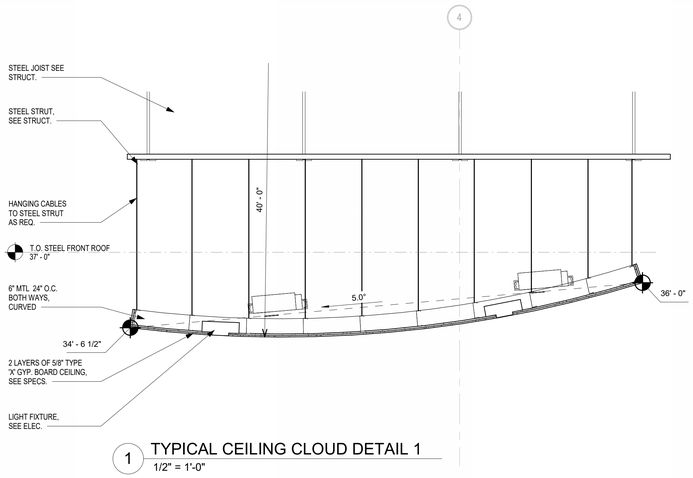
LEVEL 03 - REFLECTED CEILING PLAN

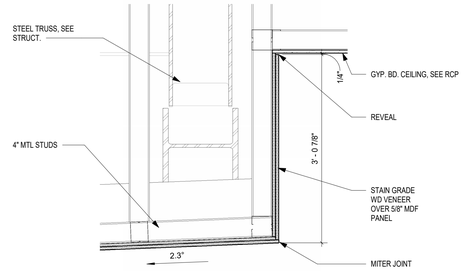
DRAWING NUMBER

A08.03

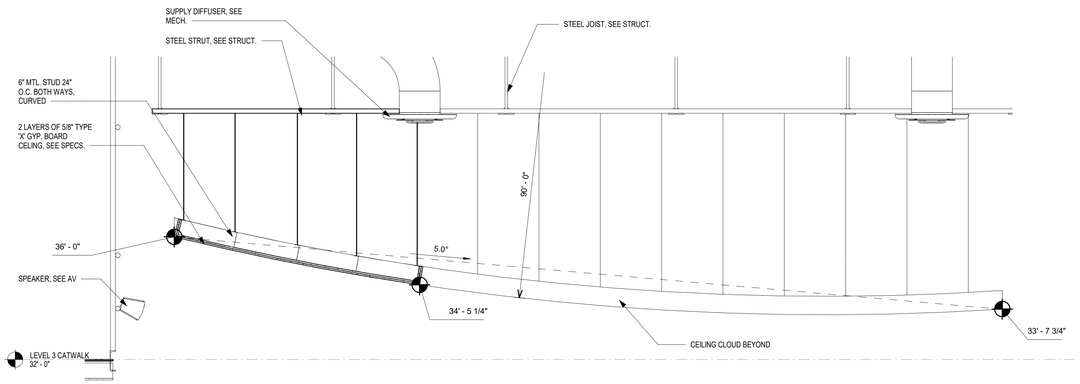


1 TYPICAL CEILING CLOUD DETAIL 1
1/2" = 1'-0"

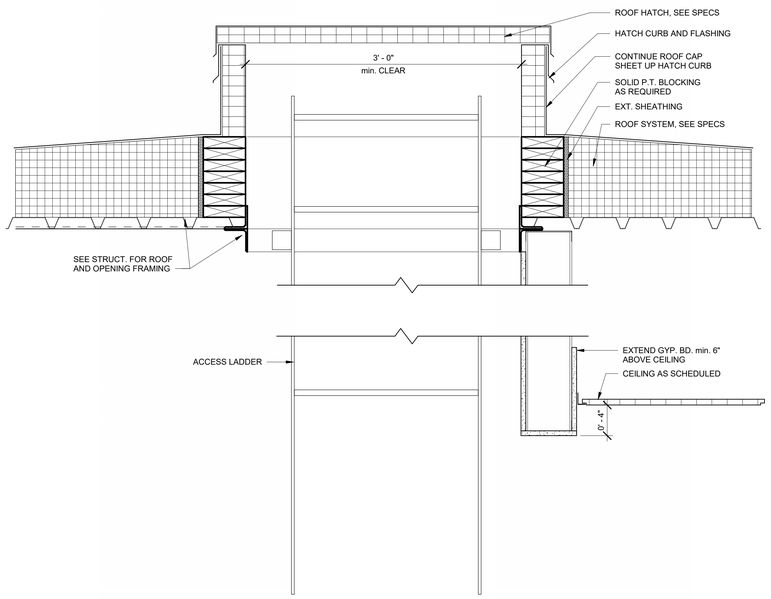
2 TYP. CEILING CLOUD DETAIL 2
1/2" = 1'-0"



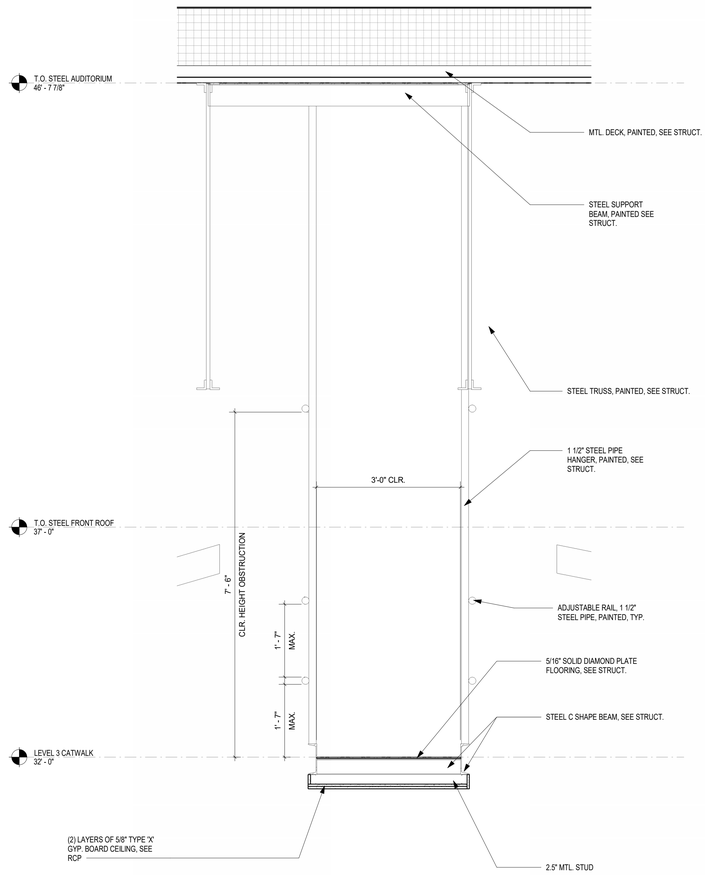
3 LOBBY CEILING DETAIL
1" = 1'-0"



4 TYPICAL CEILING CLOUD DETAIL 3
1/2" = 1'-0"



5 ROOF HATCH SECTION DETAIL
1 1/2" = 1'-0"



6 CATWALK SECTION DETAIL
3/4" = 1'-0"

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BRUNSWICK, GA 31520

REFLECTED CEILING PLAN DETAILS

DRAWING NUMBER

A08.11

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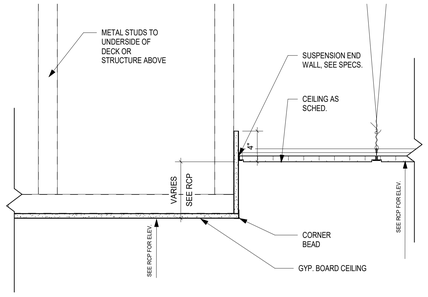
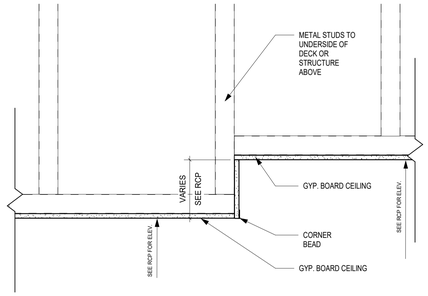


1 CEILING TRANSITION DETAIL
1 1/2" = 1'-0"



2 CEILING TRANSITION DETAIL 2
1 1/2" = 1'-0"

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REFLECTED CEILING PLAN DETAILS

DRAWING NUMBER

A08.12

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Room Finish Schedule

ROOM NO.	ROOM NAME	FLOOR MAT.	FLOOR FIN.	WALLS NORTH MAT.	WALLS NORTH FIN.	WALLS EAST MAT.	WALLS EAST FIN.	WALLS SOUTH MAT.	WALLS SOUTH FIN.	WALLS WEST MAT.	WALLS WEST FIN.	CEILING MAT.	CEILING FIN.	REMARKS
100	LOBBY	CPT	LVT-1	GYP	P-1	STRFNT		STRFNT		GYP	P-1	GYP	P-1	STC RATED
101	SLL	CPT	CPT-2	GYP	VWC-1	GYP	VWC-1	GYP	VWC-1	GYP	VWC-1	ACT-2		STC RATED
102	AUDITORIUM	WD	WD-1	GYP		GYP		GYP		GYP		GYP		STC RATED, WALL SHAPING PANELS
103	PLATFORM	WD	WD-1	--		--		--		--		--		GC TO COORD. INSTALLATION OF WD ON MOVABLE PLATFORM FLOORING
104	TICKETING/ CONCESSIONS	CPT	LVT-1	--		--		--		GYP		ACT/GYP		STC RATED
105	SLL	CPT	CPT-2	GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	ACT-2		
106	STORAGE - FOH	LVT		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		
107	ELEV.	--		--		--		--		--		--		
108	STAIR 2	LVT		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		
109	STAIR 1	CPT		STRFNT		STRFNT		--		GYP		--		
110	WOMEN	CT	CT-3	GYP/CT	CT-2/3	GYP/CT	CT-2/3	GYP/CT	CT-2/3	GYP/CT	CT-2/3	GYP	P-1	STC RATED
111	MEN	CT	CT-3	CT		CT		CT		CT		GYP	P-1	STC RATED
112	FAMILY WC	CT	CT-3	GYP/CT	CT-2	GYP/CT	CT-2	GYP/CT	CT-2	GYP/CT	CT-2	GYP	P-1	STC RATED
113	CUSTODIAL	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	FRP PANELS AROUND MOP SINK
114	OFFICE - HOUSE MANAGER	--	CPT-3	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		
115	CORRIDOR	CONC		GYP		GYP		GYP		GYP		ACT-1		STC RATED
116	CORRIDOR	CPT	CPT-3	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		
117	OFFICE - SECURITY / RECEIVING	CPT	CPT-3	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		
118	DATA ROOM	LVT	LVT-2	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		
119	GREEN ROOM	LVT	LVT-2	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		STC RATED
120	STORAGE PIANO	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		
121	SERVICE ACCESS	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		
122	STORAGE PLATFORM & CHAIRS	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		
123	STORAGE STAGE	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		
124	SLL	CONC		GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	ACT-2		STC RATED
125	CORRIDOR	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		STC RATED
126	DRESSING ROOM	LVT	LVT-1	GYP		GYP		GYP		GYP				
127	TOILET	CT	CT-3	GYP/CT	CT-2	GYP/CT	CT-2	GYP/CT	CT-2	GYP/CT	CT-2	GYP	P-1	STC RATED
128	TOILET	CT	CT-3	GYP/CT	CT-2	GYP/CT	CT-2	GYP/CT	CT-2	GYP/CT	CT-2	GYP	P-1	STC RATED
129	DRESSING ROOM	LVT	LVT-1	GYP	P-1	GYP	P-1	GYP	P-1	GYP/CT	CT-1	GYP	P-1	
130	SLL	CONC		GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	ACT-2		STC RATED
131	CUSTODIAL	CT	CT-4	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		FRP PANELS AROUND MOP SINK
132	MECHANICAL / ELECTRICAL	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	--		STC RATED
133	ELEC	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	--		STC RATED
133	FIRE PUMP ROOM													
200	STAIR 1	CPT		STRFNT		STRFNT		--		GYP		ACT/GYP		
201	LOBBY	CPT	CPT-1; LVT-1	GYP		STRFNT		GYP		GYP		ACT/GYP		STC RATED
202	SLL	CPT	CPT-2	GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	ACT-2		STC RATED
203	BALCONY	CPT	CPT-1	GYP		GYP		GYP		GYP		--/GYP		SOUND ABSORBING CLOUDS, SEE ACOUSTICAL FOR CEILING
204	SLL	CPT	CPT-2	GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	ACT-2		STC RATED
205	HALL	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		STC RATED
206	ELEV.	--		--		--		--		--		--		
207	SLL	CPT	CPT-2	GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	GYP	VWC-2	ACT-2		STC RATED
208	STAIR 2	LVT	LVT-1	GYP		GYP		GYP		GYP		ACT-1		
209	CUSTODIAL	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		FRP PANELS AROUND MOP SINK
210	MEN	CT	CT-3	GYP/CT	CT-2	GYP/CT	CT-2	GYP/CT	CT-2	GYP/CT	CT-2	GYP	P-1	STC RATED
211	WOMEN	CT	CT-3	GYP/CT	CT-2	GYP/CT	CT-2	GYP/CT	CT-2	GYP/CT	CT-2	GYP	P-1	STC RATED
212	HALL	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-1		STC RATED
214	MECHANICAL	CONC		GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	--		STC RATED
300	HALL	CONC		GYP		GYP		GYP		GYP		ACT-1		
300	STO.													
301	STAIR 2	LVT		GYP		GYP		GYP		GYP		ACT-1		
302	ELEV.	--		--		--		--		--		--		
303	SLL	CPT	CPT-2	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	ACT-2		STC RATED
304	DATA ROOM	LVT	LVT-1	GYP		GYP		GYP		GYP		--		STC RATED
305	CORRIDOR	CPT		GYP		GYP		GYP		--		--/GYP		SOUND ABSORBING CLOUDS, SEE RCP FOR CEILING
306	CONTROL RM	CPT	CPT-2	GYP		GYP		GYP		GYP		ACT-2		BLACK ACT
307	AV. EQ. ROOM	LVT	LVT-1	GYP		GYP		GYP		GYP		ACT		STC RATED
308	CORRIDOR	CPT		GYP		GYP		GYP		--		--/GYP		SOUND ABSORBING CLOUDS, SEE RCP FOR CEILING
309	CATWALK	MTL		--		--		--		--		--/GYP		SOUND ABSORBING CLOUDS, SEE RCP FOR CEILING

FINISH BASIS OF DESIGN

SURFACE	TAG	MANUFACTURER	STYLE & COLOR	COMMENTS
CEILING	ACT	USG	TBD	
	GYP			
WALLS	AWC-1	MDC INTERIOR SOLUTIONS	EMBOSSED, TIDAL, GUNMETAL GRAY	ACOUSTICAL WALL PANELS @ LVL 2 ART GALLERY WALL
	CT-1	DALTILE	BRYNE, MIST, FLUTED	ACCENT WALL TILE IN RESTROOMS; EPOXY GROUT
	P-1	SHERWIN WILLIAMS	OYSTER WHITE SW 7637	PRIMARY WALL AND CEILING PAINT
	P-2	SHERWIN WILLIAMS	URBANE BRONZE SW 7048	TRIM AND FRAME PAINT
	P-3	SHERWIN WILLIAMS	CITYSCAPE SW7067	ACCENT PAINT
	P-4	SHERWIN WILLIAMS	COPPER MOUNTAIN SW 6356	ACCENT PAINT
	WB-1	TBD	COLOR TBD	PRIMARY WALL BASE
	VWC-1	COLOUR & DESIGN	GAUZE & EFFECT, ALTERNATE ROOT	ACCENT WALLCOVERING @ LVL 1 RESTROOM ENTRY
	VWC-2	COLOUR & DESIGN	GAUZE & EFFECT, CONCRETE SOLUTION	ACCENT WALLCOVERING ON SIDE WALLS IN LVL 1 AUDITORIUM
	VWC-3	YORK WALLCOVERINGS	TEMPO, GUNMETAL GRAY	ACOUSTIC WALLCOVERING @ LVL 2 INSIDE KNEE WALL @ BALCONY SEATING
	VWC-4	YORK WALLCOVERINGS	TEMPO, PARCHMENT	ACOUSTIC WALLCOVERING @ LVL 2 BACK WALL @ BALCONY SEATING
	VWC-5	3M DI-NOC ARCHITECTURAL FINISHES	FINE WOOD - COLOR TBD	WRAP COLUMNS IN LOBBY
FLOORS	CONC			
	CPT-1	J+J FLOORING	KINETEX, STIPPLE, DAPPLED 2684	
	CPT-2	J+J FLOORING	KINETEX, URBAN AVENUE, TOWNSHIP 2835	
	CT-2	TILEBAR	CLAY VERVE 16X32	EPOXY GROUT
	LVT-1	TARKETT	ID LATITUDE, STONE, ELBRUS	
MILLWORK	WD-1		STAIN TBD	WOOD FLOORING AT AUDITORIUM
	PLAM-1	WILSONART	AVONDALE ASH 8228K-60	TICKETING/CONCESSIONS COUNTER LAMINATE PANEL
	PLAM-2	WILSONART	BEIGEWOOD 7850-60	SINK SKIRTS IN RESTROOMS
	SSF-2	WILSONART	MOOON GEYSER 9209CM	COUNTERTOP IN RESTROOMS
	QTZ-1	WILSONART	ISSELBURG Q4013	TICKETING/CONCESSIONS COUNTER
	TPS	ASI GLOBAL PARTITIONS	#7954 NEO WALNUT	RESTROOM TOILET PARTITIONS

GENERAL NOTES

1. PRICE ALL UPHOLSTERED ITEMS/SURFACES IN INTERIOR DESIGN SCOPE AS COM

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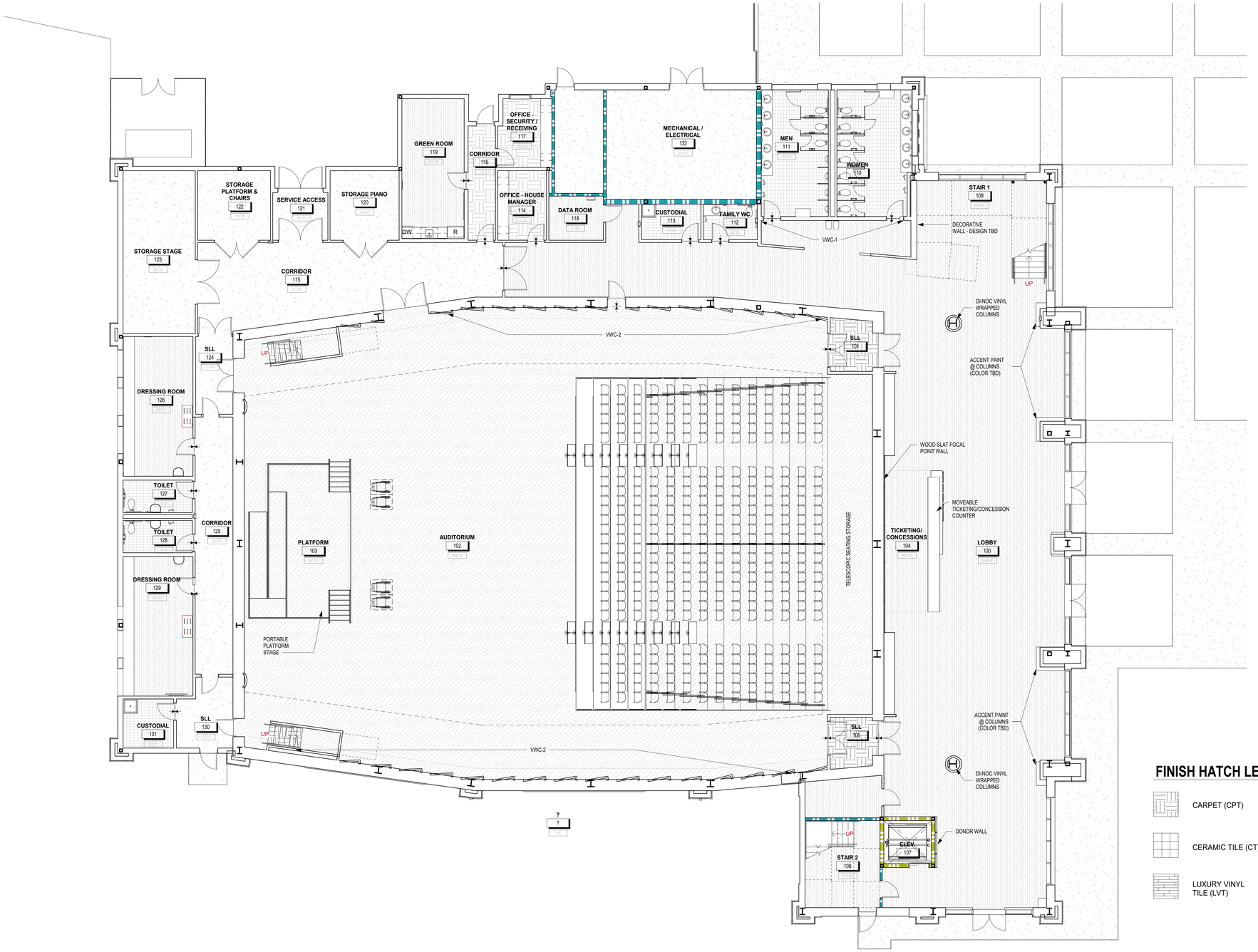
BRUNSWICK, GA 31520

FINISH SCHEDULE AND FINISH LEGEND

DRAWING NUMBER

A09.11

GMP SUBMITTAL - NOT FOR CONSTRUCTION



1 LEVEL 1 FINISH PLAN
1/8" = 1'-0"

JOB NORTH

FINISH HATCH LEGEND

- CARPET (CPT)
- CONCRETE (CONC)
- CERAMIC TILE (CT)
- WOOD (WD)
- LUXURY VINYL TILE (LVT)

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

FINISH PLANS

DRAWING NUMBER

A09.21

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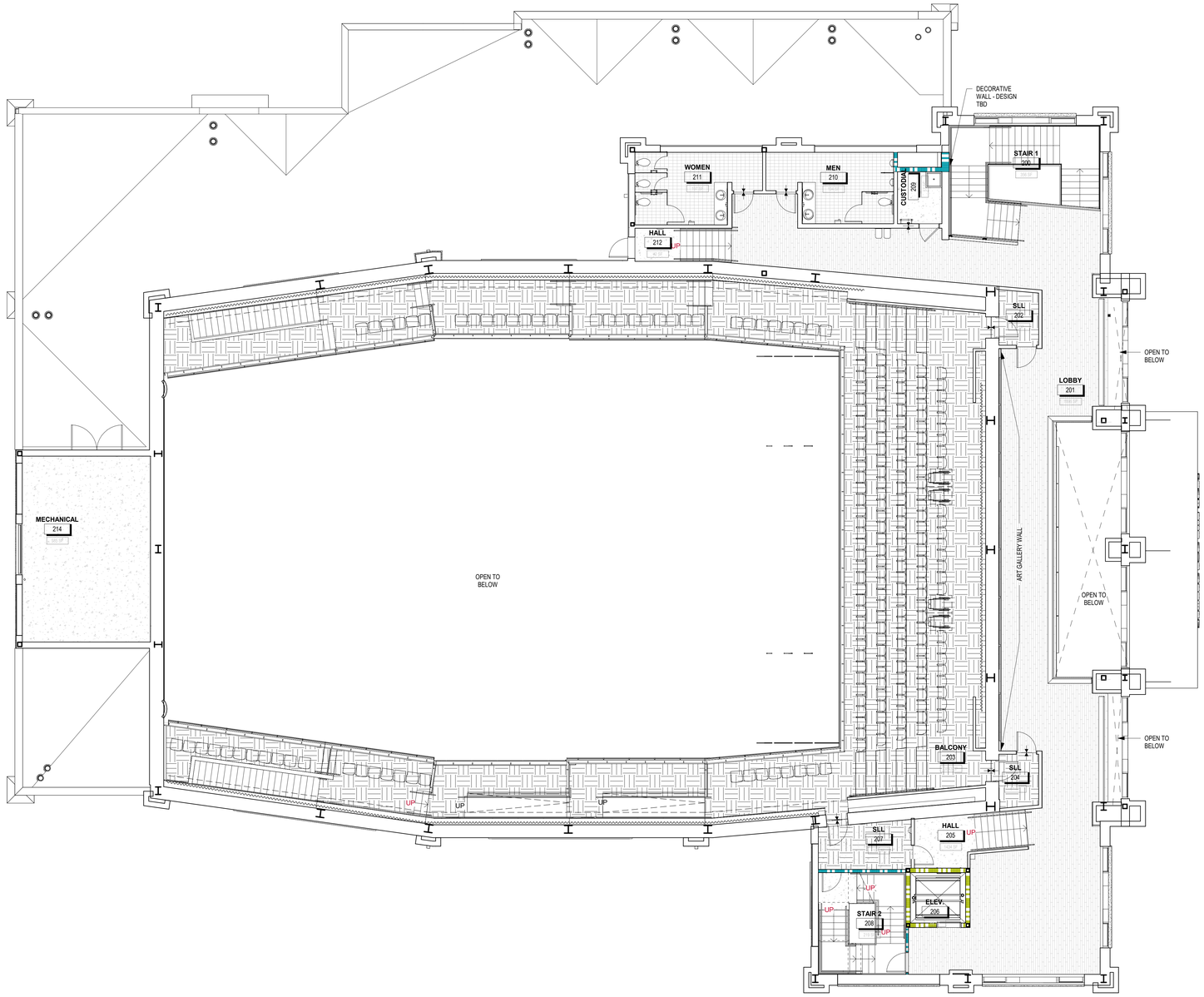
FINISH HATCH LEGEND

- CARPET (CPT)
- CONCRETE (CONC)
- CERAMIC TILE (CT)
- WOOD (WD)
- LUXURY VINYL TILE (LVT)



1 LEVEL 2 FINISH PLAN
1/8" = 1'-0"

JOB NORTH

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HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

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DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

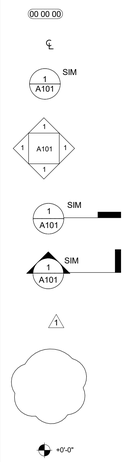
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

FINISH PLANS

DRAWING NUMBER

A09.22

DRAWING SYMBOLS



CONSTRUCTION SPECIFICATION INSTITUTE SECTION NUMBER

CENTERLINE

DETAIL SYMBOL

DETAIL ELEVATION SYMBOL

DETAIL SECTION SYMBOL

BUILDING SECTION SYMBOL

REVISION SYMBOL

REVISION CALLOUT

ELEVATION DATUM SYMBOL

TYPICAL ABBREVIATIONS

@	AT
A	AMPS
AFF	ABOVE FINISHED FLOOR
ALD	ARCHITECTURAL LIGHTING DESIGNER
ARCH	ARCHITECTURAL
AUD	AUDITORIUM
AUX	AUXILIARY
BATS	BRANCH CIRCUIT AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CKT	CIRCUIT
CL	CENTERLINE
CS	COMPANY SWITCH
D	DISCONNECT
DC	DOWN CENTER STAGE
DIA	DIAMETER
DIM	DIMMER
DIV	DIVISION
DMX	DIGITAL MULTIPLEXED LIGHTING CONTROL SIGNAL
DS	DOWNSTAGE
DSL	DOWN STAGE LEFT
DSR	DOWN STAGE RIGHT
DUP	DUPLICATE
DWG	DRAWING
EA	EACH
EE	ELECTRICAL ENGINEER
ELEC	ELECTRICAL
ELEV	ELEVATION
ELTS	EMERGENCY LIGHTING TRANSFER SWITCH
ENET	ETHERNET
EQ	EQUAL
F/S	FOLLOWSPOT
FOH	FRONT OF HOUSE
FRT	FRONT
FS	FORESTAGE
FT	FEET
HL	HOUSE LEFT
HLM	HOUSE LIGHT MASTER
HP	HORSE POWER
HR	HOUSE RIGHT
HVAC	HEATING VENTILATION AND AIR CONDITIONING
I.D.	INSIDE DIAMETER
IFR	INHERENTLY FLAME RETARDANT
IG	ISOLATED GROUND
IMS	INTEGRATED MOTOR STARTER
JB	JUNCTION BOX
KW	KILOWATT
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
MAX	MAXIMUM
MCP	MOTOR CONTROL PANEL
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
m	MICROSECOND
MS	MICROSECOND
MTD	MOUNTED
MTG	MOUNTING
NIC	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPP	OPPOSITE
PB	PULL BOX
PCP	PRODUCTION CONTROL PANEL
PERF	PERFORMANCE
PH	PHASE
PL	PERFORMANCE LIGHTING
PNL	PANEL BOARD
PROD	PRODUCTION
PSVC	PERFORMANCE SOUND VIDEO AND COMMUNICATIONS
REF	REFER TO
REQ'D	REQUIRED
RFU	REMOTE FOCUS UNIT
SIM	SIMILAR
SL	STAGE LEFT
SMP	STAGE MANAGERS PANEL
SQ	SQUARE
SR	STAGE RIGHT
STRUCT	STRUCTURAL
TBD	TO BE DETERMINED
TYP	TYPICAL
U/S	UNDERSIDE
UC	UP CENTER
UON	UNLESS OTHERWISE NOTED
US	UPSTAGE
USL	UP STAGE LEFT
USR	UP STAGE RIGHT
V	VOLT
VAC	VOLTS A.C.
VIF	VERIFY IN FIELD
W/	WITH
WL	WORK LIGHT DEVICE
WLM	WORK LIGHT MASTER

NOTE:
THE ABBREVIATIONS REPRESENTED ARE TYPICAL AND MAY NOT BE USED IN THIS DRAWING SET

GENERAL NOTES

1. ALL CONDUIT, BACK BOXES, PULL BOXES, WIREWAYS, CABLE TRAYS, AND CABLE MANAGEMENT DEVICES ARE SPECIFIED AND PROVIDED UNDER DIVISION 26, UNLESS NOTED OTHERWISE. SIZES OF ALL JUNCTION BOXES AND BACK BOXES FOR DIVISION 11 EQUIPMENT ARE TO BE CONFIRMED BY THE EQUIPMENT MANUFACTURER.
2. ALL ELECTRICAL SERVICES ARE SPECIFIED AND PROVIDED UNDER DIVISION 26, UNLESS OTHERWISE NOTED.
3. THEATRICAL LIGHTING AND CONTROLS ARE SPECIFIED AND PROVIDED UNDER DIVISION 26.
4. MATERIAL AND EQUIPMENT SCHEDULES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. VERIFY ALL QUANTITIES AND PROVIDE ALL REQUIRED MATERIAL, WHETHER SCHEDULED OR NOT.

FALL ARREST NOTE

FALL PROTECTION POTENTIALLY REQUIRED.
FALL PROTECTION SYSTEMS DESIGNED AND PROVIDED BY OTHERS. ARCHITECT AND ENGINEER SHOULD CONSIDER ACCOMMODATION FOR FALL PROTECTION SYSTEMS. COORDINATE REQUIREMENTS WITH OWNER SYSTEMS TO COMPLY WITH RELEVANT CODES AND STANDARDS.

DRAWING INDEX

HUSSEY GAY BELL
Established 1958

REVISIONS: △

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

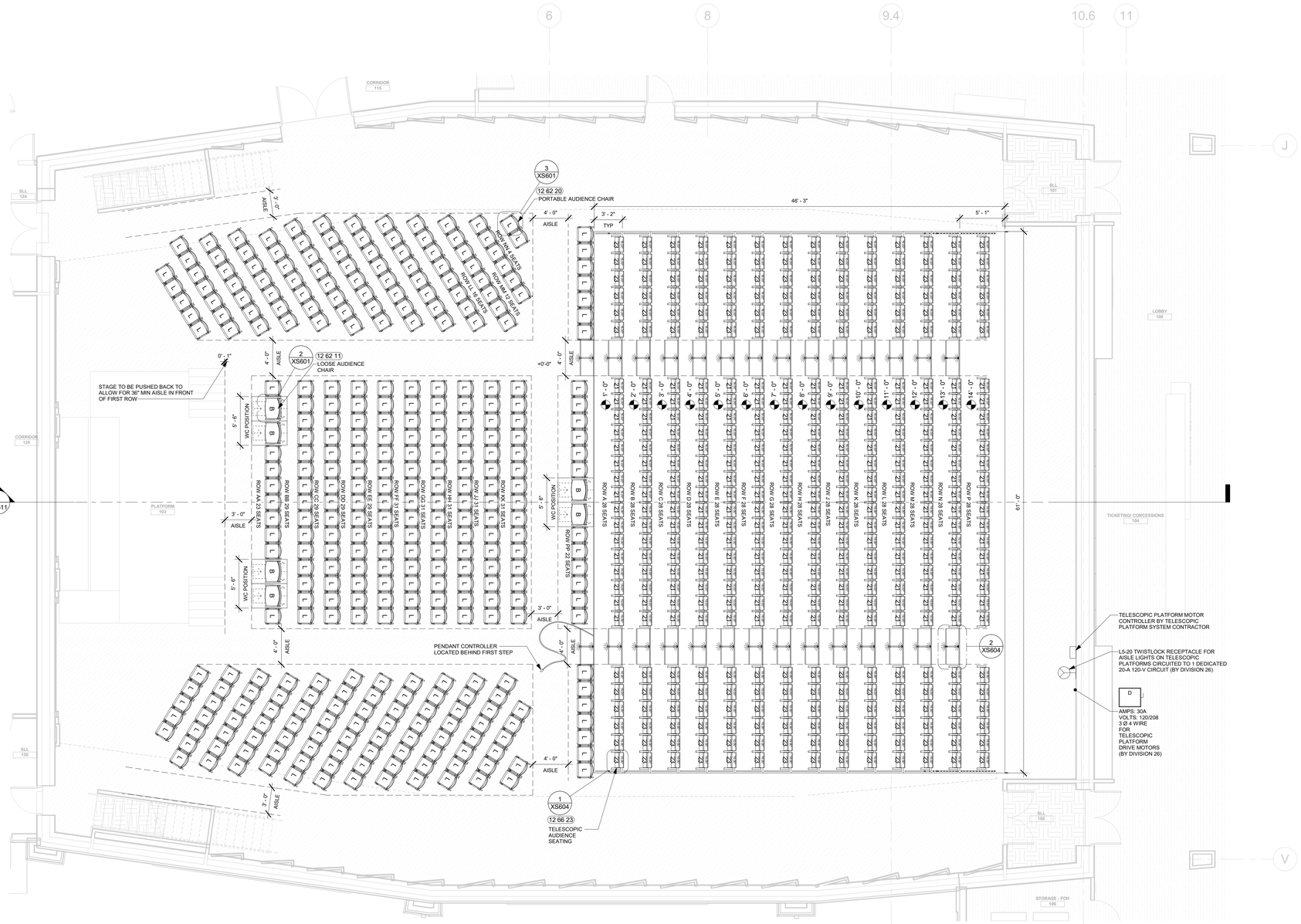
THEATRE SEATING: DRAWING INDEX, TYPICAL ABBREVIATIONS, SYMBOLS, AND KEYS

DRAWING NUMBER

XS000

GMP SUBMITTAL - NOT FOR CONSTRUCTION

22390 2/15/2024 11:34:24 AM



1 LEVEL 01 PLAN - ORCHESTRA - SEATING LAYOUT - DEPLOYED
3/16" = 1'-0"

SEATING GENERAL NOTES

1. 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN COMPLIANCE:
   A. WHEELCHAIR / COMPANION POSITIONS AND DESIGNATED AISLE SEAT LOCATIONS ARE SHOWN FOR REFERENCE ONLY.
   B. ADA COMPLIANCE IS THE RESPONSIBILITY OF THE ARCHITECT AND THE ARCHITECTS DRAWINGS SHOULD BE REFERRED TO FOR ADA POSITIONS AND PROVISIONS.

2. AISLE LIGHTS:
   A. ALL AISLE WIDTHS TO BE VERIFIED BY THE ARCHITECT FOR COMPLIANCE WITH LOCAL BUILDING CODE, ADA, AND AHJ.
   B. AISLE LIGHTING MUST BE PROVIDED AT A MINIMUM OF 0.2 FOOTCANDLES AT THE FLOOR OF EGRESS PATHS (OR AS REQUIRED BY LOCAL BUILDING CODES) FOR ALL AISLES.
   C. AISLE LIGHTING CAN CONSIST OF LIGHTS MOUNTED TO THE END PANEL OF THE SEATS, IN THE STEP RISERS, WALL MOUNTED LIGHTS OR CEILING MOUNTED FIXTURES. ARCHITECT AND ELECTRICAL ENGINEER TO CONFIRM COMPLIANCE AND COVERAGE.

3. SEATS ARE ILLUSTRATIVE REFERENCES ONLY AND DO NOT REPRESENT THE ACTUAL SEAT STYLE OR SPECIFIC MODEL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MANUFACTURER, MODEL, MATERIALS, PERFORMANCE REQUIREMENTS, ETC.

SEATING LEGEND

- 21 — FLOOR MOUNTED FIXED SEAT (BACK PITCH ANGLE) (SEAT WIDTH)
- 23 — TELESCOPIC FIXED SEAT (BACK PITCH ANGLE) (SEAT WIDTH)
- B — LOOSE BARIATRIC CHAIR
- L — WOOD LOOSE CHAIR
- L — LOOSE CHAIR
- WHEELCHAIR POSITION
- C — COMPANION SEAT
- AISLE LIGHT
- AISLE LIGHT
- DESIGNATED AISLE SEAT

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HUSSEY GAY BELL
Established 1958

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

THEATRE SEATING: LEVEL 1 PLAN - SEATING LAYOUT - TELESCOPIC SEATING DEPLOYED

DRAWING NUMBER

XS411

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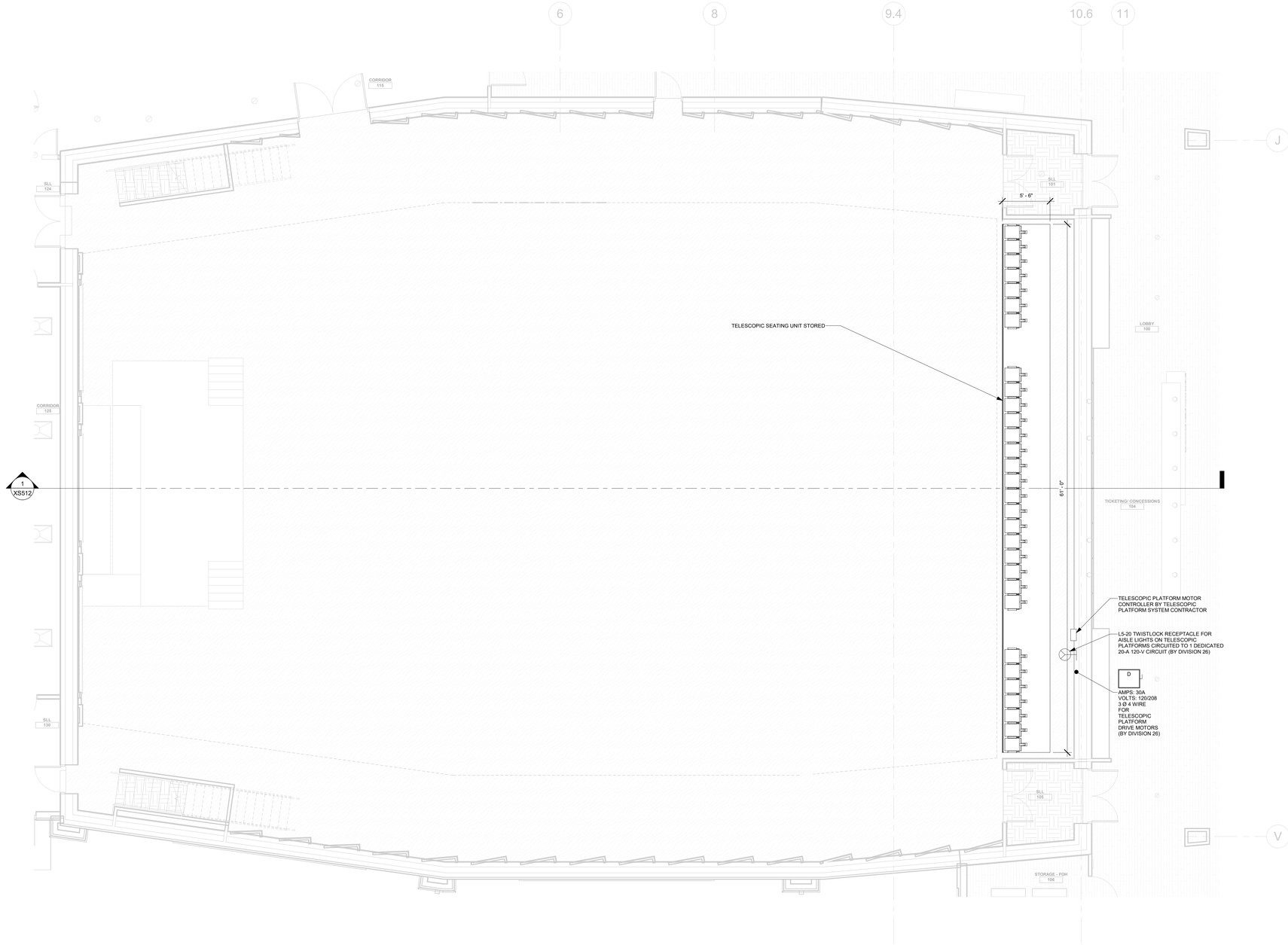

1 LEVEL 01 PLAN - ORCHESTRA - SEATING LAYOUT - STORED
3/16" = 1'-0"

SEATING GENERAL NOTES
1. 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN COMPLIANCE: A. WHEELCHAIR / COMPANION POSITIONS AND DESIGNATED AISLE SEAT LOCATIONS ARE SHOWN FOR REFERENCE ONLY. B. ADA COMPLIANCE IS THE RESPONSIBILITY OF THE ARCHITECT AND THE ARCHITECTS DRAWINGS SHOULD BE REFERRED TO FOR ADA POSITIONS AND PROVISIONS. 2. AISLE LIGHTS: A. ALL AISLE WIDTHS TO BE VERIFIED BY THE ARCHITECT FOR COMPLIANCE WITH LOCAL BUILDING CODE, ADA, AND AHJ. B. AISLE LIGHTING MUST BE PROVIDED AT A MINIMUM OF 0.2 FOOTCANDLES AT THE FLOOR OF EGRESS PATHS (OR AS REQUIRED BY LOCAL BUILDING CODES) FOR ALL AISLES. C. AISLE LIGHTING CAN CONSIST OF LIGHTS MOUNTED TO THE END PANEL OF THE SEATS, IN THE STEP RISERS, WALL MOUNTED LIGHTS OR CEILING MOUNTED FIXTURES. ARCHITECT AND ELECTRICAL ENGINEER TO CONFIRM COMPLIANCE AND COVERAGE. 3. SEATS ARE ILLUSTRATIVE REFERENCES ONLY AND DO NOT REPRESENT THE ACTUAL SEAT STYLE OR SPECIFIC MODEL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MANUFACTURER, MODEL, MATERIALS, PERFORMANCE REQUIREMENTS, ETC.

SEATING LEGEND	
21	FLOOR MOUNTED FIXED SEAT (BACK PITCH ANGLE) (SEAT WIDTH)
23T	TELESCOPIC FIXED SEAT (BACK PITCH ANGLE) (SEAT WIDTH)
B	LOOSE BARIATRIC CHAIR
L	WOOD LOOSE CHAIR
L	LOOSE CHAIR
	WHEELCHAIR POSITION
C	COMPANION SEAT
	AISLE LIGHT
	AISLE LIGHT
	DESIGNATED AISLE SEAT

HUSSEY GAY BELL
Established 1958

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

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CENTER FOR THE ARTS
BRUNSWICK, GA 31520

THEATRE SEATING: LEVEL 1 PLAN - SEATING LAYOUT - TELESCOPIC SEATING STORED

DRAWING NUMBER

XS412

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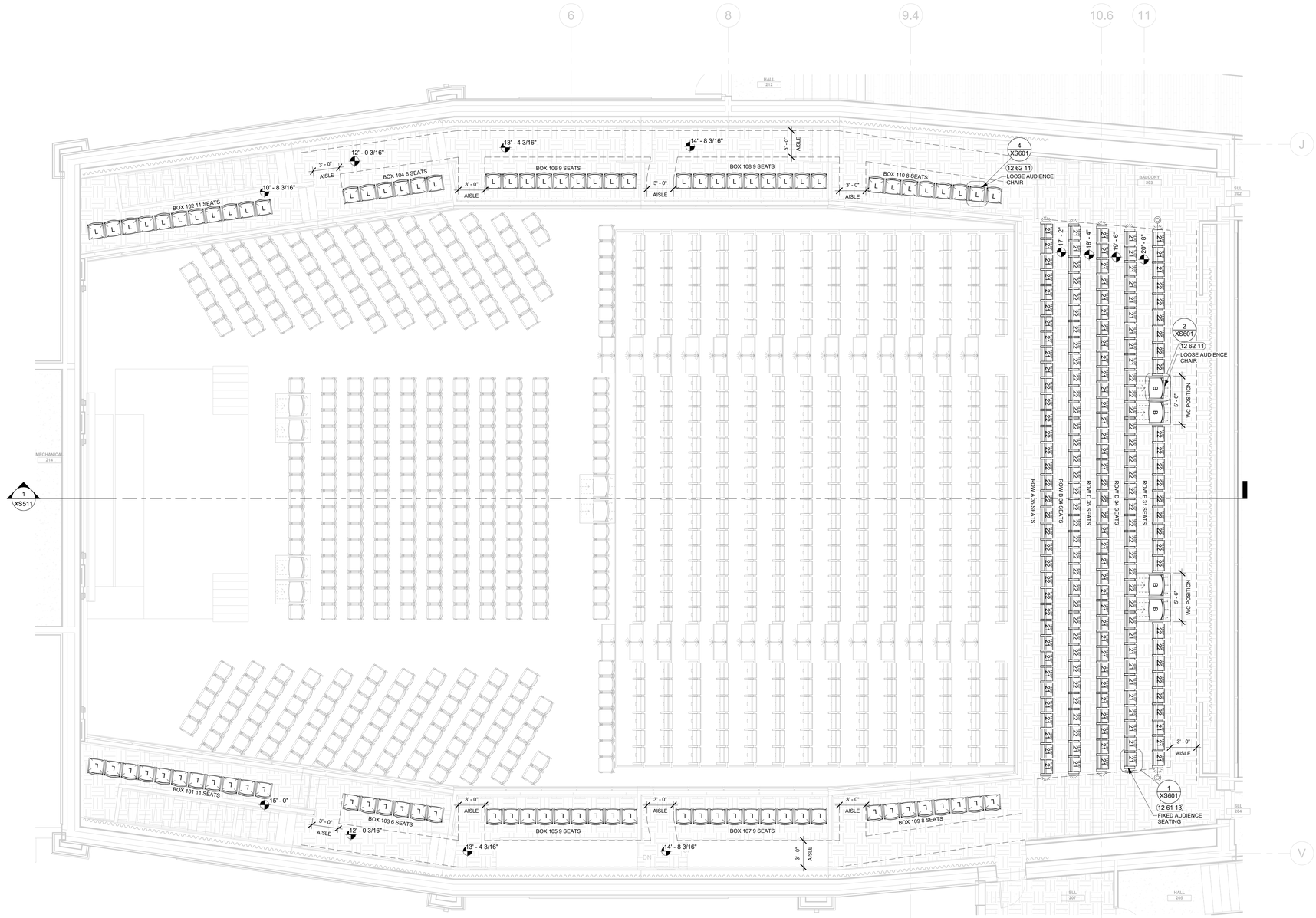

1 LEVEL 02 PLAN - BALCONY - SEATING LAYOUT
3/16" = 1'-0"

SEATING GENERAL NOTES

1. 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN COMPLIANCE:
   A. WHEELCHAIR / COMPANION POSITIONS AND DESIGNATED AISLE SEAT LOCATIONS ARE SHOWN FOR REFERENCE ONLY.
   B. ADA COMPLIANCE IS THE RESPONSIBILITY OF THE ARCHITECT AND THE ARCHITECT'S DRAWINGS SHOULD BE REFERRED TO FOR ADA POSITIONS AND PROVISIONS.

2. AISLE LIGHTS:
   A. ALL AISLE WIDTHS TO BE VERIFIED BY THE ARCHITECT FOR COMPLIANCE WITH LOCAL BUILDING CODE, ADA, AND AHJ.
   B. AISLE LIGHTING MUST BE PROVIDED AT A MINIMUM OF 0.2 FOOTCANDLES AT THE FLOOR OF EGRESS PATHS (OR AS REQUIRED BY LOCAL BUILDING CODES) FOR ALL AISLES.
   C. AISLE LIGHTING CAN CONSIST OF LIGHTS MOUNTED TO THE END PANEL OF THE SEATS, IN THE STEP RISERS, WALL MOUNTED LIGHTS OR CEILING MOUNTED FIXTURES. ARCHITECT AND ELECTRICAL ENGINEER TO CONFIRM COMPLIANCE AND COVERAGE.

3. SEATS ARE ILLUSTRATIVE REFERENCES ONLY AND DO NOT REPRESENT THE ACTUAL SEAT STYLE OR SPECIFIC MODEL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MANUFACTURER, MODEL, MATERIALS, PERFORMANCE REQUIREMENTS, ETC.

SEATING LEGEND

- 21 — FLOOR MOUNTED FIXED SEAT (BACK PITCH ANGLE) (SEAT WIDTH)
- 21 — TELESCOPIC FIXED SEAT (BACK PITCH ANGLE) (SEAT WIDTH)
- B — LOOSE BARIATRIC CHAIR
- L — WOOD LOOSE CHAIR
- L — LOOSE CHAIR
- WHEELCHAIR POSITION
- C — COMPANION SEAT
- AISLE LIGHT
- AISLE LIGHT
- DESIGNATED AISLE SEAT

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22390 2/15/2024 11:35:16 AM

HUSSEY GAY BELL
Established 1958

REVISIONS: △

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

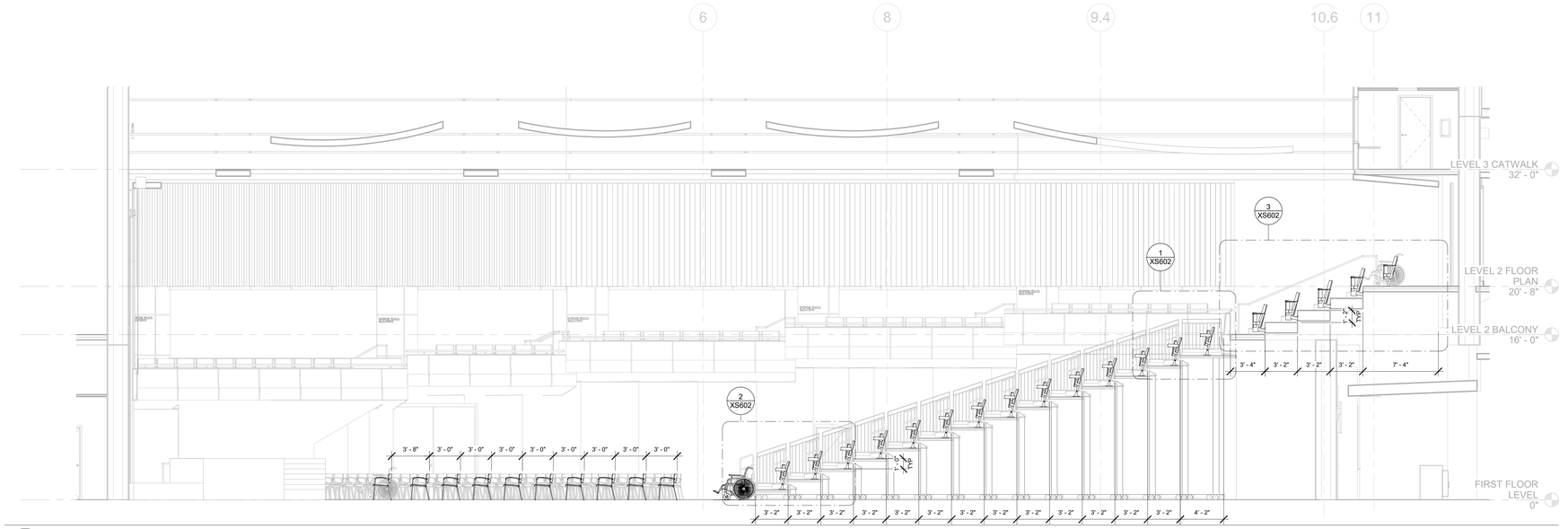
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

THEATRE SEATING: LEVEL 2 PLAN - SEATING LAYOUT

DRAWING NUMBER

XS413



1 CENTERLINE SECTION - DEPLOYED
3/16" = 1'-0"

HUSSEY GAY BELL
Established 1958

REVISIONS: △

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

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BRUNSWICK, GA 31520

THEATRE SEATING: CENTERLINE SECTION - TELESCOPIC SEATING DEPLOYED

DRAWING NUMBER

XS511

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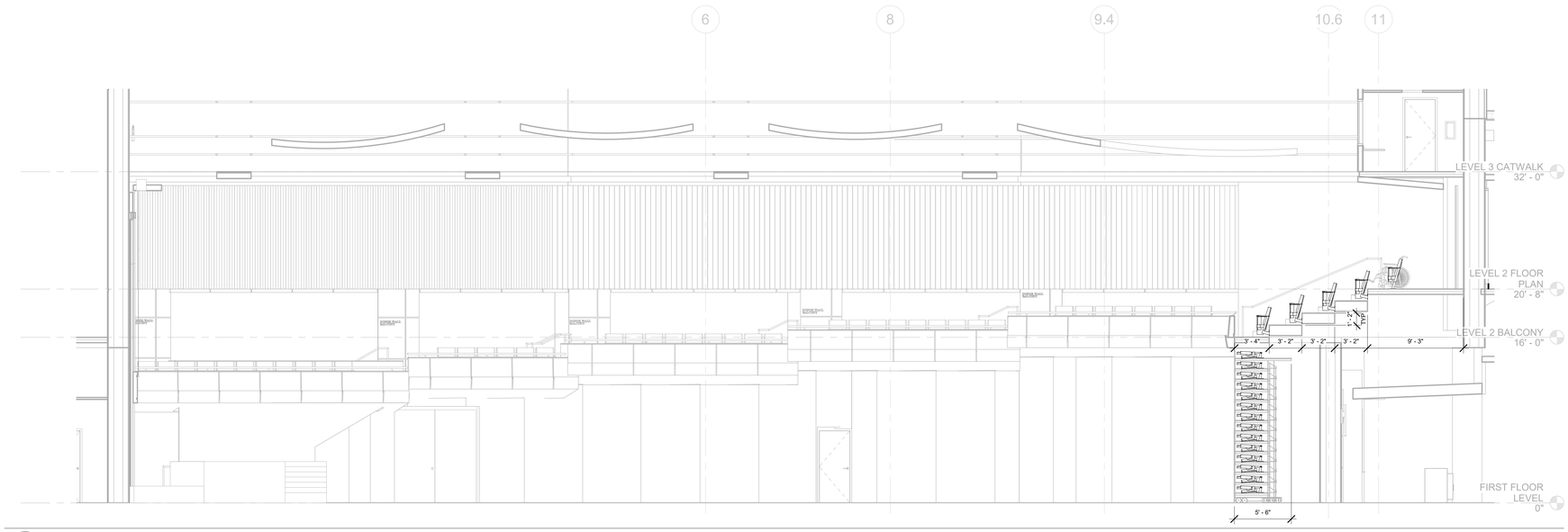


1 CENTERLINE SECTION - STORED
3/16" = 1'-0"

HUSSEY GAY BELL
Established 1958

REVISIONS: △

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

THEATRE SEATING: CENTERLINE SECTION - TELESCOPIC SEATING STORED

DRAWING NUMBER

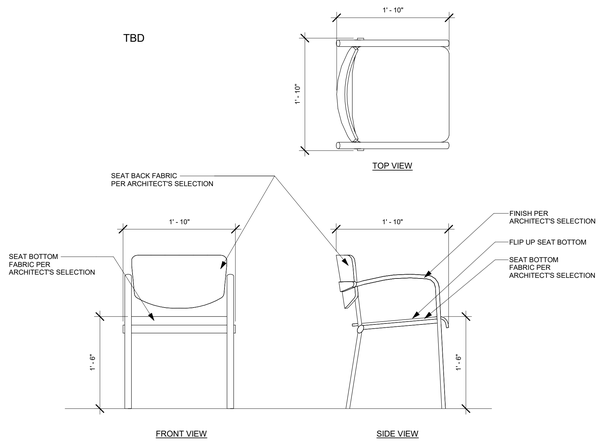
XS512

GMP SUBMITTAL - NOT FOR CONSTRUCTION

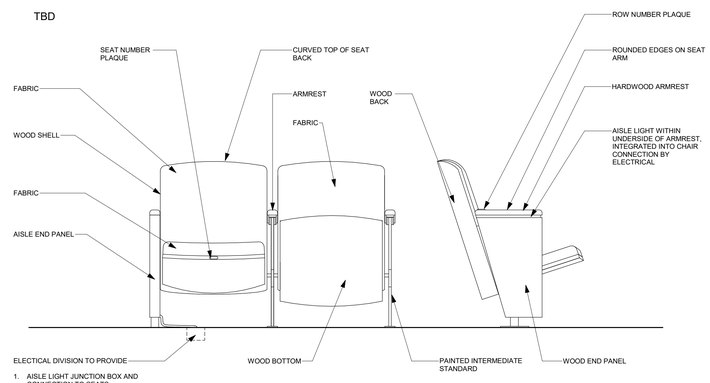
22390 2/15/2024 11:35:19 AM

SEATING INVENTORY				
SEAT TYPE	WIDTH	BACK PITCH ANGLE	COUNT	COMMENTS
ORCHESTRA				
LOOSE BARIATRIC THEATRE CHAIR-WOOD	30"		6	
PORTABLE AUDIENCE CHAIR	22"		348	
TELESCOPIC FIXED THEATRE CHAIR	21"	16°	224	
TELESCOPIC FIXED THEATRE CHAIR	23"	16°	168	
BALCONY				
FIXED THEATRE CHAIR	21"	14°	80	
FIXED THEATRE CHAIR	22"	14°	85	
LOOSE BARIATRIC THEATRE CHAIR-WOOD	30"		4	
LOOSE THEATRE CHAIR-WOOD	22"		86	
			1001	
GRAND TOTAL			1001	

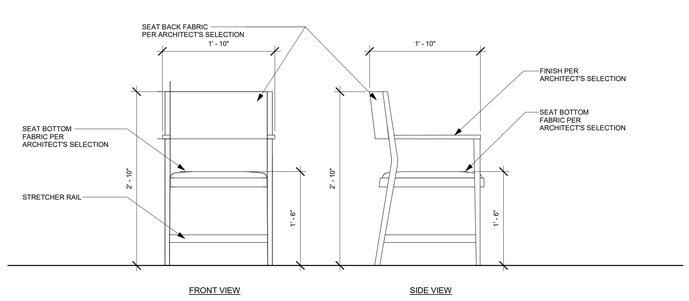
SEATING INVENTORY SUMMARY				
SEAT TYPE	WIDTH	BACK PITCH ANGLE	COUNT	COMMENTS
FIXED THEATRE CHAIR	21"	14°	80	
FIXED THEATRE CHAIR	22"	14°	85	
LOOSE BARIATRIC THEATRE CHAIR-WOOD	30"		10	
LOOSE THEATRE CHAIR-WOOD	22"		86	
PORTABLE AUDIENCE CHAIR	22"		348	
TELESCOPIC FIXED THEATRE CHAIR	21"	16°	224	
TELESCOPIC FIXED THEATRE CHAIR	23"	16°	168	
GRAND TOTAL			1001	



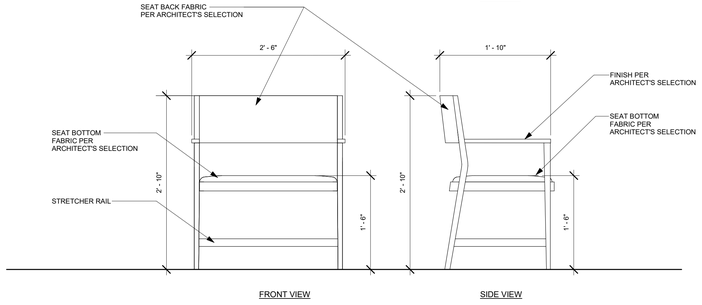
3 PORTABLE AUDIENCE CHAIR BASIS OF DESIGN - DETAIL
1" = 1'-0"



1 FIXED AUDIENCE SEATING - DETAIL
1" = 1'-0"



4 WOOD LOOSE CHAIR BASIS OF DESIGN - DETAIL
1" = 1'-0"



2 BARIATRIC WOOD LOOSE AUDIENCE CHAIR BASIS OF DESIGN - DETAIL
1" = 1'-0"

HUSSEY GAY BELL
Established 1958

REVISIONS:

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Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

THEATRE SEATING: THEATRE - THEATRE SEATING
SCHEDULES AND DETAILS

DRAWING NUMBER

XS601

22390 2/15/2024 11:35:31 AM

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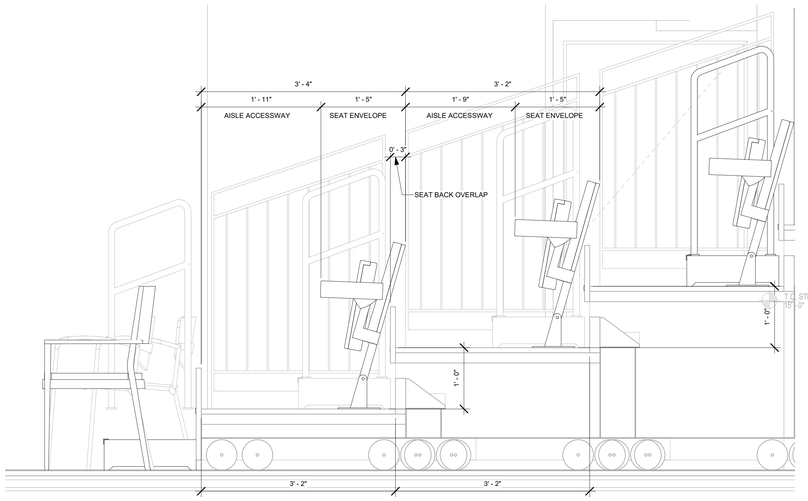
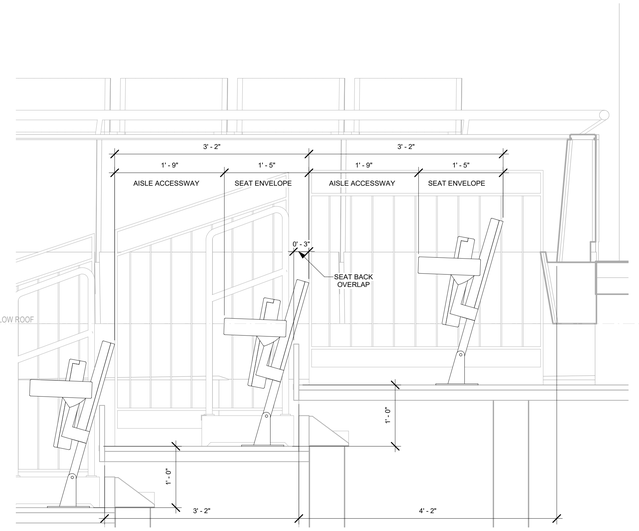
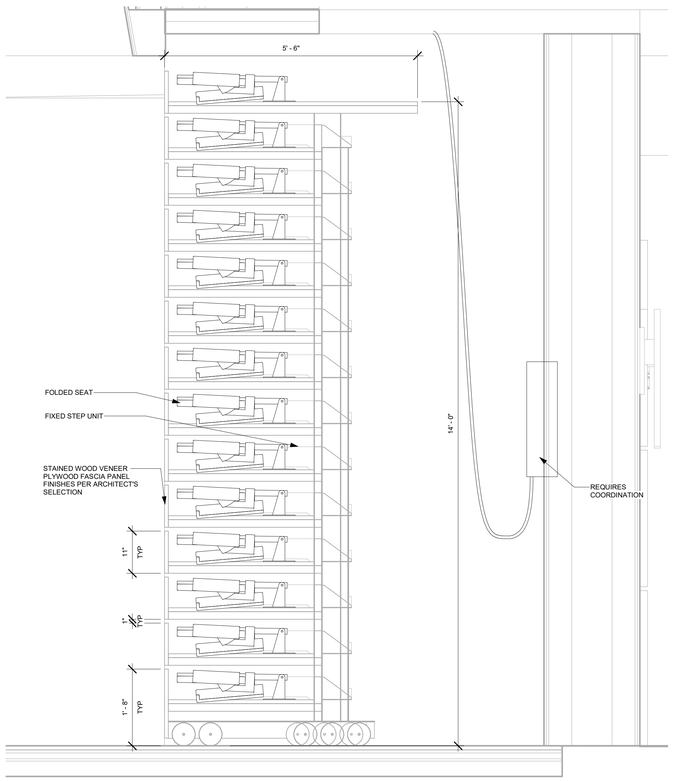


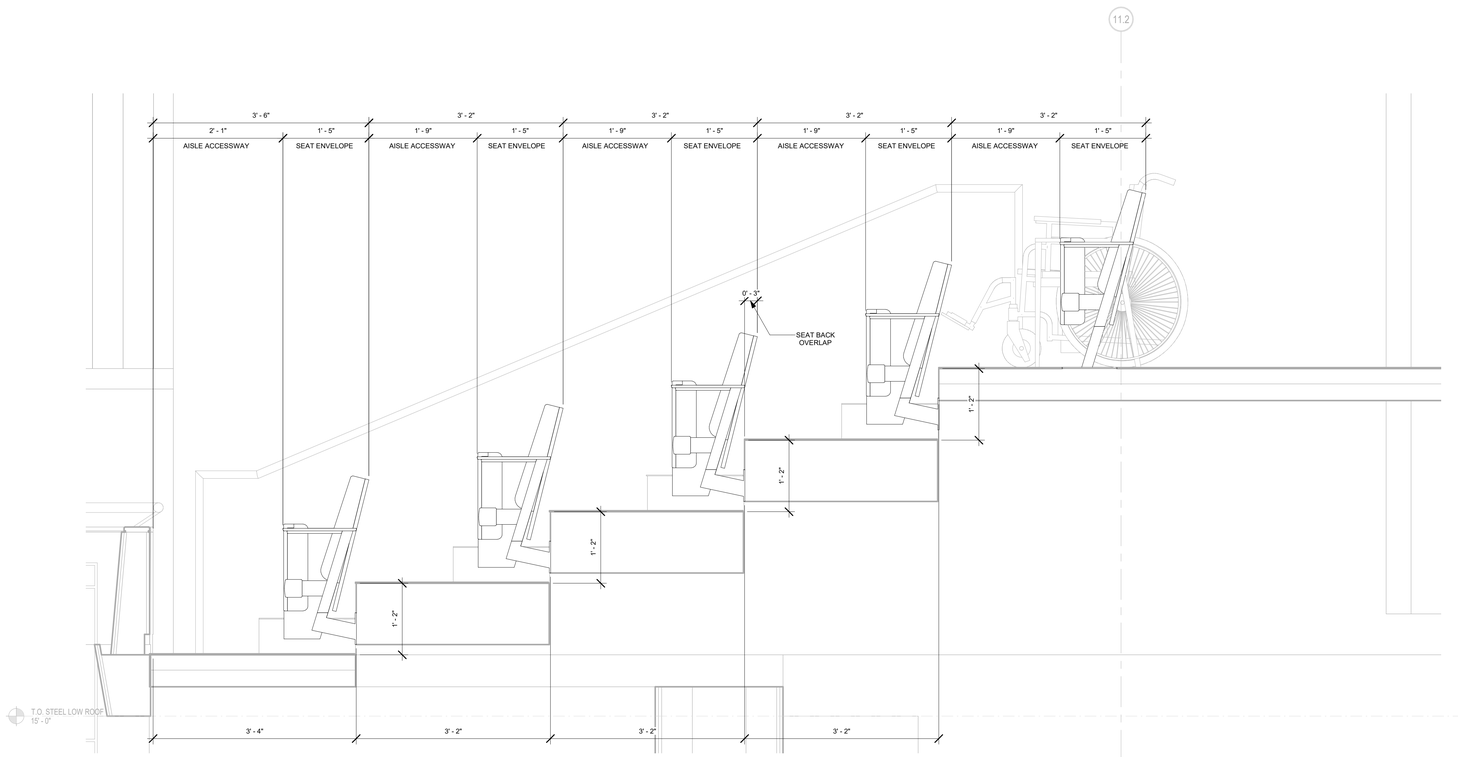
2 FRONT TELESCOPIC SEATING DETAIL
1" = 1'-0"



1 REAR TELESCOPIC SEATING DETAIL
1" = 1'-0"



4 TELESCOPIC SEATING STORED DETAIL
3/4" = 1'-0"



3 BALCONY SEATING DETAIL
1" = 1'-0"

HUSSEY GAY BELL
Established 1958

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

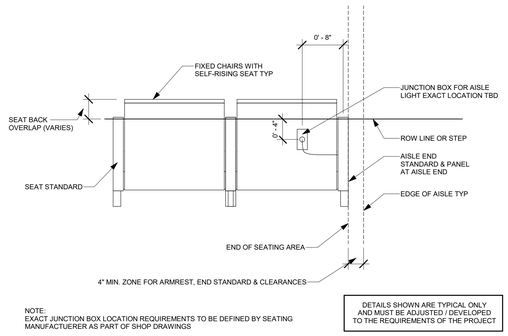
THEATRE SEATING: THEATRE - SEATING SECTION DETAILS

DRAWING NUMBER

XS602

GMP SUBMITTAL - NOT FOR CONSTRUCTION

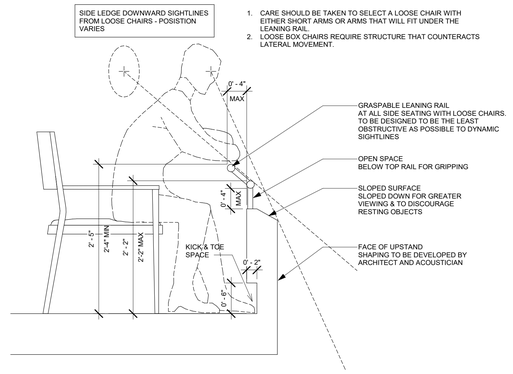
22390 2/15/2024 11:35:39 AM



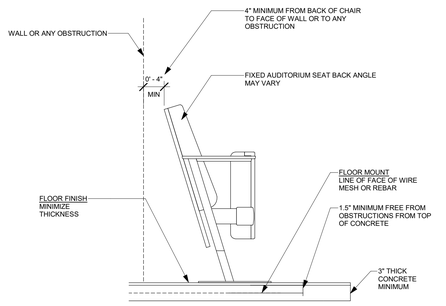
NOTE:
EXACT JUNCTION BOX LOCATION REQUIREMENTS TO BE DEFINED BY SEATING MANUFACTUERER AS PART OF SHOP DRAWINGS

DETAILS SHOWN ARE TYPICAL ONLY
AND MUST BE ADJUSTED / DEVELOPED
TO THE REQUIREMENTS OF THE PROJECT

3 FIXED SEATING GUIDELINES PLAN
1" = 1'-0"

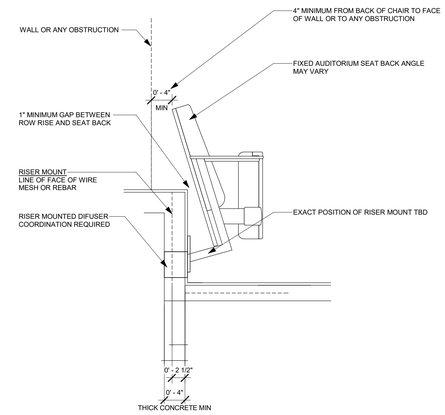


1 BALCONY FRONT GUIDELINES SIDE LEDGE
1" = 1'-0"



1. CONCRETE COMPRESSIVE STRENGTH: 3000 P.S.I.
2. STRUCTURAL LIGHT WEIGHT CONCRETE - ACCEPTABLE ONLY IF MINIMUM 2500 P.S.I. & A DRY WEIGHT OF 90 TO 115 LBS. PER CUBIC FOOT.

4 FIXED SEATING GUIDELINES - FLOOR MOUNTED - SECTION
1" = 1'-0"



1. CONCRETE COMPRESSIVE STRENGTH: 3000 P.S.I.
2. STRUCTURAL LIGHT WEIGHT CONCRETE - ACCEPTABLE ONLY IF MINIMUM 2500 P.S.I. & A DRY WEIGHT OF 90 TO 115 LBS. PER CUBIC FOOT.

2 FIXED SEATING GUIDELINES - RISER MOUNT - SECTION
1" = 1'-0"

HUSSEY GAY BELL
Established 1958

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

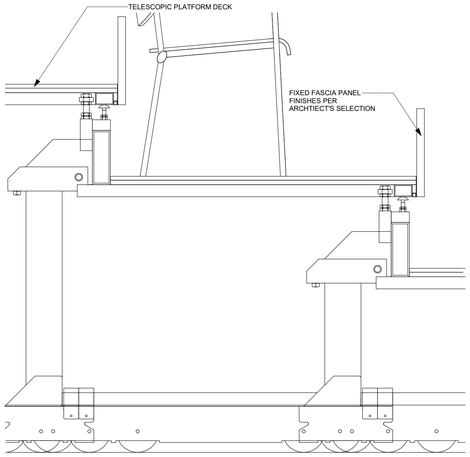
THEATRE SEATING: THEATRE - SEATING DETAILS

DRAWING NUMBER

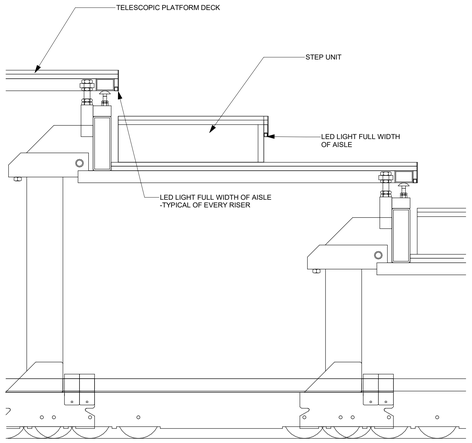
XS603

22390 2/15/2024 11:35:42 AM

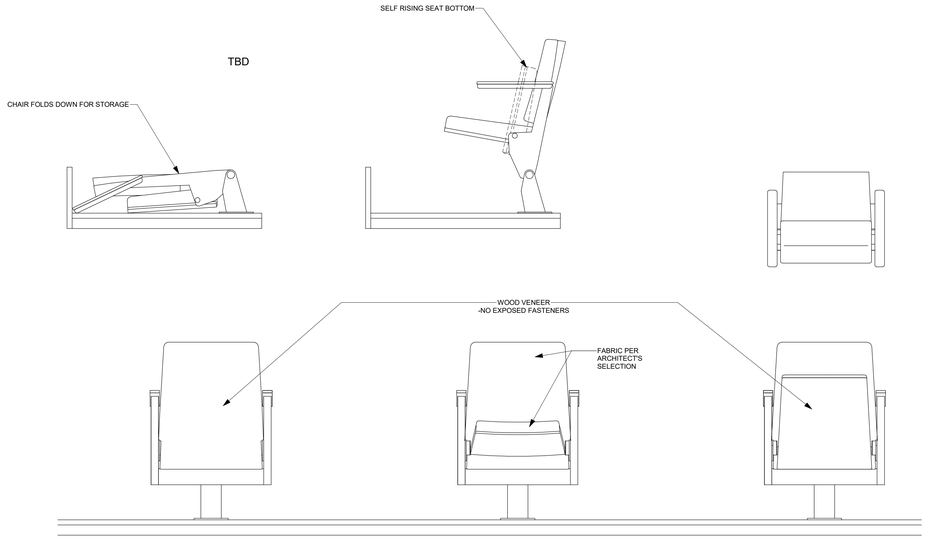
GMP SUBMITTAL - NOT FOR CONSTRUCTION



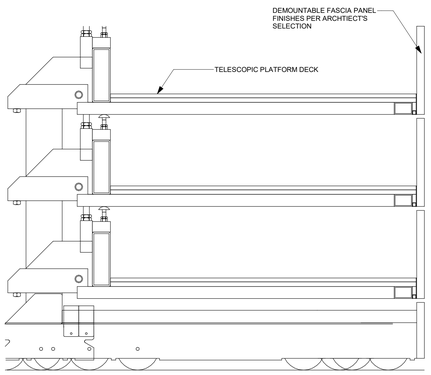
6 SECTION THROUGH TELESCOPIC RISER WITH FASCIA - DEPLOYED
1 1/2" = 1'-0"



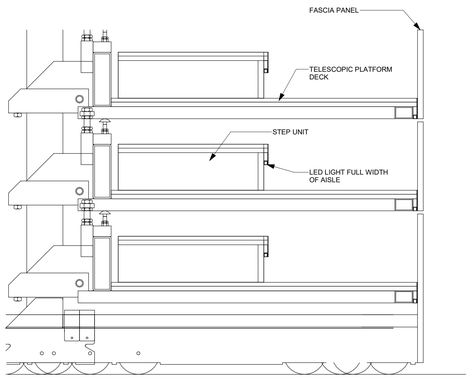
4 SECTION THROUGH STEP - DEPLOYED
1 1/2" = 1'-0"



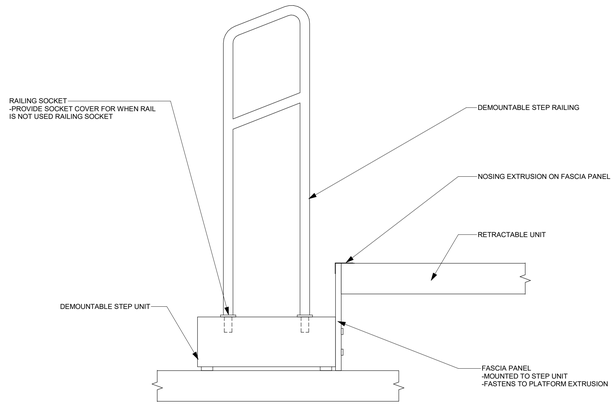
1 RETRACTABLE SEAT - DETAIL
1" = 1'-0"



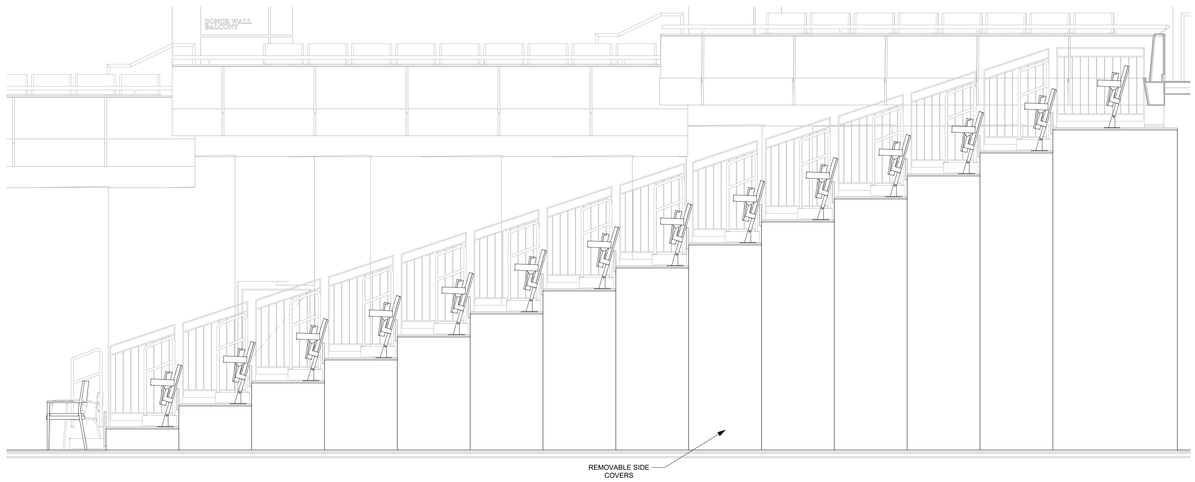
7 SECTION THROUGH TELESCOPIC RISER WITH FASCIA - RETRACTED
1 1/2" = 1'-0"



5 SECTION THROUGH STEP - RETRACTED
1 1/2" = 1'-0"



2 DEMOUNTABLE STEP MIDDLE AISLE- CENTER HANDRAIL
1 1/2" = 1'-0"



3 TELESCOPIC SEATING SIDE PANELS DETAIL
3/8" = 1'-0"

HUSSEY GAY BELL
Established 1958

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

THEATRE SEATING: THEATRE - TELESCOPIC SEATING DETAILS

DRAWING NUMBER

XS604

22390 2/15/2024 11:35:45 AM

GMP SUBMITTAL - NOT FOR CONSTRUCTION

CD+M Lighting Design Group — Atlanta • Dubai • Los Angeles

LIGHT FIXTURE SCHEDULE

Coastal Community Center for The Arts
Brunswick, GA
Project # 23.26
Date February 19, 2024

General Fixture Notes:

- Lamps are specified by lamp ordering code. Unless otherwise noted Philips lamps are specified. No Lamps are to be substituted without approval.
- Refer to electrical and architectural floor plans for additional lighting information.
- Contractor and electrical engineer to confirm all voltages.
- When single manufacturers are indicated, proposals of alternate prices for manufacturers not listed shall be equal in performance to base fixture specified. If alternate fixtures are accepted, the accepted alternate manufacturer shall submit complete shop drawings and photometric data and present that their product(s) meet or exceed the standards of the base fitting specified. Operating sample fixtures may be required for each type.

Type	Fixture Information: Manufacturer & Model	Product Code	Description	Dimming Protocol	Lamping Info	Location	Total System Input Power	Issue Date
INTERIOR FIXTURES								
S101	Klik Pod	LP-40-30K-S-XX-FRS	• LED pod to integrate into handrail by others • 141 delivered lumens, 3000K emitters, 85+ CRI, ±50K bin • 1.02" diameter x 1.18" tall • Symmetric distribution • Remote 0-10 V dimmable driver • Voltage per E.E. drawings **NOTE: COORDINATE WITH HANDRAIL MANUFACTURER, PLACE ALL REMOTE DRIVERS IN A DRY, VENTILATED, ACCESSIBLE AREA**	0-10V	LED	FEATURE STAIR	2.5 W	October 20, 2023
S102A	REMOVED FROM PROJECT							February 19, 2024
S102B	Kelvix	CH3000-LENGTH PER DRAWING-30CQ-SF-EC / PH30K-24V / ULV96	• Surface mount tape light with 30 degree graze channel • 330 lm/ft delivered; 3000K emitters, 90+ CRI • 0.98" wide x 1.16" tall x length per drawings • 30 degree graze distribution • Remote 0-10V dimmable driver ; dimmable to 1% • Voltage per E.E. • Finish per Arch. **NOTE: BOTTOM OF CHANNEL TO MOUNT ABOVE CEILING EDGE**		LED	LEVEL 1	3.2 W/FT	February 19, 2024
S103A	MODERN FORMS "Pisces"	PD-34408-3000K-FINISH	• Decorative LED pendant • 700 delivered lumens; 3000K; 90CRI • 9" diameter x max 127" / min 17" stem • Lambertian distribution • Integral ELV dimmable driver (dimmable to 5%) • Voltage per E.E. • Finish per Arch. • Stem length varies. Consult ID + Lighting Designer for specific layout		LED	LEVEL 2	14.2 W	February 19, 2024
S103B	MODERN FORMS "Pisces"	PD-344XX-3000K-FINISH	Similar to S103A but larger diameter		LED	LEVEL 2	14.2 W	February 19, 2024
S104A	QTRAN	VERS-04-SW-3.0-30-DRY-25D-L18K / QTMxLED+0-10V	• LED tape light to integrate into balcony edge • 281 lm/ft delivered; 3000K emitters; 90+ CRI • 1.08" width x 1.18" height x length per drawings • 25 beam spread • Remote 0-10V dimmable driver; dimmable to 0.1% • Voltage per E.E. • Finish per Arch. • Black plastic louver accessory		LED	AUDITORIUM BALCONY COVE	3 W/FT	October 20, 2023
S104B	QTRAN	VERS-05-SW-3.0-30-DRY-SQ-L1WH / QTMxLED+0+10V	• LED linear tape light to integrate into railing edge • 283 lm/ft delivered; 3000K emitters; 90+ CRI • 1.08" width x 1.18" height x length per drawings • 50° beam spread • Remote 0-10V dimmable driver; dimmable to 0.1% • Voltage per E.E. • Finish per Arch. • White plastic louver accessory		LED	AUDITORIUM STAIR COVE	3 W/FT	October 20, 2023
S105	ALUZ	A-ZABA-BLT-4-10V-30K-SLC-LENGTH	• Theater step light • 50 delivered lumens; 3000K; 90 CRI • 4" on center, length per drawings • Symmetrical • Remote 0-10V dimmable driver; dimmable to 0.1% • Voltage per E.E. • Finish per Arch. • Accessories		LED	AUDITORIUM SEATING STAIRS	1 W/FT	October 20, 2023
S105A	ALUZ	A7-ZYKU-CRP-4-10V-30K-SLC-LENGTH / CONNECTORS / MOUNTING	• Theater step light for carpeted areas • 50 delivered lumens; 3000K; 90 CRI • 4" on center, length per drawings • Symmetrical • Remote 0-10V dimmable driver; dimmable to 0.1% • Voltage per E.E. • Finish per Arch. **NOTE: MOUNTING AND CONNECTION ACCESSORIES TO BE SORTED OUT WITH RAMP SECTION DETAIL**		LED	AUDITORIUM RAMP	0.75 W/FT	February 19, 2024
S106	MP LIGHTING	L770-6W-W30H-FINISH / DRIVER	• Wall recessed step light • 53 delivered lumens; 3000K; 90+ CRI • 5-7/8" wide x 2-3/4" tall x 1/2" inset into wall • Asymmetric distribution • Integral, non-dim driver • Voltage per E.E. • Finish per Arch. **NOTE: DRIVER MOUNTS WITHIN WALL-RECESSED J-BOX**		LED	LIGHT LOCKS	6 W	February 19, 2024
S107	SPI LIGHTING	E1W12180-L108W-VOLTAGE-3000K-90-DFDM-SSB-DAB-FINISH	• Wall mount asymmetric up light • 12,000 delivered lumens; 3000K 90+ CRI • 15.5" wide x 3.1" tall x 12" projection from wall • Asymmetric beam with no backlight • Integral, 0-10V dimmable to 1% • Voltage per E.E. • Finish per Arch. • Mounts to J-Box		LED	BELL TOWER	108 W	October 20, 2023
S108	MODERN FORMS "Ophelia"	WS-2210-3000K-FINISH	• Decorative LED wall sconce • 881 delivered lumens; 3000K; 90 CRI • 10" diameter x 2.25" projection from wall • Lambertian distribution • Integral, ELV dimmable driver • Voltage per E.E. • Finish per Arch. **NOTE: MOUNTING HEIGHT PER I.D.**		LED	LEVEL 1	26.8 W	February 19, 2024
S109	INTENSE LIGHTING	GD4AR-L6-309-ED10V01-VOLTAGE-FL / IRA400-FINISH-SF / PFLMB-63	• Recessed adjustable round LED downlight • 3000 delivered lumens; 3000K 90CRI • 5-9/16" outer trim diameter x 4-1/2" aperture diameter; 1-1/4" tall reflector x 7-1/4" housing height • 40 degree beam • Integral, 0-10V dimming driver; Dimmable to 0.1% • Reflector finish • Flange finish • 362 degree rotatability and 40 degree lockable aim • Hex cell louver accessory		LED	AUDITORIUM	34 W	October 20, 2023
S109A	INTENSE LIGHTING	GD4AR-L3-309-ED10V01-VOLTAGE-FL / IRA400-FINISH-SF / PFLMB-63	• Recessed adjustable round LED downlight • 1500 delivered lumens; 3000K 90CRI • 5-9/16" outer trim diameter x 4-1/2" aperture diameter; 1-1/4" tall reflector x 7-1/4" housing height • 40 degree beam • Integral, 0-10V dimming driver; Dimmable to 0.1% • Reflector finish • Flange finish • 362 degree rotatability and 40 degree lockable aim • Hex cell louver accessory		LED	AUDITORIUM	19 W	October 20, 2023

Type	Fixture Information: Manufacturer & Model	Product Code	Description	Dimming Protocol	Lamping Info	Location	Total System Input Power	Issue Date
INTERIOR FIXTURES								
S110	INTENSE LIGHTING	SS4G4DR-L3-308-ED10V1-VOLTAGE/C430-FINISH-SF	• Recessed fixed round LED downlight • 1178delivered lumens; 3000K 80CRI • 5-1/2" outer trim diameter x 4-1/8" aperture diameter; 1-1/4" tall reflector x 5-7/8" tall housing • 40 degree beam • Integral, 0-10V dimming driver; Dimmable to 1% • Reflector finish • Flange finish		LED	LOBBY	17.2 W	February 19, 2024
S111	INTENSE LIGHTING	MXQ2PRD-1-LO-309-ED10V01-36-FINISH-SL-S-PFLMB-4	• Surface mount LED cylinder • 900 delivered lumens; 3000K 90 CRI • 9" tall x 3-5/8" diameter • 36 degree beam • Remote 0-10V dimming driver; Dimmable to 0.1% • Finish per Arch. • Voltage per EE • Satila lens • Hexcell Louver		LED	LIGHT LOCKS	10 W	October 20, 2023
S111A	REMOVED FROM PROJECT							February 19, 2024
S112	FINELITE	HPWG-6W-4D-LENGTH-B-830-VOLTAGE-SC-WB-SSA-FEL-FER-SF	• LED Perimeter wall graze fixture • 300 delivered lumens per foot; 3000K 80CRI • 7-1/8" tall with 4" regress x 6-5/8" deep x length per drawings • Graze distribution • Integral, 0-10V dimming driver; Dimmable to 1% • Voltage per EE **LENGTHS TO BE VERIFIED IN THE FIELD PRIOR TO ORDERING FIXTURE**		LED	LEVEL 2 RESTROOM VESTIBULE	4.6W/FT	February 19, 2024
S113	INTENSE LIGHTING	SD4WR-L2-309-D101-VOLTAGE-IC437-HAZE-SF	• Recessed LED wall wash • 1500 delivered lumens; 3000K 90CRI and 2 SDCM binning • 5-1/2" outer trim diameter x 4-3/16" aperture diameter x 5-13/16" tall housing • Asymmetric distribution • Integral, 0-10V dimming driver; Dimmable to 1% • Voltage per E.E. • Haze reflector finish • Self-flange haze unless architect wants white flange		LED	LEVEL 1 DONOR WALL	19 W	February 19, 2024
S114	CON TECH LIGHTING	CTL-9052-F-3C-D-FINISH / F-91M-FINISH / LF16-SOL-50MM / CTL90512-M / CTL90512-W	• LED track head • 1462 delivered lumens; 3000K 90CRI • 5-1/4" long body x 2-3/4" diameter x 4-13/16" o.a. height • 35 degree beam • Integral forward-phase driver • Finish per architect • Iwocell louver accessory and holder • Satila lens accessory • Field changeable 23 and 52 degree reflectors		LED	LEVEL 2 LOBBY WALL	14 W	October 20, 2023
S114_TRACK	CON TECH LIGHTING	RTH-8-FINISH / CONNECTORS / DEAD ENDS / POWER FEED	• Recessed track • single circuit • 2-3/4" wide x 1-1/2" tall x 92-1/2" long • Flange finish per architect • Power feed, connector, and dead end accessories per layout		LED	RECESSED TRACK	N/A	October 20, 2023
S115	Intense Lighting	ICL-LED02-L2-30-2-D10-FINISH-50 / PFL-CL4-S	• Recessed dust head adjustable LED multi-fixture with trim • 3038 delivered lumens; 3000K 82CRI with 2-SDCM binning • 10-1/4" long x 3" wide x 6-5/8" o.a. height • 50 degree beam • 30 degree vertical tilt and 360 degree horizontal tilt • Integral 0-10V dimming driver (dims to 10%) • Finish per architect • Soft lens accessory		LED	LEVEL 2 TOP OF STAIRS	28 W	February 19, 2024
S116	LED LINEAR	ULTIMA-S-NANO-MAG-10-W930-36INCHES-BB-AS	• LED asymmetric linear fixture • 200 delivered lumens per foot; 3000K 90CRI with 2-SDCM binning • 1.0" tall x 1.0" wide x 36" long • Asymmetric beam • Black finish with black antiglare louver • Remote 0-10V dimming driver (dims to 1%) • Voltage per E.E. **NOTE: MAGNETIC MOUNT TO STEEL STRIP ATTACHED TO ARCHITECTURAL SHELF**		LED	AUDITORIUM DONOR WALLS	3.3 W/ft	February 19, 2024
S117	iGuzzini "Trick"	ITRC-S-HO-JB-830-BL180-REM-FINISH / 4548-0450-02-UNV-D10	• J-box mount specialty LED fixture • 146 delivered lumens; 3000K 80CRI • 4-7/8" diameter x 2-3/8" tall • 180 degree distribution of a very narrow beam of light • Remote 0-10V dimming driver (dims to 10%) • Finish per architect • Voltage per E.E.		LED	LEVEL 2	4.5 W	February 19, 2024
S118	LED LINEAR	ULTIMA-S-NANO-MAG-255-W930-36INCHES-BB-AS	• LED asymmetric linear fixture • 590 delivered lumens per foot; 3000K 90CRI with 2-SDCM binning • 1.0" tall x 1.0" wide x 36" long • Asymmetric beam • Black finish with black antiglare louver • Remote 0-10V dimming driver (dims to 1%) • Voltage per E.E. **NOTE: MAGNETIC MOUNT TO STEEL STRIP ATTACHED TO ARCHITECTURAL SHELF**		LED	MURAL WALL	9 W/ft	February 19, 2024
EXTERIOR FIXTURES								
S201	MODERN FORMS "Framed"	WS-W73660-3000K-FINISH	• Exterior wall sconce • 644delivered lumens; 3000K; 90CRI • 9" wide x 4" deep x 60" tall • Lambertian distribution at the top; medium beam out the bottom • Integral ELV dimmable driver; dimmable to 10% • Voltage per E.E. • Finish per Arch. • Wet listed **NOTE: TOP OF FIXTURE MOUNTS IN LINE WITH UPPER WINDOW MULLION**		LED	FAÇADE	15.7 W	February 19, 2024
S202	Lightolier "Slim Surface LED"	S4S-9-30K-7-FINISH-Z10U	• Exterior surface mount square downlight • 650 delivered lumens; 3000K; 80+ CRI • 4-3/8" x 4-3/8" x 5/8" tall • Lambertian distribution • Integral, 0-10V dimming driver • Voltage per E.E. • Finish per Arch. • Wet listed **NOTE: MOUNTS TO SEALED, WET-LISTED JBOX**		LED	CANOPY	10 W	February 19, 2024
S203	Kelvix	M30K-WR-24V	• Linear cove • 122 lm/ft delivered; 3000K; 90+ CRI • 1" wide x 2.75" tall x 78.74" long • Wall mounted vertical • Remote, dimmable driver 0-10V, dimmable to 1% with Hi-lume, DMX • Voltage per E.E. • Finish per Arch. • Accessories • IP67		LED	BELL TOWER	0.9 W/ft	October 20, 2023
S204	SPI LIGHTING	SEW12146-8FT0L32W-VOLTAGE-3000K-90-DF-MCS-PSE-NONE-8FT-SMA-18	Arm mount linear LED sign light 3254 delivered lumens; 3000K 90CRI Dimensions Beam angle Integral, 0-10V dimmable driver; Dimmable to 1% 18" mounting arms		LED	DONOR WALL	32 W	October 20, 2023

Sheet List

Sheet Number	Sheet Name
LC-00.01	LIGHTING FIXTURE SCHEDULE & NOTES
LC-01.01	LEVEL 1 FLOOR PLAN - LIGHTING
LC-01.02	LEVEL 2 FLOOR PLAN - LIGHTING
LC-02.01	BUILDING ELEVATIONS - LIGHTING
LC-02.02	BUILDING ELEVATIONS - LIGHTING
LC-08.01	LEVEL 1 - RCP - LIGHTING
LC-08.02	LEVEL 2 - RCP - LIGHTING
LC-08.03	CATWALK LEVEL - RCP - LIGHTING
LC-50.00	LIGHTING DETAILS

LIGHTING CONTROLS MATRIX

CONTRACTOR TO PROVIDE BID FOR LIGHTING CONTROLS SEPARATE FROM LIGHT FIXTURES

Space	Rooms Denominations & ID	System Description	Area	Zones Required	Fixtures	Load Type	Fixture Description
EXTERIOR	Site + Façade	On/off via timeclock - ETC	A1	Z1	S202	0-10V	canopy downlights
				Z2	S201	ELV	sconces
				Z3	S203	0-10V	linear at tower
				Z4	S204	0-10V	sign light
INTERIOR - LEVEL 1	Lobby + Main Stair	Preset scenes + dimming, Daylight harvesting, EM control on select zones -ETC 6 button wall station	A2	Z1	S101	0-10V	handrail light
				Z2	S108	ELV	wall sconce
				Z3	S110	0-10V	downlight
				Z4	S102B	0-10V	recessed linear wall wash
				Z5	S110	0-10V	downlight
				Z6	S118	0-10V	linear wall wash
				Z7	S115	0-10V	recessed multiples
	Auditorium	Integration with Theatrical lights, Preset scenes + dimming, EM control on select zones ETC (COMBINE WITH LEVEL 2 AREA 6)	A3	Z1	S106	non-dim	recessed step
				Z2	S106	non-dim	recessed step
				Z3	S106	non-dim	recessed step
				Z4	S106	non-dim	recessed step
				Z5	S105	0-10V	seating tape light
				Z6	S111	0-10V	surface cylinder
				Z7	S111	0-10V	surface cylinder
				Z8	S109A	0-10V	downlight
				Z9	S109A	0-10V	downlight
				Z10	S109A	0-10V	downlight
	Corridor	Preset scenes, Daylight harvesting, EM control on select zones -ETC	A4	Z1	S110	0-10V	downlight
				Z2	S112	0-10V	perimeter
				Z3	S110	0-10V	downlight
INTERIOR - LEVEL 2 + 3	Lobby + Main Stair	Preset scenes + dimming, Daylight harvesting, EM control on select zones -ETC 8 button wall station	A5	Z1	S107	0-10V	wall mount up light
				Z2	S111A	0-10V	cylinder pendant
				Z3	S114	forward phase	track lighting
				Z4	S103A	ELV	decorative pendant
				Z5	S103B	ELV	decorative pendant
				Z6	S115	0-10V	recessed multiples
	Auditorium	Integration with Theatrical lights, Preset scenes + dimming, EM control on select zones ETC (COMBINE WITH LEVEL 1 AREA 3)	A6	Z1	S106	non-dim	recessed step
				Z2	S106	non-dim	recessed step
				Z3	S104A	0-10V	balcony tape
				Z4	S104B	0-10V	stair rail tape
				Z5	S109A	0-10V	downlight
				Z6	S109	0-10V	adjustable downlight
				Z7	S109	0-10V	adjustable downlight
				Z8	S109 A	0-10V	adjustable downlight
				Z9	S109 A	0-10V	adjustable downlight
				Z10	S105	0-10V	seating tape light
				Z11	S106	non-dim	recessed step
				Z12	S109	0-10V	downlight
				Z13	S116	0-10V	donor wall light
	Corridor	Preset scenes, Daylight harvesting, EM control on select zones -ETC	A7	Z1	S110	0-10V	downlight
				Z2	S110	0-10V	downlight

CD+M Lighting Design Group

HUSSEY GAY BELL — Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:
- 100% DD
- GMP SUBMITTAL - NOT FOR CONSTRUCTION

DESIGNED	DRAWN	CHECKED
CAW	CAW	CAW

DATE: 2/26/2024

JOB NO. 222300701

COLLEGE OF COASTAL GEORGIA
COASTAL COMMUNITY CENTER FOR THE ARTS
BRUNSWICK, GA 31520

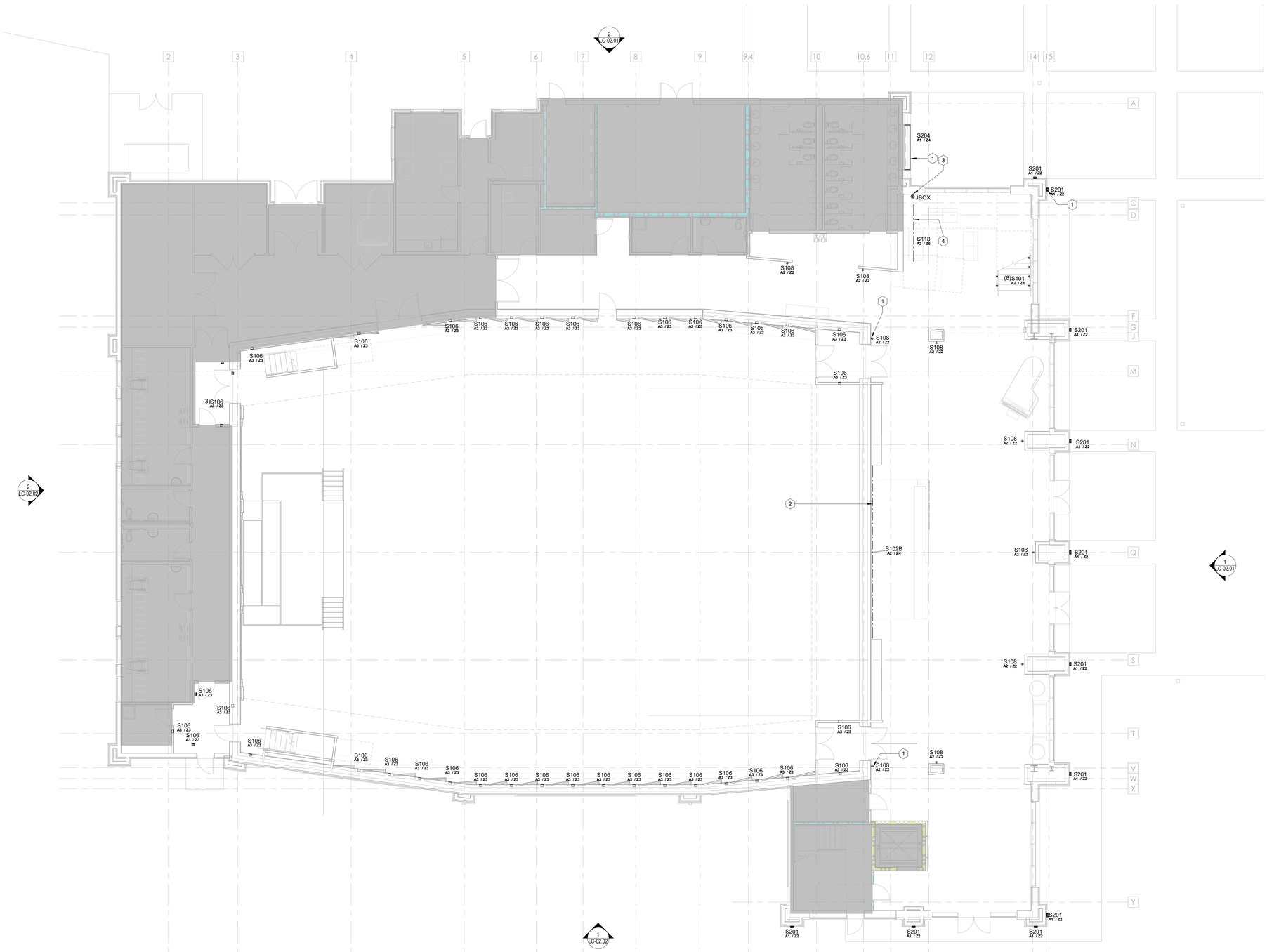
LIGHTING FIXTURE SCHEDULE & NOTES

DRAWING NUMBER

LC-00.01

GMP SET

LIGHTING KEYNOTES	
1	SCONCE HEIGHT AS PER ARCH./ID. DRAWINGS.
2	ARCHITECTURAL SHROUD BUILT OUT TO PROTECT FLOOR MOUNTED TAPE LIGHT.
3	JBOX TO POWER TABLE OR FLOOR LAMP
4	S118 TO MOUNT TO ARCHITECTURAL SURFACE 6" AFF. REMOTE DRIVER TO BE PLACED IN A DRY, ACCESSIBLE, VENTILATED AREA.



1 LC-01.01 **FIRST FLOOR LEVEL**
1/8" = 1'-0"

CD+M Lighting Design Group

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:
△ 100% DD
GMP SUBMITTAL - NOT FOR CONSTRUCTION

DESIGNED	DRAWN	CHECKED
CAW	CAW	CAW

DATE: 2/26/2024

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COLLEGE OF COASTAL GEORGIA
COASTAL COMMUNITY CENTER FOR THE ARTS
BRUNSWICK, GA 31520

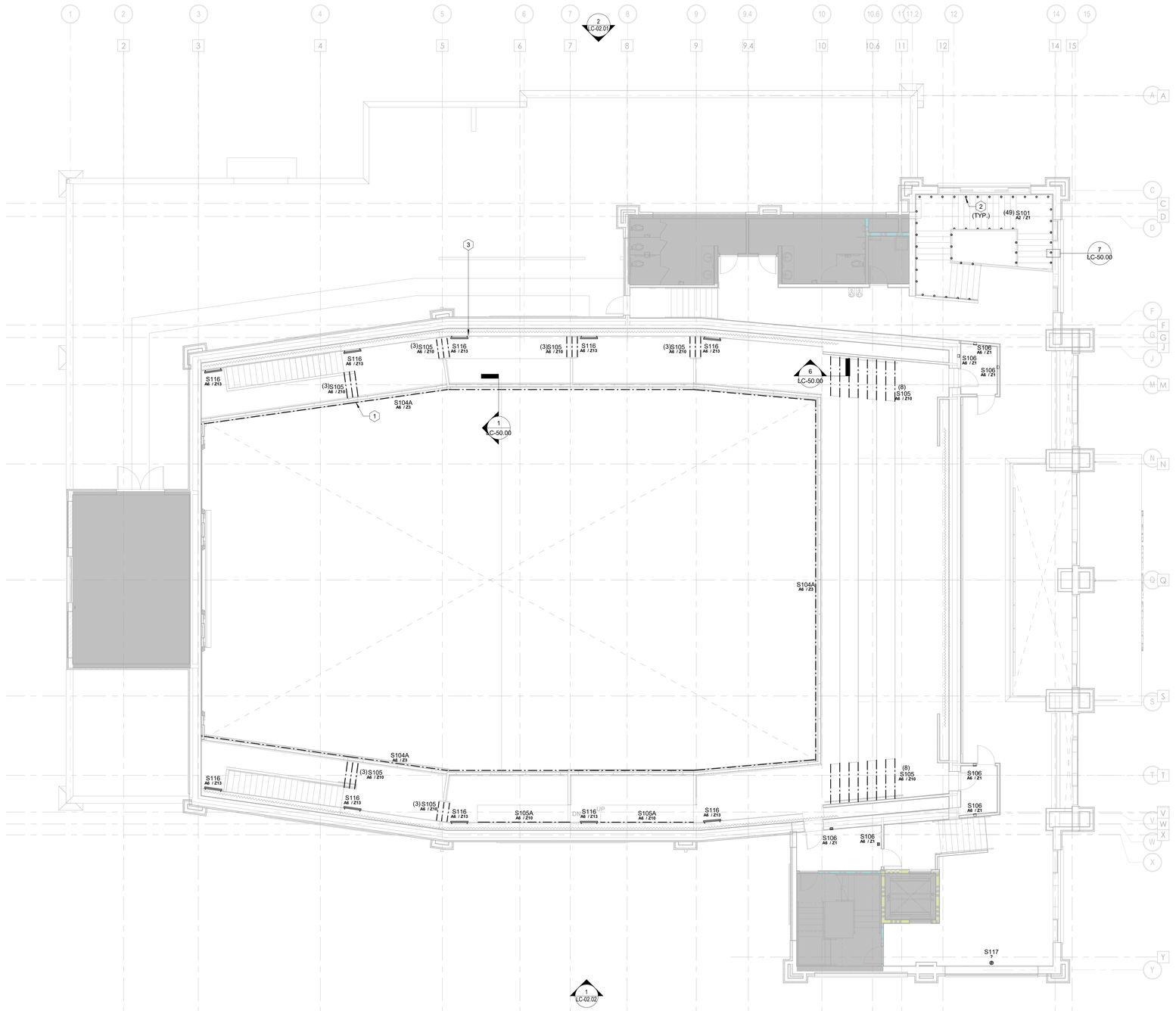
LEVEL 1 FLOOR PLAN - LIGHTING

DRAWING NUMBER

LC-01.01

GMP SET

LIGHTING KEYNOTES	
1	REMOTE DRIVER REQUIRED. ACCESSIBLE, VENTILATED LOCATION PER ARCHITECT. MAX DISTANCE TO BE COORDINATED WITH E.E. AND E.C.
2	PUCK LIGHT FIXTURE AT 4'-0" O.C. UNDERSIDE OF HANDRAIL.
3	S116 TO MOUNT TO 4" DEEP ARCHITECTURAL SHELF AT THE TOP OF THE DONOR WALL.



1 LEVEL 2 FLOOR PLAN
LC-01.02 1/8" = 1'-0"

CD+M Lighting Design Group

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:
1 100% DD
2 GMP SUBMITTAL - NOT FOR CONSTRUCTION

DESIGNED	DRAWN	CHECKED
Designer	Author	Checker

DATE: 2/26/2024

JOB NO. 222300701

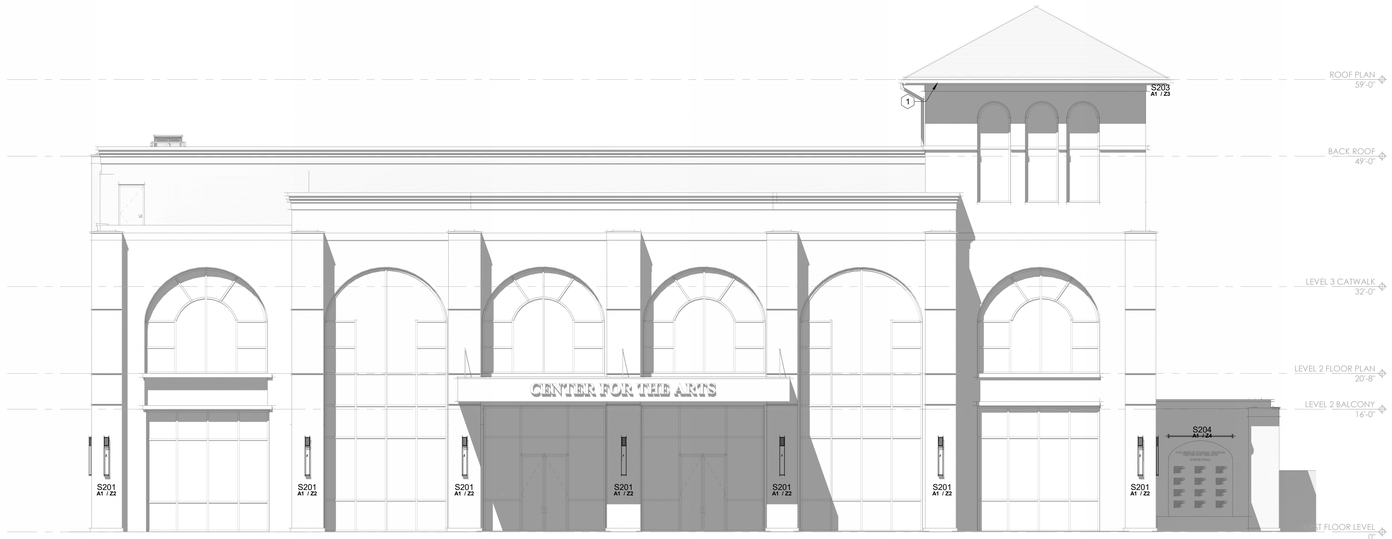
COLLEGE OF COASTAL GEORGIA
COASTAL COMMUNITY CENTER FOR THE ARTS
BRUNSWICK, GA 31520

LEVEL 2 FLOOR PLAN - LIGHTING

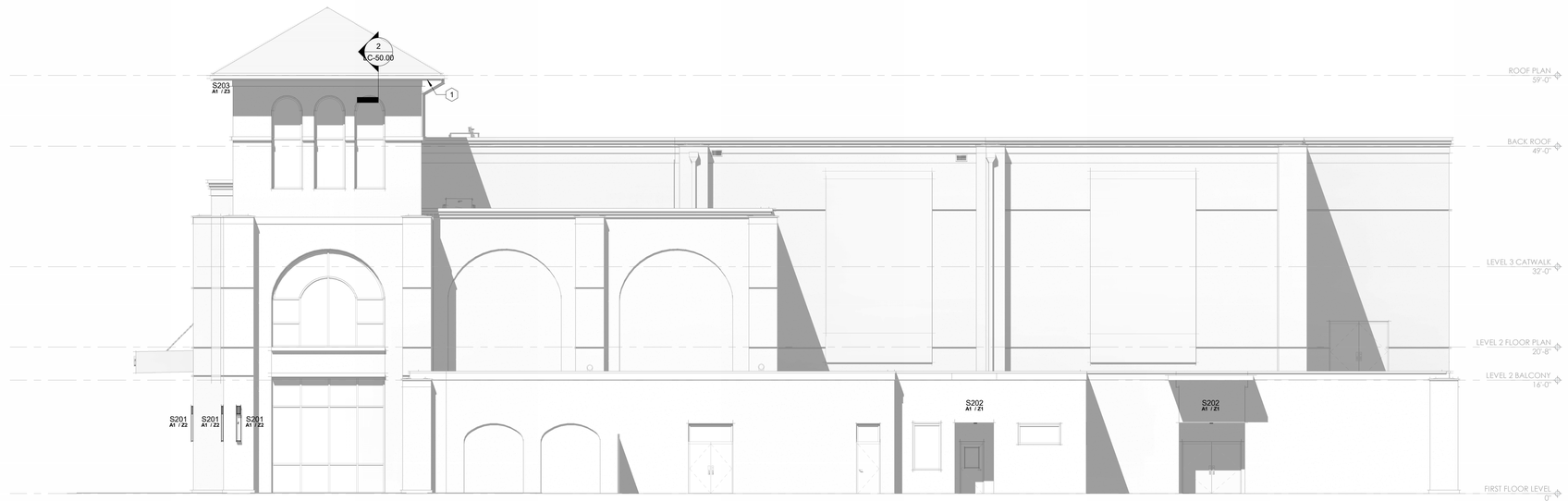
DRAWING NUMBER
LC-01.02

GMP SET

LIGHTING KEYNOTES	
1	EXTERIOR ACCENT TAPE LIGHT TO BE RECESSED INTO TOWER OVERHANG AND SET BACK FROM TOWER FACE 12". REMOTE DRIVER LOCATIONS PER ARCHITECT. MAX DISTANCE TO BE CONFIRMED BY E.E/E.C.



1 LC-02.01 **EAST ELEVATION**
1/8" = 1'-0"



2 LC-02.01 **NORTH ELEVATION**
1/8" = 1'-0"

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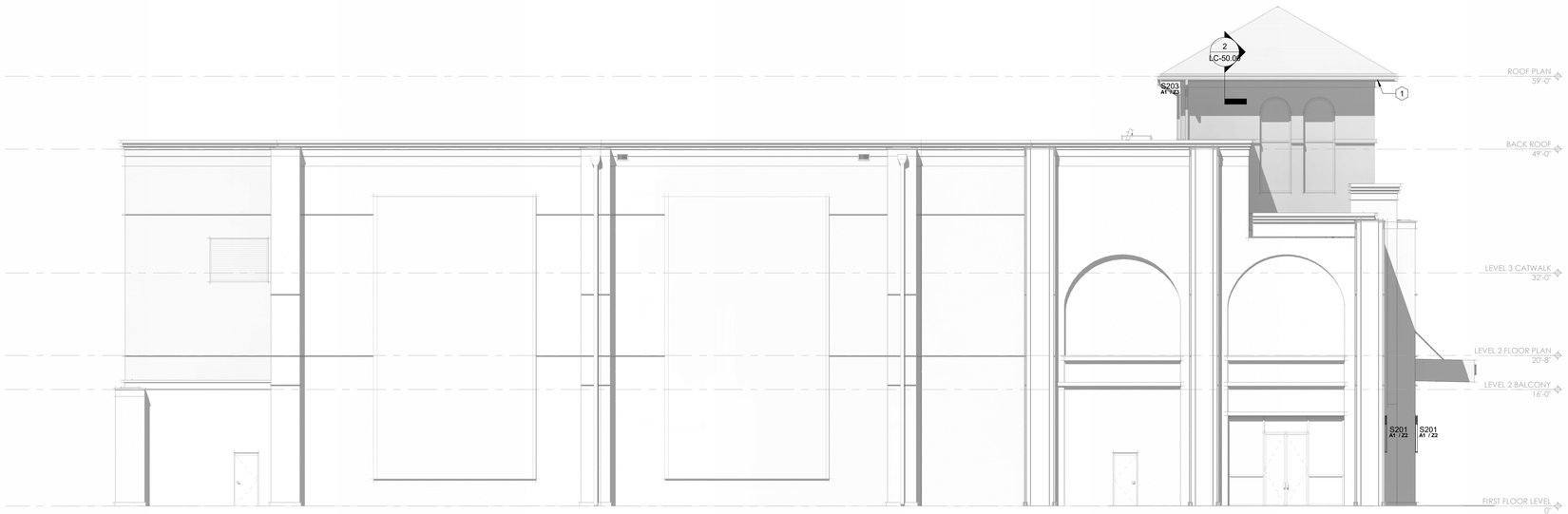
BUILDING ELEVATIONS - LIGHTING

DRAWING NUMBER

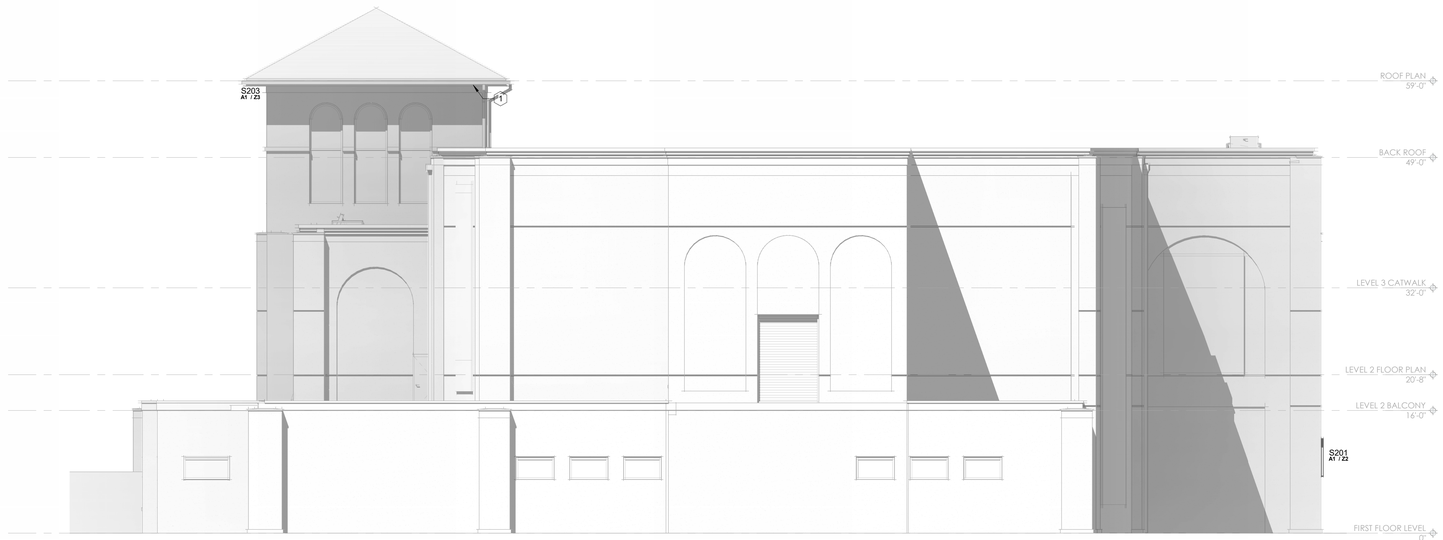
LC-02.01

GMP SET

LIGHTING KEYNOTES	
1	EXTERIOR ACCENT TAPE LIGHT TO BE RECESSED INTO TOWER OVERHANG AND SET BACK FROM TOWER FACE 12". REMOTE DRIVER LOCATIONS PER ARCHITECT. MAX DISTANCE TO BE CONFIRMED BY E.E/E.C.



1 LC-02.02 **SOUTH ELEVATION**
1/8" = 1'-0"



2 LC-02.02 **WEST ELEVATION**
1/8" = 1'-0"

GMP SET

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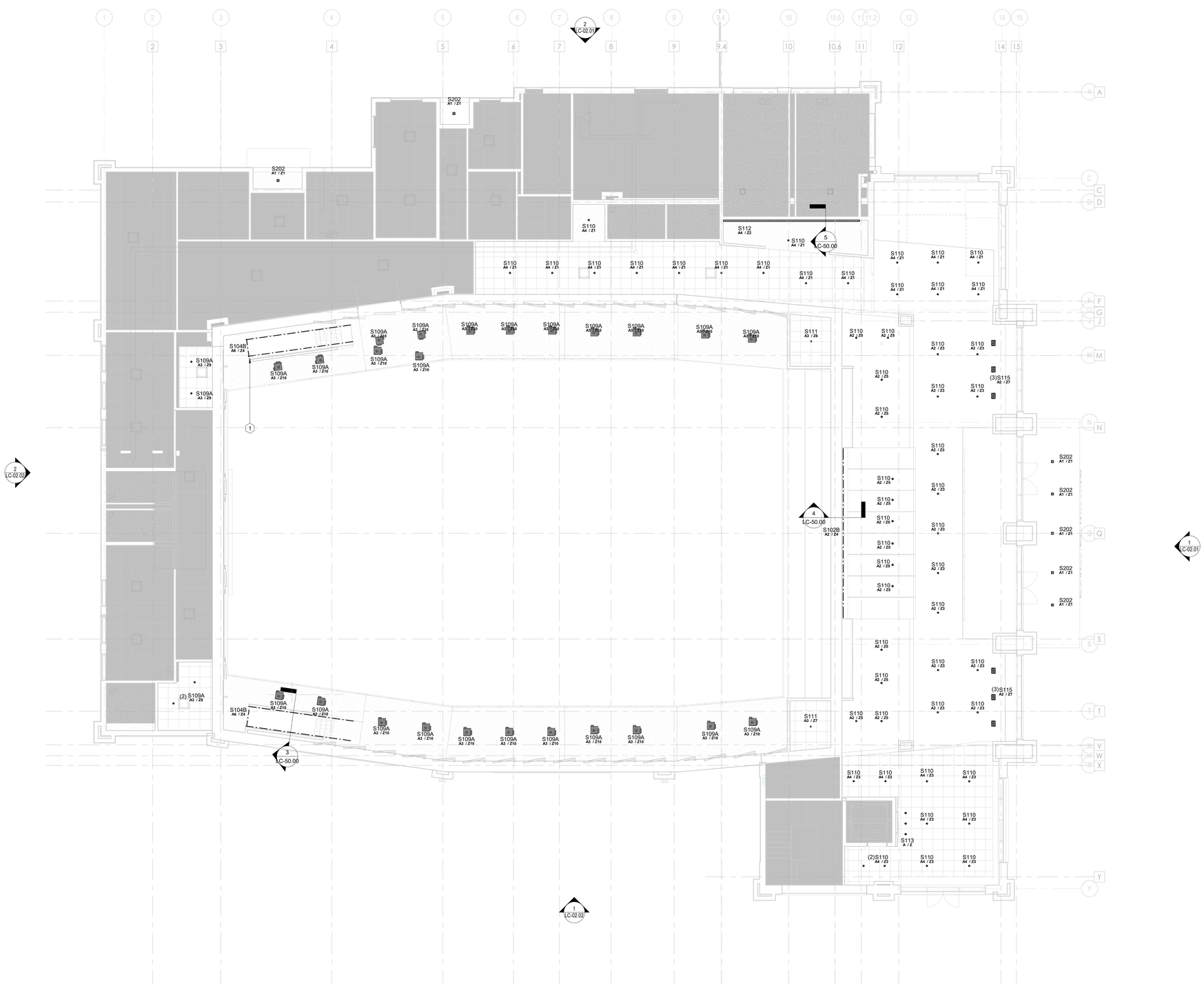
BUILDING ELEVATIONS - LIGHTING

DRAWING NUMBER

LC-02.02

LIGHTING KEYNOTES	
1	TAPE LIGHT TO INTEGRATE WITH EDGE OF SLAB CUT OUT TO LIGHT STAIRS BELOW. REMOTE DRIVER TO BE PLACED IN A DRY, ACCESSIBLE, VENTILATED AREA.



1 LC-08.01 **FIRST FLOOR LEVEL**
1/8" = 1'-0"

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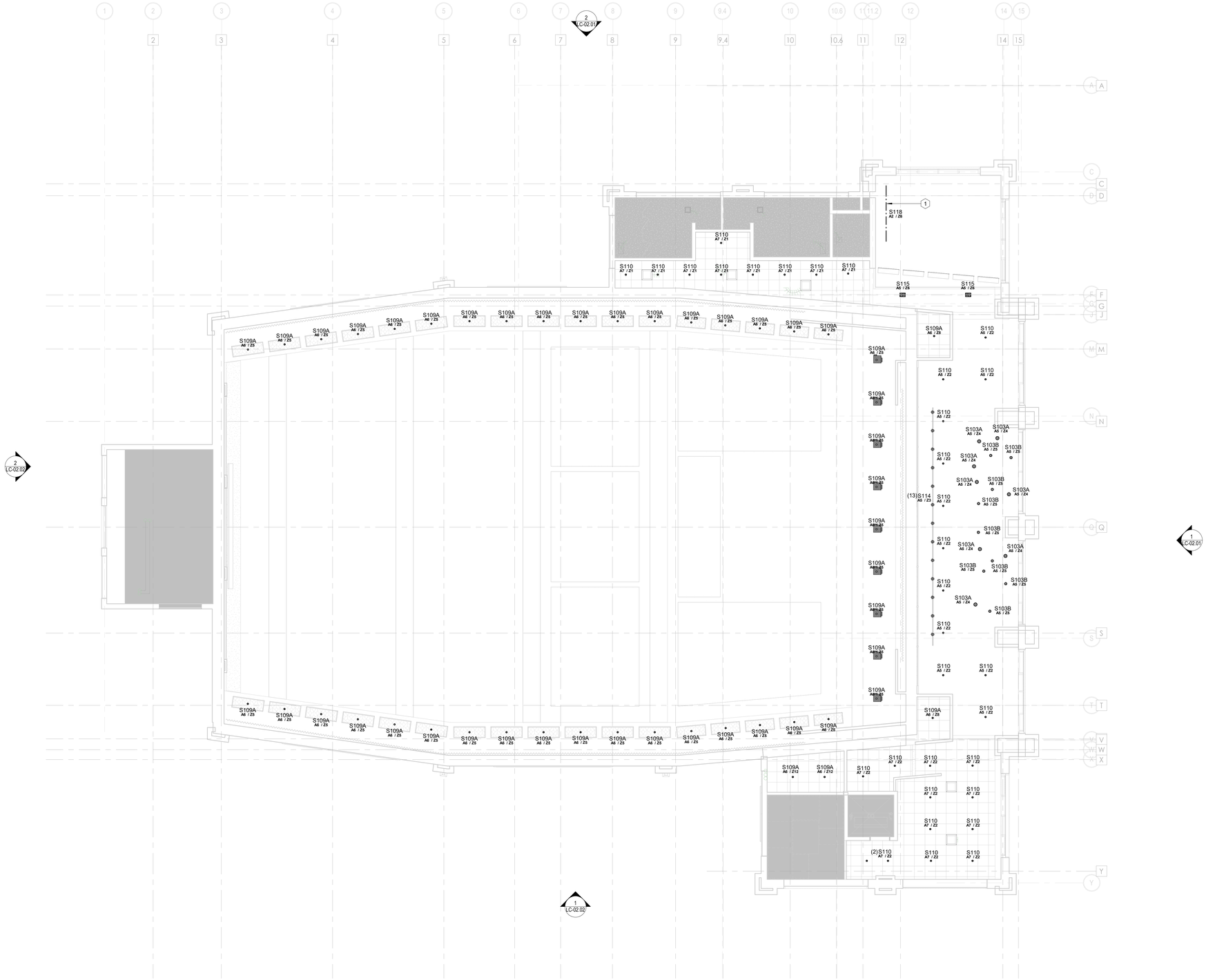
LEVEL 1 - RCP - LIGHTING

DRAWING NUMBER

LC-08.01

GMP SET



1 LC-08.02 **LEVEL 2 RCP**
1/8" = 1'-0"

GMP SET

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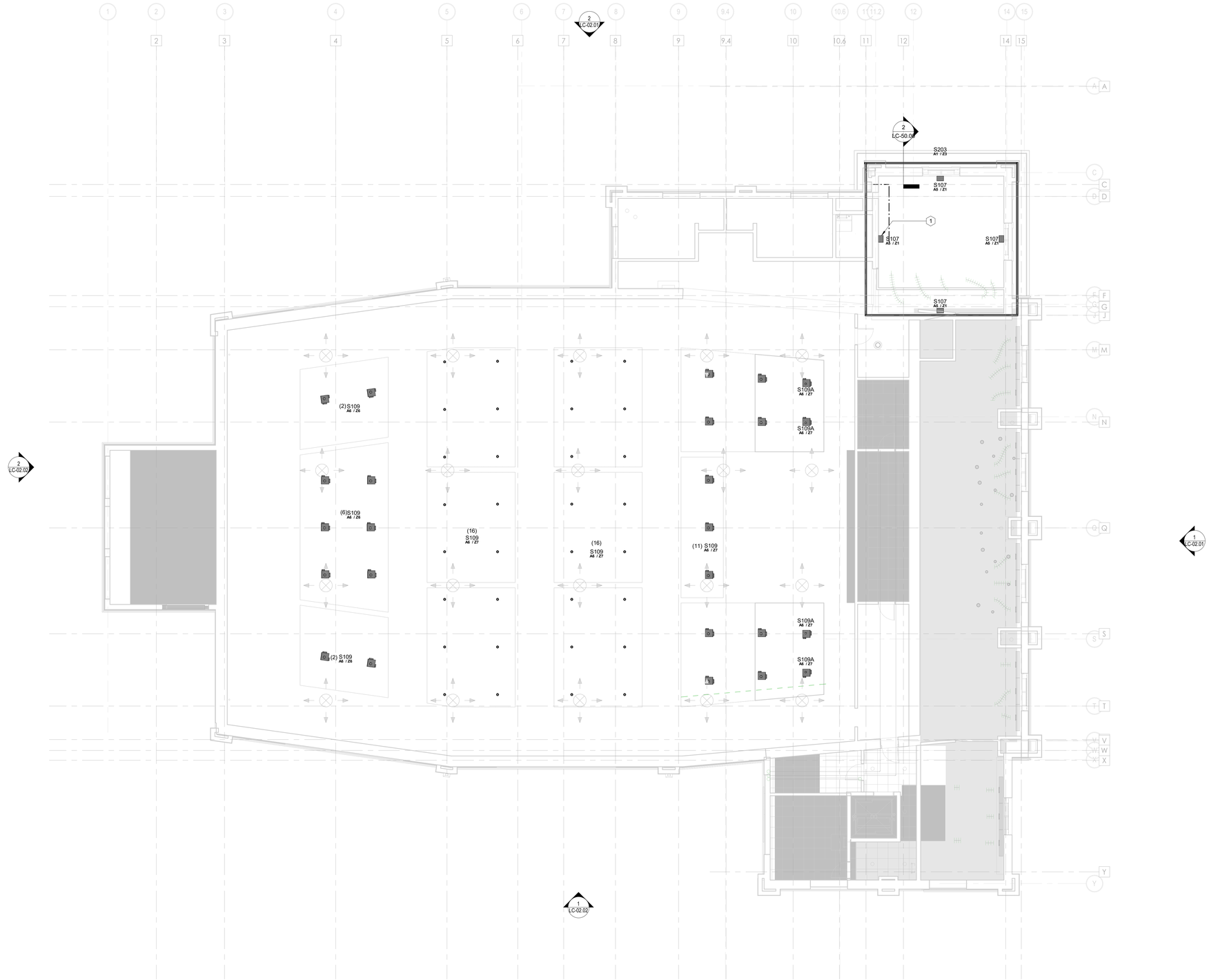
LEVEL 2 - RCP - LIGHTING

DRAWING NUMBER

LC-08.02

LIGHTING KEYNOTES	
1	S107 TO MOUNT 14'3" ABOVE FINISHED FLOOR FOR LEVEL 2.



1 LC-08.03 **LEVEL 3 CATWALK RCP**
1/8" = 1'-0"

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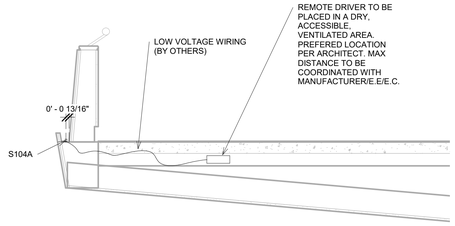
CATWALK LEVEL - RCP - LIGHTING

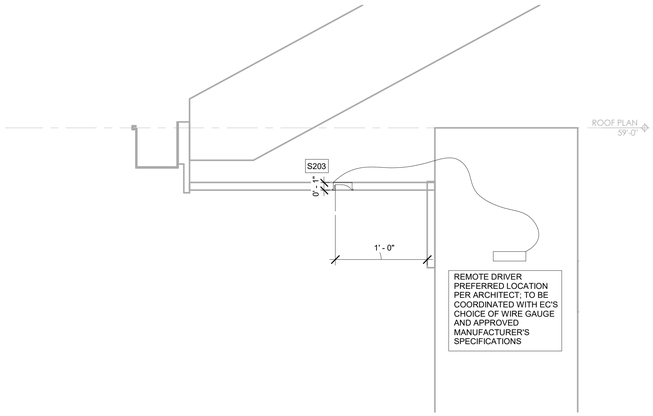
DRAWING NUMBER

LC-08.03

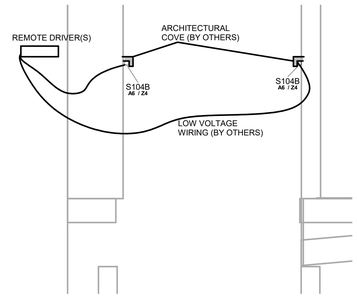
GMP SET



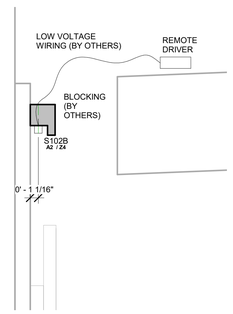
1 LC-50.00 **BALCONY TAPE LIGHT MOUNTING INTENT** 3/4" = 1'-0"



2 LC-50.00 **TOWER ROOF SECTION** 1 1/2" = 1'-0"



3 LC-50.00 **DETAIL OF TAPE LIGHT AT STAIR RAILING** 3/4" = 1'-0"



4 LC-50.00 **TAPE LIGHT AT WOOD WALL** 1 1/2" = 1'-0"

5 LC-50.00 **PERIMETER FIXTURE DETAIL** 1 1/2" = 1'-0"

6 LC-50.00 **STAIR TREAD DETAIL** 1 1/2" = 1'-0"

7 LC-50.00 **HANDRAIL LIGHT DETAIL** 1 1/2" = 1'-0"

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BRUNSWICK, GA 31520

LIGHTING DETAILS

DRAWING NUMBER

LC-50.00

GMP SET

PLUMBING FIXTURE SCHEDULE

ITEM	DESCRIPTION	MINIMUM CONNECTION SIZE (INCHES)				MOUNTING HEIGHT REMARKS (ABOVE FLOOR)
		HOT WATER	COLD WATER	WASTE	VENT	
P-1A	WATER CLOSET	---	1"	3"	1-1/2"	15" RIM HT.
P-1B	WATER CLOSET - H.C.	---	1"	3"	1-1/2"	18" RIM HT.
P-2A	URINAL	---	3/4"	2"	1-1/2"	24" RIM HT.
P-2B	URINAL - H.C.	---	3/4"	2"	1-1/2"	17" RIM HT.
P-3A	LAVATORY - H.C.	1/2"	1/2"	1-1/4"	1-1/2"	SOLID SURFACE W/INTEGRAL BOWL
P-3B	LAVATORY - H.C.	---	1/2"	1-1/4"	1-1/2"	---
P-4	MOP SINK	1/2"	1/2"	3"	1-1/2"	FLOOR MTD. / 36" FAUCET HT.
P-5	GREEN ROOM SINK - H.C.	1/2"	1/2"	1-1/2"	1-1/2"	COUNTERTOP W/BUBBLER
P-6	ICE MAKER BOX	---	1/2"	---	---	30" BOX HT.
EWC-1	BILEVEL ELECTRIC WATER COOLER - H.C.	---	1/2"	1-1/2"	1-1/2"	42" & 34" ORIFICE HTS.

DOMESTIC WATER HEATER SCHEDULE

ITEM	CAPACITY	RECOVERY RATE	FUEL	ELECTRICAL CHARACTERISTICS	LOCATION	REMARKS
WH-1	20 GALLONS STORAGE 1.5 KW INPUT	6 GPH @ 100°F RISE	ELEC.	SEE ELECTRICAL DWGS.	--- ---	--- ---
WH-2	30 GALLONS STORAGE (2) 6 KW INPUT	49 GPH @ 100°F RISE	ELEC.	SEE ELECTRICAL DWGS.	--- ---	SIMULATANEOUS OPERATION

PUMP SCHEDULE

PUMP No.	SERVICE	HP	GPM	DISCH HEAD (FT)	WATER HEATER	ELECTRICAL DATA	REMARKS
HWC-1	HOT WATER CIRCULATION	1/3	2.0	10	WH-1	SEE ELECTRICAL DWGS.	CONTROLLED BY AQUASTAT
HWC-2	HOT WATER CIRCULATION	1/3	2.0	10	WH-2	SEE ELECTRICAL DWGS.	CONTROLLED BY AQUASTAT
SP-1	SUMP PUMP	1/2	50	14	---	SEE ELECTRICAL DWGS.	ELEVATOR SUMP PUMP W/ OIL MONITORING SYSTEM

HAMMER ARRESTOR SCHEDULE

ITEM	PDI UNIT	FIXTURE UNIT
HA	A	1-11
HA	B	12-32

PLUMBING LEGEND

ABBREVIATION	SYMBOL	DESCRIPTION
HWR		HOT WATER RETURN PIPING
H		HOT WATER PIPING
C		COLD WATER PIPING
G	G	GAS PIPING
CA	CA	COMPRESSED AIR PIPING
ST	ST	STORM DRAIN PIPING (ABOVE GROUND)
ST	ST	STORM DRAIN PIPING (BELOW GROUND)
OF	OF	OVERFLOW DRAIN PIPING
W		SOIL AND WASTE PIPING
V		VENT PIPING
GW	GW	GREASE WASTE DRAIN PIPING
		SOLENOID VALVE
		SHUTOFF VALVE
		CHECK VALVE
		THERMOSTATIC BALANCING VALVE
HB/E		HOSE BIB (WALL BOX) FREEZE PROOF
HB/B		HOSE BIB (WALL BOX) NON-FREEZE PROOF
HB/R		ROOF HYDRANT FREEZE PROOF
HB/I		HOSE BIB (INTERIOR)
WCO		WALL CLEANOUT
FCO		FLOOR CLEANOUT
GCO		GRADE CLEANOUT
RD-' '		ROOF DRAIN - TYPE
FD-' '		FLOOR DRAIN - TYPE
FS-' '		FLOOR SINK - TYPE
DSN		DOWNSPOUT NOZZLE
HA-' '		WATER HAMMER ARRESTER - TYPE
		CONNECT TO EXISTING
VTR		VENT THROUGH ROOF
VTS		VENT THROUGH SIDEWALL
HWC		HOT WATER RECIRCULATING PUMP
WH		WATER HEATER
AC		AIR COMPRESSOR
RAD		REFRIGERATED AIR DRYER
AFF		ABOVE FINISHED FLOOR
AFG		ABOVE FINISHED GRADE
B/F		BELOW FLOOR
A/C		ABOVE CEILING
U/G		UNDER GROUND
I.E.		INVERT ELEVATION
GPM		GALLONS PER MINUTE
GPH		GALLONS PER HOUR
TYP.		TYPICAL
T-P		TRAP PRIMER
PSI		POUNDS PER SQUARE INCH
CFH		CUBIC FEET PER HOUR
W.C.		WATER COLUMN
ARCH.		ARCHITECTURAL
DWGS.		DRAWINGS

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF000182
EXP. 6/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

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REVISIONS: △

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SCALE: AS NOTED

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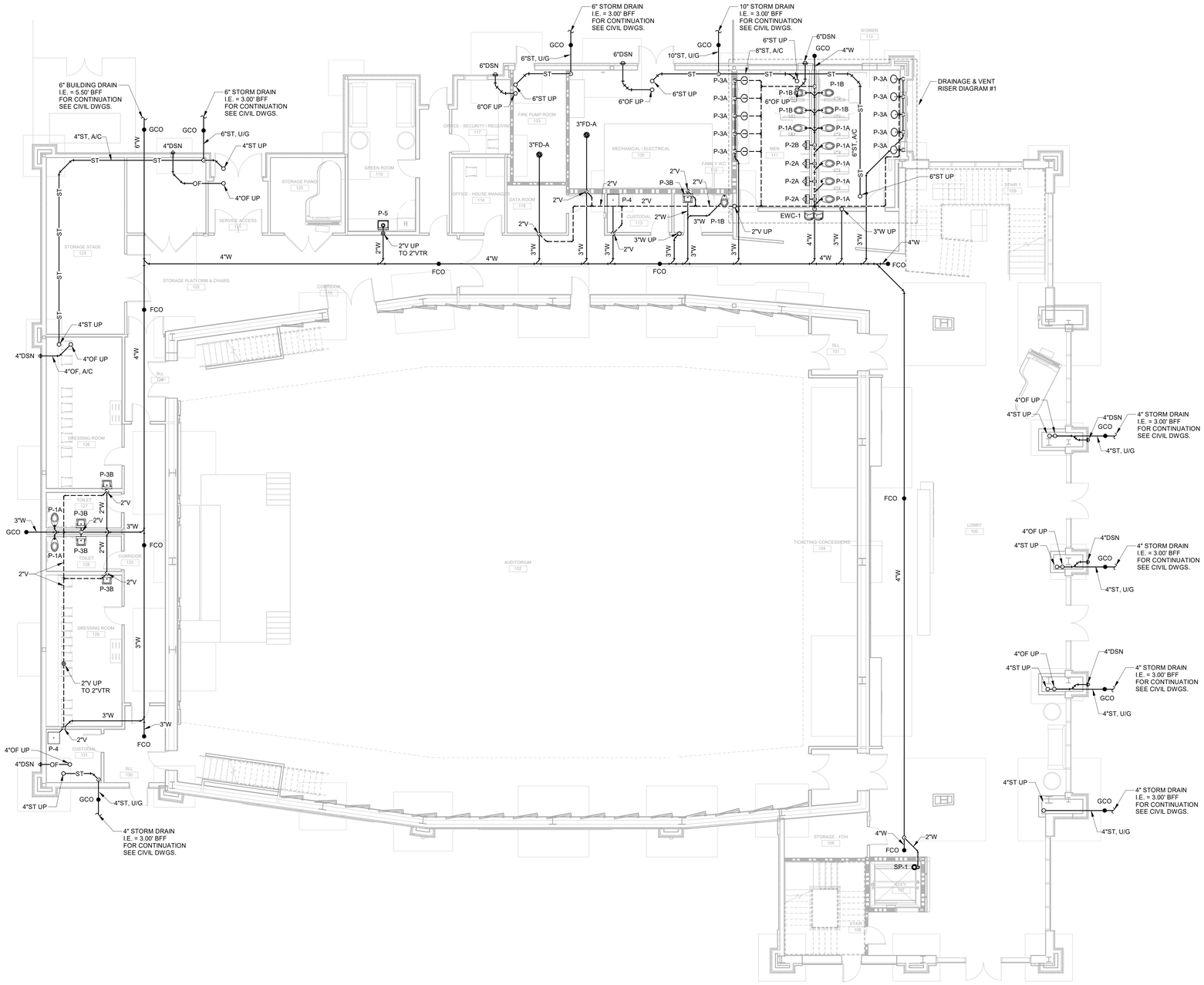
PLUMBING LEGEND & SCHEDULES

DRAWING NUMBER

P0.01



1 DRAINAGE & VENT PLAN - LEVEL 1
1/8" = 1'-0"

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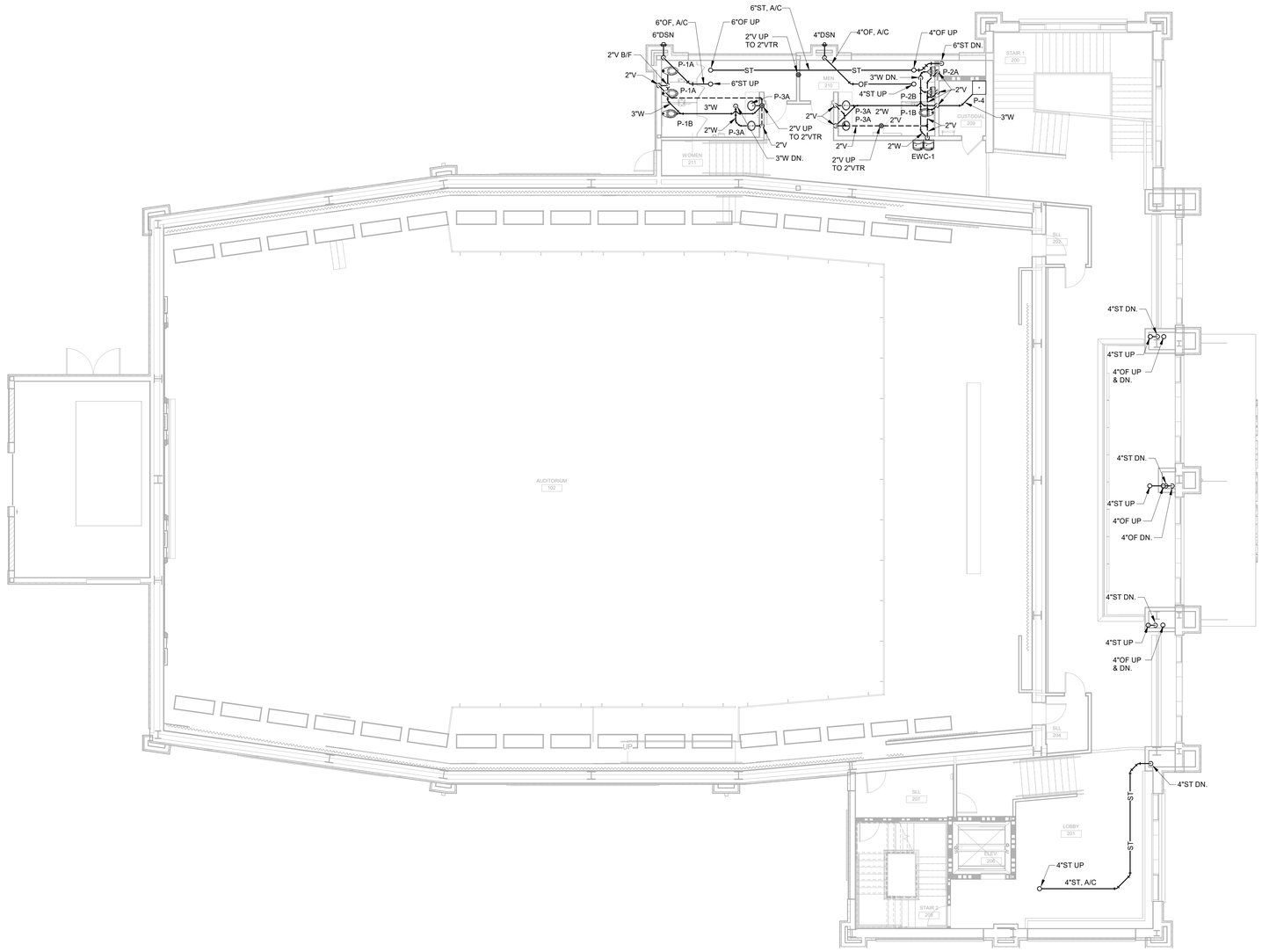
DRAINAGE & VENT PLAN - LEVEL 1

DRAWING NUMBER

P1.01



1 DRAINAGE & VENT PLAN - LEVEL 2
1/8" = 1'-0"

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DRAINAGE & VENT PLAN - LEVEL 2

DRAWING NUMBER

P1.02

GEORGIA
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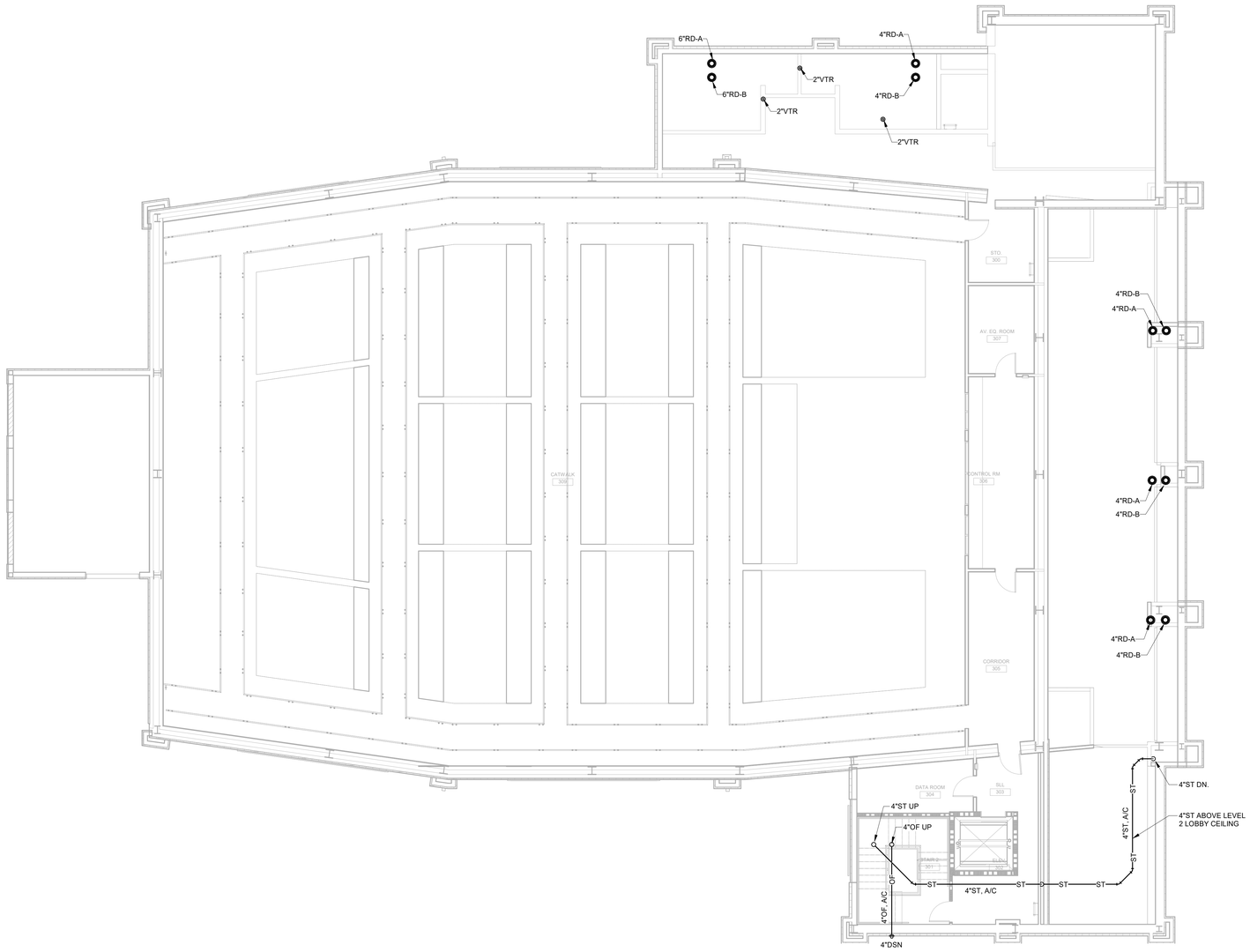

1 DRAINAGE & VENT PLAN - CATWALK
1/8" = 1'-0"

HUSSEY GAY BELL
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DRAINAGE & VENT PLAN - LEVEL 3

DRAWING NUMBER

P1.03

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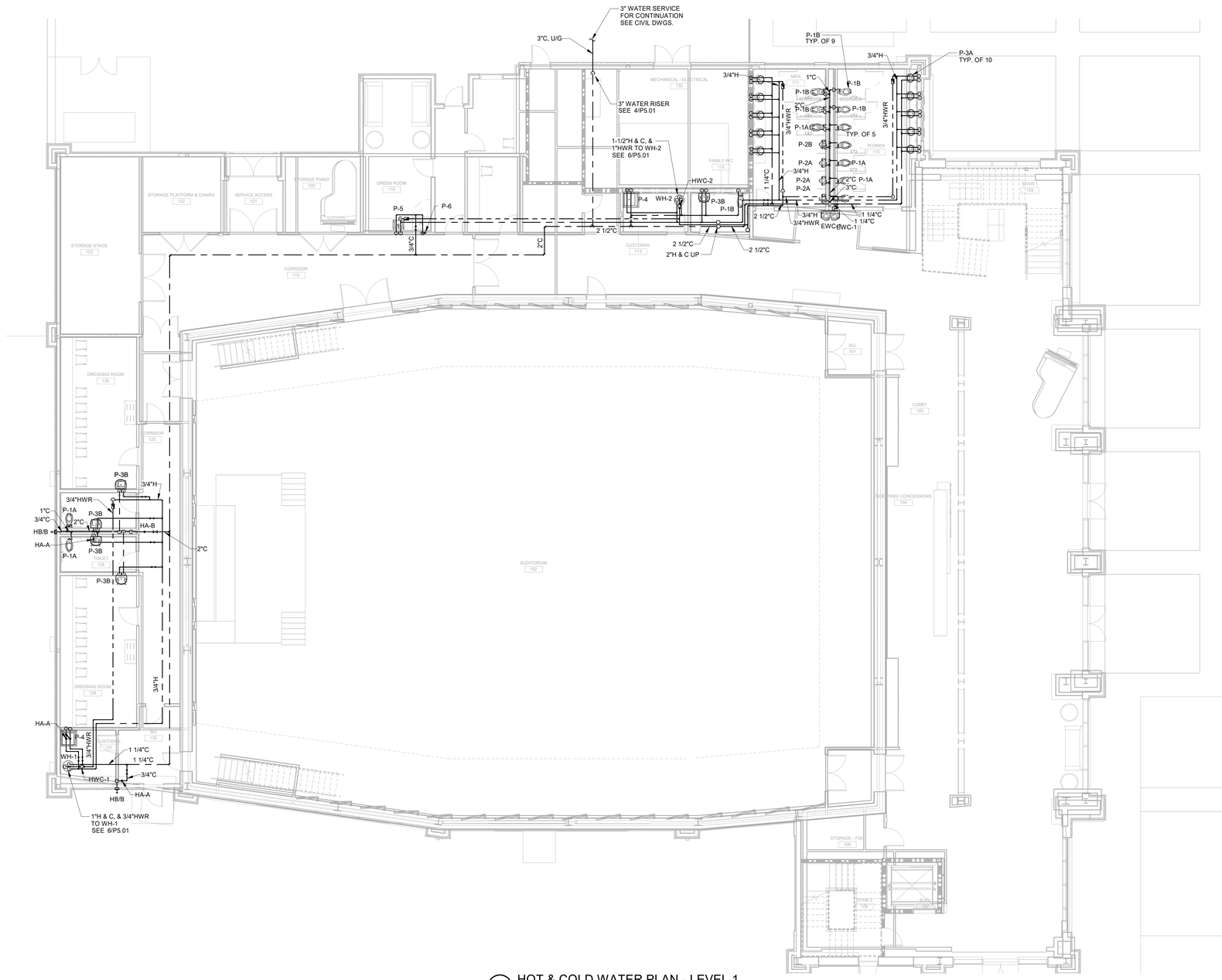

1 HOT & COLD WATER PLAN - LEVEL 1
1/8" = 1'-0"

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HOT & COLD WATER PLAN - LEVEL 1

DRAWING NUMBER

P2.01

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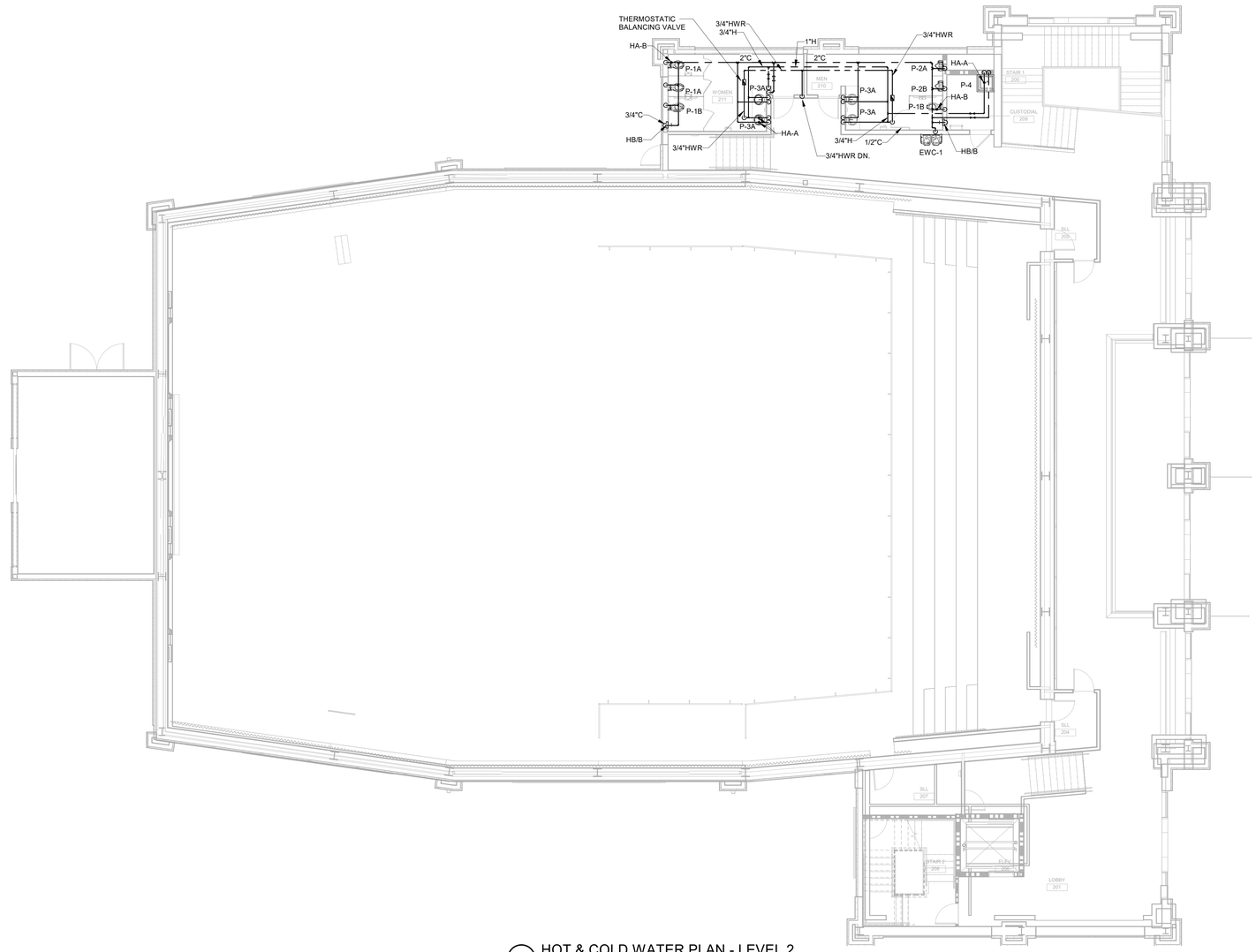

1 HOT & COLD WATER PLAN - LEVEL 2
1/8" = 1'-0"

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HOT & COLD WATER PLAN - LEVEL 2

GEORGIA
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DRAWING NUMBER

P2.02

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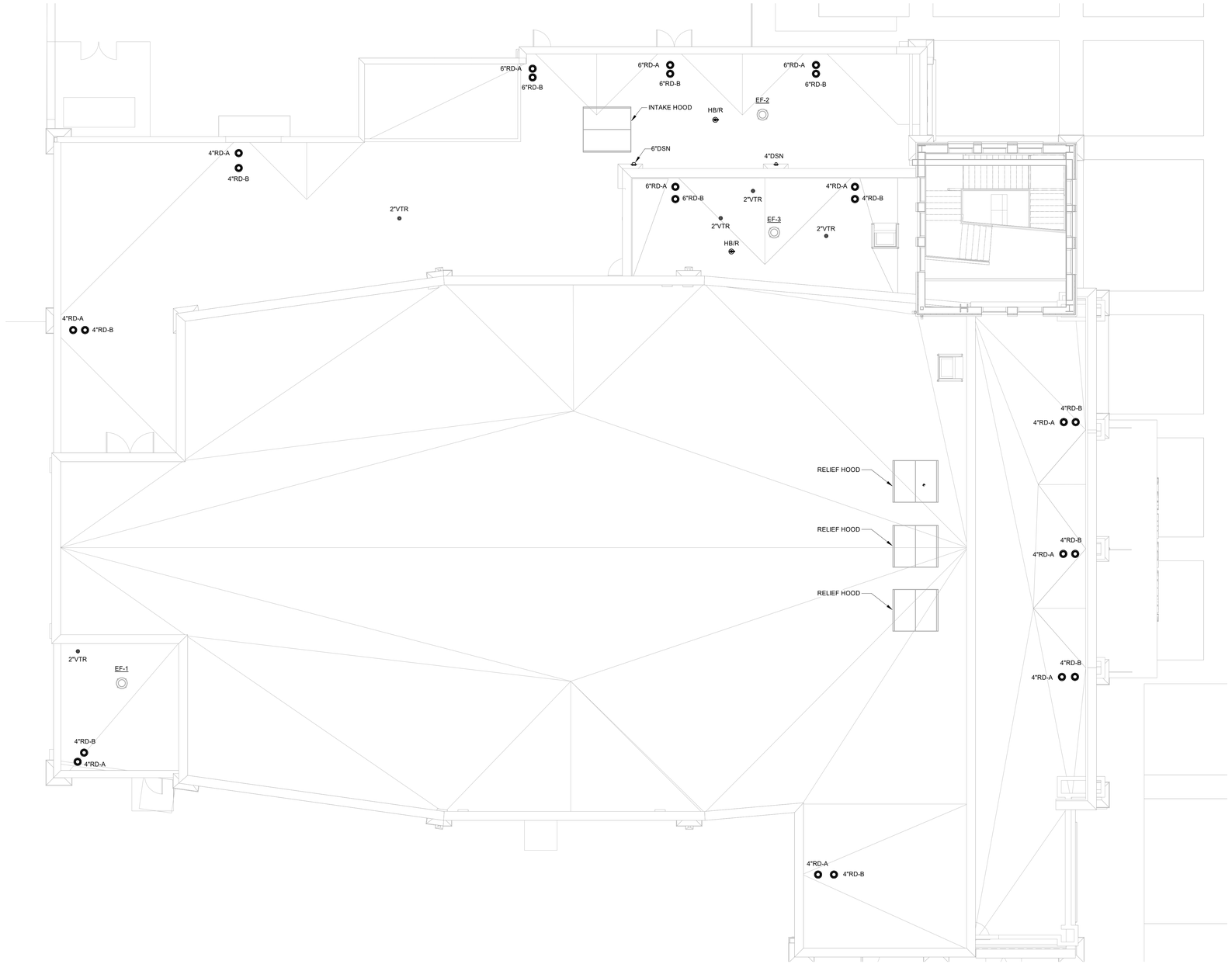

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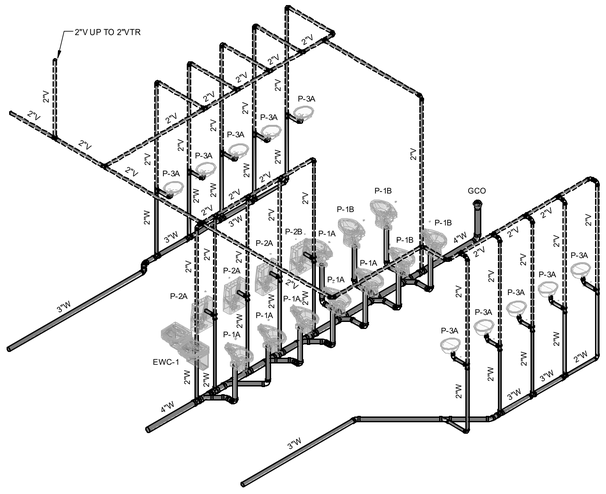
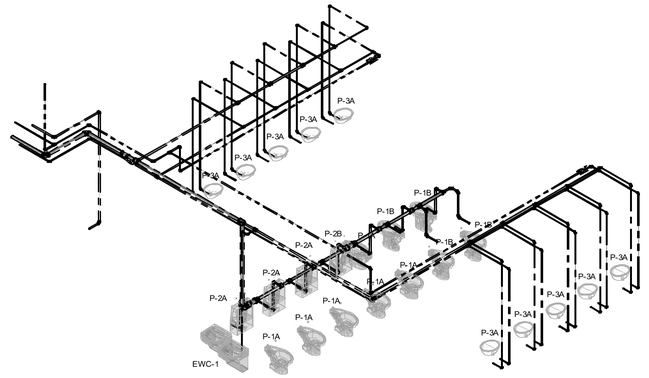
PLUMBING ROOF PLAN

DRAWING NUMBER

P3.01



1 P4.01 **DRAINAGE & VENT RISER DIAGRAM #1**
SCALE:



2 P4.01 **HOT & COLD WATER RISER DIAGRAM #1**
SCALE:

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PLUMBING RISER DIAGRAMS

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DULOHERY WEEKS ENGINEERS

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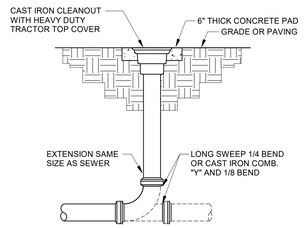
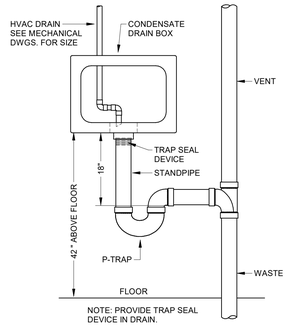
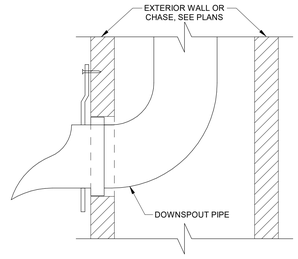


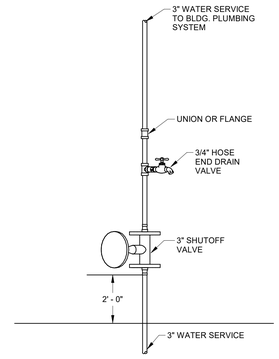
1 DRAIN - CLEANOUT DETAIL
NOT TO SCALE



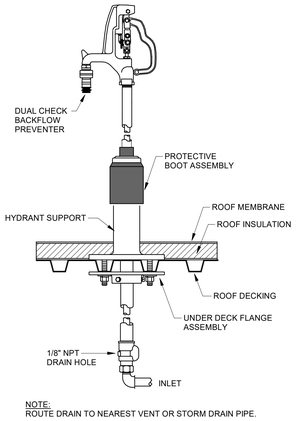
2 CONDENSATE DRAIN BOX DETAIL
NOT TO SCALE



3 DRAIN - DOWNSPOUT NOZZLE DETAIL
1/8" = 1'-0"

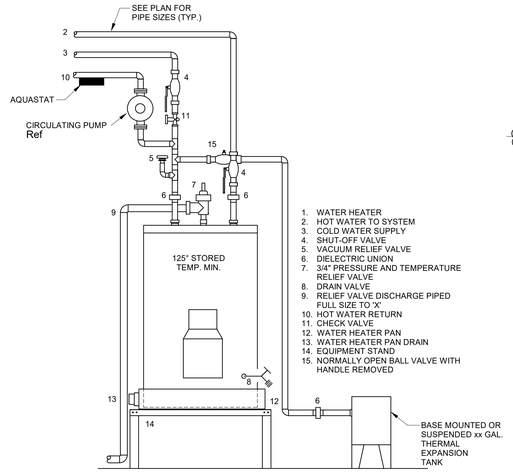


4 WATER - WATER SERVICE RISER
DIAGRAM ONLY



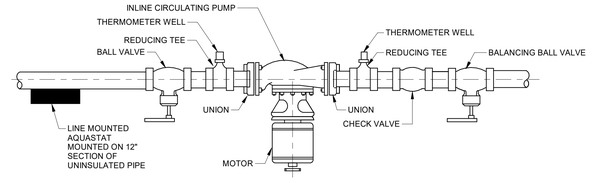
NOTE:
ROUTE DRAIN TO NEAREST VENT OR STORM DRAIN PIPE.

5 WATER - ROOF HYDRANT DETAIL
NOT TO SCALE



1. WATER HEATER
2. HOT WATER TO SYSTEM
3. COLD WATER SUPPLY
4. SHUT-OFF VALVE
5. VACUUM RELIEF VALVE
6. DIELECTRIC UNION
7. 3/4" PRESSURE AND TEMPERATURE RELIEF VALVE
8. DRAIN VALVE
9. RELIEF VALVE DISCHARGE PIPED FULL SIZE TO 'X'
10. HOT WATER RETURN
11. CHECK VALVE
12. WATER HEATER PAN
13. WATER HEATER PAN DRAIN
14. EQUIPMENT STAND
15. NORMALLY OPEN BALL VALVE WITH HANDLE REMOVED

6 ELECTRIC WATER HEATER DETAIL
NOT TO SCALE



PLAN VIEW

NOTES:
1. THERMOMETER WALLS SHALL BE TURNED SO AS TO BE ABLE TO BE USED STANDING AT FLOOR LEVEL, OR ON LADDER.
2. CIRCULATING PUMPS CONTROLLED BY AQUASTATS.

PUMP CONTROLS		
PUMP NO.	PUMP ON	PUMP OFF
HWC-1	110° F	120° F
HWC-2	110° F	120° F

7 WH - IN-LINE CIRCULATING PUMP
NOT TO SCALE

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF001182
EXP. 6/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

GMP SUBMITTAL -NOT FOR CONSTRUCTION

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
CRS	CRS	JGB

DATE: 02/26/2024

JOB NO. 222300701

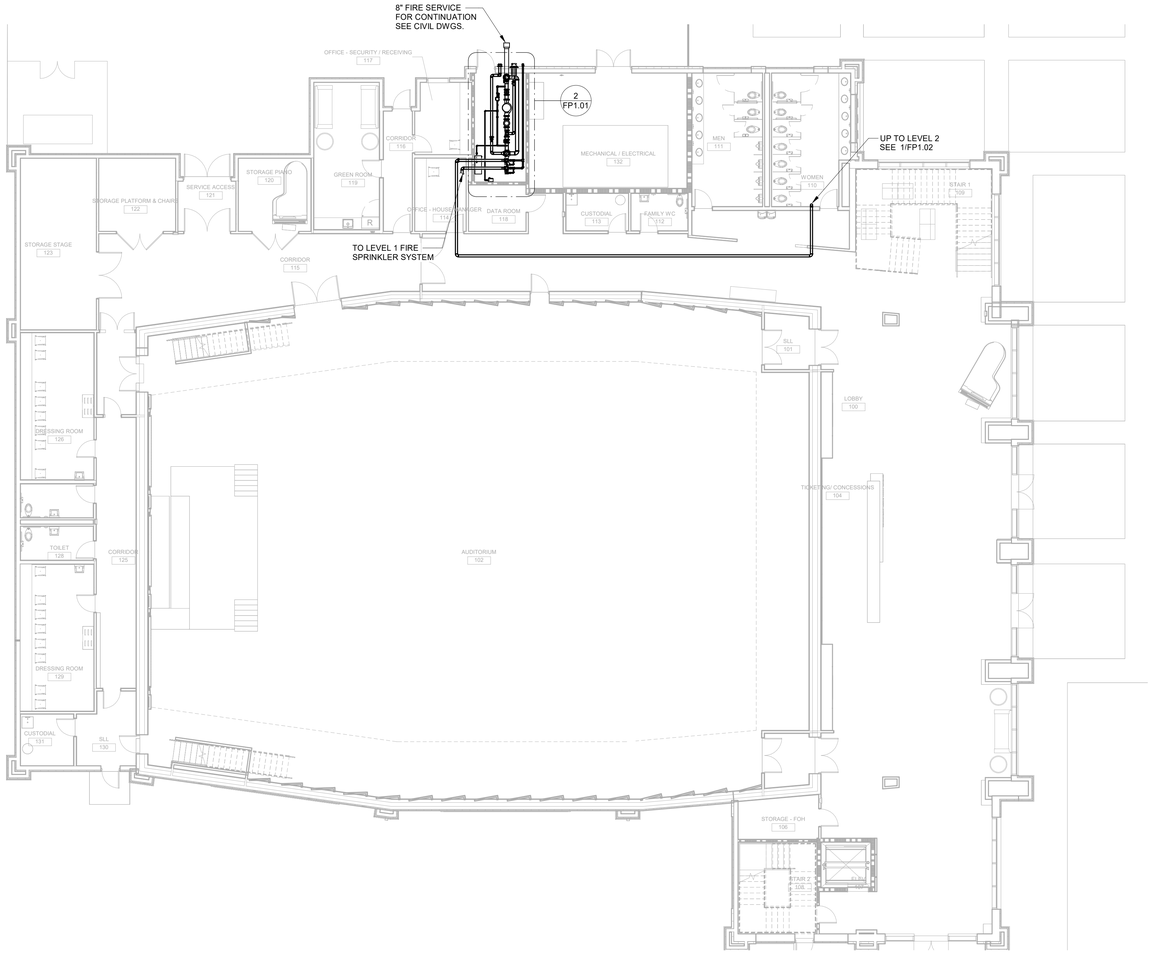
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

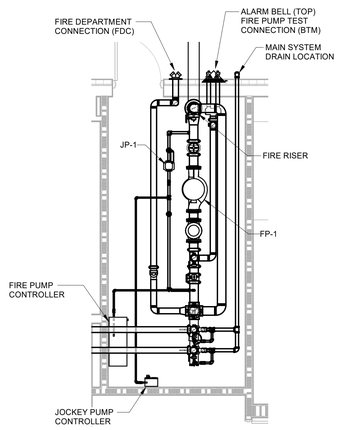
PLUMBING DETAILS

DRAWING NUMBER

P5.01



1 FIRE PROTECTION PLAN - LEVEL 1
3/32" = 1'-0"



2 ENLARGED FIRE PUMP ROOM
1/4" = 1'-0"

WET PIPE SPRINKLER SYSTEM

THE SPRINKLER SYSTEM WILL BE PROVIDED FOR THE ENTIRE BUILDING. THE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13 AND THE DESIGN DATA BELOW. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND PLANS TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL. SPRINKLERS IN CEILINGS SHALL BE SEMI-RECESSED PENDANT HEADS UNLESS NOTED OTHERWISE.

HAZARD CLASSIFICATIONS AND DESIGN REQUIREMENTS

HAZARD CLASSIFICATIONS FOR THIS BUILDING ARE LISTED BELOW IN THE SPRINKLER HAZARD CLASSIFICATIONS SCHEDULE.

HAZARD CATEGORY	DENSITY	AREA
LIGHT HAZARD	.10 GPM/SQ. FT.	1500 SQ. FT.
ORDINARY GROUP 1	.15 GPM/SQ. FT.	1500 SQ. FT.
ORDINARY GROUP 2	.20 GPM/SQ. FT.	1500 SQ. FT.

THE CONTRACTOR SHALL LOCATE THE SYSTEM WITHIN THE INSULATED ENVELOPE OF THE BUILDING.

THE EXTERIOR HOSE STREAM REQUIREMENT IS 250 GPM.

FIRE FLOW DATA

FIRE FLOW DATA FOR THIS SITE: STATIC: 65 PSI RESIDUAL: 60 PSI FLOW RATE: 1190 GPM

FIRE PUMP: RATED FLOW: 500 GPM RATED PRESSURE: 75 PSI

SPRINKLER HAZARD CLASSIFICATIONS	
ROOM OR AREA	HAZARD CATEGORY
ALL AREAS EXCEPT AS NOTED BELOW	LIGHT HAZARD
MECHANICAL, BOILER, ELECTRICAL, JANITOR, STORAGE, DATA, LAUNDRY, LOCKERS, LOADING, RECEIVING,	ORDINARY HAZARD 1
ARENA	ORDINARY HAZARD 2

FIRE PUMP SCHEDULE

PUMP No.	HP	GPM	DISCH HEAD (PSI)	ELECTRICAL DATA	REMARKS
FP-1	30	400	65	SEE ELECTRICAL DWGS.	---
JP-1	3/4	5	83	SEE ELECTRICAL DWGS.	---

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FIRE PROTECTION PLAN - LEVEL 1

DRAWING NUMBER

FP1.01

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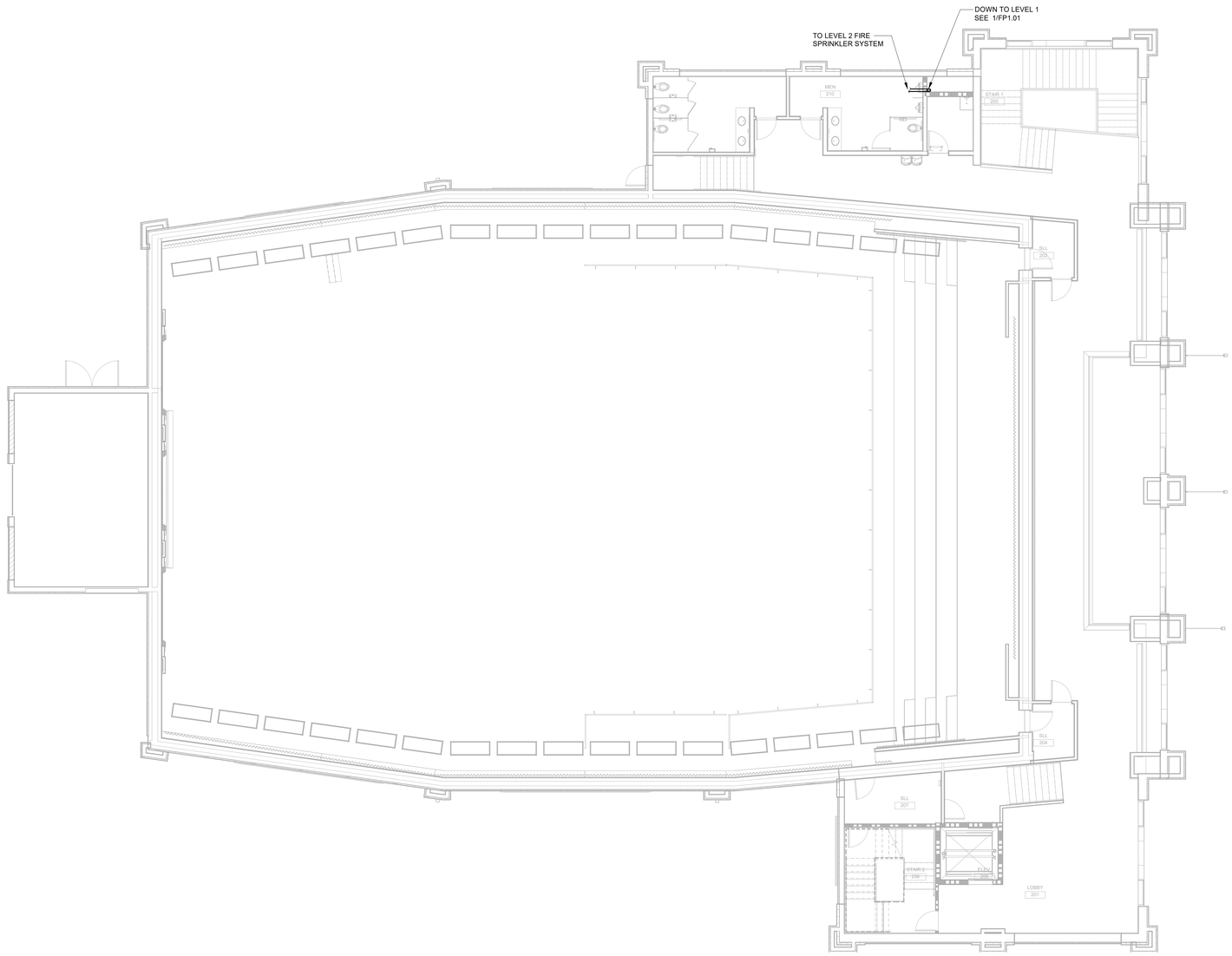

1 FIRE PROTECTION PLAN - LEVEL 2
1/8" = 1'-0"

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BRUNSWICK, GA 31520

FIRE PROTECTION PLAN - LEVEL 2

DRAWING NUMBER

FP1.02

AIR HANDLING UNIT SCHEDULE

ITEM	AIRFLOW CFM		TOTAL /EXT. STATIC IN. WG	COOLING CAPACITY											HEATING CAPACITY						MAX. MOTOR HP	FILTER THICKNESS / EFFICIENCY	REMARKS
				MAX. F.V. FPM	COIL P.D. IN. WG	TOTAL MBH	SENS. MBH	ENTERING AIR		LEAVING AIR		CHILLED WATER				HEATING CFM	COIL POSITION	COIL P.D. IN. WG	ENTERING AIR °F	LEAVING AIR °F	ELECTRIC HEAT KW			
	TOTAL	O.A.						DB °F	WB °F	DB °F	WB °F	GPM	IN °F	OUT °F	P.D. FT.									
AHU-1	24,400	2,350	5.12 / 2.50	490	1.0	902	652	75	63	50	50	145	44	56	9.4	9,051	PREHEAT	0.1	29	37	25 480/3	(2) 15	4" MERV 13	CARRIER 28MD VAV
AHU-2	16,500	3,000 MAX 500 MIN	3.31 / 1.00	458	1.0	677	442	78	66	53	53	110	44	56	8.5	16,500	REHEAT	0.1	60	90	160 480/3	(2) 7.5	4" MERV 13	CARRIER 28MD SZVAV

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 232410 FOR FURTHER INFORMATION.
2. FAN STATIC PRESSURE SHALL BE SELECTED WITH A MID-LIFE FILTER PRESSURE DROP.
3. REFER TO AHU CONFIGURATION DETAILS FOR SPECIFIC INFORMATION ON SECTIONS.

AIR-COOLED CHILLER SCHEDULE

ITEM	CAPACITY TONS	MAX COMP. KW/TON	MAX IPLV	CHILLED WATER				COND. AIR °F	REMARKS
				GPM	IN °F	OUT °F	P.D. FT.		
CH-1	130	1.02	16.77	260	56	44	10	95	CARRIER 30RC ---

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 234120 FOR FURTHER INFORMATION.
2. HYDRONIC PACKAGE: (2) 10 HP PUMPS CAPABLE OF OPERATING WITH 70 FEET OF HEAD.

FAN COIL UNIT SCHEDULE

ITEM	AIRFLOW CFM	EST. STATIC IN. WG	COOLING CAPACITY										FILTER THICKNESS / EFFICIENCY	REMARKS
			TOTAL MBH	SENS. MBH	ENTERING AIR		LEAVING AIR		CHILLED WATER					
					DB °F	WB °F	DB °F	WB °F	GPM	IN °F	OUT °F	P.D. FT.		
FCU-1	475	---	18	12	80	67	56	55	5.0	45	52	2.0	1" / MERV 8	CARRIER 42DF ---
FCU-2	475	---	18	12	80	67	56	55	5.0	45	52	2.0	1" / MERV 8	CARRIER 42DF ---

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 232410 FOR FURTHER INFORMATION.
2. FAN STATIC PRESSURE SHALL BE SELECTED WITH A MID-LIFE FILTER PRESSURE DROP

TERMINAL UNIT SCHEDULE

ITEM	INLET SIZE IN.	PRIMARY AIR CFM MAX./MIN.	HEATING CFM	FAN CFM	EXT. STATIC IN. WG	HEATING CAPACITY				REMARKS
						CAPACITY KW	ENTERING AIR °F	LEAVING AIR °F	HEATING STAGES	
TU-1	16	3680 / 1105	1105	---	0.25	14.0 480/3	55	95	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30
TU-2	14	750 / 225	750	750	0.25	6.5 277/1	64	91	SCR	TITUS DTQS SERIES FAN POWERED VAV - MAX. NC-30
TU-3	09	800 / 280	280	---	0.25	3.5 277/1	55	95	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30
TU-4	16	3170 / 950	950	---	0.25	12.0 480/3	55	95	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30
TU-5	16	3170 / 950	950	---	0.25	12.0 480/3	55	95	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30
TU-6	16	3170 / 950	950	---	0.25	12.0 480/3	55	95	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30
TU-7	16	2050 / 615	1000	---	0.50	12.0 480/3	55	93	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30
TU-8	16	3105 / 930	1100	---	0.50	13.0 480/3	55	92	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30
TU-9	16	3105 / 930	1100	---	0.50	13.0 480/3	55	92	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30
TU-10	09	740 / 370	370	---	0.25	4.5 277/1	55	93	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30
TU-11	09	800 / 400	400	---	0.25	4.5 277/1	55	91	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 232420 FOR FURTHER INFORMATION.
2. MAXIMUM STATIC PRESSURE DROP SHALL BE RATED AT MAXIMUM CFM FOR THE AIR VALVE AND COIL.
3. MAXIMUM NC SHALL BE FOR ALL OPERATING CONDITIONS (DISCHARGED AND RADIATED).

DUCTLESS HEAT PUMP SCHEDULE

ITEM	AIRFLOW CFM		EXT. STATIC IN. WG	COOLING CAPACITY @ 95°F O.A.				REMARKS
	TOTAL	O.A.		TOTAL MBH	SENS. MBH	ENTERING AIR		
						DB °F	WB °F	
DHP-1 DAH-1	360	---	---	9.0	6.0	80	67	CARRIER 38MARBQ / 40MAHBQ 28.0 SEER
DHP-2 DAH-2	780	---	---	24	16	80	67	CARRIER 38MARBQ / 40MAHBQ 21.5 SEER
DHP-3 DAH-3	780	---	---	30	21	80	67	CARRIER 38MARBQ / 40MAHBQ 20.0 SEER
DHP-4 DAH-4	780	---	---	30	21	80	67	CARRIER 38MARBQ / 40MAHBQ 20.0 SEER
DHP-5 DAH-5	780	---	---	24	16	80	67	CARRIER 38MARBQ / 40MAHBQ 21.5 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.

SOUND POWER LEVEL SCHEDULE

		OCTAVE BAND CENTER Hz							
		63	125	250	500	1K	2K	4K	8K
AHU-1	DISCHARGE Lw	102	95	102	92	90	89	90	92
	INLET Lw	94	88	93	86	81	81	81	80
	CASING Lw	93	87	91	84	79	78	78	78
AHU-2	DISCHARGE Lw	97	90	95	87	84	84	86	87
	INLET Lw	88	84	86	81	75	75	76	74
	CASING Lw	87	82	84	79	73	72	73	72

1. SCHEDULED SOUND POWER LEVELS ARE MAXIMUM LEVELS ALLOWED WITHIN DESIGN LIMITS. EXCEEDING THESE LIMITS WILL REQUIRE ADDITIONAL DUCT SILENCER PERFORMANCE AT NO ADDITIONAL COST.

DEHUMIDIFIER SCHEDULE

ITEM	AIRFLOW CFM	PINTS PER DAY @ 80°DB, 60% RH	TYPE	REMARKS
D-1	200	70	DUCTED	DRISTEEM RL SERIES

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 237410 FOR FURTHER INFORMATION.

ELECTRIC HEATER SCHEDULE

ITEM	TYPE	CAPACITY KW	AIRFLOW CFM	CONTROL	REMARKS
EH-1	UNIT HEATER	5.0 277/1	350	INTEGRAL TSTAT	QMARK MUH WALL BRACKET
EH-2	HEAVY DUTY WALL HEATER	3.0 277/1	100	INTEGRAL TSTAT	QMARK AWH SURFACE MOUNT

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

LOUVER SCHEDULE

ITEM	TYPE	USE	SIZE	AIRFLOW CFM	PD. IN WG	FREE AREA FPM	BPWP FPM	REMARKS
L-1	HURRICANE	INTAKE	96"x72"	16,500	0.2	663	1,083	GREENHECK EHV-550

1. REFER TO SPEC SECTION 232210 FOR FURTHER INFORMATION.

HUMIDIFIER SCHEDULE

ITEM	AIRFLOW CFM	HUMIDIFIER LOAD LBS/HR	ELECTRIC HEATER KW	ELECTRIC HEATER STAGES	REMARKS
H-1	---	5.0	1.7	---	DRISTEEM XTR SERIES STEAM BLOWER

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 237310 FOR FURTHER INFORMATION.

DUCT SILENCER SCHEDULE

ITEM	SERVICE	AIRFLOW CFM	P.D. IN. WG	VELOCITY FPM	SIZE	DYNAMIC INSERTION LOSS (dB)								AIRFLOW GENERATED NOISE (dB)							
						65	125	250	500	1K	2K	4K	8K	65	125	250	500	1K	2K	4K	8K
AHU-X	X AIR	XX	XX	XX	X"D x X'L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

1. SCHEDULED DYNAMIC INSERTION LOSSES ARE MINIMUM LEVELS ALLOWED WITHIN DESIGN LIMITS. IF EQUIPMENT SOUND POWER LEVELS EXCEED THEIR SCHEDULED VALUES, DUCT SILENCER PERFORMANCE MUST BE INCREASED ACCORDINGLY AT NO ADDITIONAL COST.
2. REFER TO SPEC SECTION 232110 FOR FURTHER INFORMATION.

AIR DISTRIBUTION SCHEDULE

DESIGNATION	DESCRIPTION
A	6" NECK SQUARE PLAQUE FACE CEILING DIFFUSER, LAY-IN
B	8" NECK SQUARE PLAQUE FACE CEILING DIFFUSER, LAY-IN
D	12" NECK SQUARE PLAQUE FACE CEILING DIFFUSER, LAY-IN
E	8" NECK SQUARE PLAQUE FACE CEILING DIFFUSER, SURFACE MOUNTED
F	6" ROUND CONE DIFFUSER
FF	8" NECK ROUND PLAQUE FACE CEILING DIFFUSER, SURFACE MOUNTED
G	16" ROUND CONE DIFFUSER
GG	18"x8" WALL SUPPLY REGISTER
GR	Heavy Duty Bar Grille, 0 deg Blade Deflection, Blade parellel to the Height at 3/8 inch spacing
HH	12" NECK ROUND PLAQUE FACE CEILING DIFFUSER, SURFACE MOUNTED
J	60" LINEAR SLOT DIFFUSER W/ (4) 1" SLOTS
K	1'x2' EGGCRATE CEILING RETURN / EXHAUST GRILLE, LAY-IN
L	1'x1' EGGCRATE CEILING RETURN / EXHAUST GRILLE, SURFACE MOUNTED
M	1'x2' EGGCRATE CEILING RETURN / EXHAUST GRILLE, SURFACE MOUNTED
N	2'x2' EGGCRATE CEILING RETURN / EXHAUST GRILLE, LAY-IN
P	14" NECK SQUARE PLAQUE FACE CEILING DIFFUSER, LAY-IN

1. REFER TO SPEC SECTION 233423 FOR FURTHER INFORMATION.

GENERAL 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) WITH GA 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 DUCTS 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 SENSOR MOUNTING DETAIL FOR MOUNTING HEIGHT.
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.
6. 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.
10. ALL FIRE DAMPERS AND SMOKE DAMPERS (AS APPLICABLE) SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S UL LISTED DETAILS.

MECHANICAL LEGEND

⊠		SUPPLY AIR DUCT
⊠		RETURN AIR DUCT OR EXHAUST DUCT
		DUCT TRANSITION
		EXTERIOR DUCT
		SINGLE WALL SPIRAL SEAM DUCT
		DOUBLE WALL SPIRAL SEAM DUCT
		LINED DUCT
		FABRIC DUCT
XY Z		X = DIFFUSER TYPE / Y = THROW Z = AIRFLOW, CFM
	MD	MANUAL DAMPER
	MD	MOTORIZED DAMPER
	VAVD	VARIABLE AIR VOLUME DAMPER
	FD	FIRE DAMPER
	SD	SMOKE DAMPER
	FSD	FIRE / SMOKE DAMPER
	CRD	CEILING RADIATION DAMPER
		SINGLE WALL TURNING VANES
		FLEXIBLE DUCT CONNECTION
	AHU	AIR HANDLING UNIT
	TU	TERMINAL UNIT
	FCU	FAN COIL UNIT
	CH	CHILLER
	P	PUMP
	DHP	DUCTLESS HEAT PUMP
	DAH	DUCTLESS AIR HANDLER
	EH	ELECTRIC HEATER
	EF	EXHAUST FAN
	L	LOUVER
	VFD	VARIABLE FREQUENCY DRIVE
Ⓣ		THERMOSTAT / TEMPERATURE SENSOR
Ⓗ		HUMIDISTAT / HUMIDITY SENSOR
Ⓢ		DUCT SMOKE DETECTOR
Ⓖ		GAS DETECTOR
Ⓒ	CO_2	CARBON DIOXIDE DETECTOR
	AMS	AIRFLOW MEASURING STATION
	WMS	WATERFLOW MEASURING STATION
	EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
	VAV	VARIABLE AIR VOLUME
	SZAV	SINGLE-ZONE VARIABLE AIR VOLUME
	DEHUM	DEHUMIDIFICATION
	ECON	ECONOMIZER
	DCV	DEMAND CONTROL VENTILATION
Ø	DIA	DIAMETER
	OA	OUTDOOR AIR
	UG	UNDERGROUND
	W/	WITH
	AFF	ABOVE FINISH FLOOR
D		HVAC DRAIN PIPING
R		REFRIGERANT PIPING
CHWS		CHILLED WATER SUPPLY PIPING
CHWR		CHILLED WATER RETURN PIPING
		PIPE ANCHOR
		MANUAL AIR VENT
		SHUTOFF VALVE

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CENTER FOR THE ARTS
BRUNSWICK, GA 31520

MECHANICAL LEGEND & SCHEDULES

DRAWING NUMBER

M0.01

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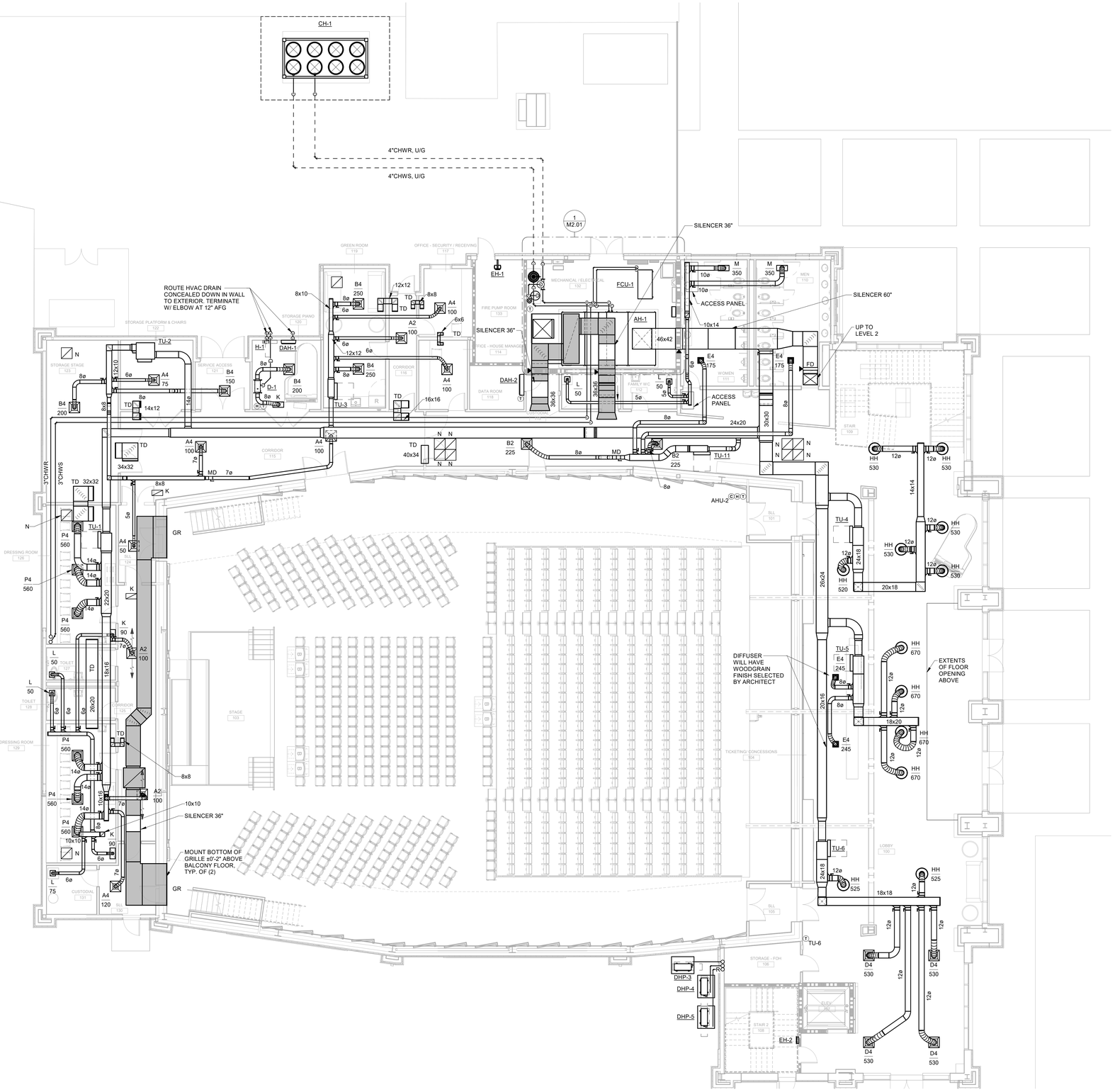


1 MECHANICAL PLAN - LEVEL 1
1/8" = 1'-0"

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF000182
EXP. 5/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

GMP SUBMITTAL - NOT FOR CONSTRUCTION

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
REL	REL	JFS

DATE: 02/26/2024

JOB NO. 222300701

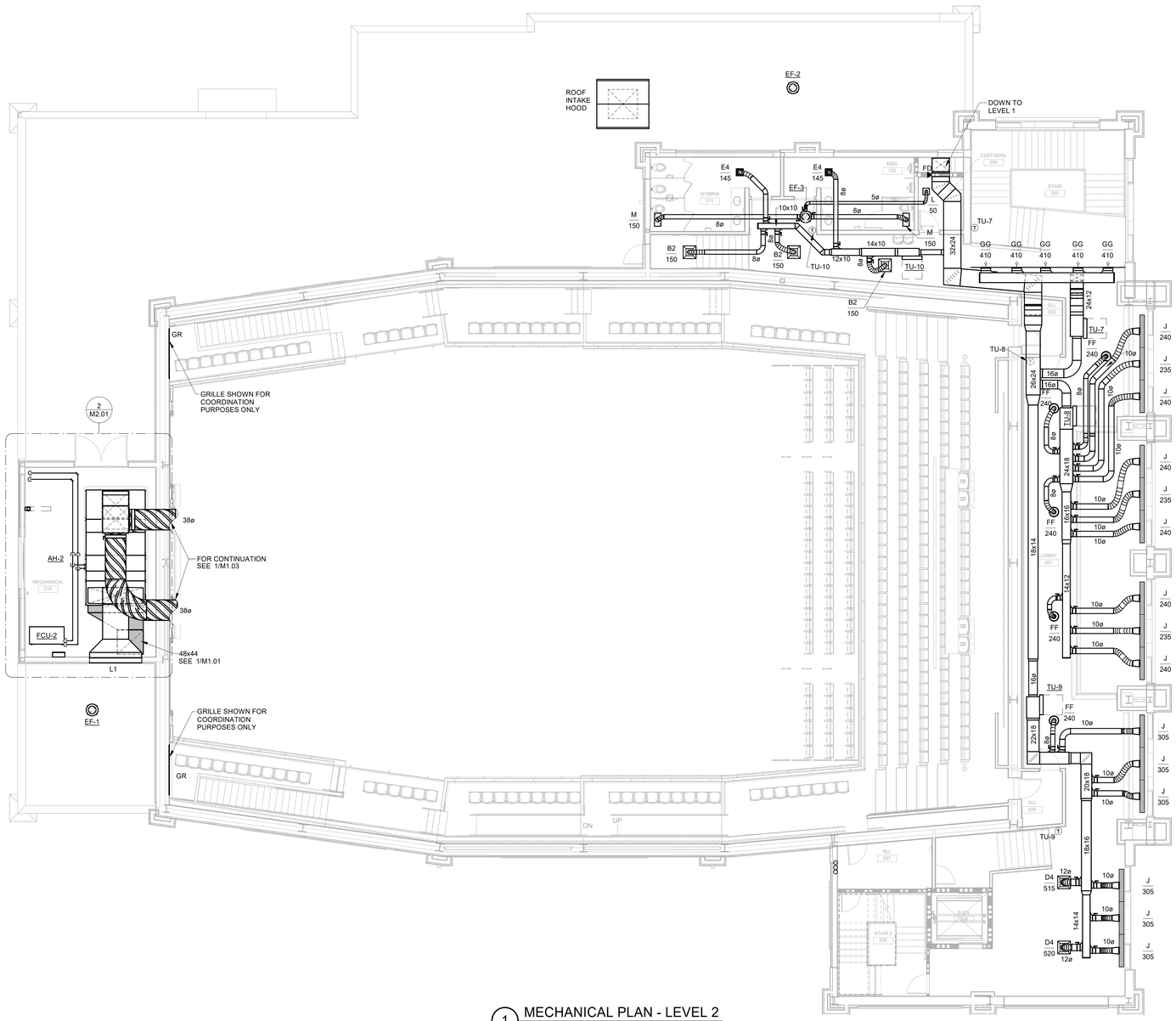
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

MECHANICAL PLAN - LEVEL 1

DRAWING NUMBER

M1.01



1 MECHANICAL PLAN - LEVEL 2
1/8" = 1'-0"

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Established 1958
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REVISIONS:

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DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

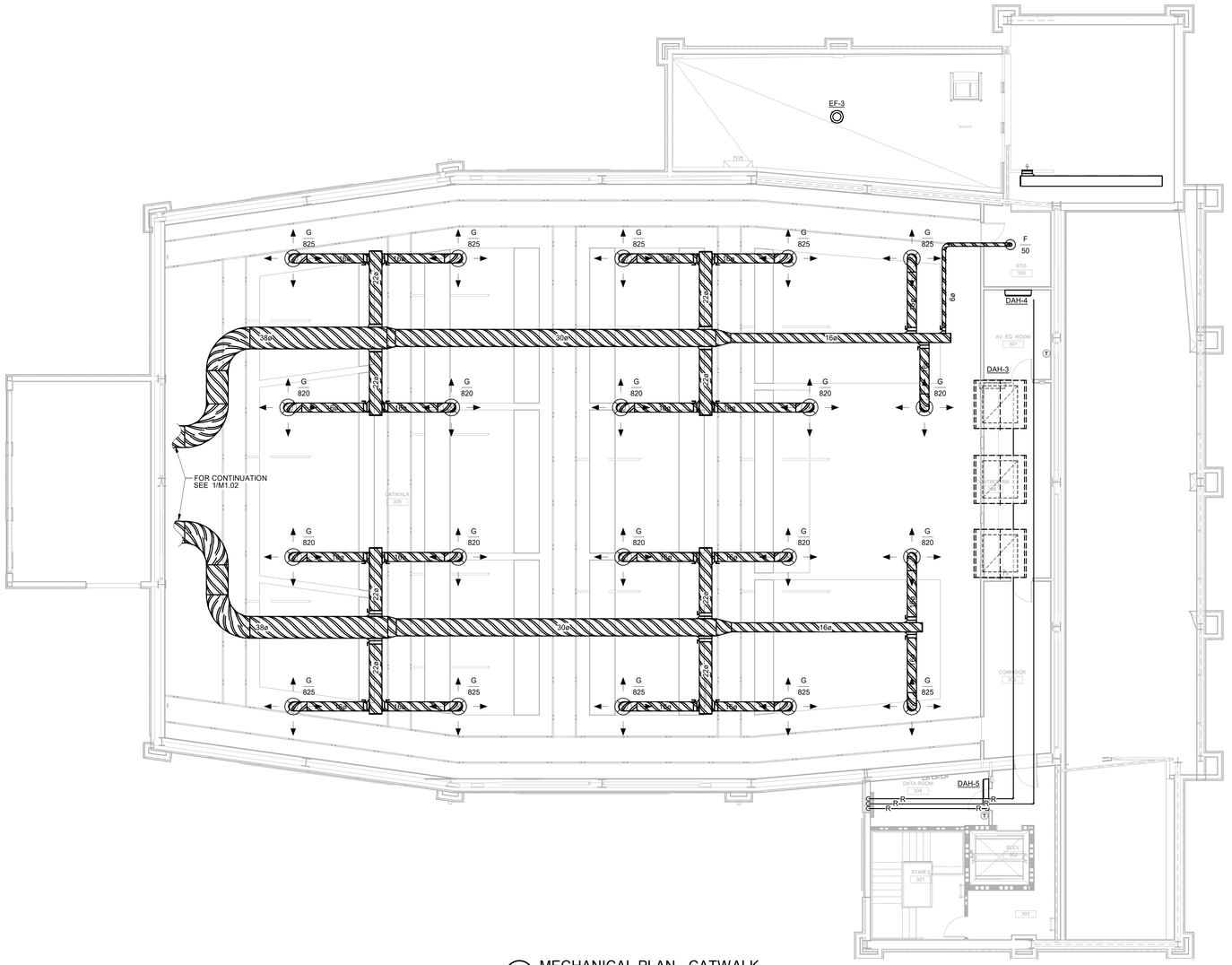
MECHANICAL PLAN - LEVEL 2

DRAWING NUMBER

M1.02

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF000182
EXP. 6/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS



1 MECHANICAL PLAN - CATWALK
1/8" = 1'-0"

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF000182
EXP. 6/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

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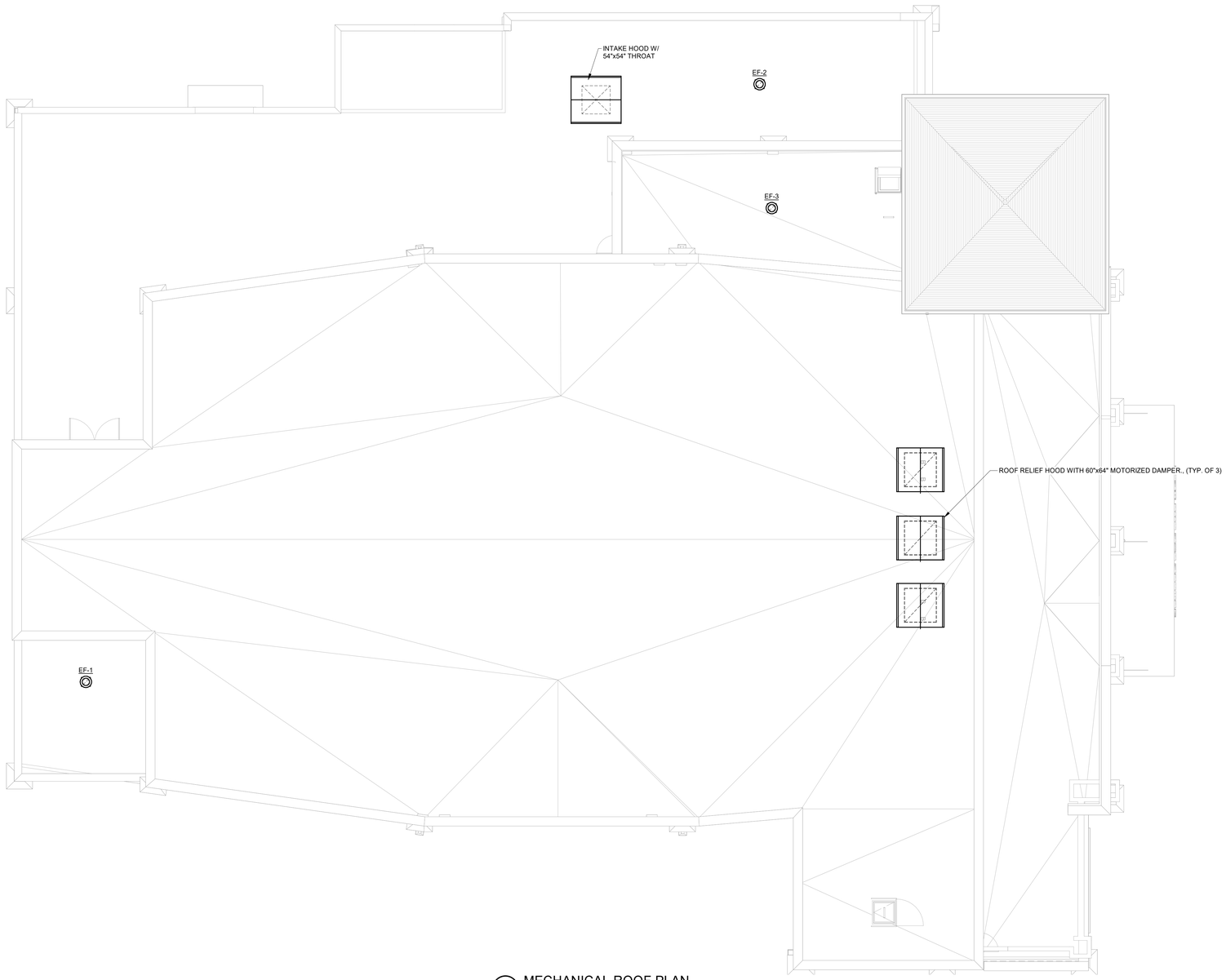
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

MECHANICAL PLAN - CATWALK

DRAWING NUMBER

M1.03



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

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CENTER FOR THE ARTS
BRUNSWICK, GA 31520

MECHANICAL ROOF PLAN

DRAWING NUMBER

M1.04

GEORGIA
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CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

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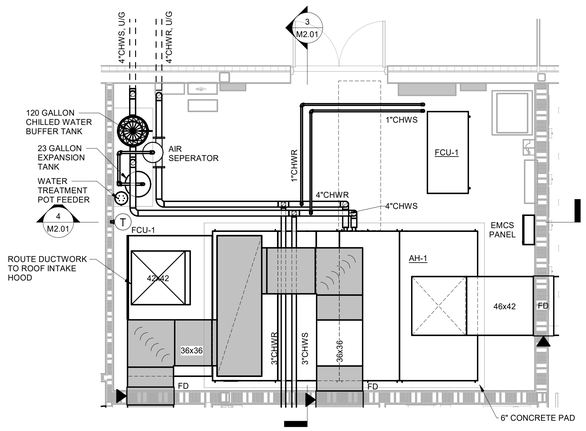
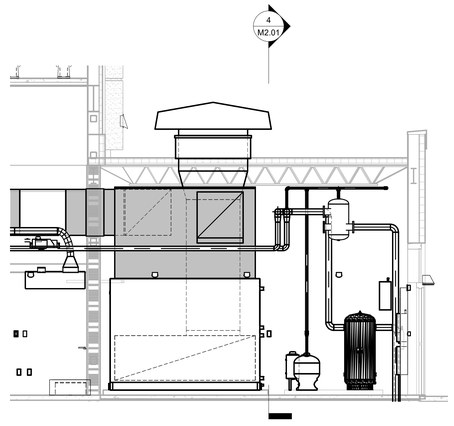
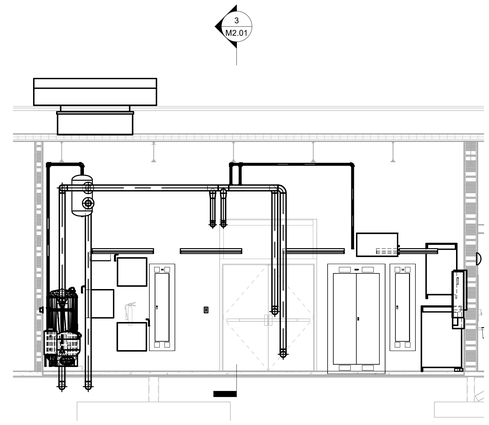


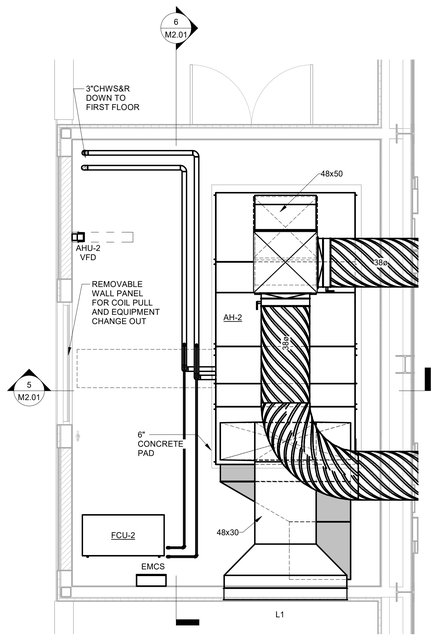
1 ENLARGED PLAN - MECHANICAL/ELECTRICAL 132
1/4" = 1'-0"



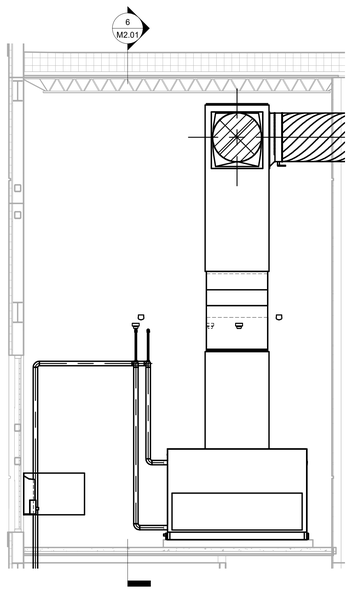
3 MECHANICAL SECTION 1 - MECH/ELEC 132
1/4" = 1'-0"



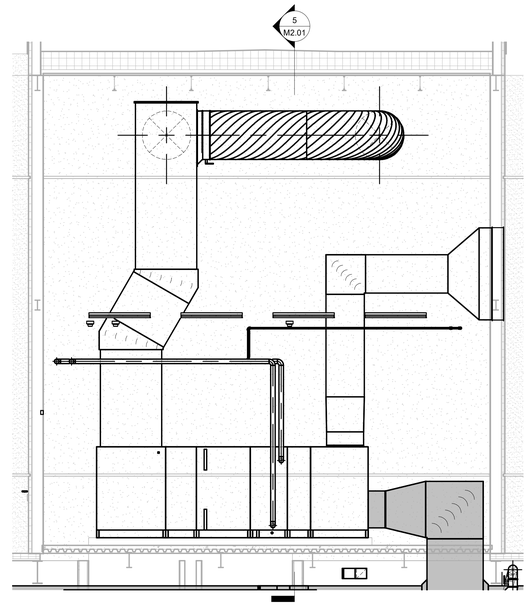
4 MECHANICAL SECTION 2 - MECH/ELEC 132
1/4" = 1'-0"



2 ENLARGED PLAN - MECHANICAL 214
1/4" = 1'-0"



5 MECHANICAL SECTION 1 - MECH 214
1/4" = 1'-0"



6 MECHANICAL SECTION 2 - MECH 214
1/4" = 1'-0"

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF001182
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DULOHERY WEEKS ENGINEERS

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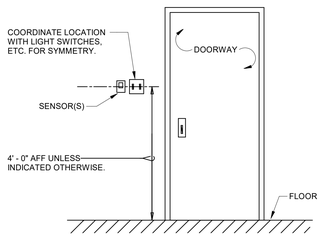
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

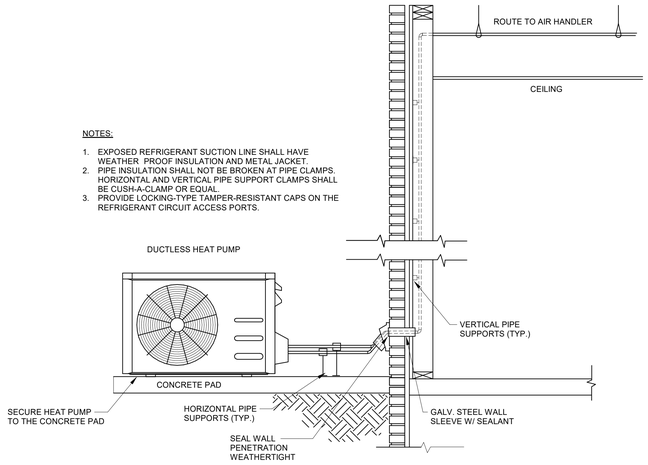
ENLARGED MECHANICAL ROOM PLANS

DRAWING NUMBER

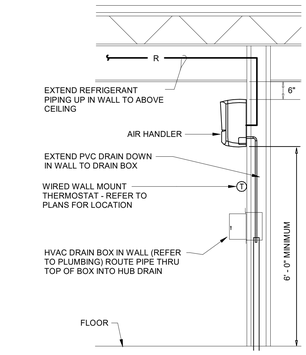
M2.01



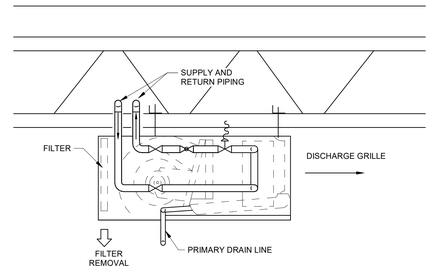
1 SENSOR MOUNTING DETAIL
NOT TO SCALE



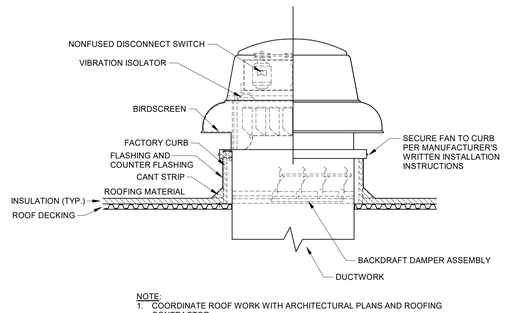
2 DUCTLESS HEAT PUMP DETAIL
NOT TO SCALE



3 WALL DUCTLESS AIR HANDLER DETAIL
NOT TO SCALE

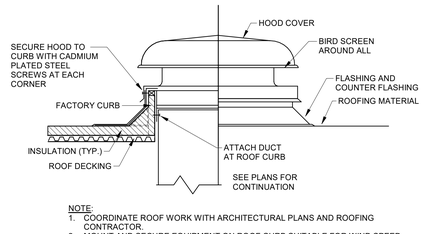


4 DUCTLESS FAN COIL DETAIL
NOT TO SCALE



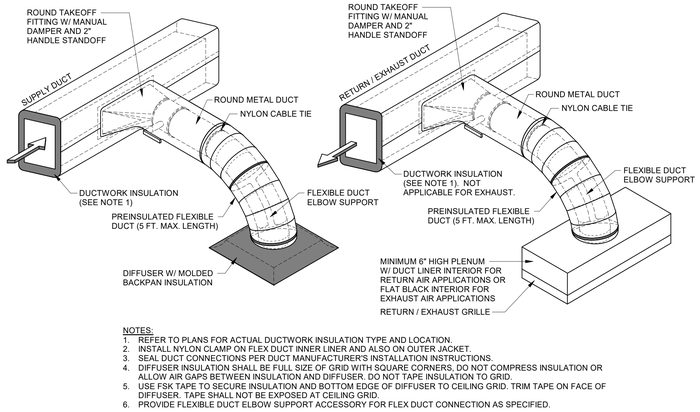
NOTE:
1. COORDINATE ROOF WORK WITH ARCHITECTURAL PLANS AND ROOFING CONTRACTOR.
2. MOUNT AND SECURE EQUIPMENT ON ROOF CURB SUITABLE FOR WIND SPEED SPECIFIED IN 239110.

5 ROOF EXHAUST FAN DETAIL
NOT TO SCALE



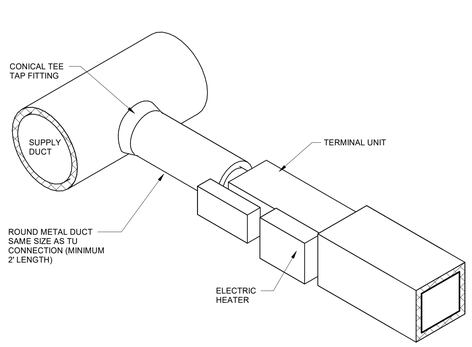
NOTE:
1. COORDINATE ROOF WORK WITH ARCHITECTURAL PLANS AND ROOFING CONTRACTOR.
2. MOUNT AND SECURE EQUIPMENT ON ROOF CURB SUITABLE FOR WIND SPEED SPECIFIED IN 239110.

6 ROOF INTAKE/EXHAUST HOOD DETAIL
NOT TO SCALE



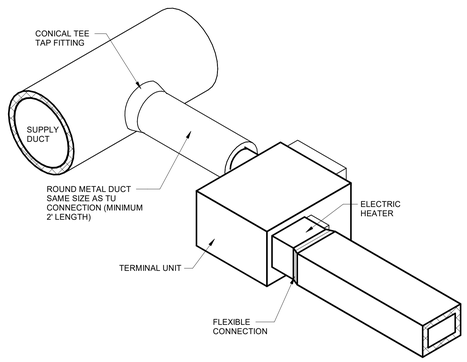
NOTES:
1. REFER TO PLANS FOR ACTUAL DUCTWORK INSULATION TYPE AND LOCATION.
2. INSTALL NYLON CLAMP ON FLEX DUCT INNER LINER AND ALSO ON OUTER JACKET.
3. SEAL DUCT CONNECTIONS PER DUCT MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. DIFFUSER INSULATION SHALL BE FULL SIZE OF GRID WITH SQUARE CORNERS, DO NOT COMPRESS INSULATION OR ALLOW AIR GAPS BETWEEN INSULATION AND DIFFUSER. DO NOT TAPE INSULATION TO GRID.
5. USE FSK TAPE TO SECURE INSULATION AND BOTTOM EDGE OF DIFFUSER TO CEILING GRID. TRIM TAPE ON FACE OF DIFFUSER. TAPE SHALL NOT BE EXPOSED AT CEILING GRID.
6. PROVIDE FLEXIBLE DUCT ELBOW SUPPORT ACCESSORY FOR FLEX DUCT CONNECTION AS SPECIFIED.

7 DIFFUSER / GRILLE DETAIL - RECTANGULAR TRUNKS
NOT TO SCALE



NOTES:
1. COORDINATE THE LOCATION OF ALL TU TO ENSURE PROPER CLEARANCES ARE PROVIDED.
2. INSTALL MATCHING HANGER BRACKETS, VIBRATION ISOLATORS, AND HANGER RODS.
3. COVER ELECTRIC HEATER SECTION WITH 2" DUCT WRAP.
4. BRANCH DUCT SIZE MUST MATCH TU INLET FOR 24" LENGTH MINIMUM.
5. WHERE PLANS SHOW BRANCH DUCT SIZE LARGER THAN TU INLET, REDUCER MUST BE LOCATED 24" MINIMUM UPSTREAM OF TU INLET.
6. INSTALL AIR TREATMENT DEVICE DOWNSTREAM OF THE TERMINAL UNIT OUTLET BEFORE ANY BRANCH TAKEOFFS. DUCT ACCESS DOOR(S) ARE PROVIDED FOR AIR TREATMENT DEVICE MAINTENANCE.

8 SINGLE DUCT TERMINAL UNIT DETAIL
NOT TO SCALE



NOTES:
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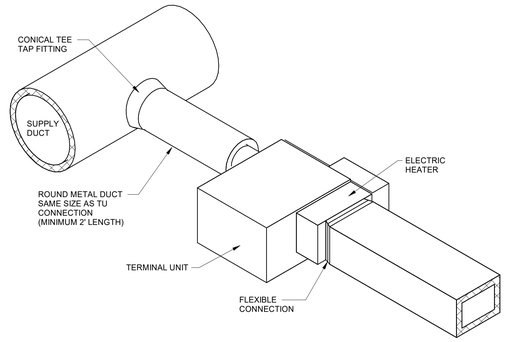
2. INSTALL MATCHING HANGER BRACKETS, VIBRATION ISOLATORS, AND HANGER RODS.
3. COVER ELECTRIC HEATER SECTION WITH 2" DUCT WRAP.
4. BRANCH DUCT SIZE MUST MATCH TU INLET FOR 24" LENGTH MINIMUM.
5. WHERE PLANS SHOW BRANCH DUCT SIZE LARGER THAN TU INLET, REDUCER MUST BE LOCATED 24" MINIMUM UPSTREAM OF TU INLET.
6. INSTALL AIR TREATMENT DEVICE DOWNSTREAM OF THE TERMINAL UNIT OUTLET BEFORE ANY BRANCH TAKEOFFS. DUCT ACCESS DOOR(S) ARE PROVIDED FOR AIR TREATMENT DEVICE MAINTENANCE.

9 PARALLEL FAN POWERED TERMINAL UNIT DETAIL
NOT TO SCALE



NOTES:
1. COORDINATE THE LOCATION OF ALL TU TO ENSURE PROPER CLEARANCES ARE PROVIDED.
2. INSTALL MATCHING HANGER BRACKETS, VIBRATION ISOLATORS, AND HANGER RODS.
3. COVER ELECTRIC HEATER SECTION WITH 2" DUCT WRAP.
4. BRANCH DUCT SIZE MUST MATCH TU INLET FOR 24" LENGTH MINIMUM.
5. WHERE PLANS SHOW BRANCH DUCT SIZE LARGER THAN TU INLET, REDUCER MUST BE LOCATED 24" MINIMUM UPSTREAM OF TU INLET.
6. INSTALL AIR TREATMENT DEVICE DOWNSTREAM OF THE TERMINAL UNIT OUTLET BEFORE ANY BRANCH TAKEOFFS. DUCT ACCESS DOOR(S) ARE PROVIDED FOR AIR TREATMENT DEVICE MAINTENANCE.

10 SERIES FAN POWERED TERMINAL UNIT DETAIL
NOT TO SCALE

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COLLEGE OF COASTAL GEORGIA
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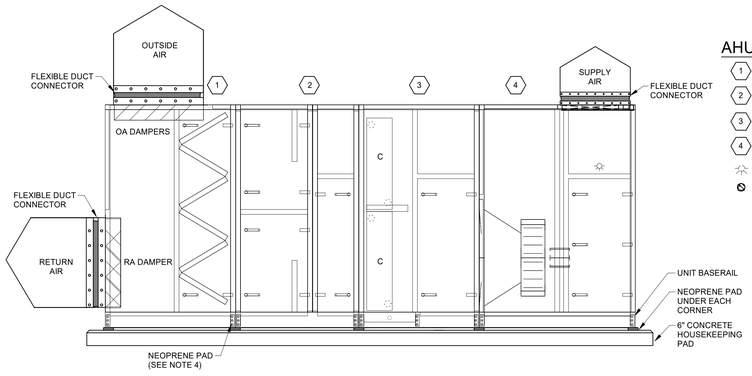
BRUNSWICK, GA 31520

MECHANICAL DETAILS

DRAWING NUMBER

M3.01



AHU MODULE LEGEND

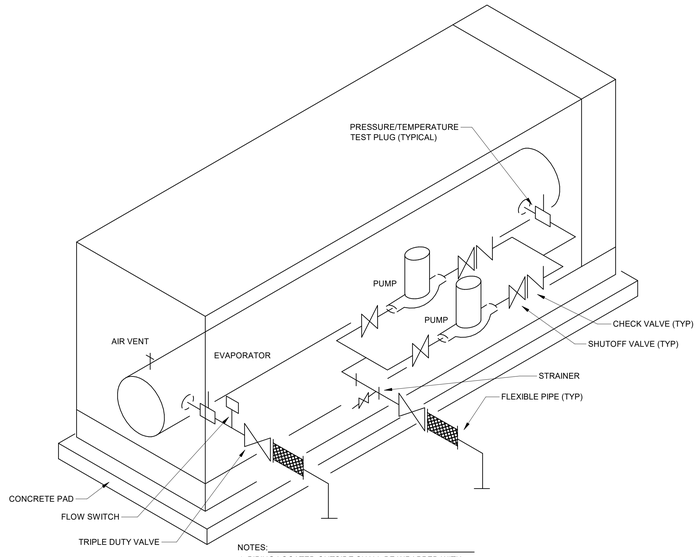
1. 4'-3" FILTER MIXING BOX W / ACCESS DOORS
2. 4'-0" ELECTRIC PREHEAT COIL AND PLENUM W / ACCESS DOOR
3. 3'-11" CHILLED WATER COIL AND PLENUM W / ACCESS DOOR
4. 5'-1" DRAW-THRU SUPPLY FAN W / ACCESS DOOR

MARINE LIGHT

MINIHELIC DIFFERENTIAL PRESSURE GAUGE

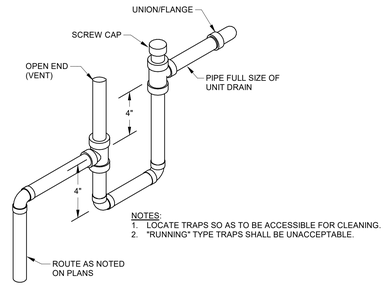
NOTES:
1. ROUTE HVAC DRAIN PIPING TO NEAREST FLOOR DRAIN LOCATED IN ASSOCIATED MECHANICAL ROOM.
2. COORDINATE HOUSEKEEPING PAD HEIGHT AND UNIT BASERAIL HEIGHT FOR PROPER DRAIN HEIGHT.
3. HOUSEKEEPING PAD SHALL EXTEND 6" BEYOND PERIMETER OF AIR HANDLING UNIT IN ALL DIRECTIONS.
4. PROVIDE NEOPRENE PADS UNDER AHU MODULE CONNECTION LOCATIONS IN ADDITION TO THE UNIT CORNERS.
5. OA DAMPERS SHALL BE SPLIT INTO A NORMAL OA DAMPER AND ECONOMIZER OA DAMPER. NORMAL OA DAMPER SHALL BE SIZED FOR 1500 FPM AT FULL FLOW. ECONOMIZER OA DAMPER SHALL BE SIZED FOR THE REMAINING AREA OF OA DUCT.

1 AHU-1 CONFIGURATION DETAIL
1/2" = 1'-0"



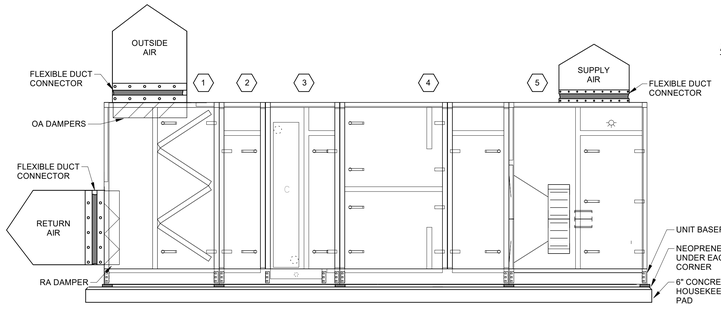
NOTES:
1. PIPING LOCATED OUTSIDE SHALL BE WRAPPED WITH HEAT TRACE TAPE, INSULATION AND METAL JACKETS.
2. PROVIDE VIBRATION ISOLATION PADS AT EACH CORNER.
3. HOUSEKEEPING PAD SHALL BE 6" LARGER ALL AROUND THAN THE BASE OF THE CHILLER.

2 AIR COOLED CHILLER DETAIL
NOT TO SCALE



NOTES:
1. LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.
2. "RUNNING" TYPE TRAPS SHALL BE UNACCEPTABLE.

3 HVAC DRAIN TRAP DETAIL
NOT TO SCALE



AHU MODULE LEGEND

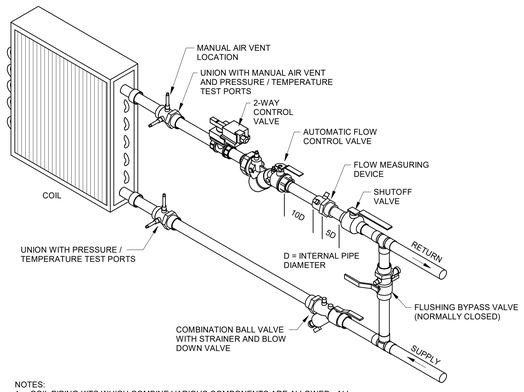
1. 3'-9" FILTER MIXING BOX W / ACCESS DOORS
2. 1'-6" PLENUM W / ACCESS DOOR
2. 2'-5" CHILLED WATER COIL AND PLENUM W / ACCESS DOOR
4. 3'-6" ELECTRIC REHEAT COIL AND 2'-0" PLENUM AND ACCESS DOOR
5. 4'-6" DRAW-THRU SUPPLY FAN W / ACCESS DOOR

MARINE LIGHT

MINIHELIC DIFFERENTIAL PRESSURE GAUGE

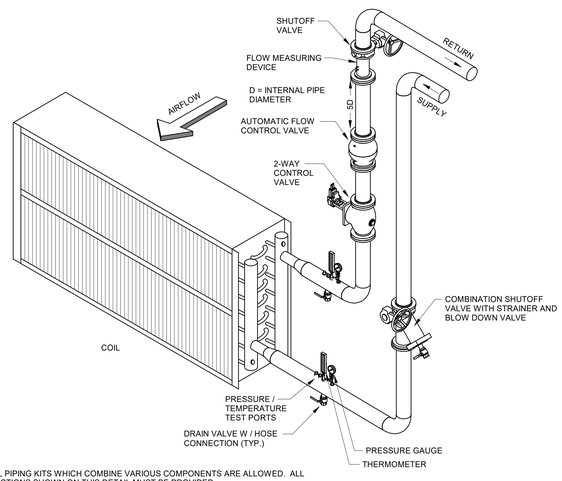
NOTES:
1. ROUTE HVAC DRAIN PIPING TO NEAREST FLOOR DRAIN LOCATED IN ASSOCIATED MECHANICAL ROOM.
2. COORDINATE HOUSEKEEPING PAD HEIGHT AND UNIT BASERAIL HEIGHT FOR PROPER DRAIN HEIGHT.
3. HOUSEKEEPING PAD SHALL EXTEND 6" BEYOND PERIMETER OF AIR HANDLING UNIT IN ALL DIRECTIONS.
4. PROVIDE NEOPRENE PADS UNDER AHU MODULE CONNECTION LOCATIONS IN ADDITION TO THE UNIT CORNERS.
5. OA DAMPERS SHALL BE SPLIT INTO A NORMAL OA DAMPER AND ECONOMIZER OA DAMPER. NORMAL OA DAMPER SHALL BE SIZED FOR 1500 FPM AT FULL FLOW. ECONOMIZER OA DAMPER SHALL BE SIZED FOR THE REMAINING AREA OF OA DUCT.

4 AHU-2 CONFIGURATION DETAIL
1/2" = 1'-0"



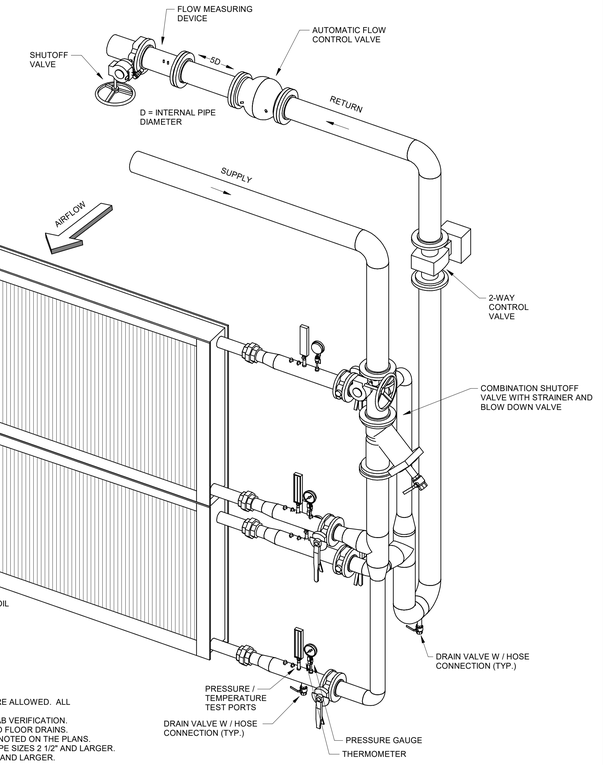
NOTES:
1. COIL PIPING KITS WHICH COMBINE VARIOUS COMPONENTS ARE ALLOWED. ALL FUNCTIONS SHOWN ON THIS DETAIL MUST BE PROVIDED.
2. FLOW MEASURING DEVICES ARE REQUIRED TO FACILITATE TAB VERIFICATION.
3. WHERE COILS ARE LOCATED IN MECHANICAL ROOMS, AIR VENT DISCHARGE SHALL BE PIPED WITH COPPER TUBE TO FLOOR DRAINS.
4. ALL CONTROL VALVES SHALL BE 2-WAY UNLESS OTHERWISE NOTED ON THE PLANS.

5 FCU COIL PIPING DETAIL
NOT TO SCALE



NOTES:
1. COIL PIPING KITS WHICH COMBINE VARIOUS COMPONENTS ARE ALLOWED. ALL FUNCTIONS SHOWN ON THIS DETAIL MUST BE PROVIDED.
2. FLOW MEASURING DEVICES ARE REQUIRED TO FACILITATE TAB VERIFICATION.
3. AIR VENT DISCHARGE SHALL BE PIPED WITH COPPER TUBE TO FLOOR DRAINS.
4. ALL CONTROL VALVES SHALL BE 2-WAY UNLESS OTHERWISE NOTED ON THE PLANS.
5. SHUTOFF VALVES SHALL BE TTTTHE BUTTERFLY TYPE FOR PIPE SIZES 2 1/2" AND LARGER. PROVIDE WITH GEAR OPERATED HANDLES FOR PIPE SIZES 4" AND LARGER.

6 AHU-2 COIL PIPING DETAIL
NOT TO SCALE



NOTES:
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5. SHUTOFF VALVES SHALL BE TTTTHE BUTTERFLY TYPE FOR PIPE SIZES 2 1/2" AND LARGER. PROVIDE WITH GEAR OPERATED HANDLES FOR PIPE SIZES 4" AND LARGER.

7 AHU-1 COIL PIPING DETAIL
NOT TO SCALE

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SCALE: AS NOTED

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BRUNSWICK, GA 31520

MECHANICAL DETAILS

DRAWING NUMBER

M3.02

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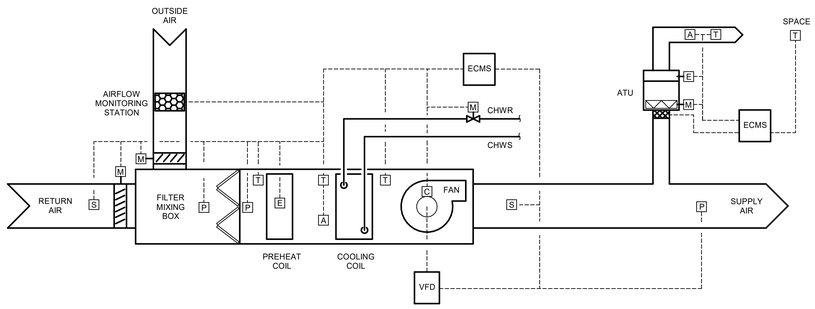
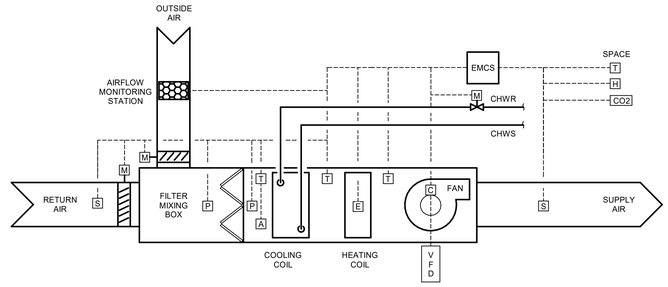


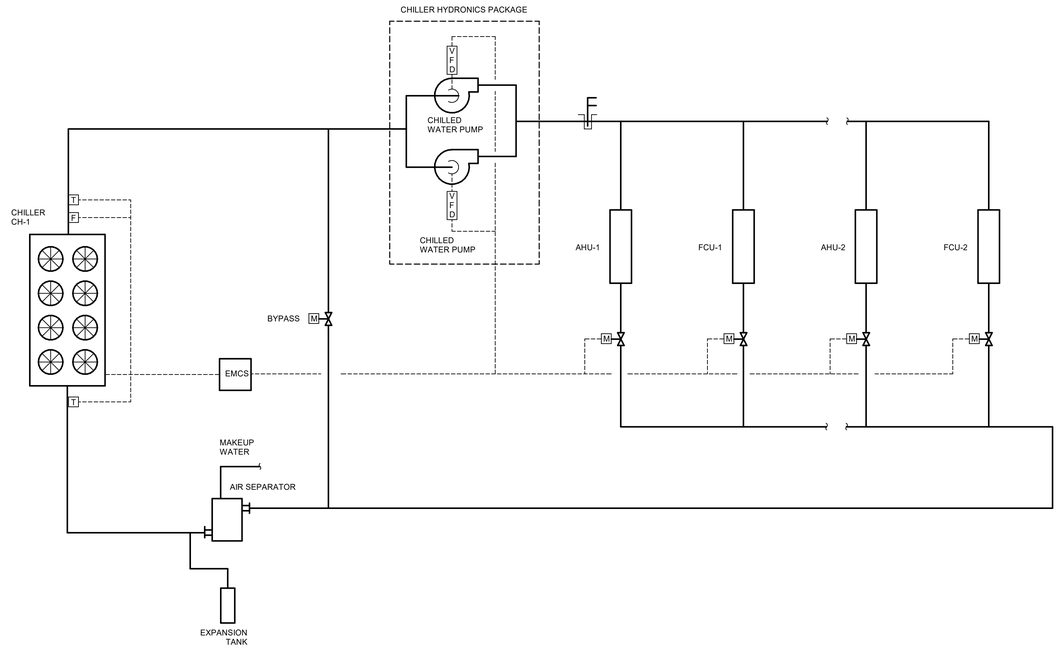
1 AHU-1 CONTROL SCHEMATIC
NOT TO SCALE



2 AHU-2 CONTROL SCHEMACTIC
NOT TO SCALE

CONTROL DIAGRAM LEGEND

T	TEMPERATURE SENSOR
P	PRESSURE SENSOR
A	AIR TREATMENT DEVICE
F	FLOW SWITCH
C	CURRENT SWITCH
E	ELECTRIC HEAT CONTROLLER
S	SMOKE DETECTOR (DIV. 26000)
M	MOTORIZED ACTUATOR
	FLOW METERING STATION
	TRIPLE DUTY VALVE
M	CONTROL VALVE
VFD	VARIBLE FREQUENCY DRIVE



3 CHILLED WATER FLOW DIAGRAM
NOT TO SCALE

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF000182
EXP. 6/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

GMP SUBMITTAL -NOT FOR CONSTRUCTION

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
REL	REL	JFS

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

CONTROL SCHEMATICS

DRAWING NUMBER

M4.01

LEGEND:

LIGHTING FIXTURES:

UPPERCASE LETTER ADJACENT TO FIXTURE DENOTES DESIGNATION PER THE LIGHTING FIXTURE SCHEDULE. LOWERCASE LETTER DENOTES SWITCHLEG. THE RESPECTIVE SWITCH WILL HAVE THE SAME DESTINATIONS. NUMERAL DENOTES BRANCH CIRCUIT CONNECTION.

REFER TO THE FIXTURE SCHEDULE FOR THE SPECIFIC FIXTURE INFORMATION.

NON-EMERGENCY	EMERGENCY	
		LIGHTING FIXTURE: LINEAR LED
		LIGHTING FIXTURE: LINEAR LED
		LIGHTING FIXTURE: LINEAR LED
		LIGHTING FIXTURE: LED STRIP
		LIGHTING FIXTURE: LED, WALL MTD.
		DOWNLIGHT/SCONCE FIXTURE
		EXIT / AREA OF REFUGE LIGHT: UNIVERSAL MTD.
		LIGHT TRACK: LENGTH AS SHOWN

DEVICE IDENTIFIER TAGS:

NUMERAL ADJACENT TO DEVICE DENOTES BRANCH CIRCUIT CONNECTION. IDENTIFIER TAGS ADJACENT TO DEVICES INDICATE:

C	MOUNT ABOVE COUNTERTOP OR BACKSPLASH, 9" ABOVE WORK SURFACE TO CENTER
XX"	MOUNT DEVICE AT HEIGHT INDICATED
WP	PROVIDE WEATHER-PROOF COVER
PS	POWER STATION OUTLET: PROVIDE QUADRUPLEX RECEPTACLE WITH (4) USB CHARGING PORTS OR DUPLEX WITH (2) USB CHARGING PORTS AS INDICATED.

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.

ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE:

	NORMAL POWER RECEPTACLE: SIMPLEX
	NORMAL POWER RECEPTACLE: DUPLEX, TAMPER RESISTANT TYPE.
	NORMAL POWER RECEPTACLE: QUADRUPLEX, TAMPER RESISTANT TYPE.
	NORMAL POWER RECEPTACLE: GROUND-FAULT-INTERRUPTING, TAMPER RESISTANT TYPE.
	FLUSH FLOOR BOX WITH (2) DUPLEX RECEPTACLES AND (2) COMMUNICATIONS COMPARTMENTS. PROVIDE 1-1/4" CONDUIT FROM EACH COMMUNICATIONS COMPARTMENT TO ABOVE ACCESSIBLE CEILING FOR COMMUNICATIONS CABLING. COORDINATE FINISH OF FLANGE AND COVERPLATE WITH ARCHITECT.
	6" (3) GANG FLUSH POKE THRU WITH (2) DUPLEX RECEPTACLES AND (1) COMMUNICATION COMPARTMENT. PROVIDE 1-1/4" CONDUIT FROM COMMUNICATION COMPARTMENT TO ABOVE ACCESSIBLE CEILING FOR COMMUNICATIONS CABLING. COORDINATE FINISH OF FLANGE AND COVERPLATE WITH ARCHITECT.
	NORMAL POWER RECEPTACLE: DRYER, 30 AMP, 120/250 VOLT
	NORMAL POWER RECEPTACLE: SPECIAL PURPOSE , COORDINATE NEMA RATING WITH SPECIFIED EQUIPMENT
W	NORMAL POWER ELECTRIC WATER COOLER POWER CONNECTION, GFI CIRCUIT BREAKER.
HD	NORMAL POWER HAND DRYER. COORDINATE MOUNTING HEIGHT W/ ARCHITECTURAL ELEVATIONS PROVIDE HASP LOCK GFI CIRCUIT BREAKER.
	RECEPTACLE: QUADRUPLEX, CEILING MOUNTED

SWITCHES:

MOUNTING HEIGHT OF SWITCHES SHALL BE 46" NOMINAL, ADJUSTED IN THE SAME MANNER AS SPECIFIED ABOVE, FOR RECEPTACLES. LOWERCASE LETTER INDICATES SWITCHLEG CONNECTION. THE RESPECTIVE FIXTURE(S) WILL HAVE THE SAME DESIGNATION.

S	SWITCH: SINGLE-POLE
S_3	SWITCH: THREE-WAY TYPE
S_4	SWITCH: FOUR-WAY TYPE
S_a	SWITCH: SUBSCRIPT THAT INDICATES CORRESPONDING FIXTURES THAT SWITCH CONTROLS
S_K	SWITCH: KEY-OPERATED
S_O	SWITCH: OVERRIDE
O_S	OCCUPANCY SENSOR, CEILING MOUNTED
D_L	DAYLIGHT SENSOR, CEILING MOUNTED
ES	SWITCHED EMERGENCY LIGHTING, DETAIL 1/E-002.
VS	VACANCY SENSOR, WALL MOUNTED WITH SWITCH
OS	OCCUPANCY SENSOR, WALL MOUNTED WITH SWITCH

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.

S_M	SWITCH: MOTOR RATED, WITHOUT OVERLOAD PROTECTION
	DISCONNECT SWITCH
T	DRY-TYPE TRANSFORMER
	PANELBOARD: SURFACE MOUNTED
XX-1	EQUIPMENT AS NOTED, SEE ABBREVIATIONS, THIS SHEET
PC	PHOTOCELL: LOCATE UNDER EAVES, FACING NORTH, AVOID ANY OTHER OUTSIDE LIGHT SOURCE
	STARTER / DISCONNECT SWITCH. SEE PLAN FOR SIZE SEE SPECIFICATIONS FOR TYPE.

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 262010, 262080, & 26030 FOR SPECIAL REQUIREMENTS.

	BRANCH CIRCUIT: CONCEALED
	BRANCH CIRCUIT: CONCEALED IN FLOOR SLAB
	BRANCH CIRCUIT: EXPOSED
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.

FIRE ALARM:

F	FIRE ALARM PULL STATION. WALL MOUNTED WITH OPERABLE PART OF THE DEVICE AT 46" AFF.
	FIRE ALARM SIGNAL, SPEAKER AND FLASHING LIGHT, 80" AFF TO THE BOTTOM OF THE LENS. "C" DESIGNATION INDICATES CEILING MOUNTED.
	FIRE ALARM STROBE LIGHT, 80" AFF TO THE BOTTOM OF THE LENS.
	FIRE ALARM STROBE LIGHT, CEILING MOUNTED.
H	FIRE ALARM SIGNAL, HORN. 90" AFF TO THE TOP OF THE DEVICE. WEATHER PROOF.
	FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED.
	FIRE ALARM DUCT SMOKE DETECTOR LOCATED IN HVAC DUCT.
	FIRE ALARM HEAT DETECTOR, 135 DEG, OPERATION.
	FIRE ALARM CARBON MONOXIDE DETECTOR, PROVIDE 120 VOLT CONNECTION TO NEAREST UNSWITCHED RECEPTACLE CIRCUIT.
FSCU	FIRE ALARM CONNECTION, HOOD EXTINGUISHING SYSTEM, SEE MECHANICAL DRAWINGS FOR LOCATION. INTERLOCK WITH SHUNT TRIP BREAKERS FOR EQUIPMENT UNDER HOOD.
DH	FIRE ALARM DOOR HOLDER, WALL MOUNTED, CONSULT ARCHITECTURAL DRAWINGS TO DETERMINE TYPE REQUIRED. PROVIDE POWER FROM NEAREST RECEPTACLE CIRCUIT AND CONNECT TO FIRE ALARM SYSTEM.
VS	TAMPER SWITCH, FURNISHED AND INSTALLED WITH SPRINKLER SYSTEM. INTERLOCK WITH FIRE ALARM SYSTEM BY ELECTRICAL.
WF	FLOW SWITCH, FURNISHED AND INSTALLED WITH SPRINKLER SYSTEM. INTERLOCK WITH FIRE ALARM SYSTEM BY ELECTRICAL.
FACP	FIRE ALARM CONTROL PANEL, SURFACE WALL MOUNTED.
FAA	FIRE ALARM REMOTE LCD ANNUNCIATOR PANEL. FLUSH RECESSED WALL MOUNTED.
MIC	FIRE ALARM REMOTE VOICE EVACUATION MICROPHONE FLUSH RECESSED WALL MOUNTED.
SD	SMOKE DAMPER, 120V, PROVIDE POWER CONNECTION AND ALL NEEDED SMOKE DETECTION AND CONTROL MODULES AS REQUIRED BY NFPA 72 FOR PROPER OPERATION.
CM	CONTROL MODULE
MM	MONITOR MODULE
AUX	AUXILARY POWER SUPPLY

MISCELLANEOUS COMPONENTS:

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

GENERAL NOTES:

1. 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.
2. 2 / E4.7 SYMBOL WHERE SHOWN AT OR NEAR A ROOM INDICATES THAT ROOM IS SHOWN AS A TYPICAL LARGE SCALE. (2) INDICATES THE DETAIL NUMBER AND (E4.2) INDICATES THE SHEET NUMBER.
3. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED WITH THE WORD "ALUMINUM" IN THE DESCRIPTION.
4. PRIOR TO RUNNING ANY CONDUIT, COORDINATE LOCATIONS OF ALL WALL MOUNTED DEVICES WITH WALL MOUNTED ACOUSTICAL PANELS. SEE ARCHITECTURAL DRAWINGS FOR SPACES IN WHICH WALL PANELS ARE INSTALLED.
5. PRIOR TO RUNNING CONDUIT, COORDINATE LOCATIONS OF ALL WALL MOUNTED DEVICES WITH WALL MOUNTED SAFETY PADS IN GYMNASIUM.
6. WHERE COMPLETE BRANCH CIRCUIT WIRING IS NOT SHOWN, PROVIDE 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.
7. REFER TO THE ELECTRICAL PANELBOARD SCHEDULES AND EQUIPMENT RATINGS & CONNECTIONS SCHEDULE FOR VOLTAGE, BRANCH CIRCUITS REQUIREMENTS, BREAKERS SIZES AND OTHER RELATED ELECTRICAL EQUIPMENT TO BE PROVIDED AND/OR INSTALLED BY THE ELECTRICAL CONTRACTOR.

ABBREVIATIONS:

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

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION		MANUFACTURER / SERIES	REFLECTOR/DIFFUSER	FINISH	MOUNTING	LAMPS	NOTES
B1	2X4	INDIRECT / DIRECT	LITHONIA BLT SERIES METALUX DAY-BRITE HUBBELL LCAT SERIES	SMOOTH FROSTED ACRYLIC LENS	WHITE	RECESSED	>4800 LUMENS <50W	90CRI
D1	4"	ROUND LED DOWNLIGHT	LUMEWERX AE4RR SERIES OR EQUAL BY: PRESCOLITE, INTENSE, LITHONIA	CLEAR SPECULAR LOW IRIDECENT REFLECTOR.	TO BE SELECTED BY ARCHITECT	RECESSED	>1000 LUMENS <15W	90CRI
							>1500 LUMENS <20W	
D2	4"						>2000 LUMENS <25W	
E1	4' LONG STANDARD STRIP		METALUX SNLED SERIES COLUMBIA LCL SERIES LITHONIA CLX SERIES CREE LS4C SERIES	ROUND FROSTED LENS	WHITE	SEE SPECIFICATIONS	>4800 LUMENS <50W	
E1B					BLACK			
G1	4' LONG VAPORTITE STRIP		LITHONIIA VAP SERIES COLUMBIA METALUX CREE C-VT SERIES	ROUND FROSTED LENS	WHITE	SURFACE WALL OR CEILING	>4800 LUMENS <50W	
OA	LED WALL PACK SURFACE MOUNT VANDAL RESISTANT		MCGRAW/EDISON IST SERIES SPAULDING TRP SERIES GARDCO 101 SERIES LITHONIA WST SERIES	TYPE TWO DISTRIBUTION	BY ARCHITECT	WALL MOUNT	>5000 LUMENS <55W	
OB	BOLLARD FIXTURE. SEE DETAIL.		LITHONIA "3110 LOUVER BOLLARD SYMMETRIC" SERIES OR PRIOR APPROVED EQUAL		BY ARCHITECT	BOLLARD BASE SEE DETAIL	>3000 UMENS, <300W	
OC	POST TOP AREA LIGHT		FIXTURE MUST MATCH CAMPUS STANDARD AREA LIGHT		BY ARCHITECT	POLE BASE SEE DETAIL	>20,000 LUMENS, <200W	
P1	LED PENDANT CLUSTER		OCL "GLOWBALL" SERIES OR EQUAL BY: NULITE, LUMENWERX	SEE PLAN FOR QUANTITY AND SIZES	ALL OPTIONS SELECTED BY ARCHITECT	PENDANT LENGTHS VARY	>4000 LUMENS <50W	90CRI
T1	TRACK LIGHT SYSTEM: 7/8" METAL SNOOT, 12V, TRACK LIGHT HEAD WITH STRAIGHT TRACK.		BRUCK "CLAREO SPOT" / VIA STRAIGHT TRACK HALO ARCHITRAK TECH LIGHTING NORA "CYNDI" SERIES		MATTE CHROME	TRACK	DIMMABLE LED MR16 <12W	PROVIDE REMOTE TRANSFORMER. PROVIDE ADAPTORS FOR COMPLETE INSTALLATION.
V1	VANITY FIXTURE SEE ELEVATION ON SHEET E1.01		PURE EDGE "TWIGGY S1" DYNAMIC TUNABLE WHITE OR PRIOR APPOVED EQUAL.	SQUARE "MILKY" WHITE DIFFUSER LENS PROVIDE DUAL 0-10V DIMMING FOR COLOR TEMP. CONTROL AND DIMMING	SELECTED BY ARCHITECT	WALL - SURFACE	5 W/FT	CRI 90 PROVIDE REMOTE POWER SUPPLIES
V3	2' BATHROOM VANITY LIGHT		SCOTT "S3500" SERIES, OR EQUAL BY TERON, VISA, ESTRUZ, TECH LIGHTING, BROWNLEE	ACRYLIC DIFFUSER	BRUSHED ALUMINUM	WALL MOUNT 6' ABOVE MIRROR	>800 LUMENS <20W	
XA	SINGLE FACE		BEGHELLI LC1E SERIES DUAL LITE CVD SERIES SURE-LITE CX SERIES	GREEN LETTERS "EXIT"	STENCIL FACE BRUSHED ALUMINUM	UNIVERSAL	LED	DIRECTION OF ARROWS AS INDICATED ON PLANS
XB	DOUBLE FACE							
XRA	SINGLE FACE		BEGHELLI LC1E SERIES DUAL LITE CVD SERIES SURE-LITE CX SERIES	GREEN LETTERS "AREA OF REFUGE"	STENCIL FACE BRUSHED ALUMINUM	UNIVERSAL	LED	DIRECTION OF ARROWS AS INDICATED ON PLANS
XRB	DOUBLE FACE							

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REVISIONS:

DESIGNED	DRAWN	CHECKED
GJC	GJC	WOW

DATE: 02/26/2024

JOB NO. 222300701

SCALE AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

ELECTRICAL PLAN - SCHEDUELS & LEGENDS

DRAWING NUMBER

E0.01

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF000182
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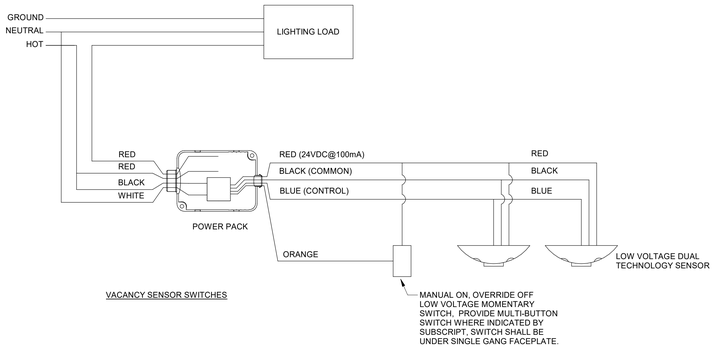
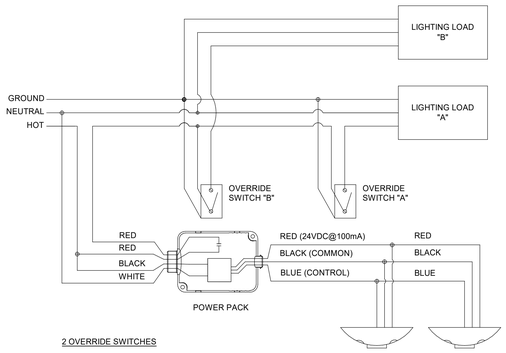
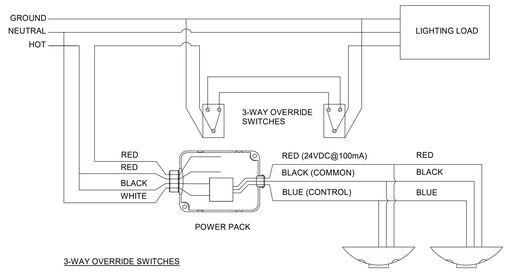


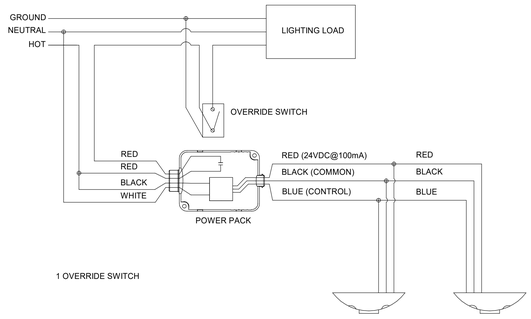
VACANCY SENSOR SWITCHES



2 OVERRIDE SWITCHES



3-WAY OVERRIDE SWITCHES



1 OVERRIDE SWITCH

NOTES: (OCCUPANCY SENSOR WIRING DETAIL)

A. NOT ALL MANUFACTURERS' WIRING CONFIGURATIONS ARE THE SAME. REFER TO MANUFACTURER SPECIFIC WIRING DETAILS PRIOR TO INSTALLATION.

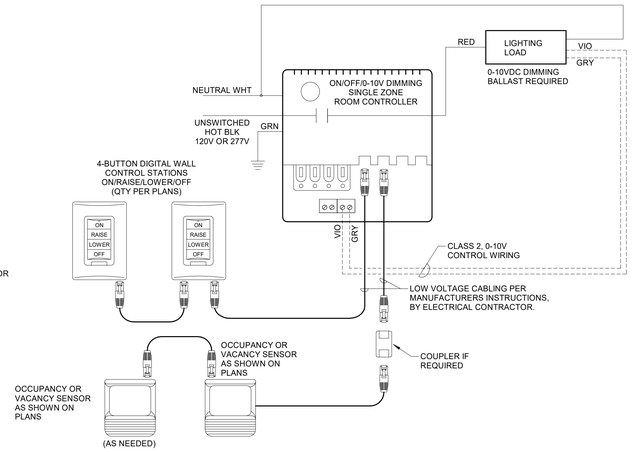
B. THESE PLANS INDICATE AREAS TO BE CONTROLLED BY OCCUPANCY OR VACANCY SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION, AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.

C. THERE ARE NO POWER PACKS SHOWN ON THESE PLANS. PROVIDE POWER PACKS AS REQUIRED WITH SENSORS. POWER PACKS ARE TO BE RATED AT 20A. PROVIDE ONE POWER PACK PER 20A LIGHTING CIRCUIT OR PER INDIVIDUAL AREA BEING CONTROLLED.

D. CEILING SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSORS WITH MECHANICAL AND LIGHTING PLANS.

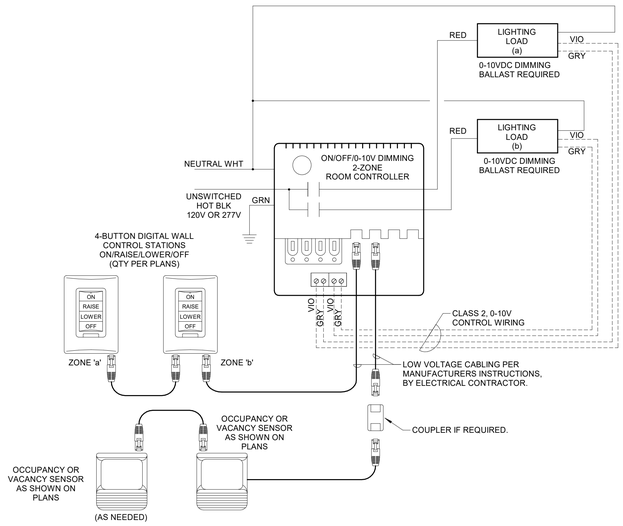
E. ALL SENSORS SHALL BE CEILING MOUNTED EXCEPT WHERE CEILING HEIGHTS EXCEED 15'. PROVIDE SENSOR WITH ADAPTOR PLATE FOR JUNCTION BOX MOUNTING (JUNCTION BOX SHALL BE CONCEALED ABOVE ACCESSIBLE CEILING). JUNCTION BOX SHALL BE SUPPORTED FORM STRUCTURE UTILIZING A 3/8" THREADED ROD. WHERE CEILING HEIGHTS EXCEED 15', WALL MOUNT SENSORS AT 12'.

1 OCCUPANCY SENSOR WIRING
NOT TO SCALE



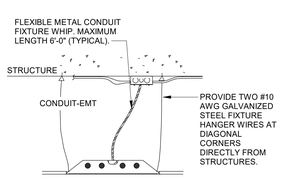
NOTES:
1. 0-10V AND LINE VOLTAGE WIRING SHALL BE ROUTED IN SEPARATE RACEWAYS.

2 SINGLE ZONE 0-10V DIMMING WIRING
NOT TO SCALE



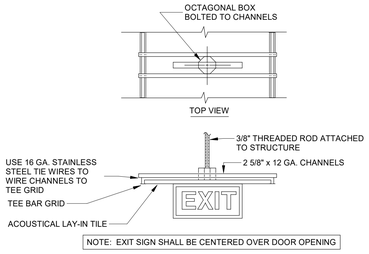
NOTES:
1. FURNISH AND INSTALL QUANTITY OF 2-ZONE ROOM CONTROLLERS TO ACHIEVE TOTAL QUANTITY OF DIMMING ZONES FOR EACH SPACE INDICATED ON PLANS. CONNECT ROOM CONTROLLERS TOGETHER PER MANUFACTURER'S RECOMMENDATIONS.
2. 0-10V AND LINE VOLTAGE WIRING SHALL BE ROUTED IN SEPARATE RACEWAYS.

3 MULTIPLE ZONE 0-10V DIMMING WIRING
NOT TO SCALE

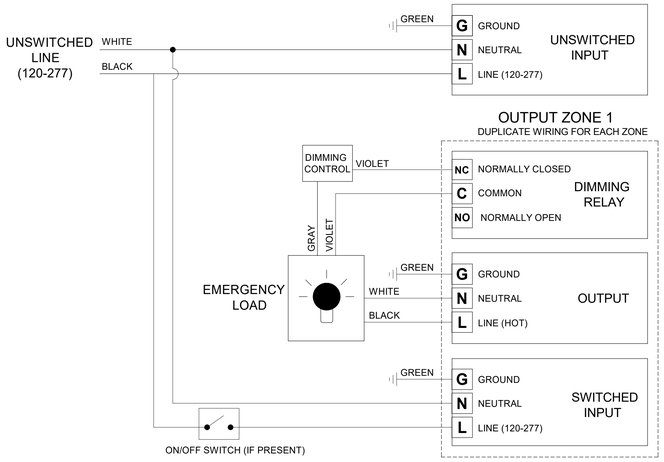


FIXTURE MOUNTING FOR LAY IN GRID CEILING

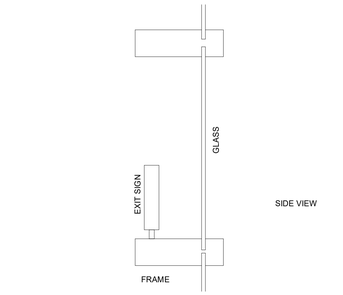
4 LIGHT FIXTURE MOUNTING
NOT TO SCALE



5 EXIT LIGHT MOUNTING
NOT TO SCALE



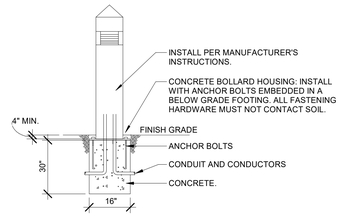
8 LIGHTING INVERTER WIRING DIAGRAM
NOT TO SCALE



NOTES:

1. THE EXIT SIGNS SHOWN TO BE INSTALLED ON THE STOREFRONT WINDOWS SHALL BE INSTALLED AS DETAILED ABOVE. THE EXIT SIGNS SHALL BE WIRED VIA THE STOREFRONT FRAME.

6 EXIT SIGN DETAIL AT STOREFRONT WINDOWS
NOT TO SCALE



7 BOLLARD DETAIL
NOT TO SCALE

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GMP SUBMITTAL -NOT FOR CONSTRUCTION

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS

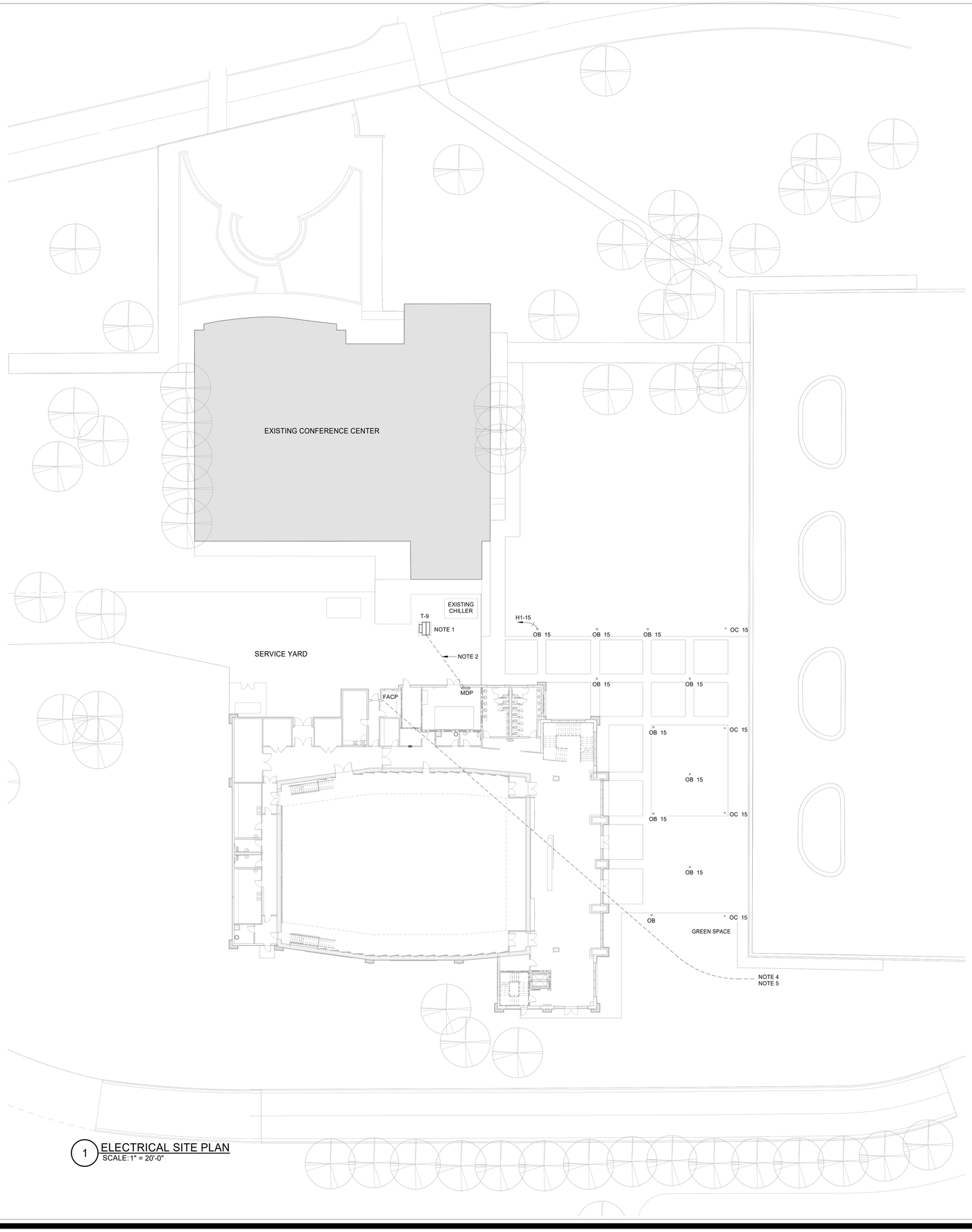
DESIGNED	DRAWN	CHECKED
GJC	GJC	WOW
DATE: 02/26/2024		
JOB NO. 222300701		
SCALE AS NOTED		

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

LIGHTING DETAILS

DRAWING NUMBER

E0.02



1 ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

NOTES:

1. EXISTING TRANSFORMER IS TO BE REMOVED AND REPLACED BY GEORGIA POWER - SEE RISER DIAGRAM.
2. PROVIDE CONCRETE ENCASED DUCT BANK. SEE SPECIFICATIONS AND DETAILS ON SHEET E5.02. UNDERGROUND SECONDARY. REFER TO RISER.
3. GENERAL: SEE DATA CONSULTANT DRAWINS FOR CONDUIT REQUIREMENTS FOR THIS SITE.
4. PROVIDE FIRE ALARM SYSTEM MONITORING MODULES FOR ALL TAMPER SWITCHES AT BACK FLOW PREVENTORS AS REQUIRED.
5. PROVIDE FIRE ALARM SYSTEM MONITORING MODULE FOR TAMPER SWITCH AT FIRE SPRINKLER POST INDICATOR VALVE. SEE CIVIL PLAN FOR EXACT LOCATION AND QUANTITY.
6. PROVIDE EMPTY 4" CONDUIT UNDER ROADWAY FOR FUTURE USE. CONDUIT SHALL BE 2'-0" BELOW GRADE CAPPED ON BOTH ENDS. ABOVE EACH END, PROVIDE A 4" SQUARE BY 24" DEEP CONDUIT MARKER. CONDUIT MARKER SHALL BE PAINTED INDUSTRIAL YELLOW WHERE EXPOSED ABOVE GRADE.

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 UTILITIES.

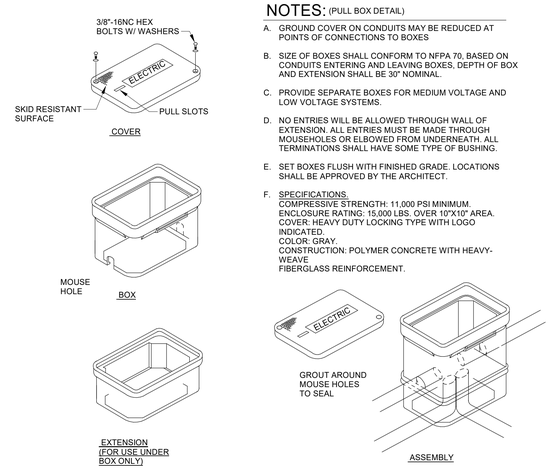
C. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC. PROVIDE GRS ELBOWS PAINTED WITH BITUMINOUS PAINT TO TRANSITION TO ABOVE GRADE OR SLAB.

D. CONTRACTORS SHALL STAKE-OFF ALL EXISTING UTILITIES PRIOR TO ROUGH-IN. ALL NEW INSTALLATION SHALL BE COORDINATED WITH EXISTING UTILITY LOCATIONS.

E. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL UTILITIES FOR THIS PROJECT.

F. MINIMUM SIZE OF ALL CONDUITS ON THIS SHEET SHALL BE 3/4 IN.

G. PROVIDE PULL BOXES AS REQUIRED BY NEC FOR UNDERGROUND FEEDERS SHOWN, SEE PULL BOX DETAIL.



NOTES: (PULL BOX DETAIL)

A. GROUND COVER ON CONDUITS MAY BE REDUCED AT POINTS OF CONNECTIONS TO BOXES

B. SIZE OF BOXES SHALL CONFORM TO NFPA 70, BASED ON CONDUITS ENTERING AND LEAVING BOXES, DEPTH OF BOX AND EXTENSION SHALL BE 30" NOMINAL.

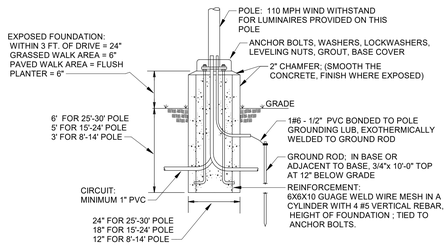
C. PROVIDE SEPARATE BOXES FOR MEDIUM VOLTAGE AND LOW VOLTAGE SYSTEMS.

D. NO ENTRIES WILL BE ALLOWED THROUGH WALL OF EXTENSION. ALL ENTRIES MUST BE MADE THROUGH MOUSEHOLES OR ELBOWED FROM UNDERNEATH. ALL TERMINATIONS SHALL HAVE SOME TYPE OF BUSHING.

E. SET BOXES FLUSH WITH FINISHED GRADE. LOCATIONS SHALL BE APPROVED BY THE ARCHITECT.

F. SPECIFICATIONS.
COMPRESSIVE STRENGTH: 11,000 PSI MINIMUM.
ENCLOSURE RATING: 15,000 LBS. OVER 10"X10" AREA.
COVER: HEAVY DUTY LOCKING TYPE WITH LOGO INDICATED.
COLOR: GRAY.
CONSTRUCTION: POLYMER CONCRETE WITH HEAVY-WEAVE
FIBERGLASS REINFORCEMENT.

2 PULL BOX DETAIL
NOT TO SCALE



3 POLE BASE DETAIL
NOT TO SCALE

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF000182
EXP. 6/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

GMP SUBMITTAL - NOT FOR CONSTRUCTION

HUSSEY GAY BELL
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DATE: 02/26/2024

JOB NO. 222300701

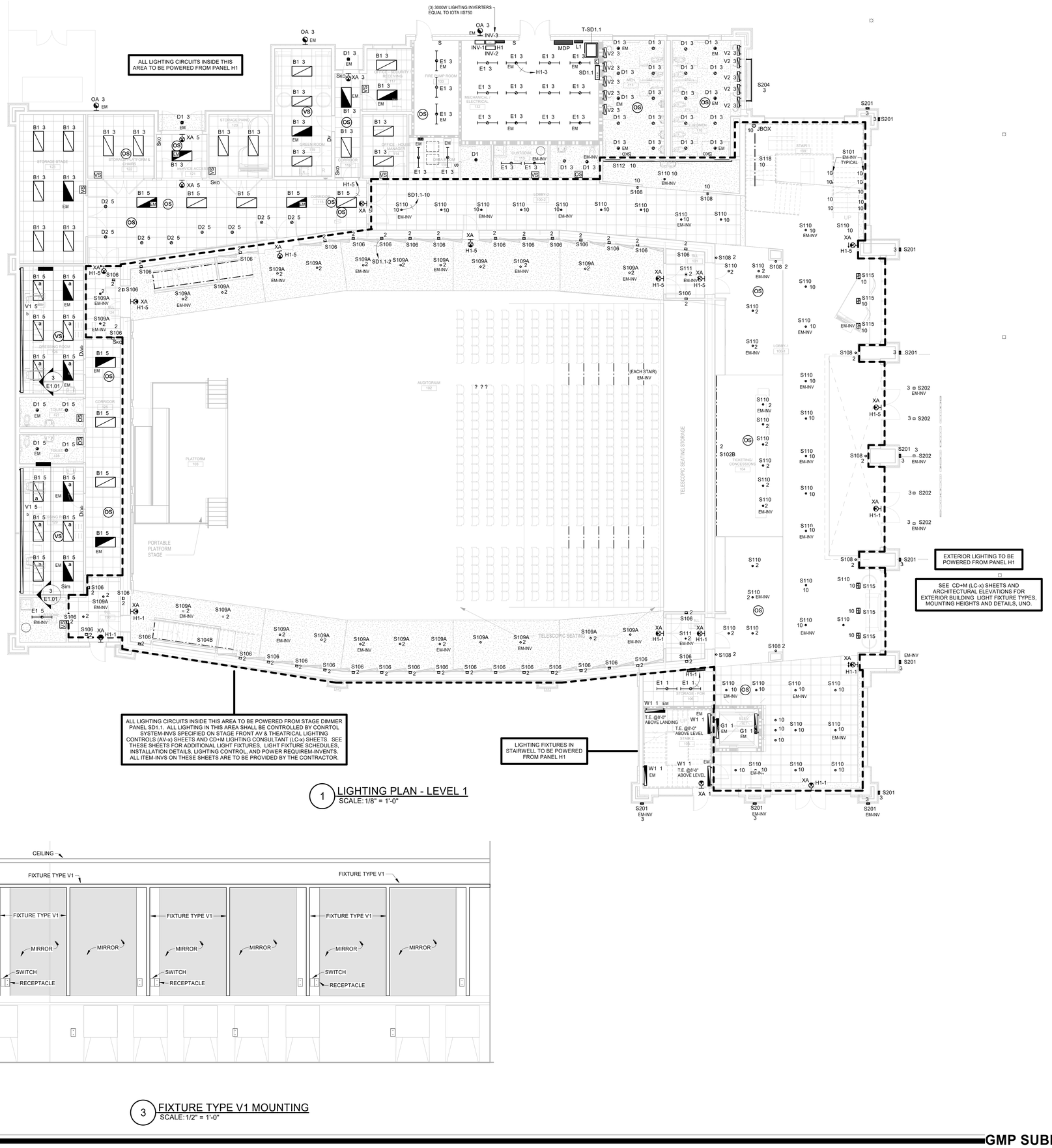
SCALE AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

ELECTRICAL SITE PLAN

DRAWING NUMBER

E0.03



1 LIGHTING PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"

3 FIXTURE TYPE V1 MOUNTING
SCALE: 1/2" = 1'-0"

LIGHTING GENERAL NOTES

A. COORDINATE EXACT LOCATIONS AND MOUNTINGS (FLANGE/LAY-IN) WITH ARCHITECTURAL CEILING PLAN AND SCHEDULES PRIOR TO ORDERING AND INSTALLING ANY FIXTURE.

B. EXIT LIGHT CIRCUITS ARE TO REMAIN UNSWITCHED.

C. PROVIDE UNSWITCHED PHASE CONDUCTOR TO EACH EGRESS FIXTURE EQUIPPED WITH BATTERY FOR CHARGING AND POWER LOSS SENSING. WHERE "EM" IS INDICATED, THE FIXTURE SHALL BE PROVIDED WITH AN INTEGRAL BATTERY UNIT, 1400 LUMEN, 90 MINUTES. WHERE "EM-INV" IS INDICATED, THE FIXTURE SHALL BE CIRCUITED TO THE EMERENCY BATTERY INVERTER LOCATED IN THE MAIN ELECTRICAL ROOM.

D. ALL SPACES ARE TO BE CONTROLLED BY OCCUPANCY OR VACANCY SENSOR UNLESS SPECIFICALLY NOTED OTHERWISE. SEE DETAILS AND NOTES FOR ADDITIONAL REQUIREMENTS.

E. LOCATE EDGE OF WALL MOUNTED LIGHTING CONTROLS 12" AWAY FROM ANY CORNER OR OPENING,UNO. COORDINATE ACTUAL LOCATIONS WITH ARCHITECT SEE DETAIL.

F. DISTANCE LIMITATIONS FOR ALL 277 VOLT, 20A BRANCH CIRCUITS:

1. CIRCUIT LENGTHS EXCEEDING 140 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
2. CIRCUIT LENGTHS EXCEEDING 225 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
3. CIRCUIT LENGTHS EXCEEDING 365 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.

G. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.

H. DISTANCE LIMITATIONS FOR ALL 120 VOLT, 20A BRANCH CIRCUITS:

1. CIRCUIT LENGTHS EXCEEDING 70 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
2. CIRCUIT LENGTHS EXCEEDING 115 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
3. CIRCUIT LENGTHS EXCEEDING 180 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
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BRUNSWICK, GA 31520

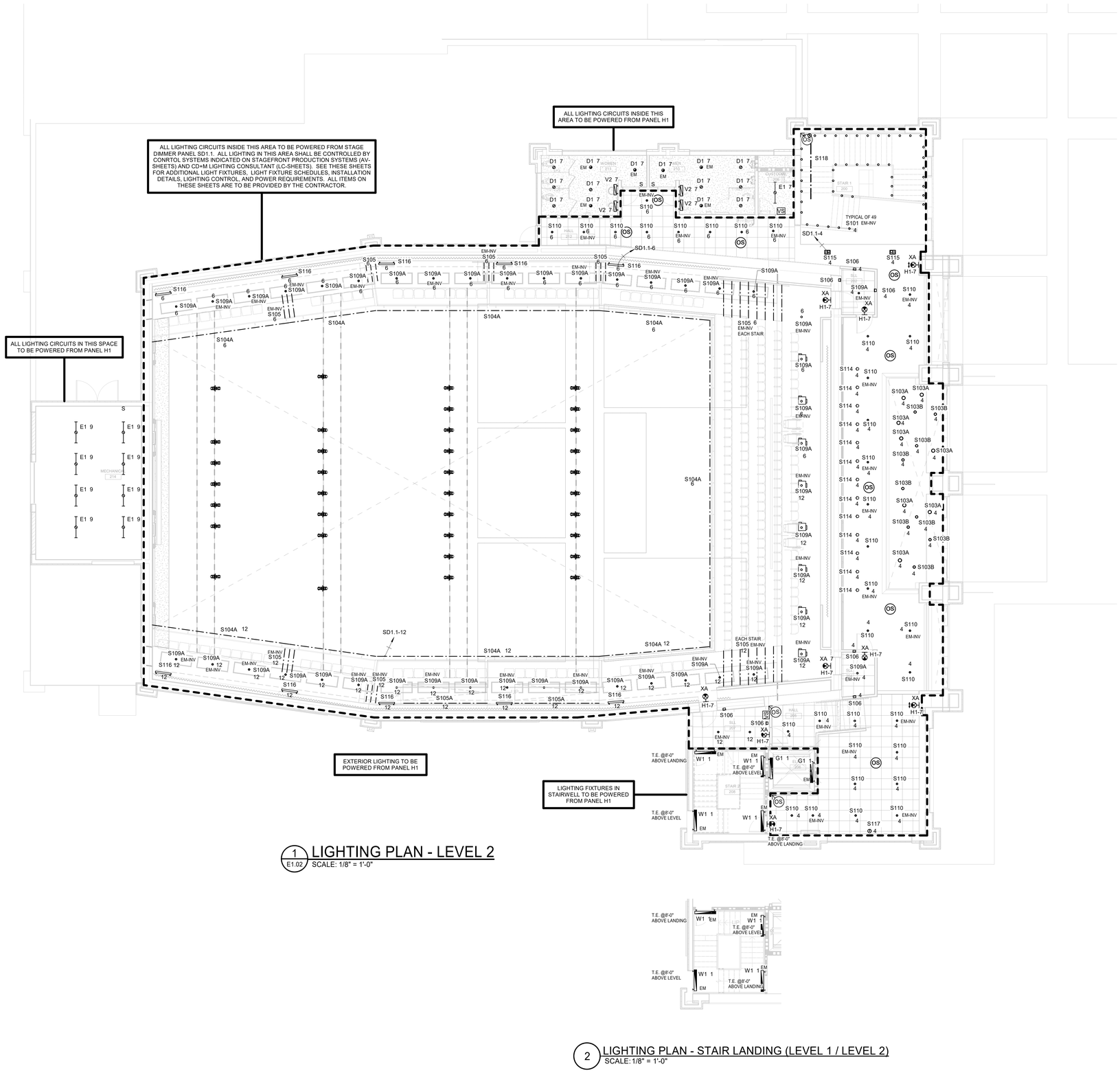
LIGHTING PLAN - LEVEL 1

DRAWING NUMBER

E1.01

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF000182
EXP. 6/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS



1 LIGHTING PLAN - LEVEL 2
E1.02 SCALE: 1/8" = 1'-0"

2 LIGHTING PLAN - STAIR LANDING (LEVEL 1 / LEVEL 2)
SCALE: 1/8" = 1'-0"

LIGHTING GENERAL NOTES

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C. PROVIDE UNSWITCHED PHASE CONDUCTOR TO EACH EGRESS FIXTURE EQUIPPED WITH BATTERY FOR CHARGING AND POWER LOSS SENSING. WHERE "EM" IS INDICATED, THE FIXTURE SHALL BE PROVIDED WITH AN INTEGRAL BATTERY UNIT, 1400 LUMEN, 90 MINUTES. WHERE "EM-INV" IS INDICATED, THE FIXTURE SHALL BE CIRCUITED TO THE EMERENCY BATTERY INVERTER LOCATED IN THE MAIN ELECTRICAL ROOM.

D. ALL SPACES ARE TO BE CONTROLLED BY OCCUPANCY OR VACANCY SENSOR UNLESS SPECIFICALLY NOTED OTHERWISE. SEE DETAILS AND NOTES FOR ADDITIONAL REQUIREMENTS.

E. LOCATE EDGE OF WALL MOUNTED LIGHTING CONTROLS 12" AWAY FROM ANY CORNER OR OPENING,UNO. COORDINATE ACTUAL LOCATIONS WITH ARCHITECT SEE DETAIL.

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G. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.

H. DISTANCE LIMITATIONS FOR ALL 120 VOLT, 20A BRANCH CIRCUITS:

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SCALE AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

LIGHTING PLAN - LEVEL 2

DRAWING NUMBER

E1.02

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PE/020182
EXP. 6/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

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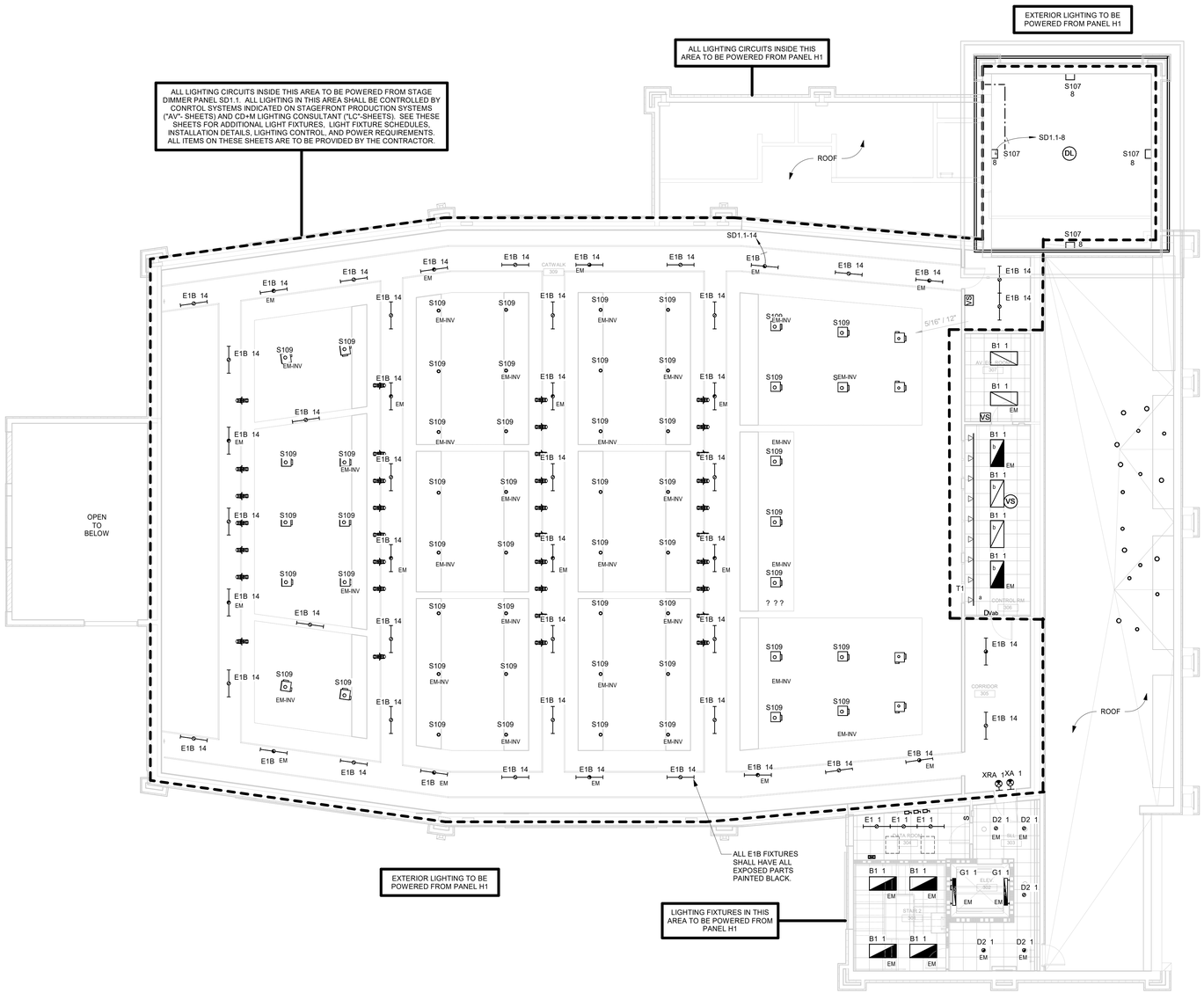

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CENTER FOR THE ARTS
BRUNSWICK, GA 31520

LIGHTING PLAN - CATWALK

DRAWING NUMBER

E1.03

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF001182
EXP. 6/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

GMP SUBMITTAL - NOT FOR CONSTRUCTION

No color scheme assigned to view

POWER GENERAL NOTES

A. ALL RECEPTACLES SHALL BE TAMPER RESISTANT (CHILD PROOF) TYPE.

B. CRITICAL COORDINATION NOTE: PROVIDE ELECTRICAL CONNECTIONS AND CONDUIT FOR ALL ACCESS CONTROL DOORS AND CARD READERS. SEE ARCHITECTURAL SHEETS AND SPECIFICATIONS FOR ALL LOCATIONS. POWER SHALL BE PROVIDED FROM NEAREST 120VOLT RECEPTACLE CIRCUIT.

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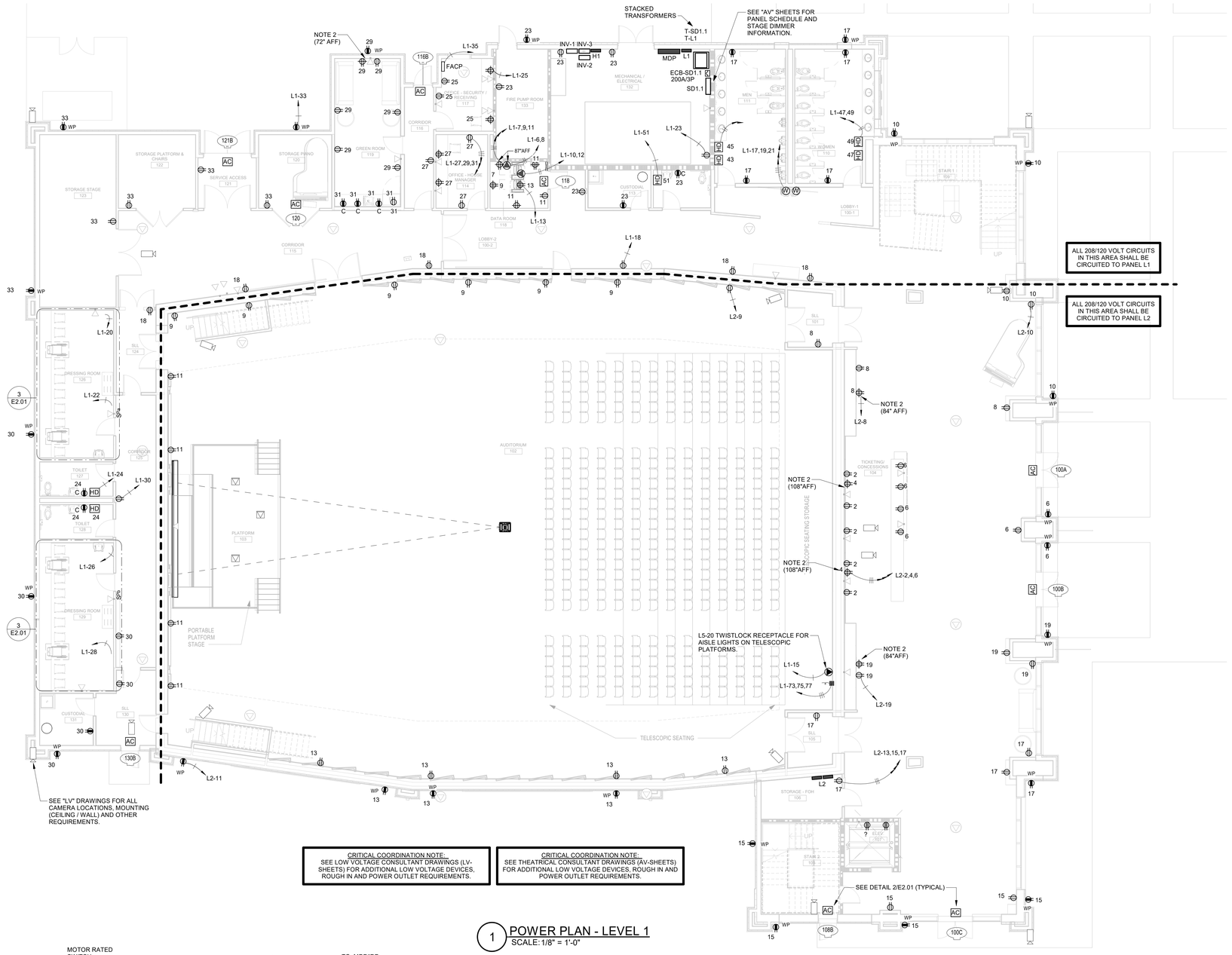
4. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.

NOTES:

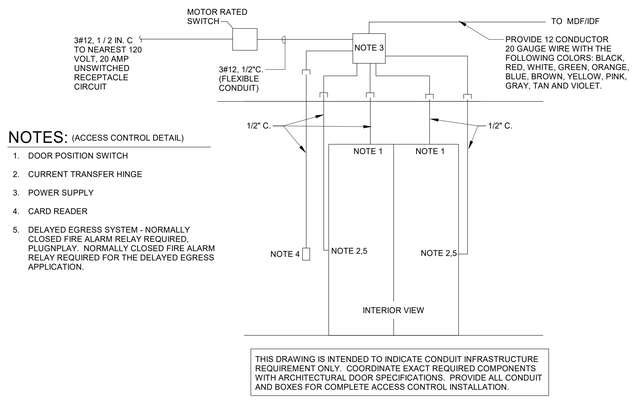
1. ALL DRESSING STATION OUTLETS ARE TO BE CONTROLLED BY A PILOT-LIGHTED SWITCH. CIRCUITS SHALL BE ROUTED VIA VIA ELECTRICALLY HELD CONTACTOR IN MAIN ELECTRICAL. THE CONTACTOR SHALL BE CONTROLLED BY THE PILOT-LIGHTED SWITCH AS NOTED WITH SUBSCRIPT. REFERENCE NEC 520.73 FOR DETAILS.
2. RECEPTACLE FOR VIDEO MONITOR. SEE AV AND DATA PLANS FOR ADDITINAL CONDUIT ROUGH IN.



CRITICAL COORDINATION NOTE:
SEE LOW VOLTAGE CONSULTANT DRAWINGS (LV-SHEETS) FOR ADDITIONAL LOW VOLTAGE DEVICES, ROUGH IN AND POWER OUTLET REQUIREMENTS.

CRITICAL COORDINATION NOTE:
SEE THEATRICAL CONSULTANT DRAWINGS (AV-SHEETS) FOR ADDITIONAL LOW VOLTAGE DEVICES, ROUGH IN AND POWER OUTLET REQUIREMENTS.

1 POWER PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"



NOTES: (ACCESS CONTROL DETAIL)

1. DOOR POSITION SWITCH
2. CURRENT TRANSFER HINGE
3. POWER SUPPLY
4. CARD READER
5. DELAYED EGRESS SYSTEM - NORMALLY CLOSED FIRE ALARM RELAY REQUIRED. PLUGNPLAY. NORMALLY CLOSED FIRE ALARM RELAY REQUIRED FOR THE DELAYED EGRESS APPLICATION.

THIS DRAWING IS INTENDED TO INDICATE CONDUIT INFRASTRUCTURE REQUIREMENT ONLY. COORDINATE EXACT REQUIRED COMPONENTS WITH ARCHITECTURAL DOOR SPECIFICATIONS. PROVIDE ALL CONDUIT AND BOXES FOR COMPLETE ACCESS CONTROL INSTALLATION.

2 ACCESS CONTROL DOOR DETAIL
NOT TO SCALE

3 ENLARGED DRESSING ROOM
SCALE: 1/4" = 1'-0"

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF000182
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CENTER FOR THE ARTS
BRUNSWICK, GA 31520

POWER PLAN - LEVEL 1

DRAWING NUMBER

E2.01

POWER GENERAL NOTES

A. ALL RECEPTACLES SHALL BE TAMPER RESISTANT (CHILD PROOF) TYPE.

B. CRITICAL COORDINATION NOTE: PROVIDE ELECTRICAL CONNECTIONS AND CONDUIT FOR ALL ACCESS CONTROL DOORS AND CARD READERS. SEE ARCHITECTURAL SHEETS AND SPECIFICATIONS FOR ALL LOCATIONS. POWER SHALL BE PROVIDED FROM NEAREST 120VOLT RECEPTACLE CIRCUIT.

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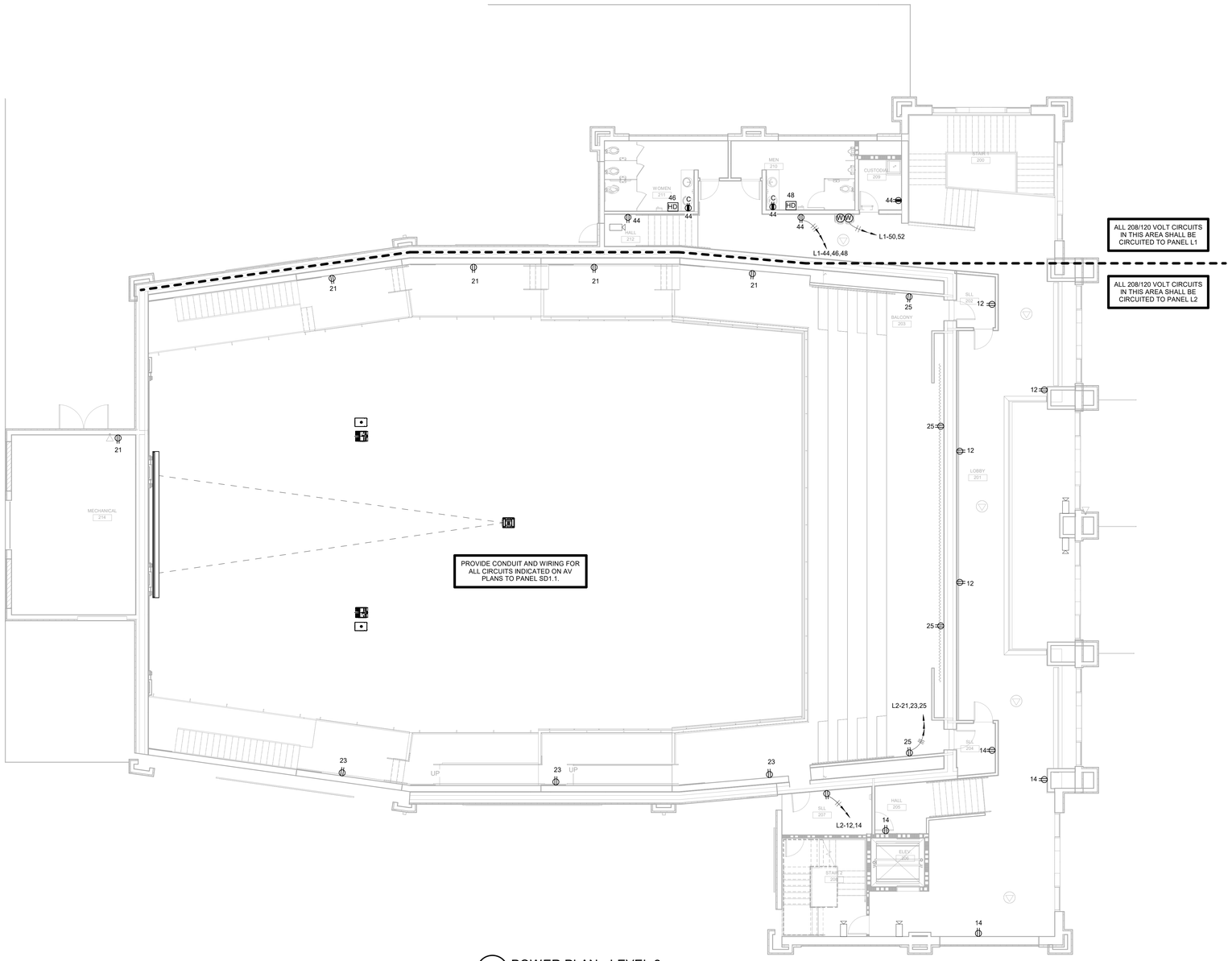

1 POWER PLAN - LEVEL 2
SCALE: 1/8" = 1'-0"

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POWER PLAN - LEVEL 2

DRAWING NUMBER

E2.02

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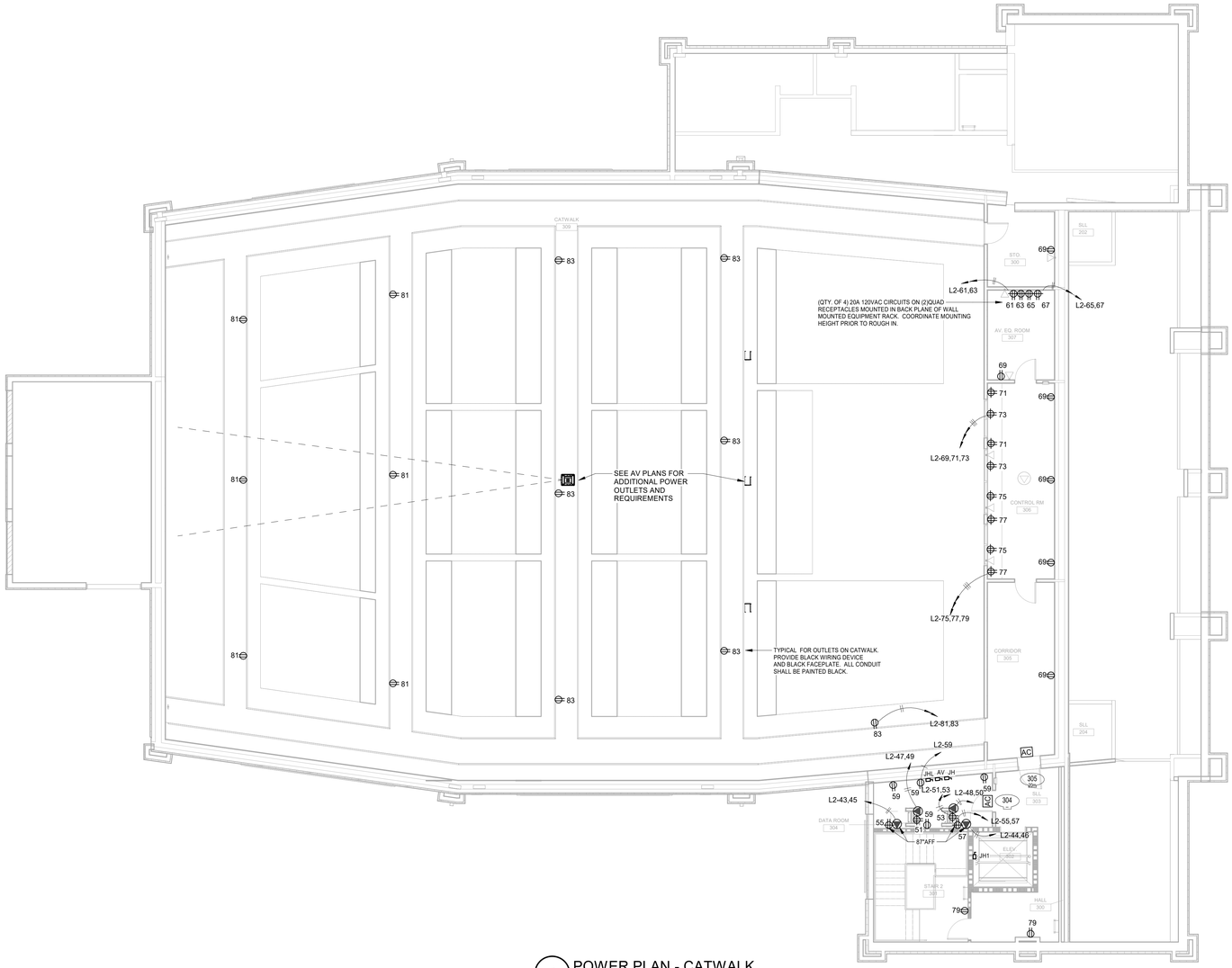

1 POWER PLAN - CATWALK
SCALE: 1/8" = 1'-0"

GEORGIA
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POWER PLAN - CATWALK

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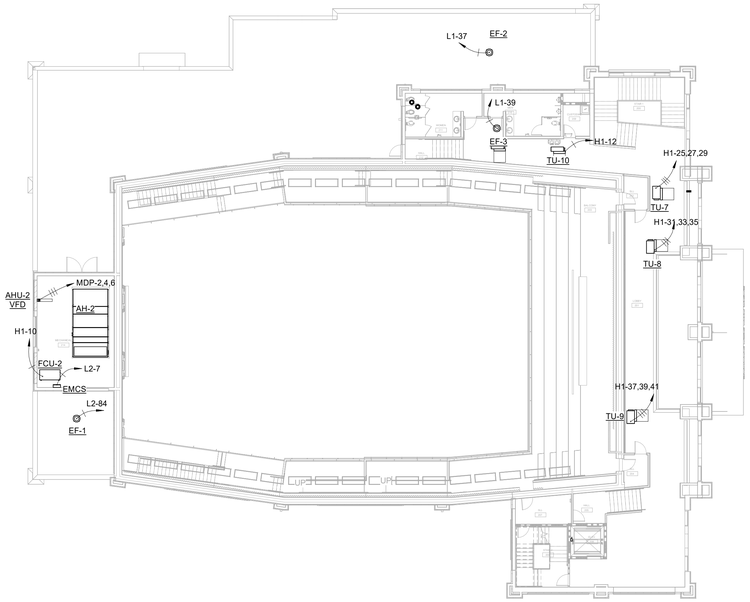
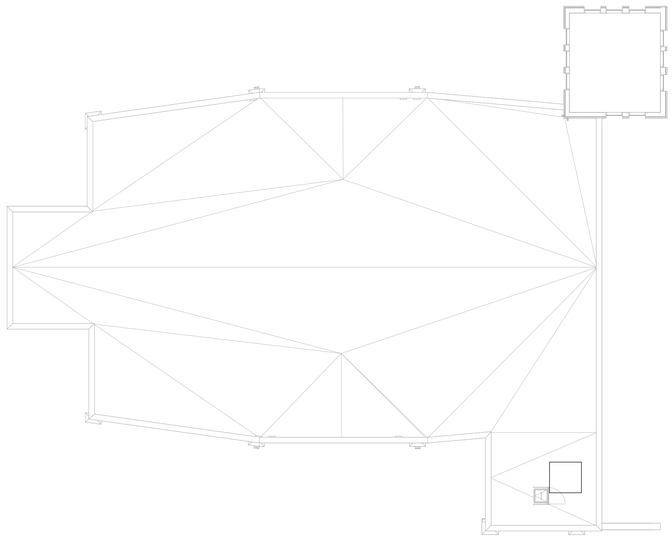
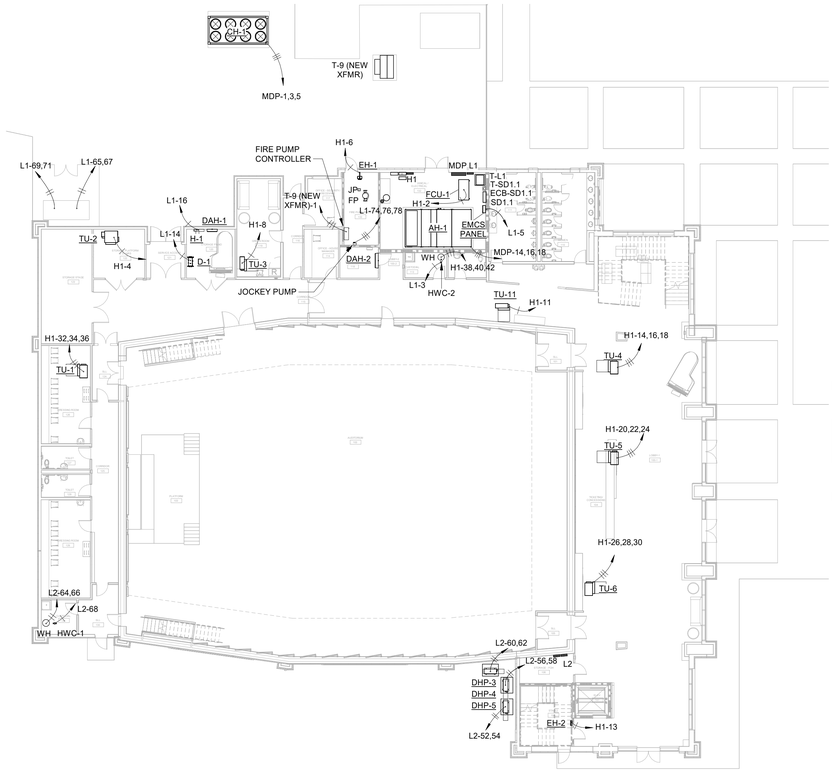


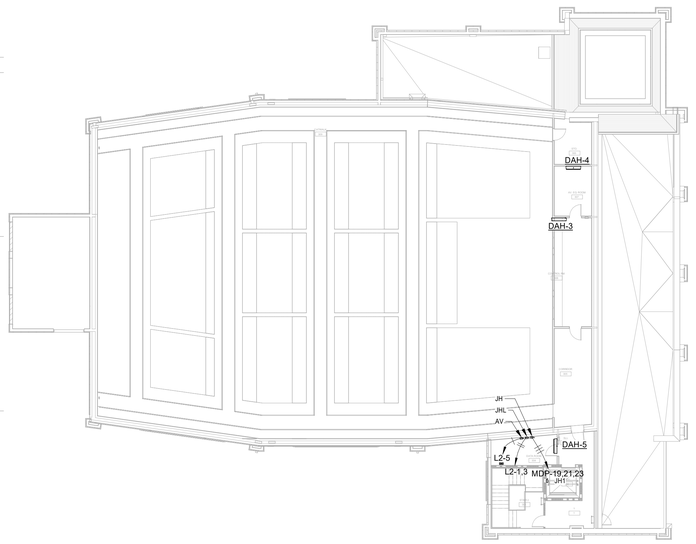
2 ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT - CATWALK - LEVEL 2
SCALE: 1/16" = 1'-0"



4 ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT - ROOF PLAN
SCALE: 1/16" = 1'-0"



1 ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT - LEVEL 1
SCALE: 1/16" = 1'-0"



3 ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT - CATWALK
SCALE: 1/16" = 1'-0"

MECHANICAL EQUIPMENT RATINGS AND CONNECTIONS

ITEM+number	QTY	VOLT	PH	PANEL CKT	MCA	MOCP	DISCONNECT	WIRE SIZE	NOTES
ELEVATOR-AV	1	120 V	1	L2-5	16	20	30A/2P	3#10, 1/2"C	
ELEVATOR-JH/JH1	1	480 V	3	MDP-19,21,23	40	50	60A/3P	3#6, #10G, 1"C	
ELEVATOR-JHL	1	208 V	1	L2-1,3	16	20	30A/2P	3#10, 1/2"C	
AIR HANDLING UNIT									
AHU-1	1	480 V	3	MDP-14,16,18	85	125	200A/3P	3#1, #6G, 2"C	
AHU-2	1	480 V	3	MDP-2,4,6	265	300	400A/3P	3#350, #3G, 3 1/2"C	
CHILLER									
CH-1	1	480 V	3	MDP-1,3,5	297	300	400A/3P/3R/F	3#350, #3G, 3 1/2"C	FUSE SCCR 10 Ka
CONTROL PANEL									
EMCS	1	120 V	1	L2-7	5	20	BY DIV. 23	3#12, 1/2"C	
EMCS	1	120 V	1	L1-5	5	20	BY DIV. 23	3#12, 1/2"C	
DUCTLESS AIR HANDLER									
DAH-1	1	208 V	1		.3	30	Sm	3#10, #10G, 1"C	NOTE 4
DAH-2	1	120 V	1		.3	30	Sm	3#10, #10G, 1"C	NOTE 4
DAH-3	1	208 V	1		.3	30	Sm	3#10, #10G, 1"C	NOTE 4
DAH-4	1	208 V	1		.3	30	Sm	3#10, #10G, 1"C	NOTE 4
DAH-5	1	208 V	1		.3	30	Sm	3#10, #10G, 1"C	NOTE 4
DUCTLESS HEAT PUMP									
DHP-1	1	208 V	1	L1-69,71	15	15	30A/2P/3R	3#12, #12G, 1"C	
DHP-2	1	208 V	1	L1-65,67	23	30	30A/2P/3R	3#10, #10G, 1"C	
DHP-3	1	208 V	1	L2-60,62	23	30	30A/2P/3R	3#10, #10G, 1"C	
DHP-4	1	208 V	1	L2-56,58	23	30	30A/2P/3R	3#10, #10G, 1"C	
DHP-5	1	208 V	1	L2-52,54	23	30	30A/2P/3R	3#10, #10G, 1"C	
ELECTRIC FAN									
EF-1	1	120 V	1	L2-84	1.38	15	30A/2P/3R/F	3#12, 1/2"C	FUSE SCCR 5 Ka
EF-2	1	120 V	1	L1-37	3	15	30A/2P/3R/F	3#12, 1/2"C	FUSE SCCR 5 Ka
EF-3	1	120 V	1	L1-39	1.38	15	30A/2P/3R/F	3#12, 1/2"C	FUSE SCCR 5 Ka
ELECTRIC HEATER									
EH-1	1	277 V	1	H1-6	25	25	BY DIV. 23	3#10, 1/2"C	
EH-2	1	277 V	1	H1-13	10.8	20	BY DIV. 23	3#10, 1/2"C	
FAN COIL UNIT									
FCU-1	1	277 V	1	H1-2	24	30	30A/1P	3#10, 1/2"C	
FCU-2	1	277 V	1	H1-10	24	30	30A/1P	3#10, 1/2"C	
FIRE PUMP									
FP-1	1	480 V	3	T-9 (NEW XFMR)-1	40		FP CONTROLLER	3#6, #10G, 1"C	FED FROM T-9 XFMR
HUMIDITY CONTROL									
D-1	1	120 V	1	L1-14	5.8	20	PLUG DISCONNECT	3#12, 1/2"C	
H-1	1	120 V	1	L1-16	20	20	PLUG DISCONNECT	3#12, 1/2"C	
JOCKEY PUMP									
JP-1	1	208 V	1	L1-74,76,78	16	20	CONTROLLER	2#12,#12G,1/2"C	
TERMINAL UNIT									
TU-1	1	480 V	3	H1-32,34,36	16.84	25	30A/3P	4#10, 1/2"C	
TU-2	1	277 V	1	H1-4	7.82	30	30A/1P	3#12, 1/2"C	
TU-3	1	277 V	1	H1-8	12.6	20	30A/1P	3#12, 1/2"C	
TU-4	1	480 V	3	H1-14,16,18	15.64	20	30A/3P	4#12, 1/2"C	
TU-5	1	480 V	3	H1-20,22,24	15.64	20	30A/3P	4#12, 1/2"C	
TU-6	1	480 V	3	H1-26,28,30	15.64	20	30A/3P	4#12, 1/2"C	
TU-7	1	480 V	3	H1-25,27,29	15.64	20	30A/3P	4#12, 1/2"C	
TU-8	1	480 V	3	H1-31,33,35	15.64	20	30A/3P	4#12, 1/2"C	
TU-9	1	480 V	3	H1-37,39,41	15.64	20	30A/3P	4#12, 1/2"C	
TU-10	1	277 V	1	H1-12	16.25	30	30A/2P	3#10, 1/2"C	
TU-11	1	277 V	1	H1-11	16.25	30	30A/2P	3#10, 1/2"C	
WATER HEATER									
HWC-1	1	120 V	1	L2-68	20		Sm	3#12, 1/2"C	
HWC-2	1	120 V	1	L1-3	20		Sm	3#12, 1/2"C	

MECH. EQUIPMENT RATINGS AND CONNECTIONS NOTES:

1. REFER TO SECTION 260120 FOR THE COORDINATION AFFIDAVIT THAT MUST BE SUBMITTED AND APPROVED BEFORE MATERIALS MAY BE ORDERED.
2. THE DESIGN IS BASED ON SINGLE POINT CONNECTIONS TO ALL EQUIPMENT, UNLESS NOTED OTHERWISE.
3. WHERE STARTER IS REQUIRED BY DIV 26, IT IS SHOWN AS SIZE 1, ETC. ALL STARTERS SHALL BE COMBINATION TYPE UNLESS INDICATED OTHERWISE. DISCONNECTS ARE SHOWN AS 30/3/1, ETC.
4. 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.
5. PROVIDE LOCKABLE 20A, 2P TOGGLE SWITCH FOR EACH VRF INDOOR UNIT FOR UNIT DISCONNECT WITHOUT TURNING OFF POWER FOR THE ENTIRE CIRCUIT.

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF000182
EXP. 6/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

GMP SUBMITTAL -NOT FOR CONSTRUCTION

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
GJC	GJC	WOW

DATE: 02/26/2024

JOB NO. 222300701

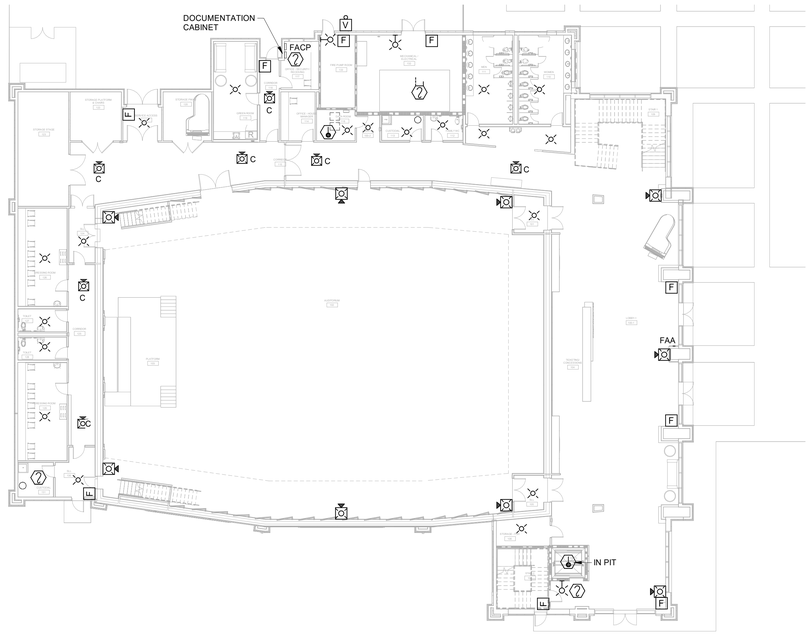
SCALE AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

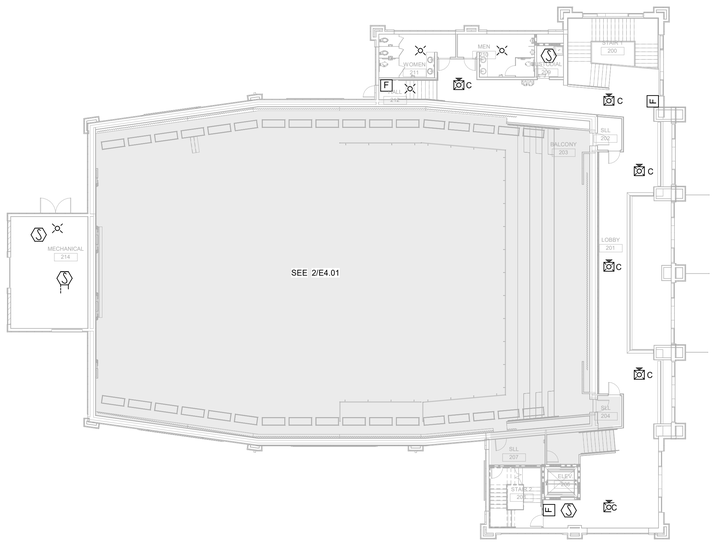
ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT

DRAWING NUMBER

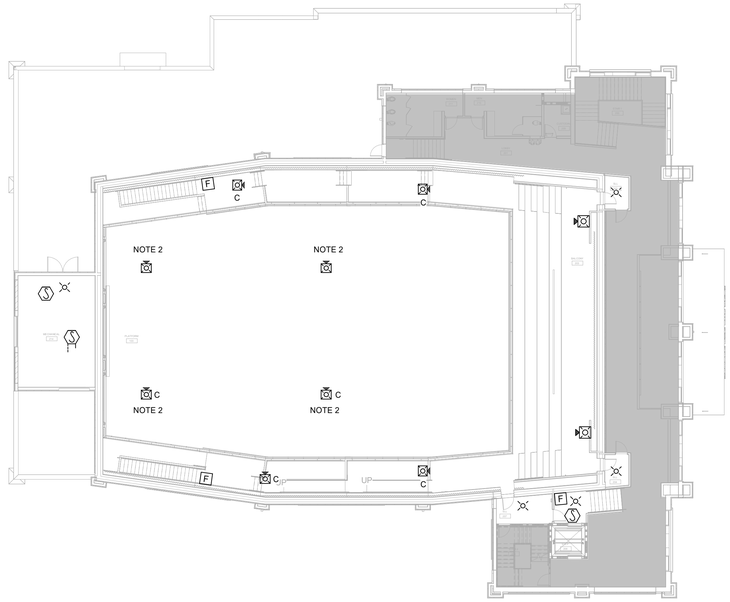
E3.01



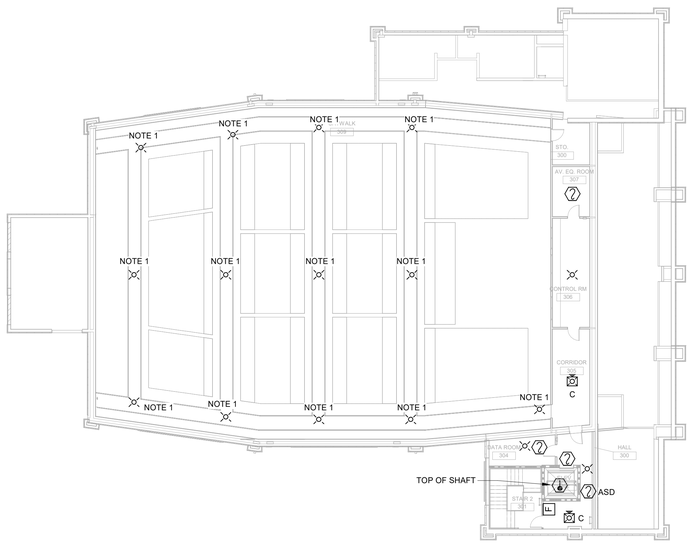
1 FIRE ALARM PLAN - LEVEL 1
SCALE: 1/16" = 1'-0"



3 FIRE ALARM PLAN - LEVEL 2
SCALE: 1/16" = 1'-0"



2 FIRE ALARM PLAN - BALCONY
SCALE: 1/16" = 1'-0"



4 FIRE ALARM PLAN - CATWALK
SCALE: 1/16" = 1'-0"

FIRE ALARM GENERAL NOTES:

A. CONSULT ARCHITECTURAL DRAWINGS TO DETERMINE EXACT LOCATION FOR MOUNTING MAGNETIC DOOR HOLDERS.

B. PROVIDE DUCT SMOKE DETECTOR FOR ALL HVAC AIR HANDLING EQUIPMENT RATED OVER 2000CFM. THE DUCT DETECTOR SHALL BE INTERFACED WITH FIRE ALARM SYSTEM TO SHUT DOWN DURING AN ALARM CONDITION. MOUNT DETECTORS ACCORDING TO MECHANICAL SPECIFICATIONS. WHERE MOUNTED ABOVE CEILING PROVIDE REMOTE LED INDICATOR LIGHTS MOUNTED IN CEILING TILE BELOW UNIT.

C. ALL FIRE ALARM CABLING SHALL BE IN RED CONDUIT.

D. PROVIDE TO THE STATE FIRE MARSHAL'S OFFICE THE FOLLOWING:
1. PLAN VIEW DRAWN TO SCALE.
2. LOW VOLTAGE CONTRACTOR'S NAME, LICENSE NUMBER AND SIGNATURE.
3. EQUIPMENT SUBMITTALS.
4. BATTERY CALCULATIONS.
5. WIRING CLASS.
6. INITIATING/NOTIFICATION DEVICE INFORMATION.
7. A COMPLETE FORM 354A AND TWO SETS OF DRAWINGS.

E. PROVIDE FIRE ALARM CONNECTION TO EACH SMOKE DAMPER AND COMBINATION FIRE/SMOKE DAMPER. SEE MECHANICAL PLANS FOR LOCATIONS AND QUANTITIES OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS. PROVIDE A DUCT SMOKE DETECTOR AT EACH UNIT. MOUNT DETECTOR UPSTREAM OF AIR FLOW FROM SMOKE DAMPERS. INTERLOCK SMOKE DAMPERS WITH FIRE ALARM PANEL PROVIDE POWER FOR SMOKE DAMPERS FROM NEAREST CORRIDOR RECEPTACLE CIRCUIT PROVIDE MOTOR RATED SWITCH MOUNTED ADJACENT UNIT.

F. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE AND CONNECTION FOR EGRESS LIGHTING POWER PACKS FOR OVERRIDE OF OCCUPANCY SENSOR(S) IN THE EVENT OF AN ALARM. SEE LIGHTING PLAN "ES" SYMBOLS FOR LOCATIONS.

G. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE AND CONNECT TO ACCESS CONTROL ELECTRIFIED DOOR HARDWARE FOR EGRESS OVERRIDE IN THE EVENT OF AN ALARM. SEE ARCHITECTURAL PLANS FOR ALL LOCATIONS REQUIRED.

H. CONNECT FIRE ALARM CONNECTIONS TO ELEVATOR CONTROLLERS.

I. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE AND CONNECT FOR ALL DELAYED EGRESS DOORS. SEE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ALL DELAYED EGRESS DOOR LOCATIONS.

BDA / ERRC SYSTEM:

A. THE CONTRACTOR SHALL PROVIDE A COMPLETE BI-DIRECTIONAL ANTENNA (BDA) SYSTEM FOR EMERGENCY RESPONDER RADIO COVERAGE (ERRC) FOR THE ENTIRE BUILDING. THE BDA/ERRC SYSTEM SHALL BE DESIGNED AND INSTALLED BY AN FCC CERTIFIED TECHNICIAN TRAINED ON THE SYSTEM BEING INSTALLED. THE SYSTEM SHALL COMPLY WITH UL 2524, NFPA 72, NFPA 1221 AND IFC. THE SYSTEM SHALL BE OF THE SAME MANUFACTURER AS THE FIRE ALARM SYSTEM. BDA SYSTEM DESIGN SHALL BE SUBMITTED WITH THE FIRE ALARM SYSTEM SHOP DRAWINGS FOR ENGINEER'S REVIEW. PROVIDE ROOF PENETRATION AS REQUIRED FOR ROOF MOUNTED ANTENNA - **ROOF PENETRATION SHALL BE PERFORMED BY ROOFING CONTRACTOR** - COORDINATE WITH ARCHITECT FOR LOCATION. CRITICAL AREAS SHALL BE PROVIDED WITH 100% FLOOR AREA RADIO COVERAGE. GENERAL BUILDING AREAS SHALL BE PROVIDED WITH 95% RADIO COVERAGE, OR AS SPECIFIED BY AHJ.

B. RADIO SIGNAL COVERAGE IN THE BUILDING SHALL BE TESTED NEAR THE END OF BUILDING CONSTRUCTION AFTER ALL WALLS, CEILINGS, ROOF AND MAJOR COMPONENTS HAVE BEEN INSTALLED. THE PRICE OF THE SYSTEM SHALL BE OFFERED BACK TO THE OWNER ONLY IF RADIO SIGNALS (WITHOUT THE BDA/ERCC SYSTEM) MEET THE COVERAGE REQUIREMENTS LISTED ABOVE.

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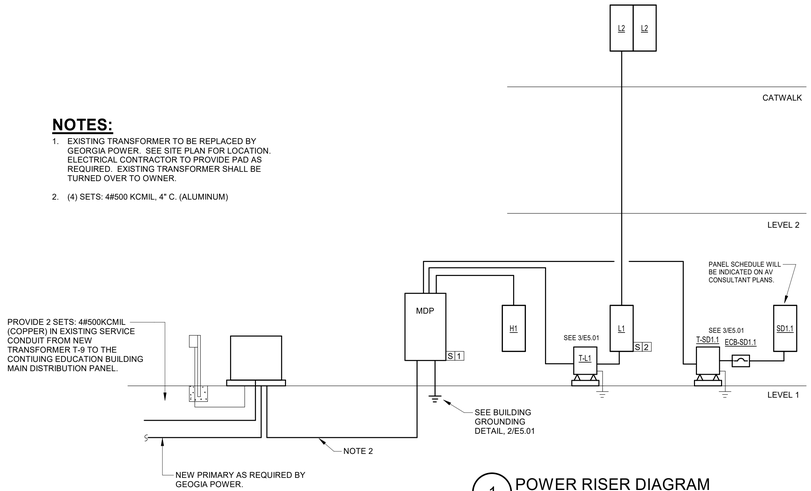
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

FIRE ALARM PLANS

DRAWING NUMBER

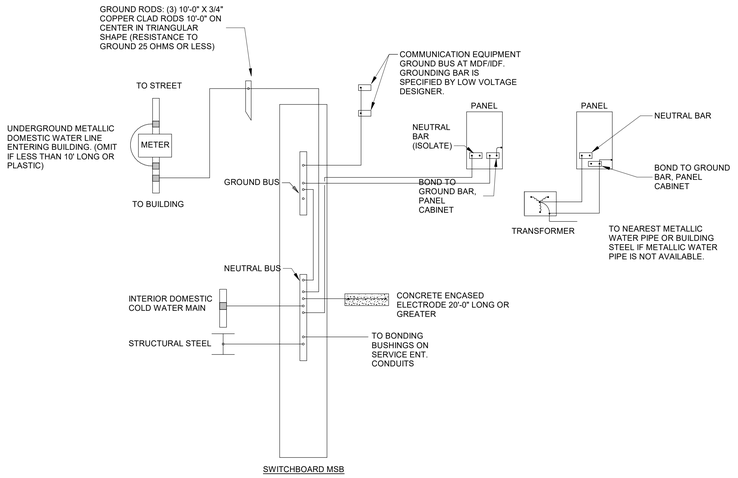
E4.01



NOTES:

1. EXISTING TRANSFORMER TO BE REPLACED BY GEORGIA POWER. SEE SITE PLAN FOR LOCATION. ELECTRICAL CONTRACTOR TO PROVIDE PAD AS REQUIRED. EXISTING TRANSFORMER SHALL BE TURNED OVER TO OWNER.
2. (4) SETS: 4#500 KCMIL, 4" C. (ALUMINUM)

1 POWER RISER DIAGRAM
NOT TO SCALE



NOTES: (SERVICE GROUND DETAIL)

A. PROVIDE TAGS AT EACH END OF EACH GROUND ROD, INTERIOR WATER PIPE AND BUILDING STEEL CONNECTION. LABEL END AT CONNECTION AS "SYSTEM GROUND - DO NOT REMOVE." LABEL END SWITCHBOARD MSB TO IDENTIFY OPPOSITE END.

EXAMPLE:
"GROUND RODS", "BUILDING STEEL", ETC.

B. ALL ELECTRODE CONNECTIONS SHALL BE ACCESSIBLE. ALL ELECTRODE CONDUCTORS AND JUMPERS SHALL BE NO. 4/0 AWG.

C. CONNECTIONS TO ROD, REINFORCING STEEL BARS, AND STRUCTURAL STEEL SHALL BE EXOTHERMIC WELD TYPE.

D. CONNECTION TO PIPE ELECTRODES SHALL BE PRESSURE OR CLAMP TYPE.

E. CONNECTION AT COMMUNICATION BUS SHALL BE MECHANICAL LUG TYPE.

2 SERVICE GROUND DETAIL
NOT TO SCALE

480 VOLT PANELS

PANEL NAME	MAINS	MAINS TYPE	LOCATON	FED FROM	AIC RATING
H1	225 A	MLO	MECHANICAL / ELECTRICAL 132	MDP	22,500
MDP	1200 A	MCB	MECHANICAL / ELECTRICAL 132	T-9 (NEW XFMR)	24,500

TRANSFORMER SCHEDULE

TRANSFORMER	SIZE	LOCATON	TOTAL CONNECTED	SUPPLY FROM
T-9 (NEW XFMR)	1000 kVA		847106 VA	
T-L1	112.5 kVA	MECHANICAL / ELECTRICAL 132	128227 VA	MDP
T-SD1.1	75 kVA	MECHANICAL / ELECTRICAL 132	49183 VA	MDP

208 VOLT PANELS

PANEL NAME	MAINS	MAINS TYPE	LOCATON	FED FROM	AIC RATING
ECB-SD1.1	125 A	ECB	MECHANICAL / ELECTRICAL 132	T-SD1.1	10,000
L1	400 A	MCB	MECHANICAL / ELECTRICAL 132	T-L1	10,000
L2	225 A	MLO	STORAGE - FOH 106	L1	10,000
SD1.1	200 A	LUG	MECHANICAL / ELECTRICAL 132	ECB-SD1.1	

DRY TYPE TRANSFORMER FEEDER SIZING - ALUMINUM

PRIMARY BREAKER	480 VOLT PRIMARY FEEDER (AL)	KVA	208 VOLT SECONDARY FEEDER (AL)	SECONDARY BREAKER	XFMR GROUND
30	4#10, 1/2"C (COPPER)	15	4#4, #6G, 1-1/4"C	50	1#6, 3/4"C
50	3#4, #6G,1"C	30	4#1/0, #6G, 2"C	100	1#6, 3/4"C
70	3#2, #6G, 1-1/4"C	45	4#3/0, #4G, 2"C	150	1#4, 3/4"C
125	3#2/0, #4G, 2"C	75	4#300 KCMIL, #1/0G, 3"C	225	1#1/0, 3/4"C
175	3#4/0, #4G, 2"C	112.5	2 SETS: 4#250 KCMIL, #1/0G, 3"C	400	1#1/0, 3/4"C
225	3#300 KCMIL, #2G, 2-1/2"C	150	2 SETS: 4#500 KCMIL, #4/0G, 3"C	600	1#4/0, 3/4"C
350	2 SETS: 3#4/0, #1G, 2-1/2"C	225	3 SETS: 4#400 KCMIL, #250 KCMIL G, 3"C	800	1#250 KCMIL, 1"C
450	2 SETS: 3#300 KCMIL, 1/0G, 2-1/2"C	300	4 SETS: 4#500 KCMIL, #250 KCMIL G, 3-1/2"C	1200	1#250 KCMIL, 1"C

PANEL FEEDER SCHEDULE - ALUMINUM

PANEL AMPS	PANEL FEEDER (AL)
100	4#1/0, #6G, 2"C
150	4#3/0, #4G, 2"C
225	4#300 MCM, #2G, 3"C
400	2 SETS: 4#250 KCMIL, #1G, 3"C
600	2 SETS: 4#500 KCMIL, #2/0G, 3-1/2"C
800	3 SETS: 4#400 KCMIL, #3/0G, 3"C

RISER DIAGRAM LEGEND & EQUIPMENT NOTES:

S 1 TVSS IN MAIN SERVICE PANEL: PROVIDE 5-#2 CONDUCTORS IN 1- 1 /2" C FROM 100A/3P BREAKER IN SUPPLYING PANEL.

S 2 TVSS IN DISTRIBUTION PANELS: PROVIDE 5-#6 CONDUCTORS IN 1" C FROM 60A/3P BREAKER IN SUPPLYING PANEL.

TVSS NOTES:
PROVIDE BREAKERS IN PANELS FOR TVSS UNITS WHETHER OR NOT INDICATED ON PANEL SCHEDULE.
THERE SHALL BE NO SPLICES IN PANEL, COORDINATE MOUNTING OF TVSS BREAKER PRIOR TO ROUGH IN.

PANEL: MDP

VOLTAGE: 480/277 WYE
PHASE: 3
WIRES: 4
A.I.C. RATING: 24,500
MAINS RATING: 1200 A
MAINS TYPE: MCB
FED BY: T-9 (NEW XFMR)
LOCATION: MECHANICAL / ELECTRICAL 132
MOUNTING: SURFACE
RATING: NEMA 1
TOTAL LOAD: 813851 VA

CKT	TRIP	P	CIRCUIT DESCRIPTION	A		B		C		CIRCUIT DESCRIPTION	P	TRIP	CKT
1				66511	60137								2
3	300 A	3	CH-1			66511	60137			AHU-2	3	300 A	4
5								66511	60137				6
7				49945	41945								8
9	225 A	3	H1			52476	41815			T-L1	3	175 A	10
11								50154	44467				12
13				17226	23556								14
15	125 A	3	T-SD1.1			15594	23556			AHU-1	3	125 A	16
17								16363	23556				18
19				11085	0								20
21	50 A	3	ELEVATOR - JHJH1			11085	0			SPARE	3	225 A	22
23								11085	0				24
25				0	0								26
27	175 A	3	SPARE			0	0			SPARE	3	125 A	28
29								0	0				30
31	--	1	SPACE	--	--					SPACE	1	--	32
33	--	1	SPACE			--	--			SPACE	1	--	34
35	--	1	SPACE					--	--	SPACE	1	--	36
37				0	0								38
39	100 A	3	SPARE			0	0			SPD	3	100 A	40
41								0	0				42
				270405 VA		271174 VA		272272 VA					
				976 A		979 A		983 A					

NOTES:
SERVICE ENTRANCE RATED. PROVIDE METER.

PANEL: H1

VOLTAGE: 480/277 WYE
PHASE: 3
WIRES: 4
A.I.C. RATING: 22,500
MAINS RATING: 225 A
MAINS TYPE: MLO
FED BY: MDP
LOCATION: MECHANICAL / ELECTRICAL 132
MOUNTING: SURFACE
RATING: NEMA 1
TOTAL LOAD: 152575 VA

CKT	TRIP	P	CIRCUIT DESCRIPTION	A		B		C		CIRCUIT DESCRIPTION	P	TRIP	CKT
1	20 A	1	LIGHTING	1530	6648					FCU-1	1	30 A	2
3	20 A	1	LIGHTING			3342	6500			TU-2	1	30 A	4
5	20 A	1	LIGHTING					1778	4709	EH-1	1	25 A	6
7	20 A	1	LIGHTING ROOM 210, 211, 209	609	3500					TU-3	1	20 A	8
9	20 A	1	LIGHTING MECHANICAL 214			320	6648			FCU-2	1	30 A	10
11	30 A	1	TU-11					4500	4500	TU-10	1	30 A	12
13	20 A	1	EH-2	2992	4333								14
15	20 A	1	LIGHTING			1000	4333			TU-4	3	20 A	16
17	20 A	1	SPARE					0	4333				18
19	20 A	1	SPARE	0	4333								20
21	20 A	1	SPARE			0	4333			TU-5	3	20 A	22
23	20 A	1	SPARE					0	4333				24
25				4333	4333								26
27	20 A	3	TU-7			4333	4333			TU-6	3	20 A	28
29								4333	4333				30
31				4333	4667								32
33	20 A	3	TU-8			4333	4667			TU-1	3	25 A	34
35								4333	4667				36
37				4333	4000								38
39	20 A	3	TU-9			4333	4000			WATER HEATER	3	20 A	40
41								4333	4000				42
				49945 VA		52476 VA		50154 VA					
				180 A		190 A		181 A					

NOTES:

PANEL: L1

VOLTAGE: 120/208 WYE
PHASE: 3
WIRES: 4
A.I.C. RATING: 10,000
MAINS RATING: 400 A
MAINS TYPE: MCB
FED BY: T-L1
LOCATION: MECHANICAL / ELECTRICAL 132
MOUNTING: SURFACE
RATING: NEMA 1
TOTAL LOAD: 128227 VA

CKT	TRIP	P	CIRCUIT DESCRIPTION	A		B		C		CIRCUIT DESCRIPTION	P	TRIP	CKT
1	20 A	1	SPARE	0	0					SPARE	2	20 A	2
3	20 A	1	HWC-2			1500	0						4
5	20 A	1	EMCS PANEL					500	1500	RECEPTACLES DATA ROOM 118	2	20 A	6
7	20 A	1	RECEPTACLES DATA ROOM 118	360	1500								8
9	20 A	1	RECEPTACLES DATA ROOM 118			360	1500						10
11	20 A	1	RECEPTACLES DATA ROOM 118					900	1500	RECEPTACLES DATA ROOM 118	2	20 A	12
13	20 A	1	RECEPTACLES DATA ROOM 118	360	696					D-1	1	20 A	14
15	20 A	1	BLEACHER LIGHTS			180	1920			H-1	1	20 A	16
17	20 A	1	RECEPTACLES WOMEN 111					900	1080	RECEPTACLES CORRIDOR 115	1	20 A	18
19	20 A	1	EQUIPMENT LOBBY-1 100-1	1500	1260					RECEPTACLES DRESSING ROOM 126	1	20 A	20
21	20 A	1	EQUIPMENT LOBBY-1 100-1			1500	1260			RECEPTACLES DRESSING ROOM 126	1	20 A	22
23	20 A	1	RECEPTACLES MECHANICAL /...					1440	3360	RECEPTACLES TOILET 127	1	20 A	24
25	20 A	1	RECEPTACLES OFFICE - SECURITY ...	1080	1080					RECEPTACLES DRESSING ROOM 129	1	20 A	26
27	20 A	1	RECEPTACLES OFFICE - HOUSE...			1260	1080			RECEPTACLES DRESSING ROOM 129	1	20 A	28
29	20 A	1	RECEPTACLES GREEN ROOM 119					1260	1260	RECEPTACLES CORRIDOR 125	1	20 A	30
31	20 A	1	RECEPTACLES GREEN ROOM 119	720	0					SPARE	1	20 A	32
33	20 A	1	RECEPTACLES STORAGE PIANO 120			1260	0			SPARE	1	20 A	34
35	20 A	1	FACP - LOCKABLE BKR - RED					1500	0	SPARE	1	20 A	36
37	20 A	1	EF-2	0	0								38
39	20 A	1	EF-3			0	0			SPD	3	60 A	40
41	20 A	1	SPARE					0	0				42
43	20 A	1	H.D. GFCI BKR MEN 111	1500	900					RECEPTACLES HALL 212	1	20 A	44
45	20 A	1	H.D. GFCI BKR MEN 111			1500	1500			H.D. GFCI BKR WOMEN 211	1	20 A	46
47	20 A	1	H.D. GFCI BKR WOMEN 110					1500	1500	H.D. GFCI BKR MEN 210	1	20 A	48
49	20 A	1	H.D. GFCI BKR WOMEN 110	1500	1500					EWC - GFCI BKR LOBBY 201	1	20 A	50
51	20 A	1	H.D. GFCI BKR			1500	1500			EWC - GFCI BKR LOBBY 201	1	20 A	52
53	20 A	1	SPARE					0	0	SPARE	1	20 A	54
55	20 A	1	SPARE	0	0					SPARE	1	20 A	56
57	20 A	1	SPARE			0	0			SPARE	1	20 A	58
59	--	1	SPACE					--	0	SPARE	1	20 A	60
61	--	1	SPACE	--	0					SPARE	1	20 A	62
63	--	1	SPACE			--	--			SPACE	1	--	64
65	30 A	2	DHP-2					2392	--	SPACE	1	--	66
67				2392	--					SPACE	1	--	68
69	15 A	2	DHP-1			1248	--			SPACE	1	--	70
71								1248	--	SPACE	1	--	72
73				1441	832								74
75	20 A	3	BLEACHER MOTOR			1441	832			JOCKY PUMP	3	20 A	76
77								1441	832				78
79				23324	0								80
81	225 A	3	L2			20474	0			SPD	3	60 A	82
83								20354	0				84
				41945 VA		41815 VA		44467 VA					
				350 A		348 A		371 A					

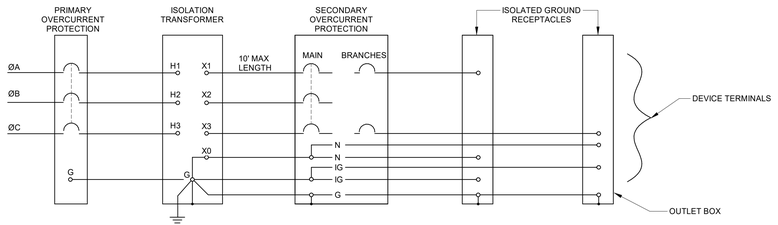
NOTES: SINGLE SECTION PANEL
PROVIDE ISOLATED GROUND BAR

PANEL: L2

VOLTAGE: 120/208 WYE
PHASE: 3
WIRES: 4
A.I.C. RATING: 10,000
MAINS RATING: 225 A
MAINS TYPE: MLO
FED BY: L1
LOCATION: STORAGE - FOH 106
MOUNTING: SURFACE
RATING: Indoor
TOTAL LOAD: 64152 VA

CKT	TRIP	P	CIRCUIT DESCRIPTION	A		B		C		CIRCUIT DESCRIPTION	P	TRIP	CKT
1	20 A	2	ELEVATOR - JHL	1560	900					RECEPTACLES TICKETING/...	1	20 A	2
3						1560	360			RECEPTACLES	1	20 A	4
5	20 A	1	ELEVATOR - AV					1800	1260	RECEPTACLES TICKETING/...	1	20 A	6
7	20 A	1	EMCS PANEL	0	720					RECEPTACLES SLL 101	1	20 A	8
9	20 A	1	RECEPTACLES			1260	900			RECEPTACLES	1	20 A	10
11	20 A	1	RECEPTACLES STAGE 103					900	720	RECEPTACLES BALCONY 203	1	20 A	12
13	20 A	1	RECEPTACLES STAGE 103	1260	900					RECEPTACLES SLL 207	1	20 A	14
15	20 A	1	RECEPTACLES LOBBY-1 100-1			1080	0			SPARE	1	20 A	16
17	20 A	1	RECEPTACLES SLL 105					900	0	SPARE	1	20 A	18
19	20 A	1	RECEPTACLES LOBBY-1 100-1	900	0					SPARE	1	20 A	20
21	20 A	1	RECEPTACLES ROOM 203, 102			900	0			SPARE	1	20 A	22
23	20 A	1	RECEPTACLES AUDITORIUM 102					540	0	SPARE	1	20 A	24
25	20 A	1	RECEPTACLES BALCONY 203	720	0					SPARE	1	20 A	26
27	20 A	1	SPARE			0	0			SPARE	1	20 A	28
29	20 A	1	SPARE					0	0	SPARE	1	20 A	30
31	20 A	1	SPARE	0	0					SPARE	1	20 A	32
33	20 A	1	SPARE			0	0			SPARE	1	20 A	34
35	20 A	1	SPARE					0	0	SPARE	1	20 A	36
37	20 A	1	SPARE	0	0					SPARE	1	20 A	38
39	20 A	1	SPARE			0	0			SPARE	1	20 A	40
41	20 A	1	SPARE					0	0	SPARE	1	20 A	42
43	20 A	2	RECEPTACLES STO. 300	1500	1500					RECEPTACLES STO. 300	2	20 A	44
45						1500	1500						46
47	20 A	2	RECEPTACLES STO. 300					1500	1500	RECEPTACLES STO. 300	2	20 A	48
49				1500	1500								50
51	20 A	1	RECEPTACLES STO. 300			1500	2392			DHP-5	2	30 A	52
53	20 A	1	RECEPTACLES STO. 300					1500	2392				54
55	20 A	1	RECEPTACLES STO. 300	360	2392					DHP-4	2	30 A	56
57	20 A	1	RECEPTACLES STO. 300			360	2392						58
59	20 A	1	RECEPTACLES STO. 300					720	2392	DHP-3	2	30 A	60
61	20 A	1	RECEPTACLES AV. EQ. ROOM 307	1500	2392								62
63	20 A	1	RECEPTACLES AV. EQ. ROOM 307			1500	750			WH-2	2	20 A	64
65	20 A	1	RECEPTACLES AV. EQ. ROOM 307					1500	750				66
67	20 A	1	RECEPTACLES AV. EQ. ROOM 307	1500	1500					HWC-1	1	20 A	68
69	20 A	1	RECEPTACLES ROOM 306, 307, 308			1080	0			SPARE	1	20 A	70
71	20 A	1	RECEPTACLES CONTROL RM 306					360	--	SPACE	1	--	72
73	20 A	1	RECEPTACLES CONTROL RM 306	360	--					SPACE	1	--	74
75	20 A	1	RECEPTACLES CONTROL RM 306			360	--			SPACE	1	--	76
77	20 A	1	RECEPTACLES CONTROL RM 306					360	--	SPACE	1	--	78
79	20 A	1	RECEPTACLES ROOM 303, 301	360	--					SPACE	1	--	80
81	20 A	1	RECEPTACLES CATWALK 309			1080	--			SPACE	1	--	82
83	20 A	1	RECEPTACLES CATWALK 309					1260	0	EF-1	1	20 A	84
				23324 VA		20474 VA		20354 VA					
				195 A		171 A		170 A					

NOTES: 2 SECTION PANEL, CIRCUITS EVENLY DIVIDED
PROVIDE ISOLATED GROUND BAR



THREE PHASE TRANSFORMER - 208V, 3Ø TO 208/120V, 3Ø, 4W
WITH ISOLATED GROUND BRANCH WIRING TO ISOLATED GROUND RECEPTACLES

3 ISOLATION TRANSFORMER DETAIL
NOT TO SCALE

GEORGIA
DULOHERY, WEEKS & GAGLIANO, INC.
No. PEF000182
EXP. 6/30/24
CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

GMP SUBMITTAL -NOT FOR CONSTRUCTION

HUSSEY GAY BELL
Established 1958
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REVISIONS

DESIGNED	DRAWN	CHECKED
GJC	GJC	WOW

DATE: 02/26/2024

JOB NO. 222300701

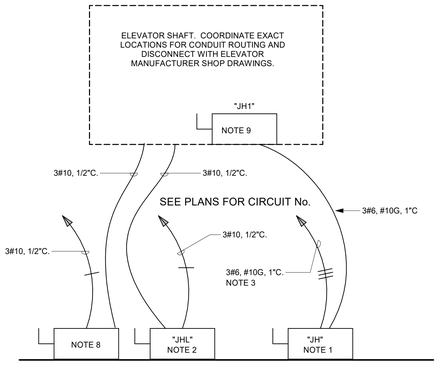
SCALE AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

POWER RISER DIAGRAM

DRAWING NUMBER

E5.01

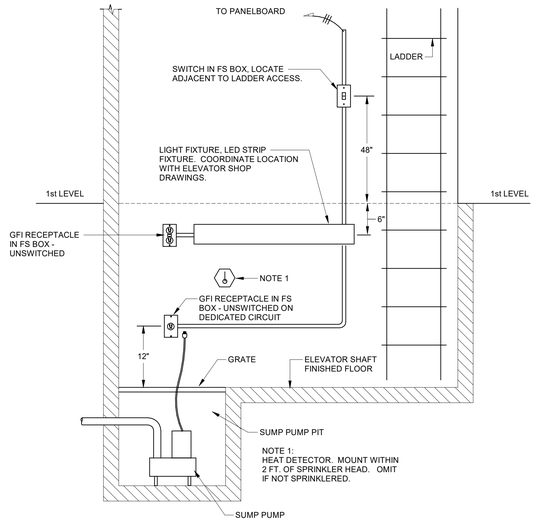


ELEVATOR ON NORMAL POWER

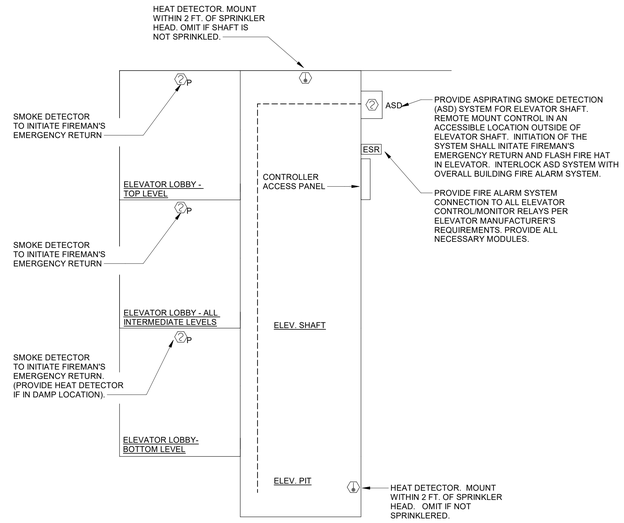
NOTES:

1. PROVIDE 100A/3P FUSED DISCONNECT. PROVIDE AUXILIARY CONTACTS TO OPEN CIRCUIT TO EMERGENCY RETURN UNIT WHEN MAIN DISCONNECT IS OPEN. FUSE DISCONNECT PER ELEVATOR MANUFACTURER'S REQUIREMENTS. LOCATE FUSED DISCONNECT IN ROOM INDICATED IN REVISED PLAN.
2. PROVIDE 30A/2P FUSED DISCONNECT FOR ELEVATOR CAB LIGHTS. FUSE DISCONNECT PER ELEVATOR MANUFACTURER'S REQUIREMENTS. LOCATE FUSED DISCONNECT IN ROOM INDICATED IN REVISED PLAN.
3. PROVIDE, AS A MINIMUM, THE ELEVATOR POWER CIRCUIT SHOWN. COORDINATE EXACT FEEDER SIZE WITH THE ELEVATOR MANUFACTURER FOR THE EQUIPMENT ACTUALLY PROVIDED.
4. (GENERAL) ARRANGE EQUIPMENT IN SPACE AS RECOMMENDED BY ELEVATOR SUPPLIER AND ACCORDING TO N.E.C.
5. (GENERAL) PROVIDE ITEMS NOT SHOWN BUT REQUIRED BY THE ELEVATOR MANUFACTURER.
6. (GENERAL) HEAT DETECTOR AT TOP OF ELEVATOR SHAFT AND ELEVATOR PIT SHALL SHUNT BREAKER WHEN ACTIVATED. SEE ELEVATOR ELEVATION - FIRE ALARM DETAIL FOR LOCATION OF HEAT DETECTORS.
7. (GENERAL) ALL CONDUITS SHALL BE INSTALLED OUTSIDE OF ELEVATOR SHAFT.
8. 30A/2P DISCONNECT FOR 2-WAY AUDIO/VISUAL COMMUNICATIONS CIRCUIT.
9. PROVIDE 30A/3P NON-FUSED DISCONNECT WITH AUXILIARY CONTACTS. (LOCKABLE IN THE OPEN POSITION) AT TOP OF ELEVATOR SHAFT WITHIN SIGHT OF MOTOR CONTROLLER WHERE INDICATED IN ELEVATOR SHOP DRAWINGS. PROVIDE A LABEL ON THIS DISCONNECT STATING THE LOCATION OF DISCONNECT "JH" AND BRANCH CIRCUIT OVERCURRENT PROTECTION DEVICE IN ACCORDANCE WITH N.E.C.

1 MRL ELEVATOR DISCONNECT SWITCHES - NORMAL POWER
NOT TO SCALE



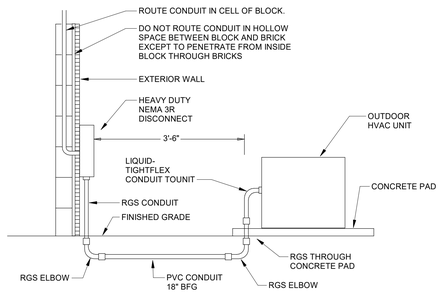
2 ELEVATOR ELEVATION - ELECTRICAL
NOT TO SCALE



GENERAL NOTES: (MRL ELEVATOR - FIRE ALARM DETAIL)

A. COORDINATE INSTALLATION OF DETECTORS WITH ELEVATOR EQUIPMENT.
B. INTERLOCK HEAT DETECTORS WITH SHUNT TRIP BREAKER SERVING ELEVATOR TO INITIATE ELEVATOR POWER SHUTOFF UPON ACTIVATION.
C. THE EXACT PLACEMENT OF DETECTORS SHALL BE FIELD DETERMINED IN ACCORDANCE WITH ASME A17.1, NFPA 72, AND THE ELEVATOR MANUFACTURER.
D. THIS DETAIL SHALL BE ADAPTED AS REQUIRED FOR ALL ELEVATORS.

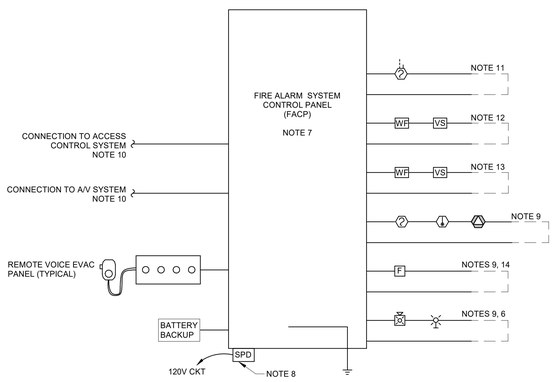
3 MRL ELEVATOR ELEVATION - FIRE ALARM
NOT TO SCALE



4 OUTDOOR UNIT INSTALLATION
NOT TO SCALE

GENERAL FIRE ALARM RISER DIAGRAM NOTES

A. GENERAL - ALL WIRING SHALL BE ROUTED IN 3/4" MINIMUM CONDUIT.
B. GENERAL - AIR HANDLING UNITS WITH DUCT DETECTORS SHALL BE SHUT-DOWN UPON ALARM CONDITION. AIR HANDLING UNITS SHALL AUTOMATICALLY RESET ONCE THE ALARM CONDITION HAS BEEN CLEARED.



5 FIRE ALARM RISER DIAGRAM
NOT TO SCALE

FIRE ALARM RISER DIAGRAM NOTES

1. THE FIRE ALARM SYSTEM SHALL BE A COMPLETELY SUPERVISED SYSTEM EMPLOYING ANALOG ADDRESSABLE INITIATING DEVICES AND MULTIPLEX COMMUNICATION TECHNIQUES. EACH DETECTION, MONITOR AND CONTROL DEVICE SHALL BE INDIVIDUALLY ADDRESSABLE. DEVICES WHICH ARE NOT INHERENTLY ADDRESSABLE (I.E. TAMPER, FLOW SWITCHES, DOOR HOLDERS, ETC.) SHALL BE EQUIPPED WITH ADDRESSABLE MONITOR AND CONTROL MODULES.
2. FIRE ALARM SYSTEM CONTROL PANEL.
3. THE FIRE ALARM SYSTEM AUDITORY NOTIFICATION SHALL CONSIST OF A SUPERVISED AUDIO DISTRIBUTION NETWORK TO INCLUDE AMPLIFIERS, AUDIO BOOSTERS, AMPLIFIER SPLITTERS, MESSAGE KITS, OUTPUT CHANNEL KITS, MICROPHONES, BATTERIES, BATTERY CHARGERS, SPEAKERS, CABLING, AND ANY ANCILLARY COMPONENTS REQUIRED TO MEET THE REQUIRED SYSTEM CONFIGURATION AND OPERATION.
4. THE CONTRACTOR SHALL INSTALL CONDUIT AND WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER'S SHOP DRAWINGS AND REQUIREMENTS AND NFPA STANDARDS. THE WIRING SHALL BE A CLASS B. CONDUIT SHALL BE MARKED WITH A RED STRIPE EVERY 10 FEET. ALL JUNCTION AND PULLBOXES SHALL BE PAINTED RED.
5. THE MAXIMUM NUMBER OF INITIATION AND NOTIFICATION APPLIANCES PER CIRCUIT SHALL BE IN ACCORDANCE WITH THE FIRE ALARM SYSTEM CONTROL PANEL'S LIMITATIONS.
6. THE STROBE CANDELA INTENSITY SHALL BE ADJUSTED AS REQUIRED.
7. ALL NECESSARY EQUIPMENT AND/OR PROGRAMS NEEDED, INCLUDING PROGRAMMING SERVICES, SHALL BE PROVIDED TO PROGRAM AND CONFIGURE ALL PANELS/EQUIPMENT.
8. PROVIDE A CABINET MOUNTED METAL OXIDE VARISTOR (MOV) BASED SURGE PROTECTION DEVICE (SPD) AT EACH POWER INPUT AS SHOWN. THE DEVICE SHALL SUPPLEMENT THE SPD INTEGRAL TO THE EACH PANEL. THE DEVICE SHALL BE UL 1449 LISTED (3RD EDITION) AND SHALL SATISFY THE REQUIREMENTS OF IEEE C62.41.
9. SEE THE FIRE ALARM SYSTEM FLOOR PLANS AND SPECIFICATIONS FOR THE QUANTITY AND LOCATION OF INITIATING AND NOTIFICATION APPLIANCES, REMOTE ANNUNCIATOR AND REMOTE LOCAL OPERATING CONSOLES.
10. THE FIRE ALARM SYSTEM SHALL SILENCE ALL LOCAL AUDIO/VISUAL SOUND SYSTEMS IN THE BUILDING WHEN BROADCASTING ANY FIRE ALARM ALERT MESSAGES. COORDINATE WITH AV SYSTEMS.
11. SEE THE MECHANICAL CONTROL DIAGRAMS AND SPECIFICATIONS FOR NUMBER AND LOCATION OF DUCT MOUNTED SMOKE DETECTORS.
12. SEE THE FIRE PROTECTION PLANS AND SPECIFICATIONS FOR THE EXACT NUMBER AND LOCATIONS OF SPRINKLER FLOW AND TAMPER SWITCHES.
13. POST INDICATOR VALVE (PIV) AND BACKFLOW PREVENTER (BFP) TAMPER SWITCHES SHALL BE WITHIN 100 FEET OF THE BUILDING. COORDINATE WITH INSTALLATION WATER UTILITY FOR EXACT LOCATION.
14. MANUAL PULL STATION TO BE LOCATED TO THE MAIN CONTROL PANEL. CONNECT TO A DEDICATED INITIATING CIRCUIT THAT IS NOT INCLUDED IN ANY PANEL TEST MODE. (REFERENCE NFPA 72, PARAGRAPH 23.8.5.1.2).
15. (GENERAL) PROVIDE SYNCHRONIZED STROBE OPERATION IN AREAS WHERE MORE THAN TWO STROBE APPLIANCES ARE LOCATED IN THE SAME ROOM, CORRIDOR, OR FIELD OF VIEW.

HUSSEY GAY BELL
Established 1958
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REVISIONS:

DESIGNED	DRAWN	CHECKED
GJC	GJC	WOW

DATE: 02/26/2024
JOB NO. 222300701
SCALE AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

ELECTRICAL PLAN - DETAILS

DRAWING NUMBER
E5.02

GEORGIA DULOHERY, WEEKS & GAGLIANO, INC. No. PE700182 EXP. 6/30/24 CERTIFICATE OF AUTHORIZATION

DULOHERY WEEKS ENGINEERS

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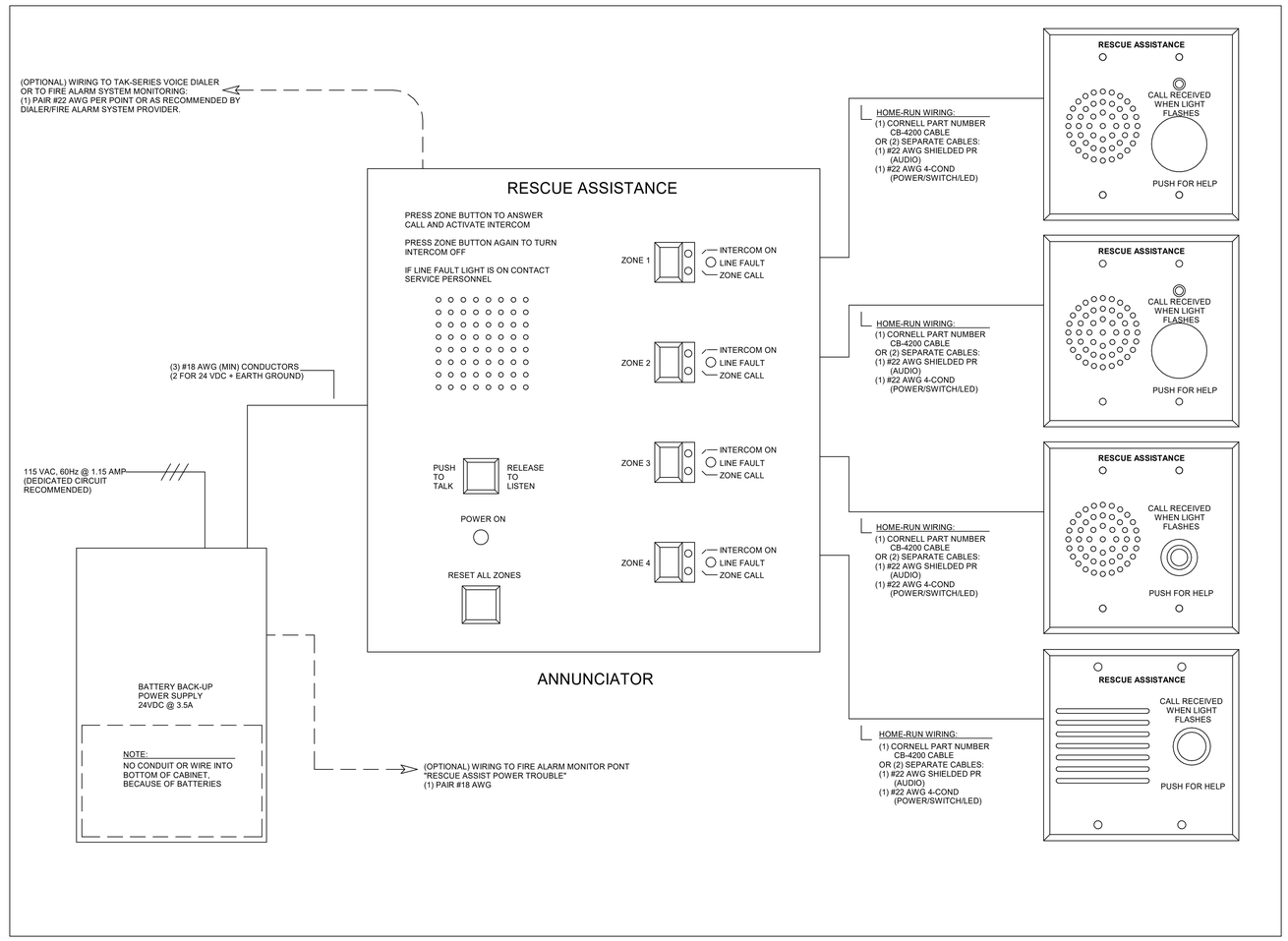
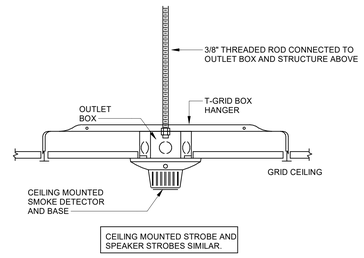


1 AREA OF REFUGE
E5.03 SCALE:NOT TO SCALE



2 SMOKE DETECTOR MOUNTING
NOT TO SCALE

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DULOHERY WEEKS ENGINEERS

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Designer	Author	Checker

DATE: 02/26/2024

JOB NO. 222300701

SCALE AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

ELECTRICAL DETAILS

DRAWING NUMBER

E5.03

TELECOMMUNICTION SYSTEMS

COASTAL COMMUNITY CENTER FOR THE ARTS

COLLEGE OF COASTAL GEORGIA

BRUNSWICK, GEORGIA

SUBMITTED ON: FEBRUARY 26, 2024

DEVICE LEGEND:

▽ DATA OUTLET, MOUNT AT 18" AFF. COORDINATE WITH POWER RECEPTACLE AND ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT. PROVIDE TWO(2) CATEGORY 6/23 AWG/UTP CABLES FROM STATION OUTLET TO CLOSEST TELECOM ROOM AND TERMINATE ON CATEGORY 6 PATCH PANEL. SUPPORT CABLES IN CEILING SPACE WITH J-HOOKS ON 4'-0" TO 5'-0" CENTERS. CABLES TO BE DESIGNATED FOR DATA.
*NOTE: WHEN OUTLET IS PROVIDED WITH "C" SUBSCRIPT, OUTLET IS TO BE INSTALLED ABOVE COUNTER
*NOTE: WHEN OUTLET IS PROVIDED WITH NUMERICAL SUBSCRIPT, OUTLET IS TO BE INSTALLED WITH NOTED QUANTITY OF CABLES.

CEILING MOUNT DATA OUTLET FOR WIRELESS ACCESS POINT. TELECOM CONTRACTOR TO PROVIDE TWO(2) CATEGORY 6A/23 AWG/UTP CABLES FROM CEILING OUTLET TO CLOSEST TELECOM ROOM AND TERMINATE ON CATEGORY 6A PATCH PANEL. MOUNT OUTLET IN DUAL PORT SURFACE MOUNT BOX ATTACHED TO STRUCTURAL CEILING. CABLES TO BE DESIGNATED FOR DATA. PROVIDE 20' SERVICE LOOP IN CEILING SUPPORTED BY J-HOOKS. IN NON-ACCESSIBLE/OPEN CEILING SPACE TERMINATE IN BACKBOX.

P CEILING MOUNT DATA OUTLET FOR PROJECTOR. TELECOM CONTRACTOR TO PROVIDE ONE(1) CATEGORY 6/23 AWG/UTP CABLES FROM PROJECTOR LOCATION TO CLOSEST TELECOM ROOM AND TERMINATE ON CATEGORY 6 PATCH PANEL. MOUNT OUTLET IN SINGLE PORT SURFACE MOUNT BOX ATTACHED TO STRUCTURAL CEILING. CABLES TO BE DESIGNATED FOR AUDIO VISUAL USE. PROVIDE 20' SERVICE LOOP IN CEILING SUPPORTED BY J-HOOKS. IN NON-ACCESSIBLE/OPEN CEILING SPACE TERMINATE IN BACKBOX.

WALL MOUNT WIRELESS ACCESS POINT DATA OUTLET MOUNTED AT 12'-0" AFF. TELECOM CONTRACTOR TO PROVIDE TWO(2) CATEGORY 6A/23 AWG/UTP FROM STATION OUTLET TO CLOSEST TELECOM ROOM AND TERMINATE ON CATEGORY 6A PATCH PANEL. SUPPORT CABLES IN CEILING SPACE WITH J-HOOKS ON 4'-0" TO 5'-0" CENTERS. PROVIDE 20' SERVICE LOOP IN CEILING SUPPORTED BY J-HOOKS.

TV ▽ DATA/TV OUTLET. COORDINATE MOUNTING HEIGHT WITH AUDIO VISUAL DRAWINGS AND ARCHITECTURAL ELEVATIONS. PROVIDE TWO(2) CATEGORY 6/23 AWG/UTP CABLES FROM STATION OUTLET TO CLOSEST TELECOM ROOM AND TERMINATE ON CATEGORY 6 PATCH PANEL. SUPPORT CABLES IN CEILING SPACE WITH J-HOOKS ON 4'-0" TO 5'-0" CENTERS.

DATA OUTLET MOUNTED IN SHARED ELECTRICAL FLOOR BOX / POKE-THRU. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS. PROVIDE TWO(2) CATEGORY 6/23 AWG/UTP CABLE FROM STATION OUTLET TO CLOSEST TELECOM ROOM AND TERMINATE ON CATEGORY 6 PATCH PANEL. CABLES TO BE DESIGNATED FOR DATA.
*NOTE: ALL CABLES ROUTED IN SLAB ON GRADE OR BELOW GRADE TO BE WET LOCATION RATED.
*NOTE: WHEN OUTLET IS PROVIDED WITH NUMERICAL SUBSCRIPT, OUTLET IS TO BE INSTALLED WITH NOTED QUANTITY OF CABLES.

DATA FOR VIDEO SURVEILLANCE CAMERA. COORDINATE WITH ARCHITECT'S AND SECURITY DRAWINGS FOR EXACT LOCATION. CONTRACTOR TO PROVIDE ONE(1) CATEGORY 6/23 AWG/UTP CABLE FROM STATION OUTLET TO CLOSEST TELECOM ROOM AND TERMINATE ON CATEGORY 6 PATCH PANEL. SUPPORT CABLES IN CEILING SPACE WITH J-HOOKS ON 4'-0" TO 5'-0" CENTERS. PROVIDE 20' SERVICE LOOP IN CEILING SUPPORTED BY J-HOOKS.

ELECTRICAL ROUGH-IN LEGEND:

▽ DATA OUTLET. REFERENCE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS. PROVIDE WALL MOUNT 4" SQUARE BACKBOX WITH SINGLE GANG TILE RING. PROVIDE ONE (1) - 1" EMT CONDUIT FROM BOX TO NEAREST ACCESSIBLE CEILING SPACE.

P CEILING MOUNT DATA OUTLET. PROVIDE 4-11/16" BACKBOX WITH SINGLE GANG TILE RING SUPPORTED FROM STRUCTURE ABOVE. PROVIDE TWO J-HOOKS SUPPORTED FROM STRUCTURE SPACED 12" APART TO SUPPORT 20' SERVICE LOOP ABOVE FINISHED CEILING. COORDINATE EXACT LOCATION OF SERVICE LOOP WITH ACCESSIBLE CEILING SPACES. FOR DEVICES LOCATED IN OPEN CEILINGS, CABLING TO BE INSTALLED IN 1" EMT CONDUIT.

TV ▽ DATA/TV OUTLET. REFERENCE ARCHITECTURAL ELEVATIONS AND AUDIO-VISUAL DRAWINGS FOR MOUNTING HEIGHTS. PROVIDE WALL MOUNT 4" SQUARE BACKBOX WITH SINGLE GANG TILE RING. PROVIDE ONE(1) -1" EMT CONDUIT FROM BOX TO NEAREST ACCESSIBLE CEILING SPACE.

DATA OUTLET MOUNTED IN SHARED ELECTRICAL FLOOR BOX / POKE-THRU. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR FLOOR BOX REQUIREMENTS. PROVIDE ONE(1) -1" CONDUIT FROM BOX TO NEAREST ACCESSIBLE CEILING SPACE. SIZE CONDUIT PER NEC 40% FILL REQUIREMENTS. UPSIZE TO 1-1/4" CONDUITS WHEN MORE THAN 4 CABLES ARE REQUIRED.

DATA OUTLET FOR VIDEO SURVEILLANCE CAMERA. PROVIDE WALL MOUNT 4" SQUARE BACKBOX WITH SINGLE GANG TILE RING. PROVIDE ONE (1) - 1" EMT CONDUIT FROM BOX TO NEAREST ACCESSIBLE CEILING SPACE.

SHEET LIST:

J&A
ENGINEERING CONSULTANTS
4994 LOWER ROSWELL ROAD, SUITE ONE
MARIETTA, GEORGIA 30068
PHONE: (770) 817-4220

HUSSEY GAY BELL
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329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS: △
GMP SUBMITTAL

DESIGNED	DRAWN	CHECKED
AJ	MV	JG

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

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COVER PAGE

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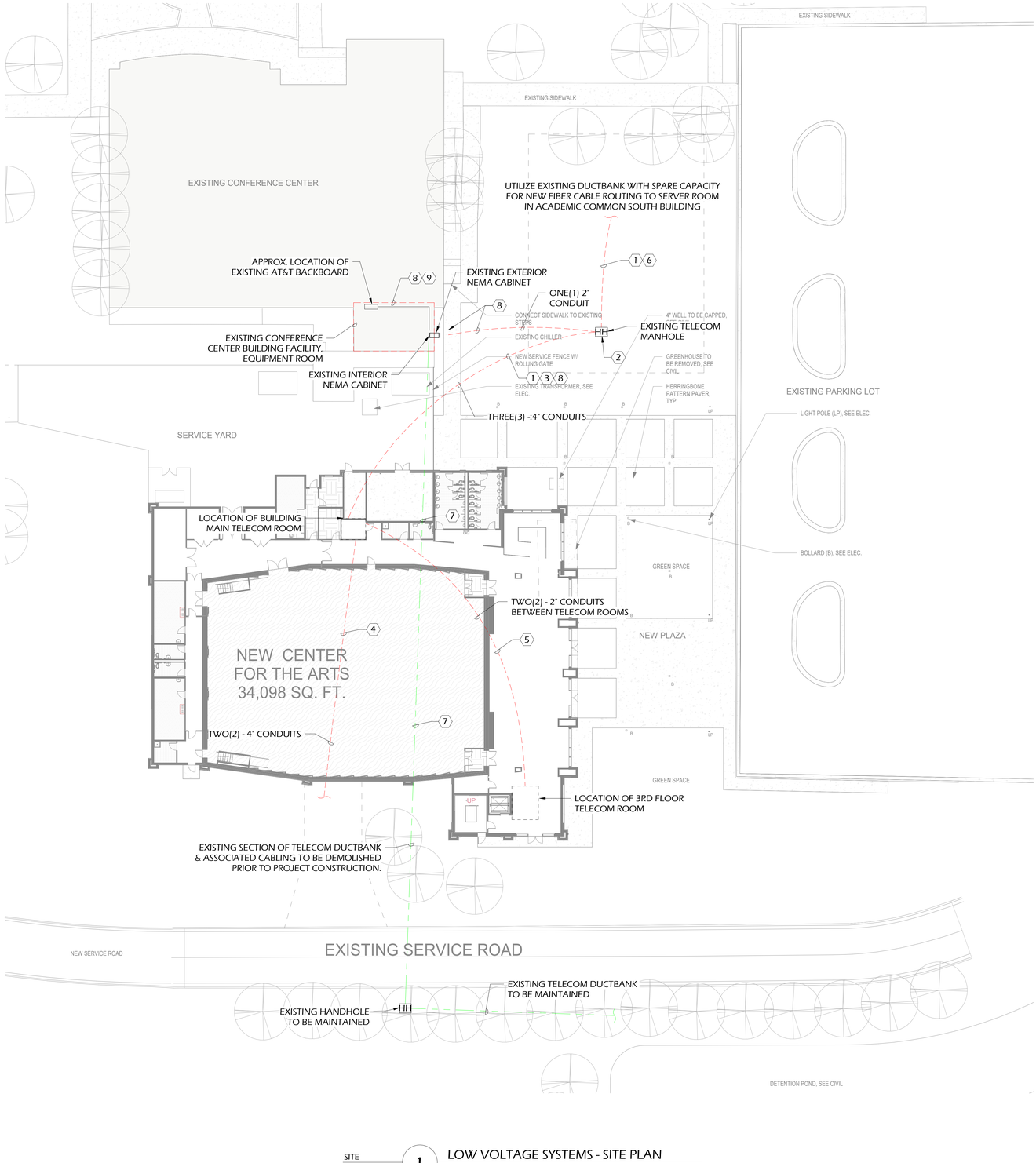

SITE
1" = 20'-0"

1 LOW VOLTAGE SYSTEMS - SITE PLAN

GENERAL NOTES:

A. NO CONDUIT RUN TO CONTAIN MORE THAN TWO (2) 90 DEGREE BENDS BETWEEN PULLING POINTS. PROVIDE JUNCTION BOXES WHERE REQUIRED TO MAINTAIN (2) 90 DEGREE BEND RULE.

B. ALL CONDUITS ROUTED BELOW GRADE TO BE SEALED TO PREVENT WATER INFILTRATION INTO EQUIPMENT ROOMS.

C. ALL DAMAGED LANDSCAPING, ASPHALT, AND CONCRETE SHALL BE RETURNED BACK TO THE ORIGINAL CONDITION.

D. REFERENCE ELECTRICAL SPECIFICATIONS FOR DUCT BANK INSTALLATION REQUIREMENTS.

E. ALL OUTSIDE PLANT CABLES TO BE OUTSIDE PLANT (WET LOCATION) RATED.

F. ALL NEW EXTERIOR DUCTBANKS TO BE PROVIDED WITH METALLIC TRACER WIRE TO ALLOW FUTURE LOCATION.

G. ALL LOW VOLTAGE CABLING SHALL BE ROUTED DIRECTLY TO LOW VOLTAGE EQUIPMENT CABINETS WITHOUT SPLICES. JUNCTIONS OR SPLICES IN CABLES ARE NOT ACCEPTABLE.

H. BEFORE ANY DIRECTIONAL DRILLING CAN COMMENCE, ALL EXISTING UNDERGROUND UTILITIES LOCATED ON COLLEGE PROPERTY AND WITHIN THE CITY PUBLIC RIGHT-OF-WAY MUST BE EXCAVATED AND EXPOSED [POT HOLE] SO AS TO PIN-POINT ITS PRECISE HORIZONTAL AND VERTICAL LOCATION. THIS SHALL BE DONE FOR ALL UNDERGROUND UTILITIES BURIED IN GRASS AREAS AND THOSE LOCATED UNDER ASPHALT AND/OR CONCRETE. BEFORE COMMENCEMENT OF WORK, WRITTEN ELEVATIONS TO BE SUBMITTED TO THE DESIGN TEAM FOR APPROVAL.

I. AS REQUIRED BY NATIONAL ELECTRIC CODE, NEC 300.5 (A), PROVIDE MINIMUM OF 24" OF COVER WHERE CONDUITS ARE CROSSING UNDER STREETS, ROADS, ALLEYS, DRIVEWAYS, AND PARKING AREAS.

J. CONTRACTOR SHALL UTILIZE RIGID CONDUIT ELBOWS FOR ALL 90° CONDUIT TURN-UPS FROM UNDERGROUND DUCT BANKS TO INTERIOR LOCATIONS.

K. REFERENCE DATA ONE-LINE DIAGRAMS FOR INSTALLATION REQUIREMENTS ASSOCIATED WITH REQUIRED BACKBONE CABLING SYSTEMS.

KEY NOTES:

1. IN ORDER TO CONNECT TO EXISTING CAMPUS SERVICES, EXTEND 24 STRAND SINGLE MODE OUTSIDE PLANT FIBER OPTIC CABLE FROM THE EXISTING SERVER ROOM IN THE ACADEMIC COMMON SOUTH BUILDING TO THE NEW PROJECT MAIN TELECOM ROOM. IN THE ACADEMIC COMMON SOUTH BUILDING, FIBER OPTIC CABLE TO BE TERMINATED IN CONTRACTOR PROVIDED FIBER OPTIC CONNECTOR PANEL. LAST FOUR (4) STRANDS OF SINGLE MODE FIBER OPTIC CABLE TO BE TERMINATED WITH ANGLED POLISHED CONNECTORS (APC'S). REQUIRED TERMINATION METHOD SHALL BE FUSION SPLICING TO APC PIGTAILS.

2. FOR CONNECTION INTO EXISTING DUCT BANK, EXCAVATE SIDE OF MANHOLE/HANDHOLE. PENETRATE AND ROUTE NEW CONDUITS INTO MANHOLE. SEAL MANHOLE/HANDHOLE AFTER CONDUIT INSTALLATION.

3. PROVIDE, BELOW GRADE, NOTED QUANTITY OF SCHEDULE 40 PVC CONDUITS BETWEEN MANHOLE/HANDHOLE AND MAIN TELECOM ROOM ON GRADE LEVEL. INSTALL CONDUIT PER NEC CODE REQUIREMENTS. USE LONG RADIUS 90 DEGREE ELBOWS TO TURN CONDUIT UP INTO TELECOM ROOM. CONDUITS TO TURN-UP ~3" ABOVE GRADE SLAB. ALL CONDUIT OPENINGS ARE TO BE SEALED. REFER TO LARGE SCALE DRAWING FOR PLACEMENT OF CONDUITS IN MAIN TELECOM ROOM.

4. PROVIDE, BELOW GRADE, NOTED QUANTITY OF SCHEDULE 40 PVC CONDUITS FROM MAIN TELECOM ROOM ON GRADE LEVEL TO 5'-0" FROM BUILDING FOOTING FOR FUTURE USE. INSTALL CONDUIT PER NEC CODE REQUIREMENTS. USE LONG RADIUS 90 DEGREE ELBOWS TO TURN CONDUIT UP INTO TELECOM ROOM. CONDUITS TO TURN-UP ~3" ABOVE GRADE SLAB. ALL CONDUIT OPENINGS ARE TO BE SEALED. REFER TO LARGE SCALE DRAWING FOR PLACEMENT OF CONDUITS IN MAIN TELECOM ROOM.

5. ROUTE TWELVE (12) STRAND SINGLE MODE FIBER OPTIC CABLE BETWEEN TELECOM ROOM AND MAIN TELECOM ROOM. BETWEEN TELECOM ROOMS, INSTALL TWO (2) – 2" EMT CONDUITS. CONDUITS TO BE ROUTED IN CONCEALED CEILING SPACE AND INSTALLED PER NEC.

6. UTILIZE EXISTING RACEWAY FOR FIBER OPTIC CABLE ROUTING ON UNIVERSITY GROUNDS. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF PULL STRING IN EMPTY CONDUIT. COORDINATE WITH UNIVERSITY PRIOR TO UTILIZATION OF EXISTING DUCT BANK.

7. CONTRACTOR TO ENSURE EXISTING TELECOM CABLING IN EXISTING DUCT BANK HAS BEEN REMOVED, BY OTHERS, PRIOR TO BUILDING CONSTRUCTION.

8. IN ORDER TO CONNECT TO AT&T VOICE SERVICES, ROUTE 25 PAIR OUTSIDE PLANT 24AWG UTP CABLE BETWEEN NEW BUILDING MAIN TELECOM ROOM AND EXISTING CONFERENCE CENTER AT&T BACKBOARD. PROVIDE ONE (1) - 2" SCHEDULE 40 PVC CONDUIT, BELOW GRADE, BETWEEN MANHOLE AND EXISTING EXTERIOR NEMA ENCLOSURE WITH EXISTING SLEEVE TO INTERIOR NEMA ENCLOSURE. INSTALL CONDUIT PER NEC CODE REQUIREMENTS. USE LONG RADIUS 90 DEGREE ELBOWS TO TURN CONDUIT UP INTO EXTERIOR TELECOM ENCLOSURE. ALL CONDUIT OPENINGS ARE TO BE SEALED.

9. INSIDE THE BUILDING EQUIPMENT ROOM, TURN ONE (1) – 1.5" EMT CONDUIT TO CEILING SPACE AND ROUTE HORIZONTALLY, SURFACE MOUNT, TO LOCATION OF AT&T BACKBOARD. INSTALL EMT CONDUIT PER NEC REQUIREMENTS.

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REVISIONS:
GMP SUBMITTAL

DESIGNED	DRAWN	CHECKED
AJ	MV	JG

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

SITE PLAN

DRAWING NUMBER

LV-101

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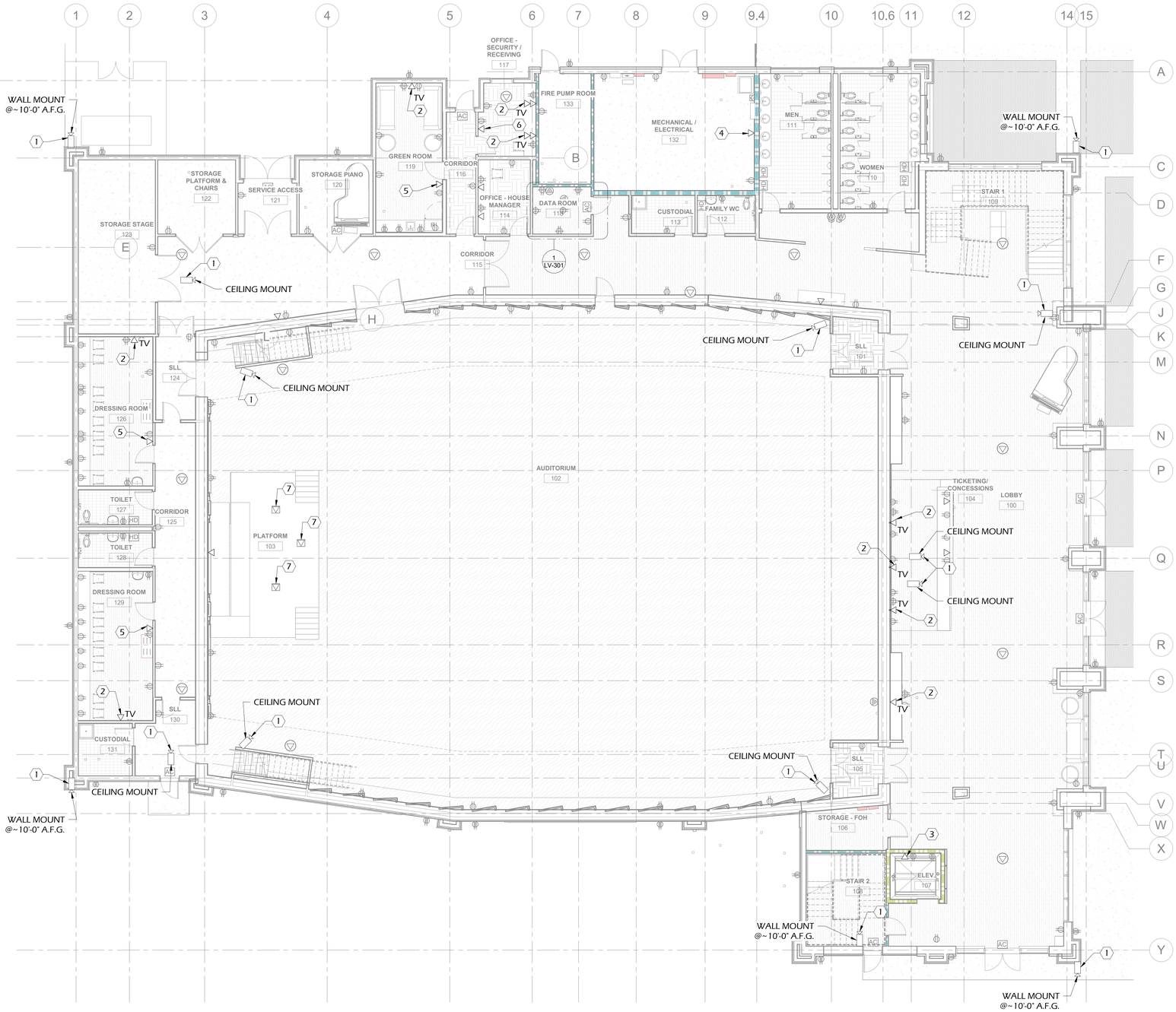

FLOOR PLAN 1/8" = 1'-0" — 1 FIRST FLOOR PLAN

GENERAL NOTES:

A. NO CONDUIT RUN ROUTED ABOVE GRADE TO CONTAIN MORE THAN 180° OF BENDS BETWEEN PULLING POINTS. PROVIDE JUNCTION BOXES WHERE REQUIRED TO MAINTAIN 180° DEGREE BEND RULE.

B. ALL SLAB, WALL, AND CMU BLOCK WALL PENETRATIONS TO BE FIREPROOFED AND SEALED.

C. ALL SIGNAL AND LOW VOLTAGE POWER CABLES TO BE ROUTED DIRECT TO EQUIPMENT ROOMS WITHOUT SPLICES. NO JUNCTION OR SPLICES IN CABLES ARE ACCEPTABLE.

D. ALL SIGNAL AND LOW VOLTAGE POWER CABLES TO BE PLENUM RATED. FOR ALL LOW VOLTAGE SYSTEMS PROVIDE EMT RACEWAY FROM TELECOM BACKBOX TO ACCESSIBLE CEILING SPACE AND PROVIDE J-HOOK SUPPORT TO TELECOM ROOM. J-HOOKS TO BE INSTALLED ON 4'-0" CENTERS. CABLES ARE NOT PERMITTED TO LAY UNSUPPORTED ACROSS CEILINGS.

E. IN NON-ACCESSIBLE CEILING SPACE, ALL SIGNAL AND LOW VOLTAGE POWER CABLE TO BE ROUTED IN EMT CONDUIT. MINIMUM SIZE SHALL BE 3/4". SIZE PER NEC 40% FILL REQUIREMENT.

F. ALL TELECOM CABLING TO BE ROUTED IN MOST DIRECT ROUTE TO ENSURE COMPLIANCE WITH CATEGORY CABLING 90 METER RULE.

KEY NOTES:

1. COORDINATE LOCATION OF DATA OUTLET FOR VIDEO SURVEILLANCE CAMERA WITH SECURITY CONTRACTOR. REFER TO ARCHITECT'S AND SECURITY DRAWINGS FOR CAMERA INFORMATION. MOUNT OUTLET IN SINGLE PORT SURFACE MOUNT BOX WITH 20' SERVICE LOOP SUPPORTED BY J-HOOK. REFER TO DETAIL #1/LV-503 FOR FURTHER REQUIREMENTS.
2. COORDINATE LOCATION OF DATA/TV OUTLET WITH FLAT PANEL LOCATION. LOCATE ADJACENT TO FLAT PANEL POWER RECEPTACLE.
3. COORDINATE LOCATION OF DATA OUTLET WITH ELEVATOR CONTROL ROOM. REQUIREMENT WILL BE TO CROSS-CONNECT WITH ELEVATOR TRAVELING CABLE. COORDINATE EXACT LOCATION OF DATA OUTLET WITH ELEVATOR CONTRACTOR.
4. COORDINATE LOCATION OF DATA OUTLET WITH BUILDING MANAGEMENT SYSTEM IP CONTROLLER.
5. DATA OUTLET FOR WALL PHONE MOUNTED AT 46" AFF. PROVIDE WALL PHONE FACEPLATE WITH MOUNTING PEGS AND ONE(1) - CATEGORY 6 CABLE FROM STATION OUTLET TO LOCAL TELECOM ROOM. PROVIDE WALL MOUNT 4" SQUARE BACKBOX WITH SINGLE GANG TILE RING AT 46" AFF TO CENTERLINE AND ONE(1) - 1" EMT CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE.
6. COORDINATE LOCATION OF DATA OUTLET WITH FIRE ALARM PANEL AND FIRE ALARM CONTRACTOR.
7. COORDINATE LOCATION OF SHARED FLOOR BOX WITH ELECTRICAL CONTRACTOR AND FINAL FURNITURE LOCATION. ALL CABLES ROUTED IN SLAB ON GRADE OR BELOW GRADE TO BE OSP 'WET LOCATION' RATED. PROVIDE CONDUIT SYSTEM FROM FLOOR BOX TO NEAREST WALL AND INTO ACCESSIBLE CEILING SPACE. TRANSITION FROM OSP TO PLENUM RATED CABLE IN JUNCTION BOX.

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SCALE AS NOTED

COLLEGE OF COASTAL GEORGIA
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BRUNSWICK, GA 31520

LEVEL 1 - FLOOR PLAN

DRAWING NUMBER
LV-201

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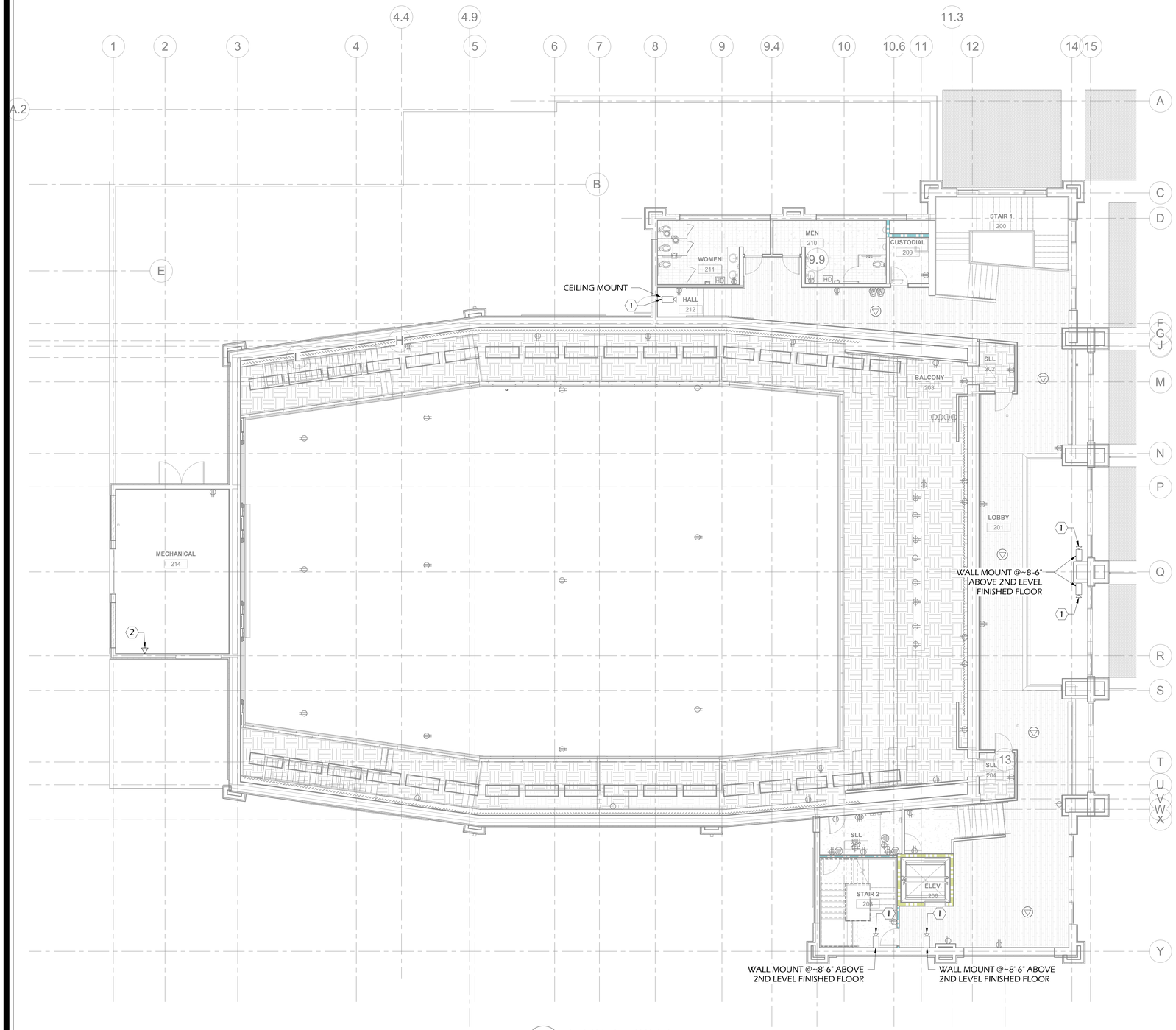

FLOOR PLAN 1/8" = 1'-0" — 1 SECOND FLOOR PLAN

GENERAL NOTES:

A. NO CONDUIT RUN ROUTED ABOVE GRADE TO CONTAIN MORE THAN 180° OF BENDS BETWEEN PULLING POINTS. PROVIDE JUNCTION BOXES WHERE REQUIRED TO MAINTAIN 180° DEGREE BEND RULE.

B. ALL SLAB, WALL, AND CMU BLOCK WALL PENETRATIONS TO BE FIREPROOFED AND SEALED.

C. ALL SIGNAL AND LOW VOLTAGE POWER CABLES TO BE ROUTED DIRECT TO EQUIPMENT ROOMS WITHOUT SPLICES. NO JUNCTION OR SPLICES IN CABLES ARE ACCEPTABLE.

D. ALL SIGNAL AND LOW VOLTAGE POWER CABLES TO BE PLENUM RATED. FOR ALL LOW VOLTAGE SYSTEMS PROVIDE EMT RACEWAY FROM TELECOM BACKBOX TO ACCESSIBLE CEILING SPACE AND PROVIDE J-HOOK SUPPORT TO TELECOM ROOM. J-HOOKS TO BE INSTALLED ON 4'-0" CENTERS. CABLES ARE NOT PERMITTED TO LAY UNSUPPORTED ACROSS CEILINGS.

E. IN NON-ACCESSIBLE CEILING SPACE, ALL SIGNAL AND LOW VOLTAGE POWER CABLE TO BE ROUTED IN EMT CONDUIT. MINIMUM SIZE SHALL BE 3/4". SIZE PER NEC 40% FILL REQUIREMENT.

F. ALL TELECOM CABLING TO BE ROUTED IN MOST DIRECT ROUTE TO ENSURE COMPLIANCE WITH CATEGORY CABLING 90 METER RULE.

KEY NOTES:

1. COORDINATE LOCATION OF DATA OUTLET FOR VIDEO SURVEILLANCE CAMERA WITH SECURITY CONTRACTOR. REFER TO ARCHEITECT'S AND SECURITY DRAWINGS FOR CAMERA INFORMATION. MOUNT OUTLET IN SINGLE PORT SURFACE MOUNT BOX WITH 20" SERVICE LOOP SUPPORTED BY J-HOOK. REFER TO DETAIL #1/LV-503 FOR FURTHER REQUIREMENTS.

2. COORDINATE LOCATION OF DATA OUTLET WITH BUILDING MANAGEMENT SYSTEM IP CONTROLLER.

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LEVEL 2 - FLOOR PLAN

DRAWING NUMBER

LV-202

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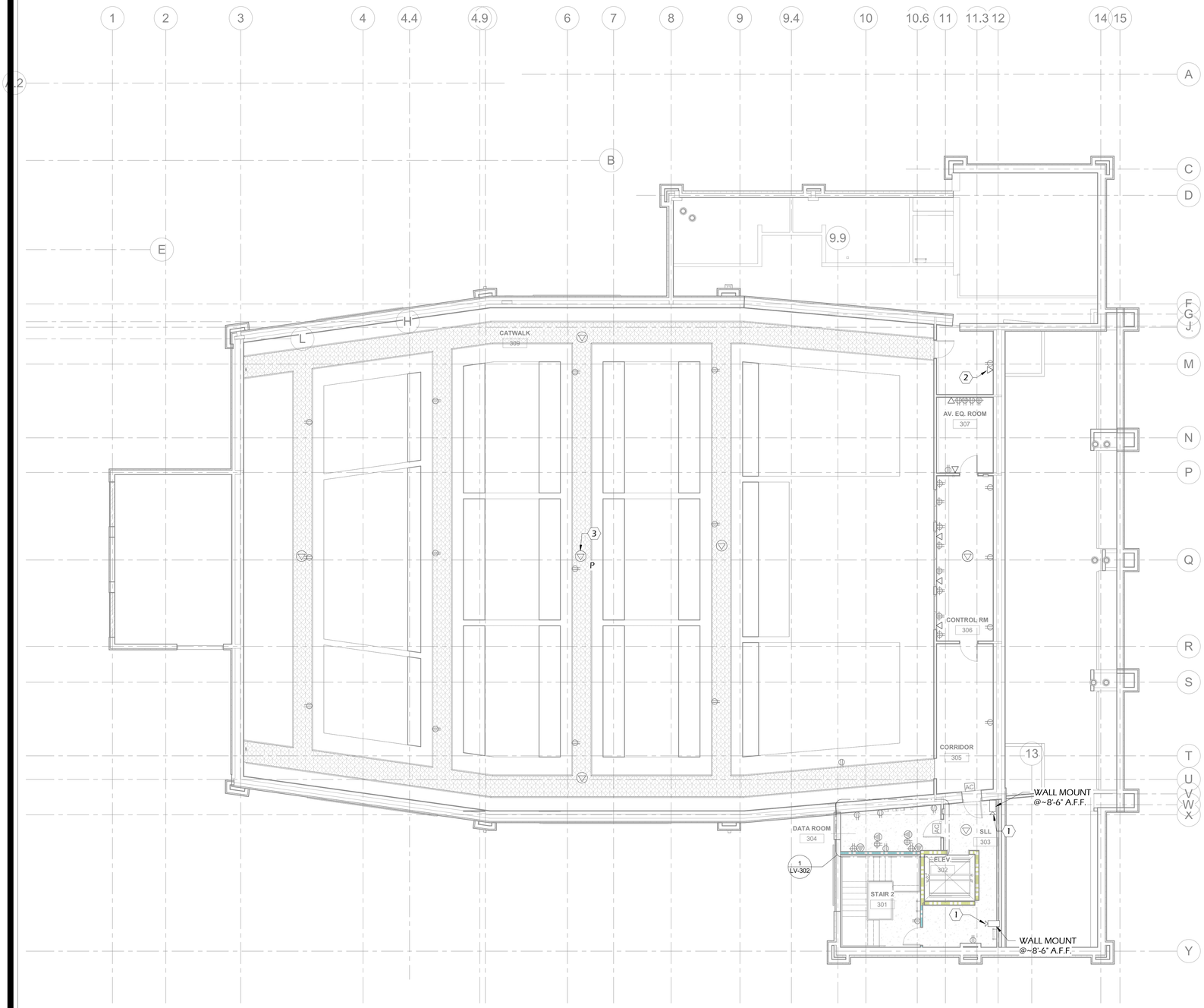

FLOOR PLAN 1 THIRD FLOOR PLAN - CATWALK

1/8" = 1'-0"

GENERAL NOTES:

A. NO CONDUIT RUN ROUTED ABOVE GRADE TO CONTAIN MORE THAN 180° OF BENDS BETWEEN PULLING POINTS. PROVIDE JUNCTION BOXES WHERE REQUIRED TO MAINTAIN 180° DEGREE BEND RULE.

B. ALL SLAB, WALL, AND CMU BLOCK WALL PENETRATIONS TO BE FIREPROOFED AND SEALED.

C. ALL SIGNAL AND LOW VOLTAGE POWER CABLES TO BE ROUTED DIRECT TO EQUIPMENT ROOMS WITHOUT SPLICES. NO JUNCTION OR SPLICES IN CABLES ARE ACCEPTABLE.

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E. IN NON-ACCESSIBLE CEILING SPACE, ALL SIGNAL AND LOW VOLTAGE POWER CABLE TO BE ROUTED IN EMT CONDUIT. MINIMUM SIZE SHALL BE 3/4". SIZE PER NEC 40% FILL REQUIREMENT.

F. ALL TELECOM CABLING TO BE ROUTED IN MOST DIRECT ROUTE TO ENSURE COMPLIANCE WITH CATEGORY CABLING 90 METER RULE.

KEY NOTES:

1. COORDINATE LOCATION OF DATA OUTLET FOR VIDEO SURVEILLANCE CAMERA WITH SECURITY CONTRACTOR. REFER TO ARCHEITECT'S AND SECURITY DRAWINGS FOR CAMERA INFORMATION. MOUNT OUTLET IN SINGLE PORT SURFACE MOUNT BOX WITH 20" SERVICE LOOP SUPPORTED BY J-HOOK. REFER TO DETAIL #1/LV-503 FOR FURTHER REQUIREMENTS.

2. DATA OUTLET FOR WALL PHONE MOUNTED AT 46" AFF. PROVIDE WALL PHONE FACEPLATE WITH MOUNTING PEGS AND ONE(1) - CATEGORY 6 CABLE FROM STATION OUTLET TO LOCAL TELECOM ROOM. PROVIDE WALL MOUNT 4" SQUARE BACKBOX WITH SINGLE GANG TILE RING AT 46" AFF TO CENTERLINE AND ONE(1) - 1" EMT CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE.

3. COORDINATE EXACT LOCATION AND REQUIREMENTS OF DATA OUTLET FOR CEILING MOUNT PROJECTOR WITH AUDIO VISUAL DRAWINGS.

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GMP SUBMITTAL

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DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
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BRUNSWICK, GA 31520

LEVEL 3 - FLOOR PLAN - CATWALK

DRAWING NUMBER

LV-203

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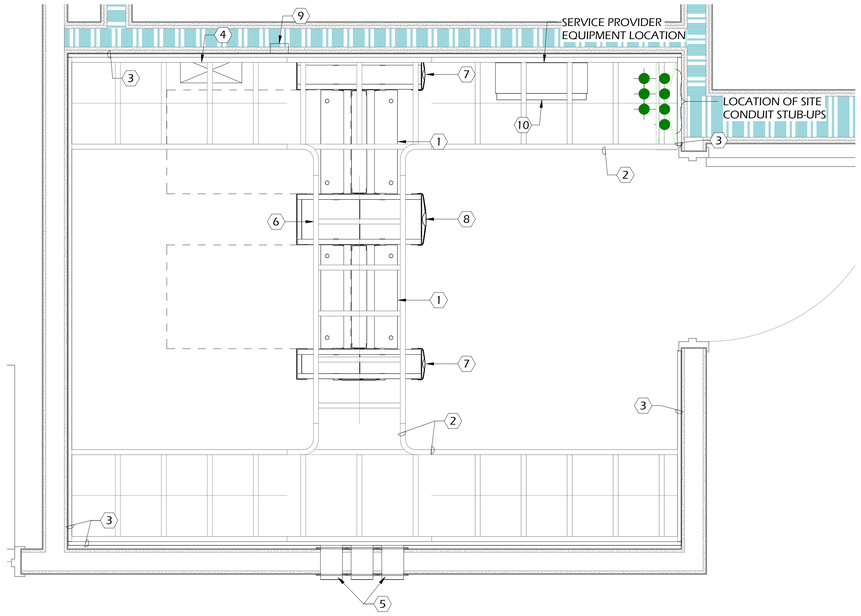
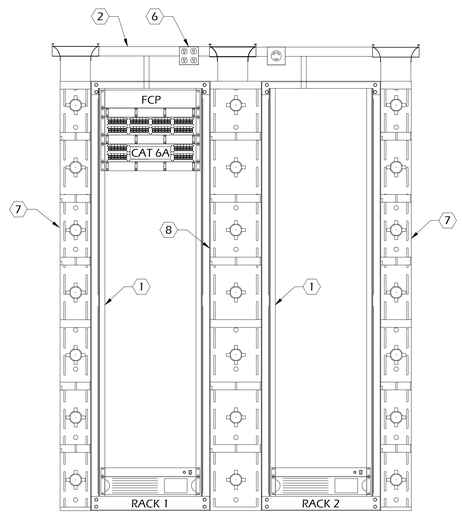


LARGE SCALE
1" = 1'-0"

1 FIRST FLOOR - DATA ROOM - 118



LARGE SCALE
N.T.S.

2 RACK ELEVATION DATA ROOM 118

KEY NOTES:

1. CONTRACTOR TO PROVIDE TIA/EIA STANDARD 2-POST 84"X 19" OPEN FRAME RELAY RACK. RACK TO BE PROVIDE WITH TWO-SIDED VERTICAL WIRE MANAGERS ON BOTH ENDS OF RACK. SEE DETAIL FOR TYPICAL RACK ELEVATION.
2. TELECOM CONTRACTOR TO PROVIDE AND INSTALL 18" HORIZONTAL LADDER RACK INSTALLED AT 90" AFF. LADDER RACK TO BE PROVIDED WITH TURN-DOWN VANES ABOVE VERTICAL WIRE MANAGERS.
3. GENERAL CONTRACTOR TO PROVIDE AND INSTALL 8' HIGH X 3/4" THICK AC PLYWOOD BACKBOARDS INSTALLED AT 18" AFF ON ALL FOUR WALLS. BOTH SIDES AND ALL EDGES SHALL BE TREATED WITH TWO(2) COATS OF FIRE RETARDANT GREY PAINT.
4. ELECTRICAL CONTRACTOR FURNISHED AND INSTALLED GROUNDING BUSBAR INSTALLED AT 84" AFF. REFER TO GROUNDING DETAILS FOR ADDITIONAL INFORMATION.
5. ELECTRICAL CONTRACTOR TO PROVIDE THREE(3) - 4" CONDUIT SLEEVES. FIRESTOP PENETRATIONS TO MATCH WALL RATING.
6. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ONE(1) L6-30R 208V POWER RECEPTACLE AND ONE(1) 5-20R 120V DEDICATED QUAD POWER RECEPTACLE ROUTED IN METAL CONDUIT, INSTALLED ON OUTSIDE EDGE OF LADDER RACK.
7. TELECOM CONTRACTOR TO PROVIDE AND INSTALL VERTICAL CABLE MANAGER, DOUBLE-SIDED, 84" HIGH X 6" WIDE X 24.5" DEEP
8. TELECOM CONTRACTOR TO PROVIDE AND INSTALL VERTICAL CABLE MANAGER, DOUBLE-SIDED, 84" HIGH X 10" WIDE X 24.5" DEEP
9. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ONE(1) L6-30R 208V POWER RECEPTACLE AND ONE (1) 5-20R 120V QUAD POWER RECEPTACLE AT ~ 87" AFF TO CENTER.
10. ELECTRICAL CONTRACTOR TO PROVIDE DEDICATED 120VAC, 20A POWER RECEPTACLE AT 18" AFF FOR SERVICE PROVIDER USE. COORDINATE EXACT LOCATION PLACEMENT WITH EQUIPMENT.

DEVICE LEGEND

- HORIZONTAL WIRE MANAGER (1RMU)
- CAT 6A — 48-PORT CATEGORY 6A PATCH PANEL (2RMU)
- 48-PORT CATEGORY 6 PATCH PANEL (2RMU)
- POWER STRIP (1RMU)
- UNINTERRUPTED POWER SUPPLY (2RMU)
- FCP — FIBER OPTIC PATCH PANEL (2 RMU)
- 24-PORT CATEGORY 6 PATCH PANEL (1RMU)

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DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
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LARGE SCALES

DRAWING NUMBER

LV-301

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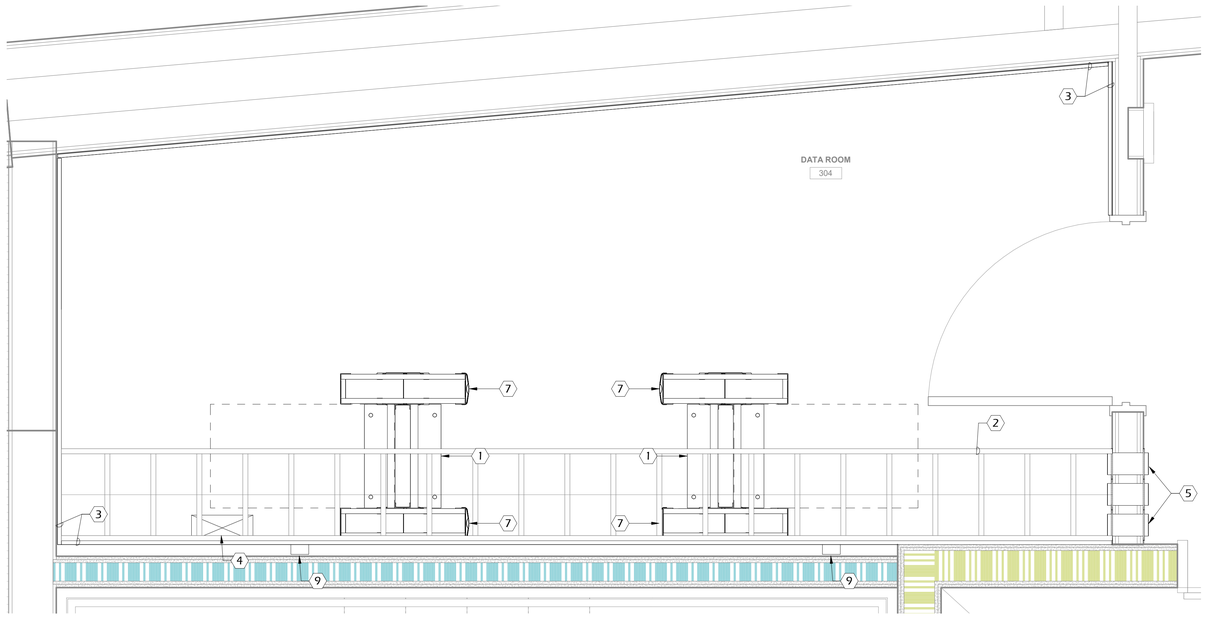


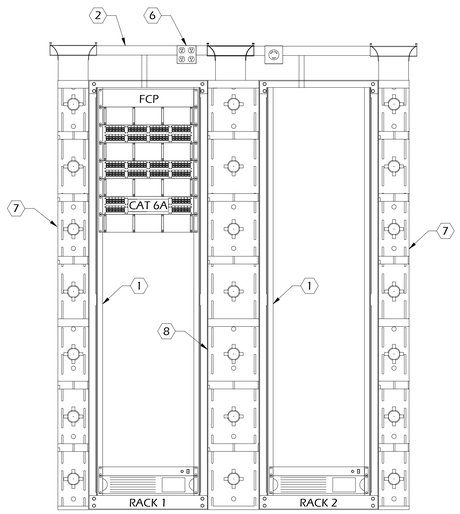
LARGE SCALE 1" = 1'-0" — 1 — THIRD FLOOR - DATA ROOM - 304

KEY NOTES:

1. CONTRACTOR TO PROVIDE TIA/EIA STANDARD 2-POST 84"X 19" OPEN FRAME RELAY RACK. RACK TO BE PROVIDE WITH TWO-SIDED VERTICAL WIRE MANAGERS ON BOTH ENDS OF RACK. SEE DETAIL FOR TYPICAL RACK ELEVATION.
2. TELECOM CONTRACTOR TO PROVIDE AND INSTALL 18" HORIZONTAL LADDER RACK INSTALLED AT 90" AFF. LADDER RACK TO BE PROVIDED WITH TURN-DOWN VANES ABOVE VERTICAL WIRE MANAGERS.
3. GENERAL CONTRACTOR TO PROVIDE AND INSTALL 8' HIGH X 3/4" THICK AC PLYWOOD BACKBOARDS INSTALLED AT 18" AFF ON ALL FOUR WALLS. BOTH SIDES AND ALL EDGES SHALL BE TREATED WITH TWO(2) COATS OF FIRE RETARDANT GREY PAINT.
4. ELECTRICAL CONTRACTOR FURNISHED AND INSTALLED GROUNDING BUSBAR INSTALLED AT 84" AFF. REFER TO GROUNDING DETAILS FOR ADDITIONAL INFORMATION.
5. ELECTRICAL CONTRACTOR TO PROVIDE THREE(3) - 4" CONDUIT SLEEVES. FIRESTOP PENETRATIONS TO MATCH WALL RATING.
6. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ONE(1) L6-30R 208V POWER RECEPTACLE AND ONE(1) 5-20R 120V DEDICATED QUAD POWER RECEPTACLE ROUTED IN METAL CONDUIT, INSTALLED ON OUTSIDE EDGE OF LADDER RACK.
7. TELECOM CONTRACTOR TO PROVIDE AND INSTALL VERTICAL CABLE MANAGER, DOUBLE-SIDED, 84" HIGH X 6" WIDE X 24.5" DEEP
8. TELECOM CONTRACTOR TO PROVIDE AND INSTALL VERTICAL CABLE MANAGER, DOUBLE-SIDED, 84" HIGH X 10" WIDE X 24.5" DEEP
9. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ONE(1) L6-30R 208V POWER RECEPTACLE AND ONE (1) 5-20R 120V QUAD POWER RECEPTACLE AT ~ 87" AFF TO CENTER.

DEVICE LEGEND

- HORIZONTAL WIRE MANAGER (1RMU)
- CAT 6A — 48-PORT CATEGORY 6A PATCH PANEL (2RMU)
- 48-PORT CATEGORY 6 PATCH PANEL (2RMU)
- POWER STRIP (1RMU)
- UNINTERRUPTED POWER SUPPLY (2RMU)
- FCP — FIBER OPTIC PATCH PANEL (2 RMU)
- 24-PORT CATEGORY 6 PATCH PANEL (1RMU)



LARGE SCALE N.T.S. — 2 — RACK ELEVATION DATA ROOM 304

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REVISIONS: △ GMP SUBMITTAL

DESIGNED	DRAWN	CHECKED
AJ	MV	JG

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
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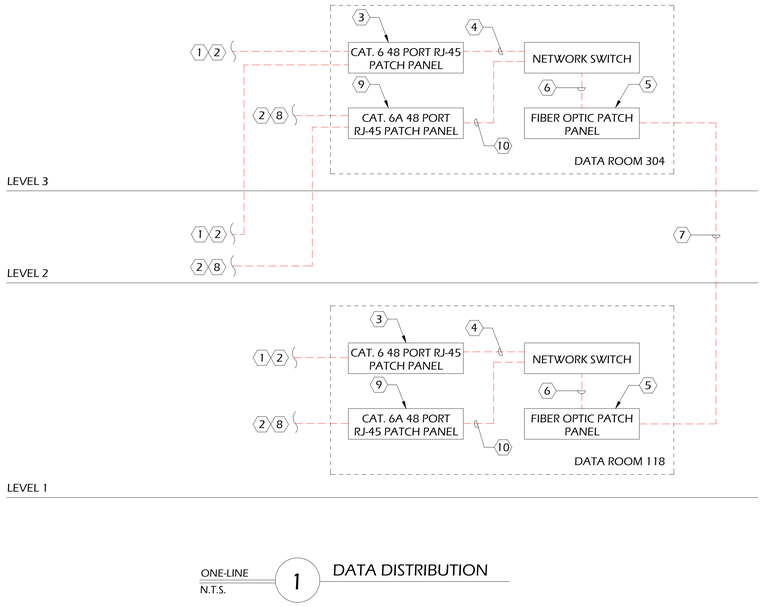
BRUNSWICK, GA 31520

LARGE SCALES

DRAWING NUMBER

LV-302

GMP SUBMITTAL - NOT FOR CONSTRUCTION



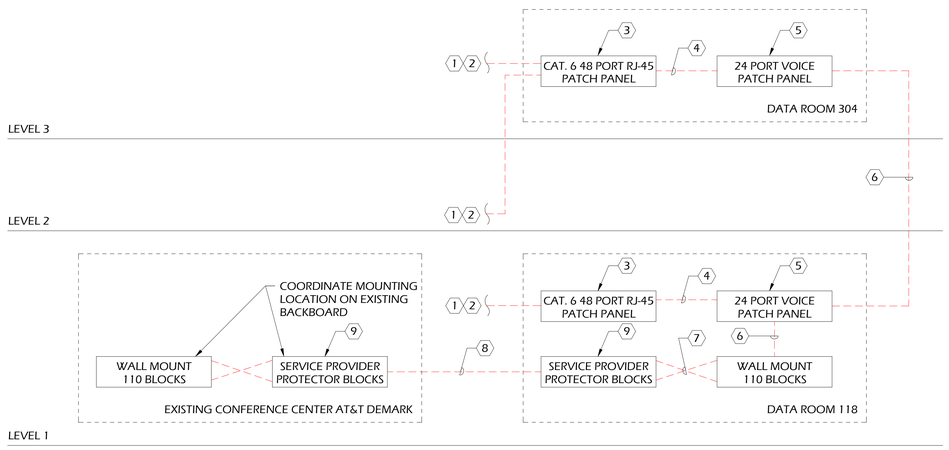
ONE-LINE N.T.S. — 1 DATA DISTRIBUTION

GENERAL NOTES: APPLIES TO DATA DISTRIBUTION ONLY

A. CONTRACTOR TO TEST FIBER WITH OPTICAL TIME DOMAIN REFLECTOMETER (OTDR) FROM BOTH DIRECTIONS. CONTRACTOR TO TEST FOR 10 GIGABIT CONNECTIVITY AND ENSURE MANUFACTURER SPECIFIED LOSS LIMITS ARE VERIFIED. CONTRACTOR TO UTILIZE PROPER LAUNCH CORD AND TAIL CORD PER MANUFACTURERS RECOMMENDATIONS. CONTRACTOR TO SUBMIT OTDR TRACE RESULTS AND BANDWIDTH TESTS UPON COMPLETION TO OWNER WITH A PASS/FAIL INDICATOR PER MANUFACTRERS ACCEPTABLE RANGES. CONTRACTOR TO ADHERE TO ANY FURTHER TESTING REQUIREMENTS TO OBTAIN MANUFACTURER'S WARRANTY.

KEY NOTES: APPLIES TO DATA DISTRIBUTION ONLY

1. PROVIDE PLENUM-TYPE 23 AWG/CATEGORY 6 COMPLIANT 4 PR. CABLE FROM CATEGORY 6 PATCH PANEL IN TELECOM ROOMS TO STATION OUTLET LOCATIONS. WIRELESS ACCESS POINT LOCATIONS & IP CAMERAS. SEE LEGEND AND FLOOR PLANS FOR REQUIREMENTS.
2. REFERENCE OUTLET DETAILS FOR TERMINATIONS REQUIREMENTS.
3. ALL CATEGORY 6 COPPER PATCH PANELS TO BE SIZED AS REQUIRED TO PROVIDE CAT 6 LINK TO ALL STATIONS PROVIDE SPARE CAPACITY AS REQUIRED IN SPECIFICATIONS. PATCH PANELS TO BE CATEGORY 6 48 PORT STYLE. SEE RACK ELEVATIONS FOR REQUIREMENTS.
4. PROVIDE ONE(1) - 2 METER CATEGORY 6 PATCH CABLE FOR EACH TERMINATED CATEGORY 6 HORIZONTAL CIRCUIT. CORDINATE EXACT COLOR AND LENGTHS WITH OWNER PRIOR TO ORDERING.
5. CONTRACTOR TO PROVIDE AND INSTALL RACK MOUNT FIBER OPTIC CONNECTOR PANEL. SEE SPECIFICATIONS FOR EXACT REQUIREMENTS. ALL FIBER OPTIC STRANDS TO BE TERMINATED AND TESTED.
6. SINGLE MODE FIBER OPTIC PATCH CABLES PROVIDE ONE(1) SINGLE MODE FIBER OPTIC PATCH CORD FOR EACH SINGLE MODE FIBER TERMINATION.
7. CONTRACTOR TO PROVIDE AND INSTALL ONE(1) 12-STRAND SINGLE -MODE FIBER OPTIC CABLE IN ARMORED JACKET BETWEEN TELECOM (IDF) AND MAIN TELECOM (MDF).
8. PROVIDE PLENUM-TYPE 23 AWG/CATEGORY 6A COMPLIANT 4 PR. CABLES FROM CATEGORY 6A PATCH PANELS IN TELECOM ROOMS TO ALL WIRELESS ACCESS POINT LOCATIONS.
9. ALL CATEGORY 6A COPPER PATCH PANELS TO BE SIZED AS REQUIRED TO PROVIDE CAT. 6A LINK TO ALL STATIONS. PROVIDE SPARE CAPACITY AS REQUIRED IN SPECIFICATIONS. PATCH PANELS TO BE CATEGORY 6A 48 PORT TYPE. SEE RACK ELEVATIONS FOR REQUIREMENTS.
10. PROVIDE ONE(1) - 2 METER CATEGORY 6A PATCH CABLE FOR EACH TERMINATED CATEGORY 6A HORIZONTAL CIRCUIT. COORDINATE EXACT COLOR AND LENGTHS WITH OWNER PRIOR TO ORDERING



ONE-LINE N.T.S. — 2 VOICE DISTRIBUTION

KEY NOTES: APPLIES TO VOICE DISTRIBUTION ONLY

1. PROVIDE PLENUM-TYPE 23 AWG/CATEGORY 6 COMPLIANT 4 PR. CABLE FROM CATEGORY 6 PATCH PANEL IN TELECOM ROOMS TO STATION OUTLET LOCATIONS. SEE LEGEND AND FLOOR PLANS FOR REQUIREMENTS.
2. REFERENCE OUTLET DETAILS FOR TERMINATIONS REQUIREMENTS.
3. ALL COPPER PATCH PANELS TO BE SIZED AS REQUIRED TO PROVIDE CAT. 6 LINK TO ALL VOICE OUTLETS. PROVIDE SPARE CAPACITY AS REQUIRED IN SPECIFICATIONS. PATCH PANELS TO BE CATEGORY 6 48 PORT. SEE RACK ELEVATIONS FOR REQUIREMENTS.
4. CONTRACTOR TO FURNISH SIX(6) 3-METER CAT. 6 PATCH CABLE FOR EACH TELECOM ROOM. COORDINATE COLOR WITH SPECIFICATIONS AND OWNER.
5. PROVIDE 24 PORT VOICE PATCH PANEL FOR ALL VOICE BACKBONE CABLES. LABEL PATCH PANEL FOR VOICE APPLICATION.
6. CONTRACTOR TO PROVIDE AND INSTALL 25-PAIR UTP VOICE BACKBONE CABLE FROM MAIN TELECOM ROOM (MDF) TO OTHER TELECOM ROOM LOCATIONS (IDF) PROVIDED WITH 10'-0" SERVICE LOOPS ON BOTH END OF CABLE.
7. VOICE CROSS CONNECT CABLES TO BE INSTALLED BY THE CONTRACTOR. CONTRACTOR TO COORDINATE WITH OWNER FOR PAIR CROSS CONNECT REQUIREMENTS.
8. CONTRACTOR TO PROVIDE AND INSTALL 25-PAIR, OUTSIDE PLANT RATED, VOICE BACKBONE CABLE FROM NEW BUILDING MDF TO EXISTING CONFERENCE CENTER AT&T BACKBOARD. PROVIDE 10'-0" CERVICE LOOPS ON BOTH ENDS OF CABLE.
9. PROVIDE 2-STAGE GROUNDED PROTECTOR BLOCKS ON BOTH ENDS OF OUTSIDE PLANT VOICE CABLE.

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REVISIONS: △ GMP SUBMITTAL

DESIGNED	DRAWN	CHECKED
AJ	MV	JG

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

ONE-LINE DIAGRAMS

DRAWING NUMBER

LV-401

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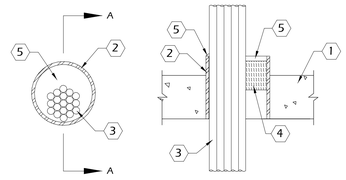


SECTION A-A

F RATINGS -2, 3 AND 4 HR (SEE ITEM 5)
T RATINGS - 0, 1/2 AND 2-3/4 HR (SEE ITEM 5)

KEY NOTES:

(APPLY TO THIS DETAIL ONLY)

1. FLOOR OR WALL ASSEMBLY - MIN 2-1/2 IN. (64 MM) OR 4-1/2 IN. (114 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. FLOOR MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS*. MAX DIAM OF OPENING IS 6 IN. (152 MM). SEE CONCRETE BLOCKS (CAZT) AND PRECAST CONCRETE UNITS (CFTV) CATEGORIES IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. SLEEVE - (OPTIONAL) - NOM 6 IN. (152 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE SLEEVE, NOM 6 IN. (152 MM) DIAM (OR SMALLER) NO. 26 GA (0.022 IN. OR 0.56 MM THICK) SHEET STEEL SLEEVE WITH SQUARE ANCHOR FLANGE SPOT WELDED TO SLEEVE AT APPROX MID-HEIGHT OR NOM 6 IN. (152 MM) DIAM (OR SMALLER) SCHEDULE 40 POLYVINYL CHLORIDE (PVC) PIPE SLEEVE CAST OR GROUTED INTO FLOOR OR WALL FLUSH WITH FLOOR OR WALL SURFACES. STEEL PIPE SLEEVE MAY BE INSTALLED TO PROJECT A MAX OF 2 IN. (51 MM) BEYOND THE FLOOR OR WALL SURFACES.

3. CABLES - AGGREGATE CROSS-SECTIONAL AREA OF CABLES IN SLEEVE TO BE MAX 45 PERCENT OF THE CROSS-SECTIONAL AREA OF THE SLEEVE. SEE ITEM 5 FOR SPECIFIC CABLE FILL REQUIREMENTS. TIGHT BUNDLE OF CABLES TO BE INSTALLED IN THE STEEL SLEEVE. THE ANNULAR SPACE WITHIN THE FIRESTOP SYSTEM SHALL BE A MIN OF 0 IN. (POINT CONTACT) TO A MAX OF 2 IN. IN 4 HR FIRE RATED ASSEMBLIES, THE ANNULAR SPACE WITHIN THE FIRESTOP SYSTEM SHALL BE A MIN OF 1/4 IN. (6 MM) TO A MAX OF 1 IN. (25 MM). CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR OR WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF CABLES MAY BE USED:

   A. MAX 400 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   B. MAX 3/C NO. 2/0 AWG (OR SMALLER) ALUMINUM OR COPPER CONDUCTOR SERVICE ENTRANCE CABLE WITH PVC INSULATION AND JACKET.
   C. MAX 3/C NO. 2/0 AWG (OR SMALLER) COPPER CONDUCTOR PVC JACKETED ALUMINUM CLAD OR STEEL CLAD TECK 90 CABLE.
   D. MAX 3/C NO. 8 AWG (OR SMALLER) NONMETALLIC SHEATHED (ROMEX) CABLE WITH COPPER CONDUCTORS, PVC INSULATION AND JACKET.
   E. MAX 1/C 1000 KCMIL (OR SMALLER) COPPER CONDUCTOR POWER CABLE WITH XLPE OR PVC INSULATION AND XLPE OR PVC JACKET.
   F. MAX RG59/U (OR SMALLER) COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.
   G. MAX 62.5/48 FIBER OPTIC CABLE WITH PVC INSULATION AND JACKETING.
   H. MAX 4 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH PVC INSULATION AND JACKET.

3A. THROUGH PENETRATING PRODUCT* - (NOT SHOWN) - MAX 4/C NO. 2/0 AWG (OR SMALLER) STEEL OR ALUMINUM ARMORED CABLE+ OR METAL CLAD CABLE+ WITH COPPER OR ALUMINUM CONDUCTORS. DIAM OF CABLE BUNDLE (ITEM 3) INCLUDING ARMORED CABLE NOT TO EXCEED 4 IN. THROUGH PENETRATING PRODUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF A FLOOR OR WALL ASSEMBLY.

AFC CABLE SYSTEMS INC

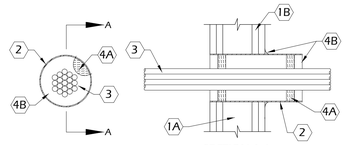
4. PACKING MATERIAL - MIN 2, 3 OR 4 IN. (51, 76 OR 102 MM) THICKNESS OF MIN 4 PCF (64 KG/M3) DENSITY MINERAL-WOOL BATT INSULATION TIGHTLY PACKED INTO OPENING AS A PERMANENT FORM FOR 2, 3 OR 4 HR FIRE RATED ASSEMBLIES, RESPECTIVELY . PACKING MATERIAL TO BE RECESSED FROM TOP EDGE OF SLEEVE OR FROM TOP SURFACE OF CONCRETE IN CAST CONCRETE FLOOR ASSEMBLIES TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. PACKING MATERIAL TO BE RECESSED FROM BOTH EDGES OF SLEEVE OR FROM BOTH SURFACES OF ASSEMBLY IN WALLS AND IN FLOOR CONSTRUCTED WITH HOLLOW-CORE PRECAST CONCRETE UNITS TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

5. FILL, VOID OR CAVITY MATERIAL* - SEALANT OR PUTTY - MIN 1/2 IN. (13 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS FOR 2 AND 3 HR F RATINGS. MIN 3/4 IN. (19 MM) THICKNESS OF FILL MATERIAL APPLIED WITH THE ANNULUS FOR 4 HR F RATING. IN FLOORS, FILL MATERIAL TO BE INSTALLED FLUSH WITH TOP EDGE OF SLEEVE OR TOP SURFACE OF FLOOR. IN WALLS AND IN FLOOR CONSTRUCTED OF HOLLOW-CORE PRECAST CONCRETE UNITS, FILL MATERIAL TO BE INSTALLED FLUSH WITH BOTH ENDS OF SLEEVE OR BOTH SURFACES OF ASSEMBLY. F AND T RATINGS OF FIRESTOP SYSTEM ARE DEPENDENT UPON THE THROUGH OPENING SIZE, THICKNESS OF CONCRETE, SLEEVE TYPE AND PERCENT CABLE FILL, AS SHOWN IN THE FOLLOWING TABLE:

MAX OPENING DIAM	MIN CONCRETE THICKNESS	OPTIONAL SLEEVE TYPE	CABLE TYPE	PERCENT CABLE FILL	F RATING	T RATING
6 IN. (152 MM)	2-1/2 IN. (64 MM)	PVC	A TO H, 3A	37	2 HR	0 HR
6 IN. (152 MM)	2-1/2 IN. (64 MM)	PVC	H	45	2 HR	0 HR
6 IN. (152 MM)	2-1/2 IN. (64 MM)	STEEL	A TO H, 3A	37	2 HR	0 HR
6 IN. (152 MM)	2-1/2 IN. (64 MM)	STEEL	H	45	2 HR	0 HR
6 IN. (152 MM)	4-1/2 IN. (114 MM)	STEEL	A TO H, 3A	34	3 HR	1/2 HR
6 IN. (152 MM)	4-1/2 IN. (114 MM)	STEEL	H	45	3 HR	1/2 HR
2 IN. (52 MM)	4-1/2 IN. (114 MM)	STEEL	H	40	3 HR	2-3/4 HR
2 IN. (52 MM)	4-1/2 IN. (114 MM)	STEEL	H	40	4 HR	2-3/4 HR

SPECIFIED TECHNOLOGIES INC - SPECSEAL SERIES SSS SEALANT OR SPECSEAL LCI SEALANT. WHEN MIN FLOOR OR WALL THICKNESS IS 4-1/2 IN. (114 MM) , SPECSEAL PUTTY MAY BE USED.
*BEARING THE UL CLASSIFICATION MARK

DETAIL NOT TO SCALE 1 FIRESTOP SYSTEM - C-AJ-3154



SECTION A-A

F RATINGS -1 AND 2 HR (SEE ITEM 1)
T RATING - 3/4 HR

KEY NOTES:

(APPLY TO THIS DETAIL ONLY)

1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM. 2 X 4 IN. (51 X 102MM) LUMBER SPACED 16 IN. (406MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (76MM) WIDE AND SPACED MAX 14 IN. (610MM) OC.

   B. GYPSUM BOARD - THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM. OF OPENING IS 4-1/2 IN. (114MM).

   C. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. STEEL SLEEVE - NOM. 4 IN. (102MM) DIAM. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT), STEEL CONDUIT OR SCHEDULE 5 (OR HEAVER) STEEL PIPE SLEEVE FRICTION-FITTED INTO WALL ASSEMBLY. SLEEVE MAY BE INSTALLED FLUSH WITH OR EXTEND UP TO 18 IN. (46 CM) BEYOND ONE OR BOTH WALL SURFACES.

3. CABLES - AGGREGATE CROSS-SECTIONAL AREA OF CABLES IN STEEL SLEEVE TO BE MAX. 48 PERCENT OF THE AGGREGATE CROSS-SECTIONAL AREA OF THE SLEEVE. CABLES TO BE BUNDLED AND RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE ANNULAR SPACE BETWEEN THE CABLES AND THE SLEEVE SHALL BE MIN. 0 IN. (POINT CONTACT) TO MAX. 1-1/2 IN. (38MM). ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF COPPER CONDUCTOR CABLE MAY BE USED:

   A. MAX 200 PAIR NO. AWG (OR SMALLER) COPPER CONDUCTOR CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   B. MAX 3/C NO. 2/0 AWG (OR SMALLER) ALUMINUM OR COPPER CONDUCTOR SERVICE ENTRANCE CABLE WITH PVC INSULATION AND JACKET.
   C. MAX 3/C NO. 8 AWG (OR SMALLER) NONMETALLIC SHEATHED (ROMEX) CABLE WITH COPPER CONDUCTORS, PVC INSULATION AND JACKET.
   D. MAX 7/C NO. 2/0 AWG (OR SMALLER) MULTICONDUCTOR POWER AND CONTROL CABLES WITH XLPE OR PVC INSULATION AND XLPE OR PVC JACKET.
   E. MAX. RG/U (OR SMALLER) COAXIAL CABLE WITH FLOURINATED ETHYLENE INSULATION AND JACKETING.
   F. MAX. 62.5/48 FIBER OPTIC CABLE WITH PVC INSULATION AND JACKETING.
   G. MAX 4 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH PVC INSULATION AND JACKET.
   H. MAX. 4/C NO 2/0 ALUMINUM OR COPPER CONDUCTOR ALUMINUM OR STEEL METAL-CLAD# OR ARMORED-CLAD# CABLE.

FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

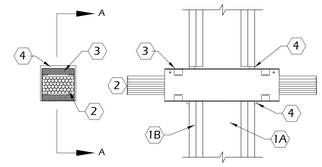
4. A. PACKING MATERIAL - WHEN REQUIRED (SEE TABLE IN ITEM 3B), MIN. 1 IN. (25MM) THICKNESS OF MIN. 4.0 PCF (64 KG/M3) MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO EACH END OF SLEEVE AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM EACH END OF SLEEVE AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

   B. FILL, VOID OR CAVITY MATERIAL* - SEALANT OR PUTTY - FILL MATERIAL APPLIED TO APPROPRIATE THICKNESS WITHIN STEEL SLEEVE, FLUSH WITH EDGES OF STEEL SLEEVE ON BOTH SURFACES OF WALL. MIN. 1/2 IN. (13MM) DIAM. BEAD OF SEALANT OR "ROPE" OF PUTTY SHALL BE APPLIED AROUND THE PERIMETER OF THE SLEEVE ON EACH SIDE OF THE WALL WHEN SLEEVE EXTENDS BEYOND SURFACE OF WALL. SEE TABLE BELOW FOR FILL MATERIAL THICKNESS REQUIREMENTS.

SEALANT OR PUTTY TYPE	THICKNESS	PACKING MATERIAL REQUIRED
SPECSEAL SERIES SSS SEALANT OR LCI SEALANT	1/2 IN. (13 MM)	YES
SPECSEAL SERIES SSS SEALANT OR LCI SEALANT	1 IN. (25 MM)	NO
SPECSEAL PUTTY	1 IN. (25 MM)	NO

SPECIFIED TECHNOLOGIES INC - SPECSEAL SERIES SSS SEALANT OR SPECSEAL LCI SEALANT. WHEN MIN FLOOR OR WALL THICKNESS IS 4-1/2 IN. (114 MM) , SPECSEAL PUTTY MAY BE USED.
*BEARING THE UL CLASSIFICATION MARK

DETAIL NOT TO SCALE 2 FIRESTOP SYSTEM - W-L-3210



SECTION A-A

F RATINGS -1 AND 2 HR (SEE ITEM 1)
T RATING - 3/4 HR (SEE ITEM 2)
L RATING AT AMBIENT - LESS THAN 1, 1.3, 4 OR 7 CFM (SEE ITEM 3)
L RATING AT 400 F - LESS THAN 1, 2 OR 3 CFM (SEE ITEM 3)

KEY NOTES:

(APPLY TO THIS DETAIL ONLY)

1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM. 2 X 4 IN. (51 X 102MM) LUMBER SPACED 16 IN. (406MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (76MM) WIDE AND SPACED MAX 14 IN. (610MM) OC.

   B. GYPSUM BOARD - THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM. OF OPENING IS 4-1/2 IN. (114MM).

   C. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. CABLES - WITHIN THE LOADING AREA FOR EACH FIRESTOP DEVICE MODULE, THE CABLES MAY REPRESENT A 0 TO 100 PERCENT VISUAL FILL. CABLE FILL TO BE DISTRIBUTED AT A UNIFORM HEIGHT ACROSS THE WIDTH OF THE FIRESTOP DEVICE MODULE. CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES OF CABLES MAY BE USED:

   A. MAX. 100 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUTOR TELECOMMUNICATION CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   B. MAX. 350 KCMIL SINGLE COPPER CONDUCTOR POWER CABLE WITH XLP E JACKET AND INSULATION.
   C. MAX 7/C NO. 12 AWG COPPER CONDUCTOR CONTROL CABLE WITH PVC OR XLP E JACKET AND INSULATION.
   D. MAX. 3/C NO. 10 AWG METAL CLAD OR ARMORED CABLE WITH STEEL OR ALUMINUM JACKET.
   E. MAX. 3/C NO. 8 AWG NM CABLE (ROMEX) WITH PVC INSULATION AND JACKET.
   F. MAX FOUR PAIR NO. 22 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH PVC OR PLENUM RATED JACKETING AND INSULATION.
   G. MAX RG/U COAXIAL CABLE WITH FLOURINATED ETHYLENE INSULATION AND JACKETING.
   H. FIBER OPTIC CABLE WITH PVC OR POLYETHYLENE (PE) JACKET AND INSULATION HAVING A MAX. DIAM. OF 5/8 IN. (10MM).
   I. OPTICAL FIBER RACEWAY - MAX 1-1/2 IN. (38MM) DIAM. (OR SMALLER) OPTICAL FIBER RACEWAY ("INNERDUCT") FORMED OF EITHER PVC OR POLYVINYLIDENED FLOURIDE (PVDF) WITH OPTICAL FIBER CABLE FILL. RACEWAYS INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA 70).

   WHEN THE HOURLY RATING OF THE WALL ASSEMBLY IS 1 HR, THE T RATING IS 3/4 HR. WHEN THE HOURLY RATING OF THE WALL ASSEMBLY IS 2 HR, THE T RATING IS 3/4 HR. WHEN ITEM 2A, 2B,2C,2D OR 2E IS USED. OTHERWISE THE T RATING IS 1 HR.

3. THE L RATING FOR THE EMPTY FIRESTOP DEVICE IS LESS THAN 1CFM AT AMBIENT AND AT 400F.WHEN ITEM 3A IS USED, THE L RATING FOR THE FIRESTOP DEVICE WITH 100 PERCENT VISUAL FILL IS 4 CFM AT AMBIENT AND 3 CFM AT 400F. WHEN ITEM 3F IS USED, THE L RATING FOR THE FIRESTOP DEVICE WITH 100 PERCENT VISUAL FILL IS 1.3 CFM AT AMBIENT AND LESS THAN 1 CFM AT 400F. WHEN ITEM 3G OR 3H IS USED, THE L RATING FOR THE FIRESTOP DEVICE WITH 100 PERCENT VISUAL FILL IS 7 CFM AT AMBIENT AND 2 CFM AT 400F.

   FIRESTOP DEVICE - FIRESTOP DEVICE CONSISTS OF A 3 X 3 X 10-1/2 IN. (76 X 76 X 267MM) LONG GALV. STEEL TUBE WITH AN INTUMESCENT MATERIAL LINING. FIRESTOP DEVICE TO BE INSTALLED IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS. PRIOR TO INSTALLATION WITHIN WALL, ATTACHMENT SCREWS AND LID REMOVED FROM DEVICE TO CAPTURE GROUPED CABLES. AFTER INSTALLATION OF CABLES, LID REPLACED AND REATTACHED WITH SAME SCREWS. DEVICE SLID ALONG CABLES INTO WALL SUCH TAT LID IS ON TOP AND ENDS PROJECT AN EQUAL DISTANCE FROM THE APPROX. CENTERLINE OF THE WALL ASSEMBLY. THE SPACE BETWEEN THE DEVICE AND THE PERIPHERY OF THE OPENING SHALL BE MIN. 0 IN. (0MM) TO MAX. 1/2 IN. (13MM).
   SPECIFIED TECHNOLOGIES INC - EZ PATH SERIES 33 FIRE RATED PATHWAY

4. FILL, VOID OR CAVITY MATERIAL - SEALANT - MIN. 5/8 IN. (6MM) THICKNESS OF SEALANT TO BE APPLIED IN ANNULAR SPACE BETWEEN FIRESTOP DEVICE AND PERIPHERY OF OPENING ON EACH SIDE OF WALL ASSEMBLY. NOM. 3/8 IN. (10MM) DIAM. BEAD OF FILL MATERIAL APPLIED AT THE FIRESTOP DEVICE/GYPSUM BOARD INTERFACE ON BOTH SIDES OF THE WALL ASSEMBLY.

   SPECIFIED TECHNOLOGIES INC. - SPECSEAL 100,101,102,105,120 OR 129 SEALANT, SPECSEAL LCI SEALANT, SPECSEAL LC150 SEALANT, PENSIL 300 SEALANT OR SPECSEAL SERIES SIL300 SEALANT.

DETAIL NOT TO SCALE 3 FIRESTOP SYSTEM - W-L-3219

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DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
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DETAILS

DRAWING NUMBER

LV-501

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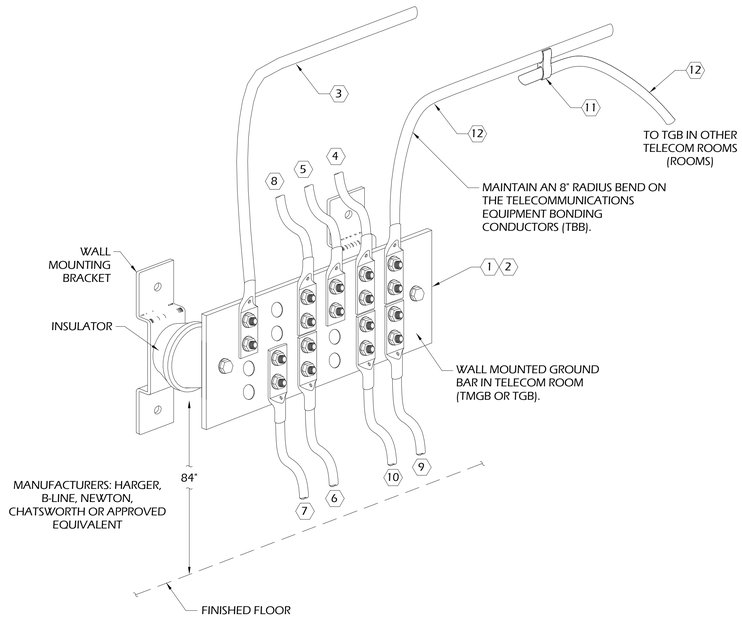


GENERAL NOTES:

A. TELECOMMUNICATIONS BONDING BACKBONE (TBB) SHALL BE A CONTINUOUS CONDUCTOR AND SHALL BE SPLICED TO TELECOMMUNICATIONS GROUND BUSBARS WITH A SHORT BONDING CONDUCTOR. USE CONDUCTOR TABLE TO CALCULATE TBB SIZE. CONTRACTOR TO COMPLY WITH ALL REQUIREMENTS OF NASI/TIA-607B.

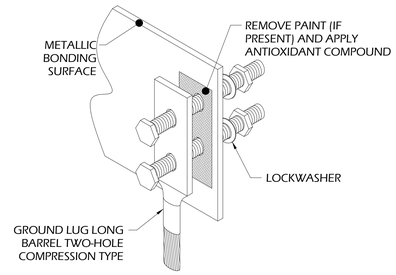
B. GROUNDING EQUALIZER (GE) SHALL BE A CONTINUOUS CONDUCTOR AND SHALL BE SPLICED TO TELECOMMUNICATIONS GROUND BUSBARS WITH A SHORT BONDING CONDUCTOR. USE CONDUCTOR TABLE TO CALCULATE GE SIZE. CONTRACTOR TO COMPLY WITH ALL REQUIREMENTS OF ANSI/TIA-607C.

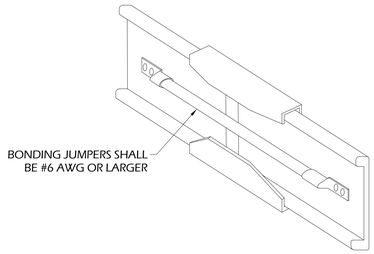
C. ALL GROUNDING LUGS SHALL BE TWO HOLE, NO EXCEPTIONS.

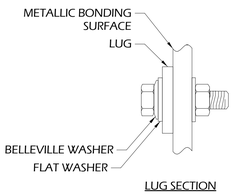
CONDUCTOR TABLE	
LINEAR LENGTH (FT.)	SIZE (AWG)
LESS THAN 13	6
14 - 20	4
21 - 26	3
27 - 33	2
34 - 41	1
42 - 52	1/0
53 - 66	2/0
GREATER THAN 67	3/0

KEY NOTES:

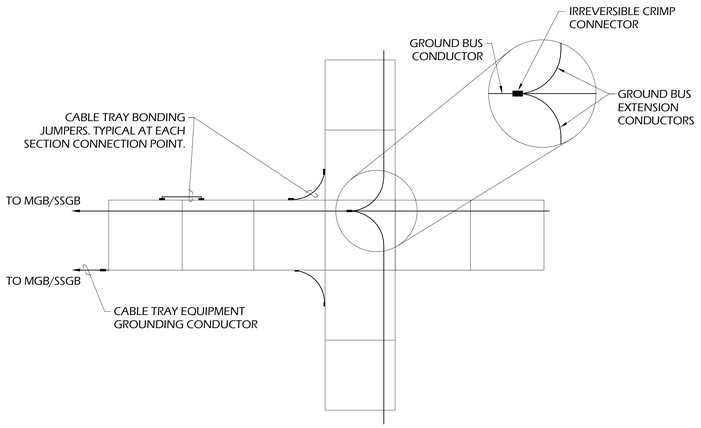
1. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB). TMGB SHALL BE PRE-DRILLED COPPER BUSBAR WITH STANDARD NEMA BOLT HOLE SIZING AND SPACING. MINIMUM SIZING SHALL BE ¼" THICK X 4" WIDE X 24" LENGTH.
2. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL TELECOMMUNICATIONS GROUNDING BUSBAR (TGB). TGB SHALL BE PRE-DRILLED COPPER BUSBAR WITH STANDARD NEMA BOLT HOLE SIZING AND SPACING. MINIMUM SIZING SHALL BE ¼" THICK X 4" WIDE X 18" LENGTH.
3. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) TO BUILDING MAIN ELECTRICAL GROUNDING SYSTEM AND BUILDING STEEL. USE CONDUCTOR TABLE TO CALCULATE BCT SIZE. NOTE: THE BCT AND THE TBB SHALL BE THE SAME SIZE BASED UPON THE LARGER CONDUCTOR.
4. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) TO ELECTRICAL PANELS WITHIN THE MDF AND IDF ROOMS. USE CONDUCTOR TABLE TO CALCULATE BCT SIZE.
5. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL BONDING CONDUCTOR TO THE BUILDING STEEL. USE CONDUCTOR TABLE TO CALCULATE CONDUCTOR SIZE.
6. TELECOMMUNICATIONS CONTRACTOR TO PROVIDE AND INSTALL TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR (TEBC) ROUTED ON LADDER RACK TO BOND EACH TELECOMMUNICATIONS RACK OR CABINET TO THE TMGB OR TGB. USE CONDUCTOR TABLE TO CALCULATE CONDUCTOR SIZE. EACH TEBC SHALL BE A CONTINUOUS CONDUCTOR. SPLICE A #6AWG CONDUCTOR USING AN IRREVERSIBLE COMPRESSION OR EXOTHERMAL WELD FROM THE TEBC TO EACH RACK OR CABINET MOUNTED GROUNDING BUSBAR. DAISY CHANNELING FROM ONE RACK OR CABINET TO ANOTHER IS NOT ACCEPTABLE.
7. TELECOMMUNICATIONS CONTRACTOR TO PROVIDE AND INSTALL TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR FROM TMGB OR TGB TO EACH LEVEL OF THE LADDER RACK SYSTEM WITH A #6AWG CONDUCTOR. EACH SECTION OF THE LADDER RACK SYSTEM SHALL BE BONDED TOGETHER WITH CABLE RUNWAY STRAPS.
8. TELECOMMUNICATIONS CONTRACTOR TO PROVIDE AND INSTALL TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR FROM TMGB OR TGB TO EACH EMT CONDUIT USED FOR BACKBONE CABLING WITH A #6 AWG CONDUCTOR. CONDUIT SHALL BE BONDED ON BOTH ENDS.
9. TELECOMMUNICATIONS CONTRACTOR TO PROVIDE AND INSTALL TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR FROM TMGB OR TGB TO EACH METAL JACKET OF THE ARMORED FIBER OPTIC CABLE WITH A #6 AWG CONDUCTOR. METAL JACKET SHALL BE BONDED ON BOTH ENDS.
10. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR FROM TMGB OR TGB TO EACH EMT CONDUIT AND CABLE BASKET TRAY SYSTEM USED FOR DISTRIBUTING HORIZONTAL CABLING. USE CONDUCTOR TABLE TO CALCULATE CONDUCTOR SIZE.
11. IRREVERSIBLE COMPRESSION TYPE CONNECTOR OR EXOTHERMIC WELD.
12. TELECOMMUNICATIONS CONTRACTOR TO PROVIDE AND INSTALL TELECOMMUNICATIONS BONDING CONDUCTOR(TBB) ROUTED IN CONDUIT TO BOND EACH TELECOMMUNICATIONS ROOM TO THE TMGB. USE CONDUCTOR TABLE TO CALCULATE CONDUCTOR SIZE. THE TBB SHALL BE A CONTINUOUS CONDUCTOR.

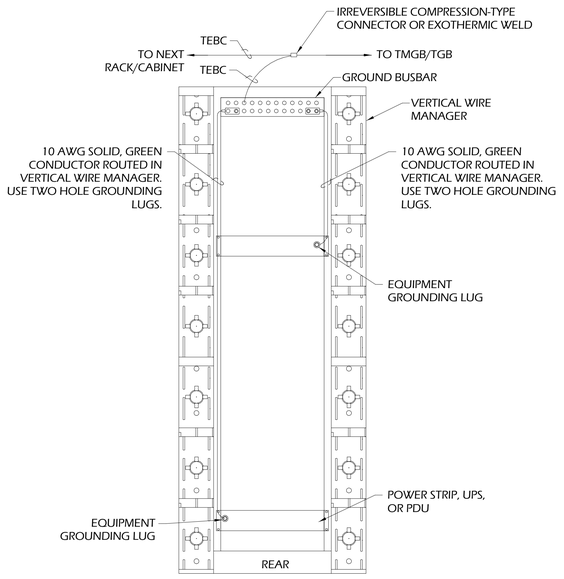




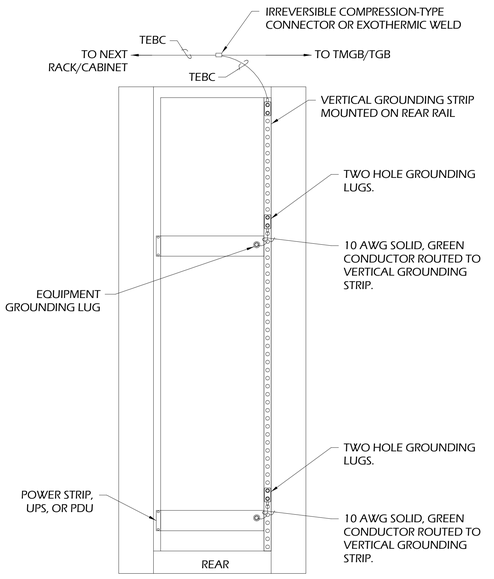


LUG SECTION





FREE STANDING RACK



FREE-STANDING EQUIPMENT CABINET

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

J&A ENGINEERING CONSULTANTS
4994 LOWER ROSWELL ROAD, SUITE ONE
MARIETTA, GEORGIA 30068
PHONE: (770) 817-4220

REVISIONS:
GMP SUBMITTAL

DESIGNED	DRAWN	CHECKED
AJ	MV	JG

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

DETAILS

DRAWING NUMBER

LV-502

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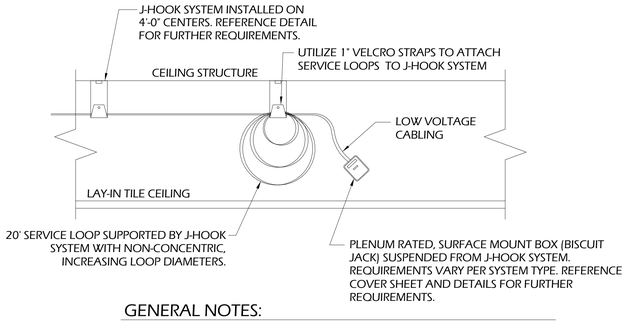
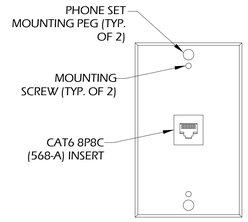


GENERAL NOTES:

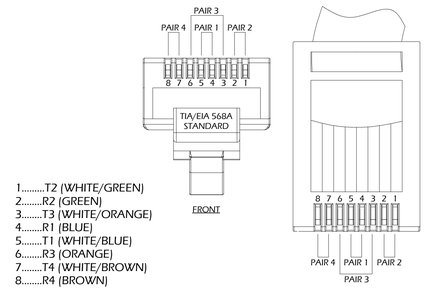
A. BISCUIT JACK SHALL BE PLENUM RATED, DUAL PORT, CATEGORY 6A TYPE FOR ALL WIRELESS ACCESS POINT LOCATIONS.

B. BISCUIT JACK SHALL BE PLENUM RATED, SINGLE PORT, CATEGORY 6A TYPE FOR ALL VIDEO SURVEILLANCE CAMERA LOCATIONS.

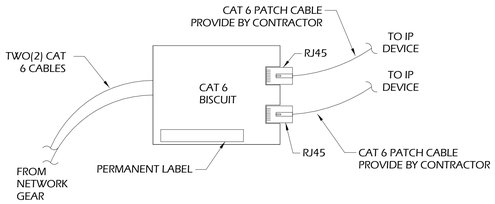
DETAIL 1 NOT TO SCALE — SUSPENDED BISCUIT JACK



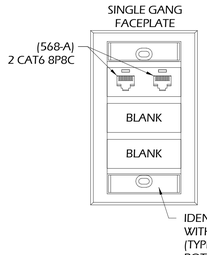
DETAIL 2 NOT TO SCALE — WALL PHONE WITH MOUNTING PEGS



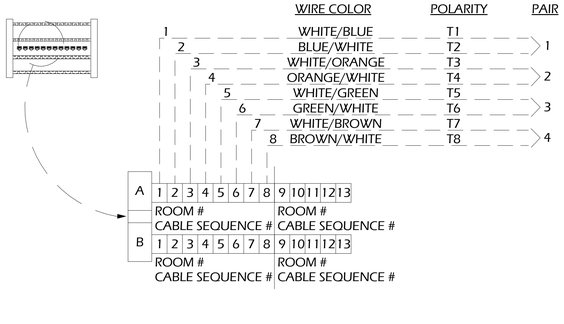
DETAIL 3 NOT TO SCALE — RJ45 JACK TERMINATION - 568A



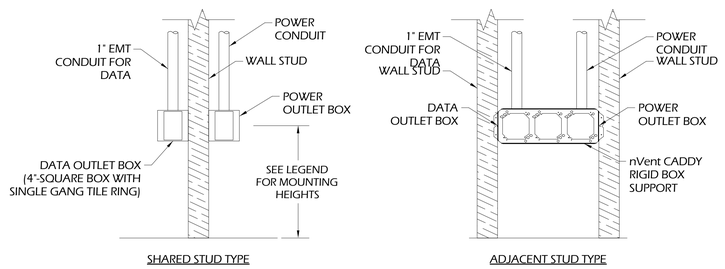
DETAIL 4 NOT TO SCALE — WIRELESS ACCESS POINT TYPICAL ETHERNET BISCUIT



DETAIL 5 NOT TO SCALE — TYPICAL 2-PORT OUTLET



DETAIL 6 NOT TO SCALE — TYPICAL VOICE PUNCHDOWN BLOCK INSTALLATION DETAIL



GENERAL NOTES:

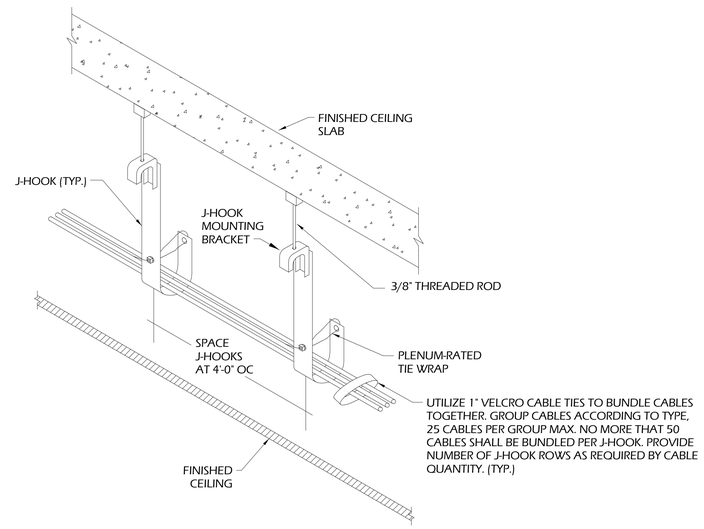
A. ALL DATA OUTLETS TO BE COORDINATED WITH ELECTRICAL POWER LOCATIONS. DATA OUTLETS SHALL BE MOUNTED ADJACENT TO POWER RECEPTACLES AT SAME HEIGHT.

B. DATA OUTLET SHALL EITHER BE MOUNTED ON OPPOSITE SIDE OF SHARED STUD AS POWER OR DATA SHALL BE MOUNTED ON ADJACENT STUD TO POWER IN SAME WALL CAVITY.

C. TYPICAL DATA OUTLET HEIGHT SHALL BE 18", UNLESS OTHERWISE NOTED.COORDINATE EXACT MOUNTING HEIGHTS AND ORIENTATION WITH ELECTRICAL AND ARCHITECTURAL PLAN.

D. CONTRACTOR TO VERIFY ALL DATA OUTLETS TO BE PROVIDED WITH ADJACENT POWER RECEPTACLE. SUBMIT RFI IF CONDITION DOES NOT EXIST.

DETAILS N.T.S. 7 — TYPICAL DATA OUTLET INSTALLATION REQUIREMENTS



DETAIL N.T.S. 8 — ACCESSIBLE CEILING CABLE INSTALLATION DETAIL

J&A ENGINEERING CONSULTANTS
4994 LOWER ROSWELL ROAD, SUITE ONE
MARIETTA, GEORGIA 30068
PHONE: (770) 817-4220

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS: △ GMP SUBMITTAL

DESIGNED	DRAWN	CHECKED
AJ	MV	JG

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

DETAILS

DRAWING NUMBER

LV-503

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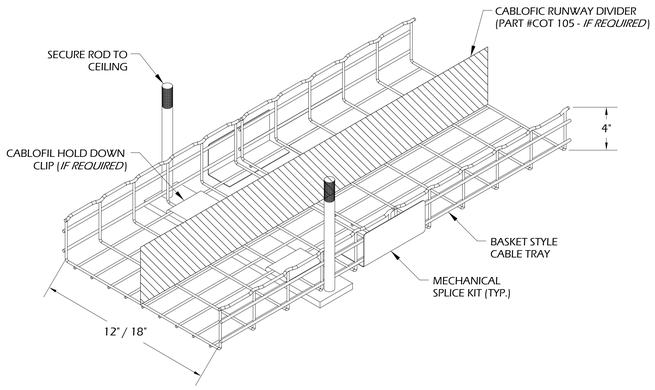


GENERAL NOTES:

A. CONTRACTOR TO UTILIZE REQUIRED MANUFACTURER RADIUS DROPS FOR TRANSITIONING HORIZONTAL ROUTING TO VERTICAL ROUTING OF CABLES.

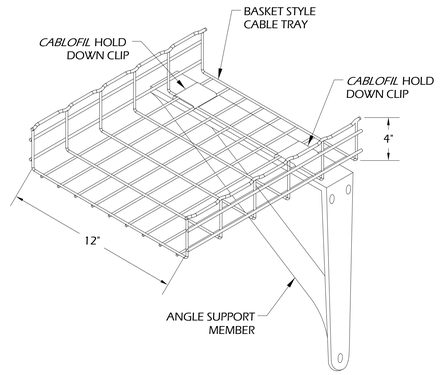
B. CONTRACTOR RESPONSIBLE FOR INSTALLING ALL PARTS AND PIECES NECESSARY FOR CABLE PATHWAY SHOWN ON FLOOR PLAN DRAWINGS.

C. CONTRACTOR TO UTILIZE ALL NECESSARY SUPPORT BRACKETS TO INSURE ADEQUATE SUPPORT. PROVIDE SUPPORT WITHIN 2'-0" OF ALL JUNCTIONS AND ENDS.

D. CONTRACTOR REQUIRED TO PROVIDE ALL SPLICES AND CONNECTORS FOR COMPLETE PATHWAY INSTALLATION.

DETAIL 1 — NOT TO SCALE

CEILING MOUNT TRAPEZE BASKET CABLE TRAY INSTALLATION



GENERAL NOTES:

A. CONTRACTOR TO UTILIZE REQUIRED MANUFACTURER RADIUS DROPS FOR TRANSITIONING HORIZONTAL ROUTING TO VERTICAL ROUTING OF CABLES.

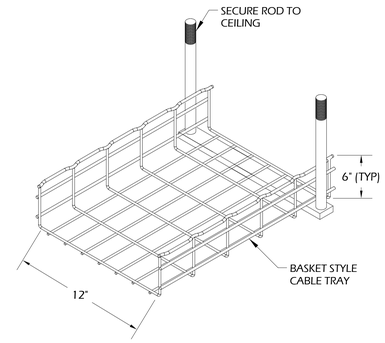
B. CONTRACTOR RESPONSIBLE FOR INSTALLING ALL PARTS AND PIECES NECESSARY FOR CABLE PATHWAY SHOWN ON FLOOR PLAN DRAWINGS.

C. CONTRACTOR TO UTILIZE ALL NECESSARY SUPPORT BRACKETS TO INSURE ADEQUATE SUPPORT. PROVIDE SUPPORT WITHIN 2'-0" OF ALL JUNCTIONS AND ENDS.

D. CONTRACTOR REQUIRED TO PROVIDE ALL SPLICES AND CONNECTORS FOR COMPLETE PATHWAY INSTALLATION.

DETAIL 2 — NOT TO SCALE

WALL MOUNT BASKET CABLE TRAY INSTALLATION



GENERAL NOTES:

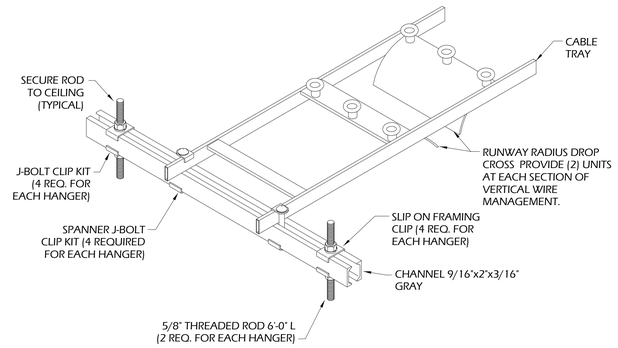
A. CONTRACTOR TO UTILIZE REQUIRED MANUFACTURE RADIUS DROPS FOR TRANSITIONING HORIZONTAL ROUTING TO VERTICAL ROUTING OF CABLES.

B. CONTRACTOR RESPONSIBLE FOR INSTALLING ALL PARTS AND PIECES NECESSARY FOR CABLE PATHWAY SHOWN ON FLOOR PLAN DRAWINGS.

C. CONTRACTOR TO UTILIZE ALL NECESSARY SUPPORT BRACKETS ON 5'-0" SPACING TO INSURE ADEQUATE SUPPORT

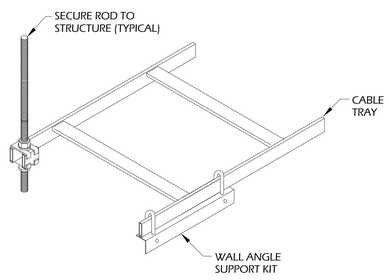
DETAIL 3 — NOT TO SCALE

CEILING MOUNT BASKET CABLE TRAY INSTALLATION



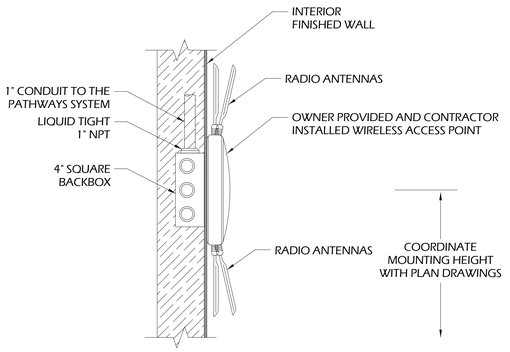
DETAIL 4 — NOT TO SCALE

CEILING MOUNT CABLE TRAY INSTALLATION



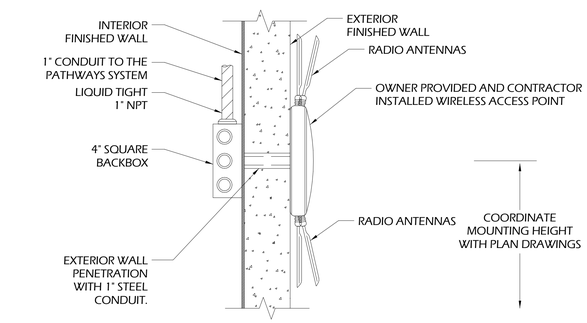
DETAIL 5 — NOT TO SCALE

WALL MOUNT CABLE TRAY INSTALLATION



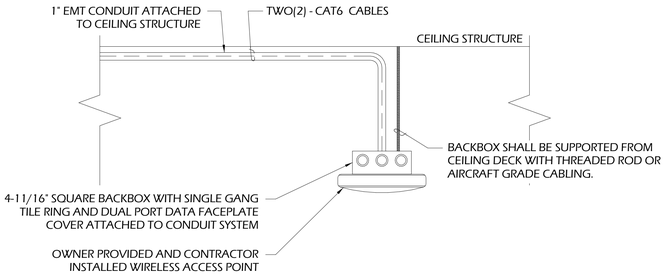
DETAIL 6 — NOT TO SCALE

INTERIOR WALL MOUNT WIRELESS ACCESS POINT



DETAIL 7 — NOT TO SCALE

EXTERIOR WALL MOUNT WIRELESS ACCESS POINT

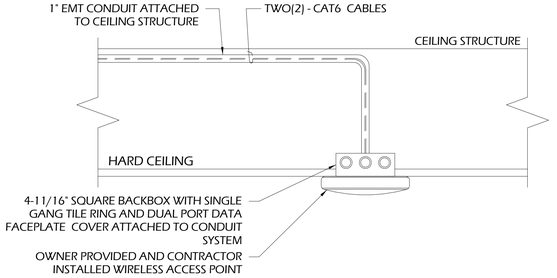


GENERAL NOTES:

A. INSTALL SERVICE LOOP ON J-HOOK SYSTEM IN NEARSET ACCESSIBLE CEILING.

DETAIL 8 — NOT TO SCALE

OPEN CEILING WIRELESS ACCESS POINT



GENERAL NOTES:

A. INSTALL SERVICE LOOP ON J-HOOK SYSTEM IN NEARSET ACCESSIBLE CEILING.

DETAIL 9 — NOT TO SCALE

SURFACE MOUNT (HARD CEILING) WIRELESS ACCESS POINT

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

J&A ENGINEERING CONSULTANTS
4994 LOWER ROSWELL ROAD, SUITE ONE
MARIETTA, GEORGIA 30068
PHONE: (770) 817-4220

REVISIONS: △
GMP SUBMITTAL

DESIGNED	DRAWN	CHECKED
AJ	MV	JG

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

DETAILS

DRAWING NUMBER

LV-504

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GENERAL NOTES

1	ALL LINE VOLTAGE ELECTRICITY SHALL BE PROVIDED AND INSTALLED BY E.C.
2	ALL VOICE SERVICES, DATA SERVICES, COMPUTER NETWORKING SERVICES AND CABLING FOR SAID SERVICES SHALL BE PROVIDED BY OTHERS.
3	ALL FREE AIR CABLING SHALL BE PLENUM RATED.
4	ALL DEVICE PLATES MOUNTED IN INTERIOR WALL SHALL HAVE A NATURAL ALUMINUM FINISH, U.N.O.
5	ALL DEVICE PLATES MOUNTED INSIDE FLOOR BOXES SHALL HAVE A NATURAL ALUMINUM FINISH, U.N.O.
6	ALL DEVICE PLATES SHALL BE STANDARD SIZE U.N.O.

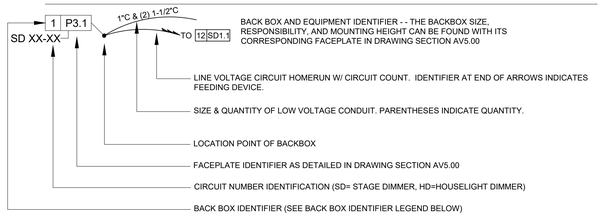
SYMBOL LEGEND

XXXXXX	EQUIPMENT IDENTIFIER
1"C & (2) 1-1/2"C	EMPTY LOW VOLTAGE CONDUIT WITH PULL STRING. E.C. TO PROVIDE SIZE & QUANTITY INDICATED. CONDUIT TO BE (1) 1"C IF NO NOTATION GIVEN. LINE DOES NOT IMPLY HOW CONDUIT IS TO BE ROUTED. ROUTE CONDUIT AS REQUIRED IN FIELD.
IG	E.C. SUPPLIED CIRCUIT(S). ARROWS DENOTE QUANTITY OF CIRCUITS. CROSSMARKS INDICATE QUANTITY OF CONDUCTORS PER CIRCUIT. ALL CONDUCTORS TO BE 20A 120VAC CONDUCTORS UNLESS NOTED OTHERWISE. ALL RUNS TO INCLUDE GROUNDING CONDUCTOR WHICH IS NOT INCLUDED IN THE CROSSMARKS. RUNS DEVOID OF CROSSMARKS ARE TO CONTAIN (2) 20A 120VAC CONDUCTORS & (1) GROUNDING CONDUCTOR UNLESS NOTED OTHERWISE. "IG" INDICATES ISOLATED GROUNDING CONDUCTOR.
PB	PULL BOX SUPPLIED BY E.C. SIZE AS REQUIRED. LOCATE BOX IN ACCESSIBLE AREA.
	CONDUIT STUBBED INTO ACCESSIBLE SPACE ABOVE CEILING IN ROOM WHERE SYMBOL IS SHOWN, UNO
	WALL-MOUNTED 20A/120V DUPLEX RECEPTACLE ON DEDICATED 20A CIRCUIT
	CEILING MOUNTED 20A/120V DUPLEX RECEPTACLE ON DEDICATED 20A CIRCUIT
	20A/120VAC DUPLEX RECEPTACLE ON DEDICATED 20A CIRCUIT MOUNTED IN FLOOR BOX
IG	WALL-MOUNTED 20A/120V DUPLEX RECEPTACLE ON DEDICATED 20A CIRCUIT WITH ISOLATED GROUND ON DEDICATED 20A CIRCUIT
IG	CEILING MOUNTED 20A/120V DUPLEX RECEPTACLE ON DEDICATED 20A CIRCUIT WITH ISOLATED GROUND ON DEDICATED 20A CIRCUIT
IG	20A/120VAC DUPLEX RECEPTACLE ON DEDICATED 20A CIRCUIT WITH ISOLATED GROUND MOUNTED IN FLOOR BOX ON DEDICATED 20A CIRCUIT
	RADIO FREQUENCY TRANSMISSION SYSTEM
XX	SHEET KEYNOTE IDENTIFIER. SEE SHEET KEYNOTE WITH CORRESPONDING NUMBER "XX". NOTES CAN BE FOUND IN THE SHEET KEYNOTES TABLE ON PAGE WHERE IDENTIFIER APPEARS.
x#	WALL MOUNTED DATA DROP BY OTHERS. QUANTITY SHOWN AS NEEDED.
x#	DATA DROP MOUNTED IN FLOOR BOX BY OTHERS. QUANTITY SHOWN AS NEEDED

ABBREVIATIONS

AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AV	AUDIO VISUAL
BLW CLG	BELOW CEILING
BOS	BOTTOM OF STEEL
CKT	CIRCUIT
EC	ELECTRICAL CONTRACTOR
IR	INFRARED
MC	METAL-CLAD
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PROSC	PROSCENIUM
PSC	PRESENTATION SYSTEMS CONTRACTOR
RCP	REFLECTED CEILING PLAN
SL	STAGE LEFT
SR	STAGE RIGHT
UNO	UNLESS NOTED OTHERWISE
VAC	VOLTS-ALTERNATING CURRENT

CONVENTIONS



BACK BOX IDENTIFIER LEGEND

01	SINGLE GANG BACK BOX - MINIMUM DEPTH 3"
02	TWO GANG BACK BOX - MINIMUM DEPTH 3"
03	THREE GANG BACK BOX - MINIMUM DEPTH 3"
04	FOUR GANG BACK BOX - MINIMUM DEPTH 3"
05	CUSTOM BACK BOX - SEE DETAIL
06	HOFFMAN 8" X 8" X 4" SCREW COVER PULL BOX
07	FLOOR BOX
08	AUDIO LOUDSPEAKER
09	AV EQUIPMENT RACK / LECTERN
10	PROJECTION SCREEN
11	FLAT PANEL DISPLAY
12	LIGHTING DIMMER PANEL
13	PROJECTOR
14	PRODUCTION PANEL
15	PIPE MOUNTED LIGHTING PLUG BOX
16	RECESS MOUNTED LIGHTING PLUG BOX
17	CAMERA
18	COMPANY SWITCH

Sheet List Table

COLLEGE OF COASTAL GA

CENTER FOR THE ARTS

BRUNSWICK, GA

PROJECT #2093

GMP SUBMITTAL - NOT FOR CONTRUCTION

STAGE FRONT
a better place for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.5242

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS: Δ

DESIGNED AS	DRAWN AS	CHECKED AD

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

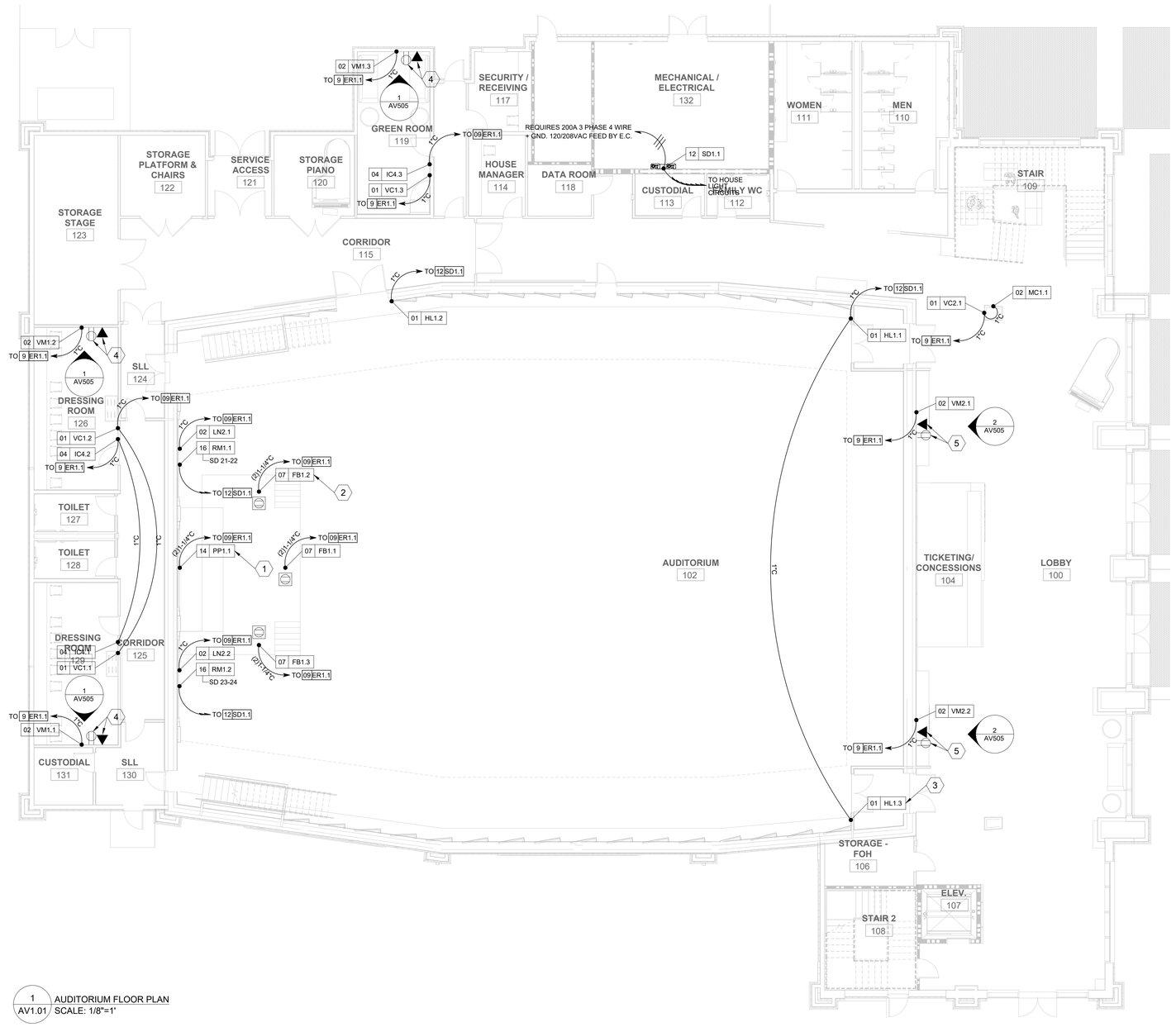
LEGEND

DRAWING NUMBER

AV0.01

SHEET KEY NOTES

1.	10" X 10" WALL MOUNTED PRODUCTION PANEL. REQUIRES 8" X 8" X 4" BACK BOX MOUNTED FLUSH IN WALL 18" A.F.F.
2.	FSR FL-500P FLOOR BOX MOUNTED FLUSH IN STAGE FLOOR. REQUIRES 15A 120VAC CIRCUIT ON DUPLEX RECEPTACLE BY E.C.
3.	HOUSE LIGHT CONTROL ENTRY STATION - REQUIRES 1-GANG BACK BOX MOUNTED FLUSH IN WALL 48" A.F.F.
4.	DISTRIBUTED VIDEO MONITOR POWER AND DATA - (QTY. OF 1) 20A 120VAC CIRCUIT ON DUPLEX RECEPTACLE MOUNTED ON WALL 72" A.F.F. BY E.C. REQUIRES ADJACENT DATA CONNECTION AT SAME ELEVATION.
5.	LOBBY VIDEO MONITOR POWER AND DATA - (QTY. OF 1) 20A 120VAC CIRCUIT ON DUPLEX RECEPTACLE MOUNTED ON WALL 86" A.F.F. BY E.C. REQUIRES ADJACENT DATA CONNECTION AT SAME ELEVATION.



1 AV1.01 AUDITORIUM FLOOR PLAN
SCALE: 1/8"=1'

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STAGE FRONT
a beetse plan for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.9242

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

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AS	AS	AD

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

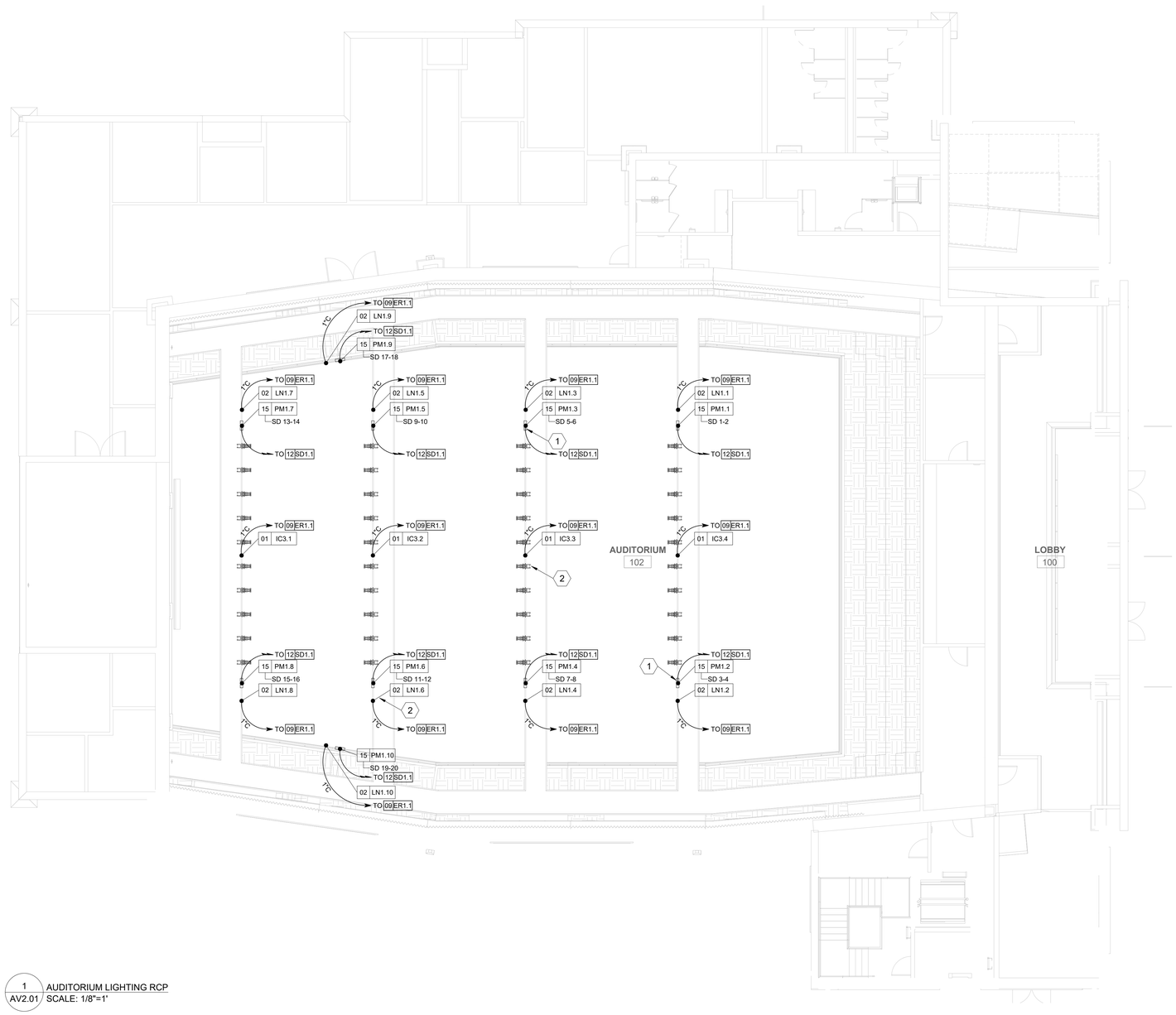
AUDITORIUM FLOOR PLAN

DRAWING NUMBER

AV1.01

SHEET KEY NOTES

1.	PIPE MOUNTED LIGHTING PLUG BOX ATTACHED TO CATWALK RAILING.
2.	PRODUCTION LIGHTING FIXTURE ATTACHED TO CATWALK RAILING. REQUIRES SAFETY CABLE.



1 AV2.01 AUDITORIUM LIGHTING RCP
SCALE: 1/8"=1'

STAGE FRONT
a twelve pixel for AV company
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.9242

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED AS	DRAWN AS	CHECKED AD

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

AUDITORIUM LIGHTING RCP

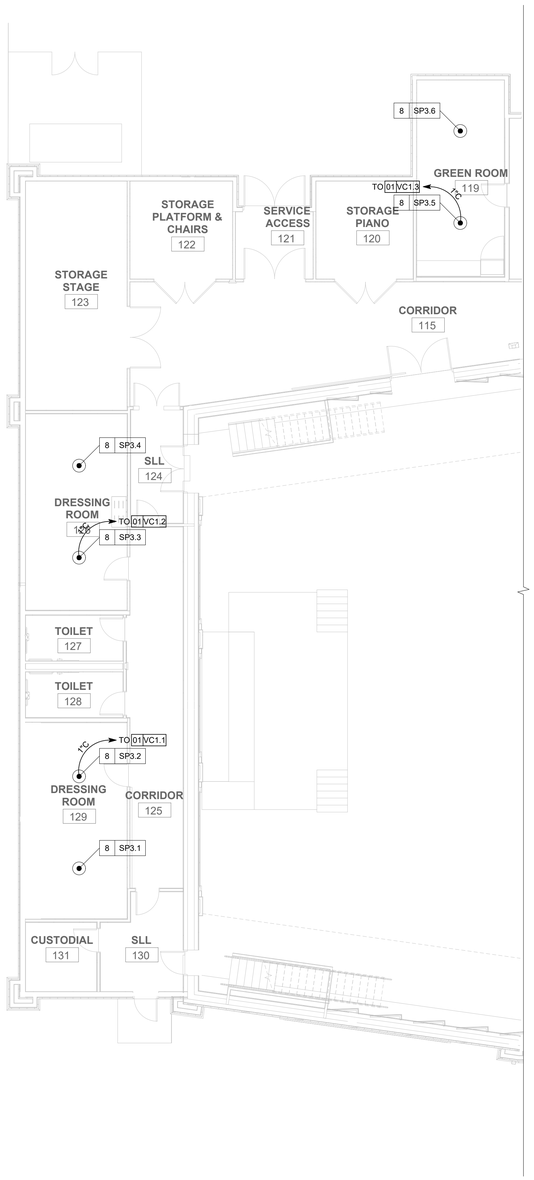
DRAWING NUMBER

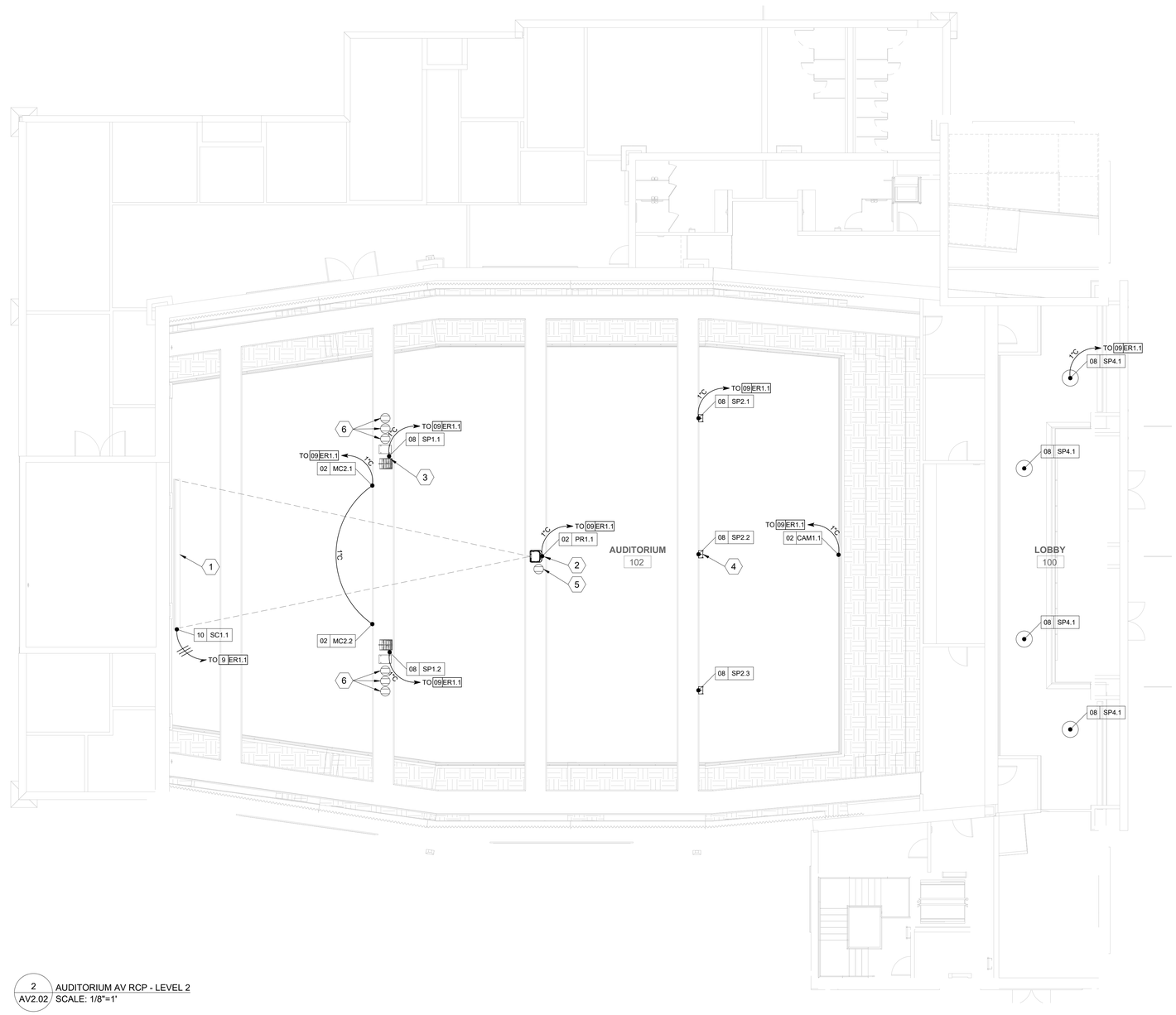
AV2.01

GMP SUBMITTAL - NOT FOR CONTRUCTION

SHEET KEY NOTES

1.	307" DIAGONAL MOTORIZED REAR PROJECTION SCREEN. REQUIRES BLACK CASE AND 5 FT. OF BLACK DROP. LOW VOLTAGE CONTROLLER FOR SCREEN LOCATED IN EQUIPMENT RACK ER1.1.
2.	EPSON EB-PU2220B 20000 LUMEN PROJECTOR. REQUIRES ELPLM10 MIDDLE THROW LENS. THROW DISTANCE RANGE: 53' 2" TO 81' 1".
3.	MAIN LEFT AND RIGHT SPEAKER ARRAY MOUNTED TO CATWALK. PROVIDE RIGGING TO SUPPORT A LOUDSPEAKER CLUSTER WEIGHT LOAD OF ≈ 500 LBS.
4.	BALCONY FILL SPEAKER MOUNTED TO CATWALK. PROVIDE RIGGING TO SUPPORT A LOUDSPEAKER WEIGHT LOAD OF ≈ 50 LBS.
5.	PROJECTOR POWER - (QTY. OF 1) 20A 240VAC CIRCUIT ON NEMA 6-20 RECEPTACLE SURFACE MOUNTED TO BOTTOM OF CATWALK BY E.C.
6.	SPEAKER ARRAY POWER - (QTY. OF 3) 15A 120VAC CIRCUITS ON (3) DUPLEX RECEPTACLES SURFACE MOUNTED TO BOTTOM OF CATWALK BY E.C.





1 AV2.02 AUDITORIUM AV RCP - LEVEL 1
SCALE: 1/8"=1'

2 AV2.02 AUDITORIUM AV RCP - LEVEL 2
SCALE: 1/8"=1'

STAGE FRONT
a better place for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.9242

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JOB NO. 222300701

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BRUNSWICK, GA 31520

AUDITORIUM AV RCP

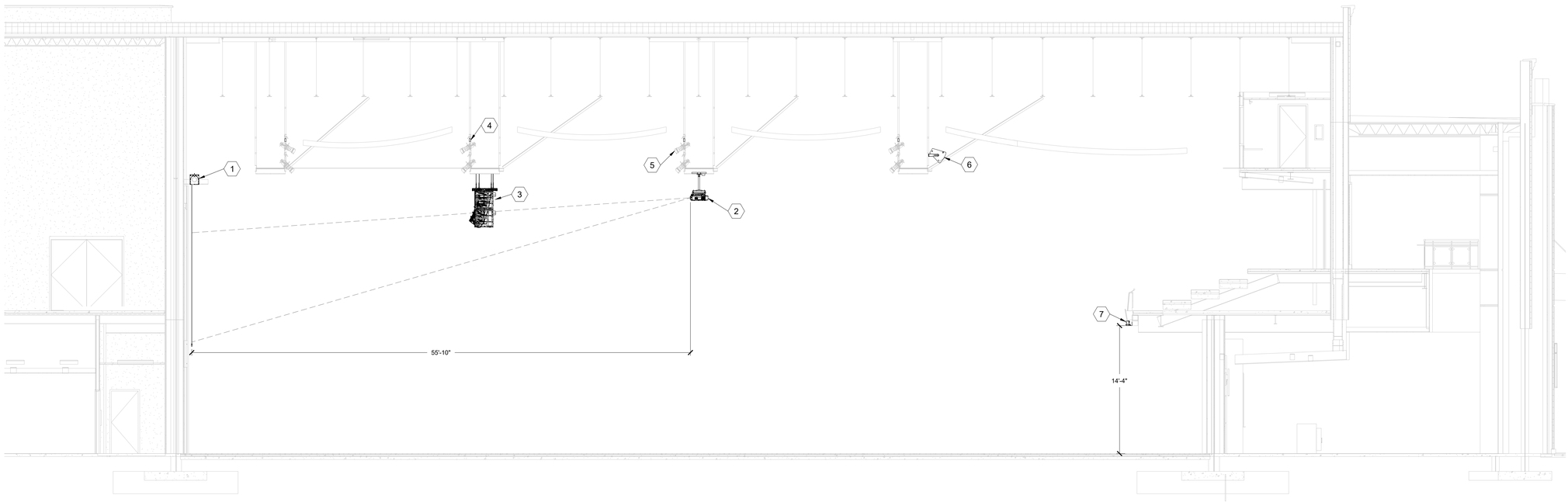
DRAWING NUMBER

AV2.02

GMP SUBMITTAL - NOT FOR CONTRUCTION

SHEET KEY NOTES (XX)

1. 307" DIAGONAL MOTORIZED PROJECTION SCREEN. REQUIRES BLACK CASE AND 5 FT. OF BLACK DROP.
2. EPSON EB-PU2220B 20000 LUMEN PROJECTOR. REQUIRES ELPLM10 MIDDLE THROW LENS. THROW DISTANCE RANGE: 53' 2" TO 81' 1".
3. MAIN LEFT AND RIGHT SPEAKER ARRAY MOUNTED TO CATWALK. PROVIDE RIGGING TO SUPPORT A LOUDSPEAKER CLUSTER WEIGHT LOAD OF = 500 LBS.
4. PIPE MOUNTED LIGHTING PLUG BOX ATTACHED TO CATWALK RAILING.
5. PRODUCTION LIGHTING FIXTURE ATTACHED TO CATWALK RAILING. REQUIRES SAFETY CABLE.
6. BALCONY FILL SPEAKER MOUNTED TO CATWALK. PROVIDE RIGGING TO SUPPORT A LOUDSPEAKER WEIGHT LOAD OF = 50 LBS.
7. WALL MOUNTED PTZ CAMERA - REQUIRES 2-GANG BACK BOX MOUNTED FLUSH IN WALL AT FRONT OF BALCONY 14'-4" A.F.F. BY E.C.



1 AUDITORIUM SECTION
AV3.01 SCALE: 3/16"=1'

STAGE FRONT
a better plan for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.9242

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DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

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AUDITORIUM SECTION

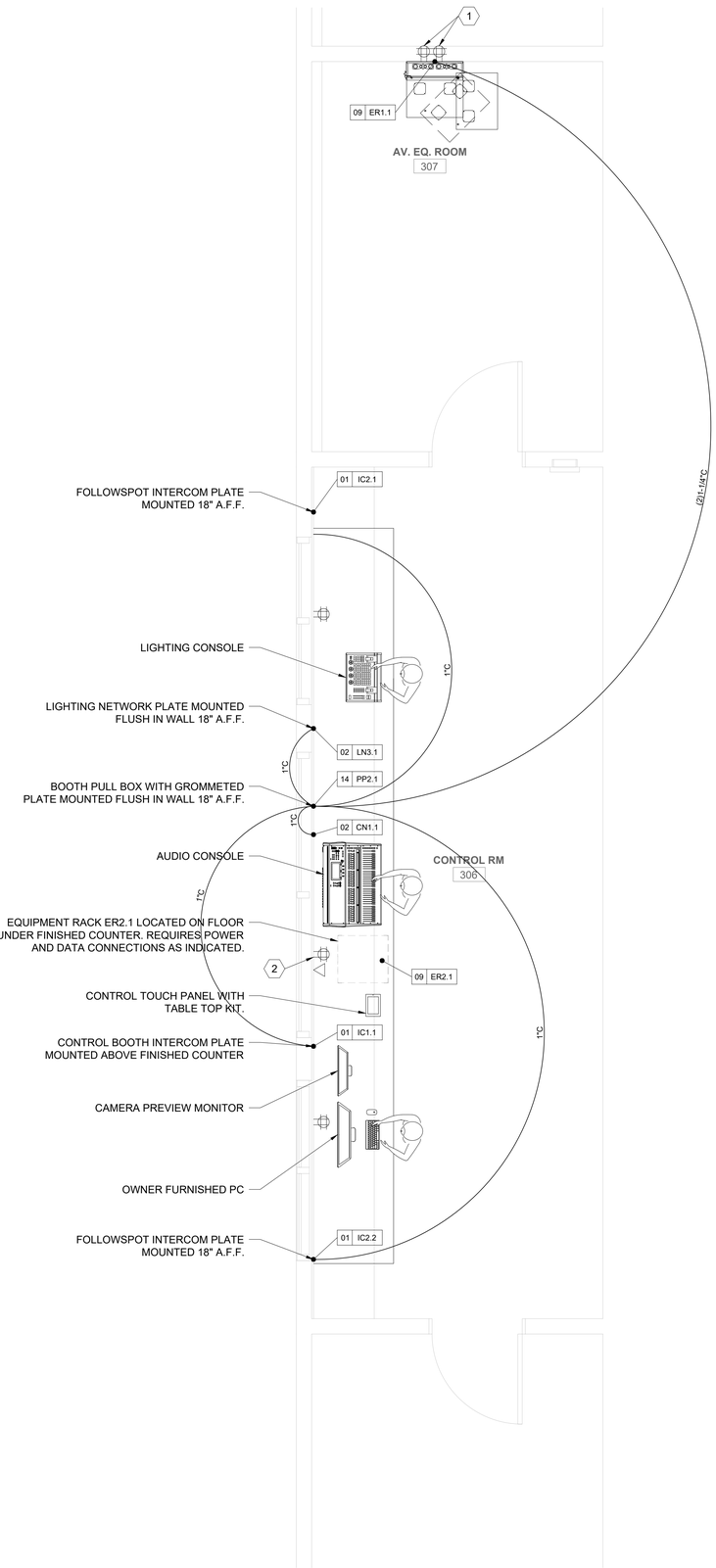
DRAWING NUMBER

AV3.01

GMP SUBMITTAL - NOT FOR CONTRUCTION

SHEET KEY NOTES

1.	(QTY. OF 4) 20A 120VAC CIRCUITS ON (2)QUAD RECEPTACLES MOUNTED IN BACK PLANE OF WALL MOUNTED EQUIPMENT RACK BY E.C.
2.	(QTY. OF 2) 20A 120VAC CIRCUIT ON QUAD RECEPTACLE MOUNTED 18" A.F.F. BEHIND EQUIPMENT RACK BY E.C.



GMP SUBMITTAL - NOT FOR CONTRUCTION

STAGE FRONT
a better plan for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.9242

HUSSEY GAY BELL
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DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
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BRUNSWICK, GA 31520

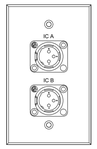
ENLARGED CONTROL BOOTH LAYOUT

DRAWING NUMBER

AV4.01

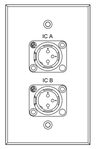
01 VC1.1 THRU 01 VC1.3

ATLAS SOUND AT-100 VOLUME CONTROL PLATE
1-GANG BACK BOX FLUSH MOUNTED 48" A.F.F.
BACKBOX PROVIDED AND INSTALLED BY E.C
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.



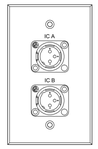
01 IC1.1

CONTROL BOOTH INTERCOM PLATE
1-GANG BACK BOX MOUNTED ABOVE FINISHED COUNTER
BACKBOX PROVIDED AND INSTALLED BY E.C.
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.



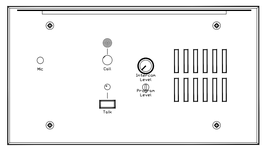
01 IC2.1 THRU 01 IC2.2

FOLLOW SPOT INTERCOM PLATE
1-GANG BACK BOX MOUNTED FLUSH IN WALL 18" A.F.F.
BACKBOX PROVIDED AND INSTALLED BY E.C.
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.



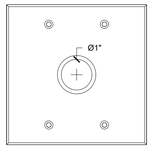
01 IC3.1 THRU 01 IC3.4

CATWALK INTERCOM PLATE
1-GANG BACK BOX SURFACE MOUNTED ON CATWALK RAILING
BACKBOX PROVIDED AND INSTALLED BY E.C.
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.



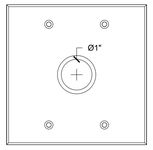
04 IC4.1 THRU 04 IC4.3

CLEAR-COM KB-702GM INTERCOM STATION
4-GANG BACKBOX RECESSED FLUSH 48" A.F.F.
BACK BOX PROVIDED AND INSTALLED BY E.C.
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.



02 VM1.1 THRU 02 VM1.3

DISTRIBUTED VIDEO MONITOR PASS THROUGH PLATE
2-GANG BACK BOX MOUNTED FLUSH IN WALL 72" A.F.F.
BACKBOX PROVIDED AND INSTALLED BY E.C
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.



02 VM2.1 THRU 02 VM2.2

LOBBY VIDEO MONITOR PASS THROUGH PLATE
2-GANG BACK BOX MOUNTED FLUSH IN WALL 86" A.F.F.
BACKBOX PROVIDED AND INSTALLED BY E.C
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.

02 CN1.1

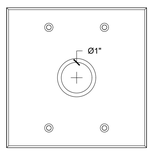
CONTROL BOOTH AV NETWORK PLATE
2-GANG BACK BOX MOUNTED FLUSH IN WALL 18" A.F.F.
BACKBOX PROVIDED AND INSTALLED BY E.C
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.

02 MC1.1

LOBBY MIC PLATE
2-GANG BACK BOX MOUNTED FLUSH IN WALL 18" A.F.F.
BACKBOX PROVIDED AND INSTALLED BY E.C.
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.

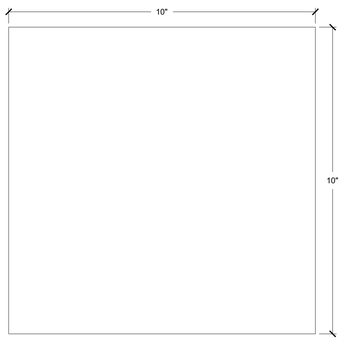
02 MC2.1 THRU 02 MC2.2

CATWALK RECORDING MIC PLATE
2-GANG BACK BOX SURFACE MOUNTED TO CATWALK RAILING
BACKBOX PROVIDED AND INSTALLED BY E.C
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.



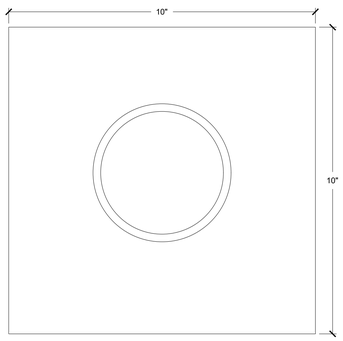
02 CAM1.1

PTZ CAMAERA PASS THROUGH PLATE
2-GANG BACK BOX MOUNTED FLUSH IN WALL 14' 4" A.F.F.
BACKBOX PROVIDED AND INSTALLED BY E.C
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.



14 PP1.1

UP STAGE PRODUCTION PANEL
REQUIRES 8" X 8" X 4" SCREW COVER BOX RECESSED FLUSH ON WALL 18" A.F.F.
BACKBOX PROVIDED AND INSTALLED BY E.C.
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.



14 PP2.1

CONTROL BOOTH PASS THROUGH PLATE
REQUIRES 8" X 8" X 4" SCREW COVER BOX RECESSED FLUSH ON WALL 18" A.F.F.
BACKBOX PROVIDED AND INSTALLED BY E.C.
FACEPLATE PROVIDED AND INSTALLED BY P.S.C.

STAGE FRONT
a twelve point for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.9342

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
AS	AS	AD

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

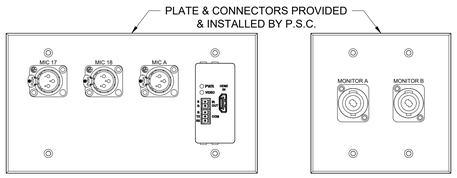
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

PLATE DETAILS

DRAWING NUMBER

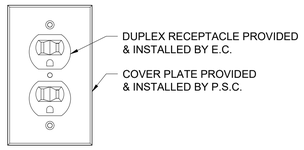
AV5.01

GMP SUBMITTAL - NOT FOR CONTRUCTION

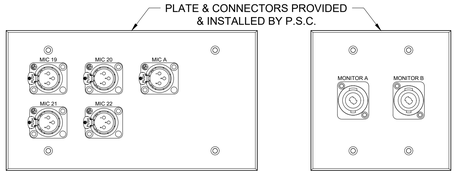


1 / AV502 4-GANG PLATE MTD. IN FLOORBOX 07 FB1.1
SCALE: 6" = 1'

2 / AV502 2-GANG PLATE MTD. IN FLOORBOX 07 FB1.1
SCALE: 6" = 1'

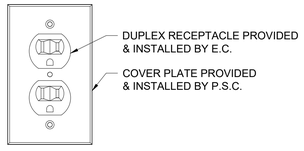


3 / AV502 1-GANG PLATE MTD. IN FLOORBOX 07 FB1.1
SCALE: 6" = 1'

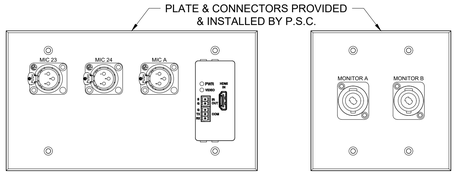


4 / AV502 4-GANG PLATE MTD. IN FLOORBOX 07 FB1.2
SCALE: 6" = 1'

5 / AV502 2-GANG PLATE MTD. IN FLOORBOX 07 FB1.2
SCALE: 6" = 1'

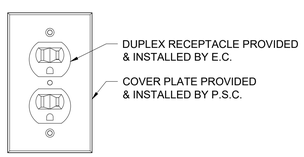


6 / AV502 1-GANG PLATE MTD. IN FLOORBOX 07 FB1.2
SCALE: 6" = 1'

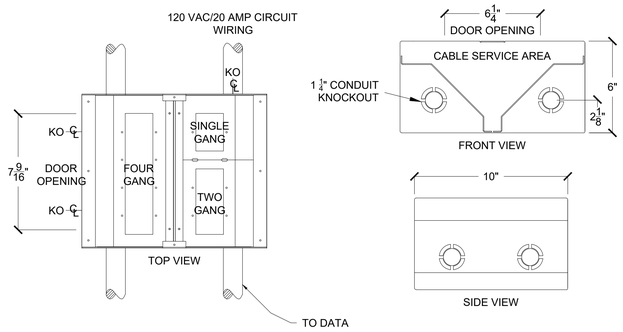


7 / AV502 4-GANG PLATE MTD. IN FLOORBOX 07 FB1.3
SCALE: 6" = 1'

8 / AV502 2-GANG PLATE MTD. IN FLOORBOX 07 FB1.3
SCALE: 6" = 1'



9 / AV502 1-GANG PLATE MTD. IN FLOORBOX 07 FB1.3
SCALE: 6" = 1'



07 FB1.1 THRU 07 FB1.3

FSR FL-500 FLOORBOX
FLOORBOX RECESSED FLUSH ON FLOOR
FLOORBOX PROVIDED BY P.S.C. AND INSTALLED BY E.C.
FACEPLATES PROVIDED AND INSTALLED BY P.S.C.
REQUIRES 20A 120VAC CIRCUIT BY E.C.

10 / AV502 FLOORBOX
SCALE: 3" = 1'

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STAGE FRONT
a twelve pins for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.5242

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

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DATE: 02/26/2024

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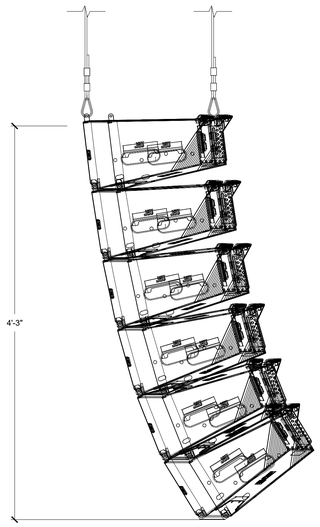
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

FLOOR BOX DETAILS

DRAWING NUMBER

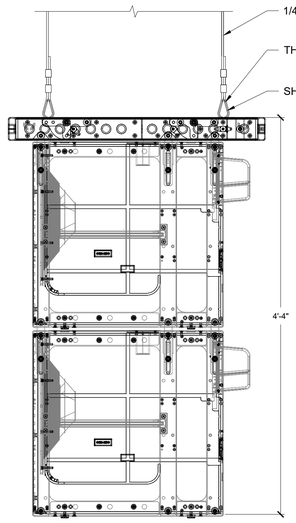
AV5.02



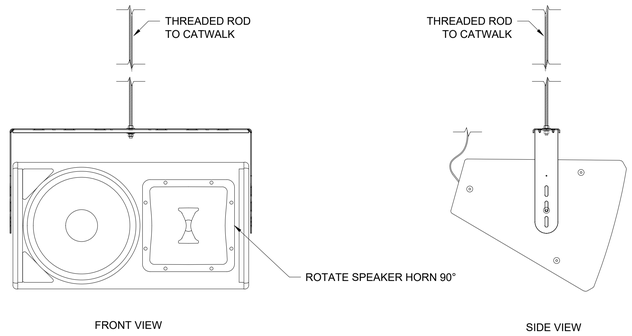
NOTES

1. PROVIDE RIGGING TO CEILING STRUCTURE TO SUPPORT A LOUDSPEAKER CLUSTER WEIGHT LOAD OF ≈ 750 LBS.

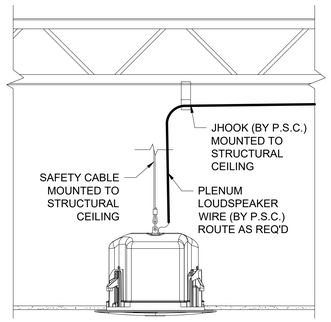
2. ASSEMBLE RIGGING COMPONENTS AND INSTALL PER MANUFACTURER'S INSTRUCTIONS



1 AV5.03 LEFT & RIGHT MAIN LINE ARRAY DETAIL
SCALE: 1-1/2" = 1'



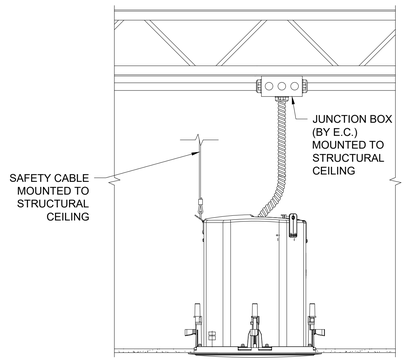
2 AV5.03 BALCONY FILL SPEAKER DETAIL
SCALE: 1-1/2" = 1'



08 SP3.1 THRU 08 SP3.6

JBL CONTROL 26 CEILING SPEAKER
SPEAKER RECESSED FLUSH ON CEILING
SPEAKER PROVIDED AND INSTALLED BY P.S.C.

3 AV5.03 BACK OF HOUSE CEILING SPEAKER DETAIL
SCALE: 2" = 1'



08 SP4.1 THRU 08 SP4.4

JBL CONTROL 47 CEILING SPEAKER
SPEAKER RECESSED FLUSH ON CEILING
SPEAKER PROVIDED AND INSTALLED BY P.S.C.

4 AV5.03 LOBBY CEILING SPEAKER DETAIL
SCALE: 2" = 1'

STAGE FRONT
a bose pro for AV
6 Southern Oaks Drive
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DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

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CENTER FOR THE ARTS
BRUNSWICK, GA 31520

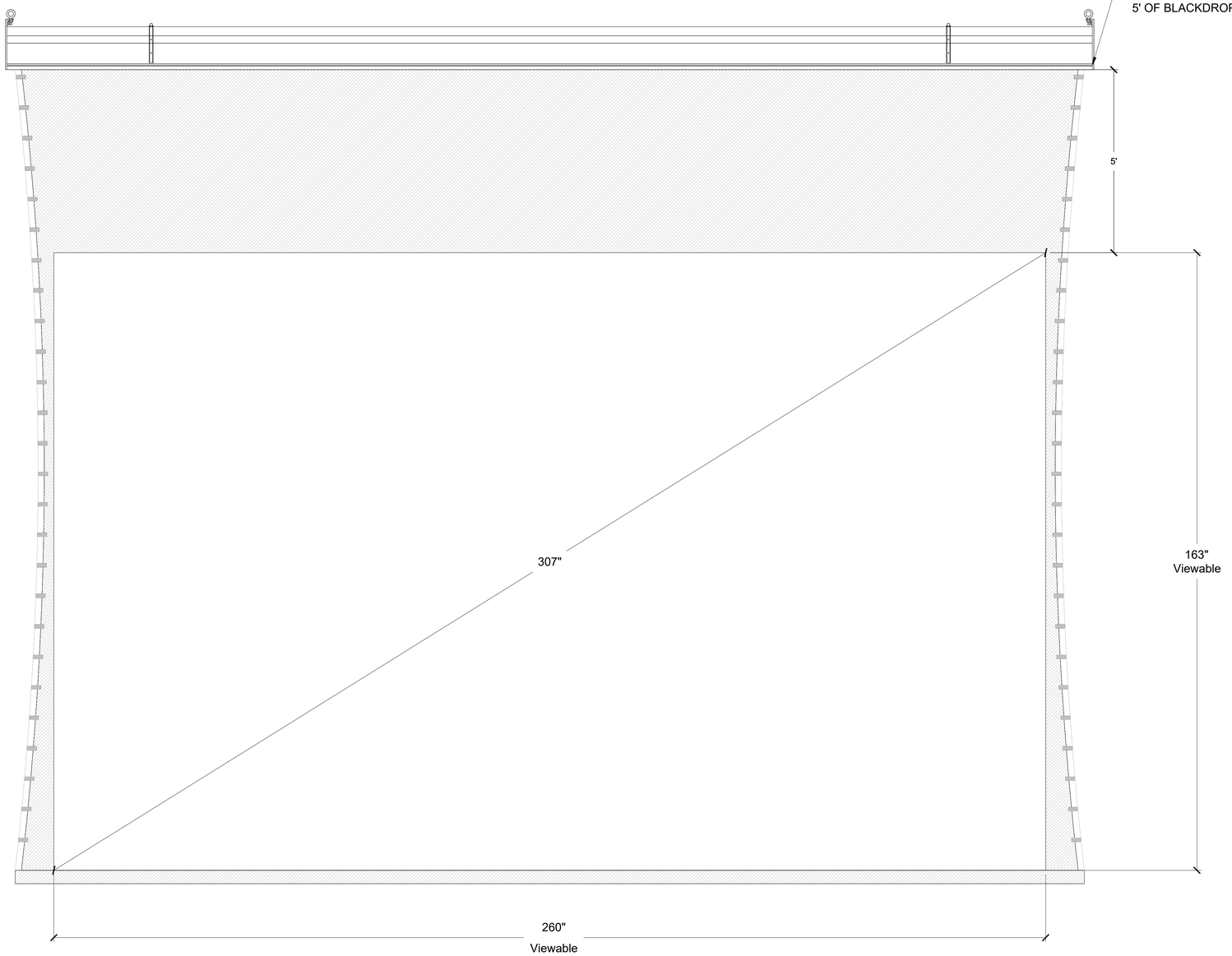
AUDIO DETAILS

DRAWING NUMBER

AV5.03

GMP SUBMITTAL - NOT FOR CONTRUCTION

1 AV5.04 VIDEO PROJECTOR DETAIL
SCALE: 2" = 1'



10 SC1.1

AUDITORIUM PROJECTION SCREEN
PROJECTION SCREEN SUSPENDED FROM CATWALK
PROJECTION SCREEN PROVIDED AND INSTALLED BY P.S.C.
LOW VOLTAGE CONTROLLER MOUNTED IN SCREEN CASING
REQUIRES 5' OF TOTAL BLACK DROP AT TOP OF PROJECTION SCREEN

2 AV5.04 PROJECTION SCREEN DETAIL
SCALE: 3/4" = 1'

STAGE FRONT
a sweetwater for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.5242

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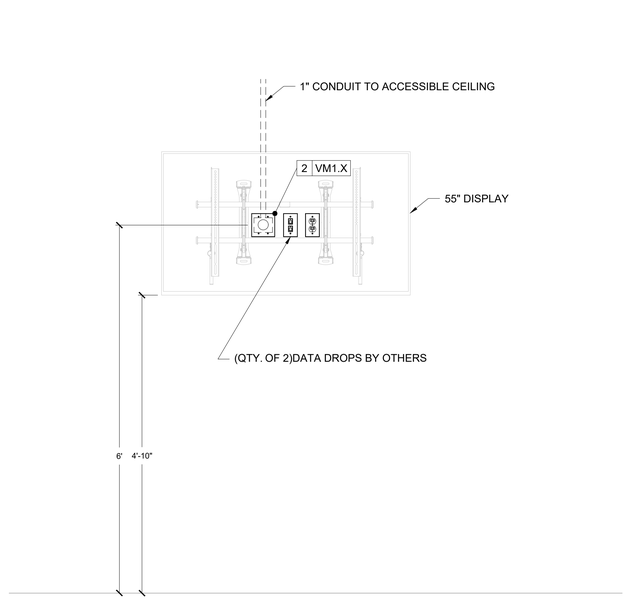
DATE: 02/26/2024
JOB NO. 222300701
SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

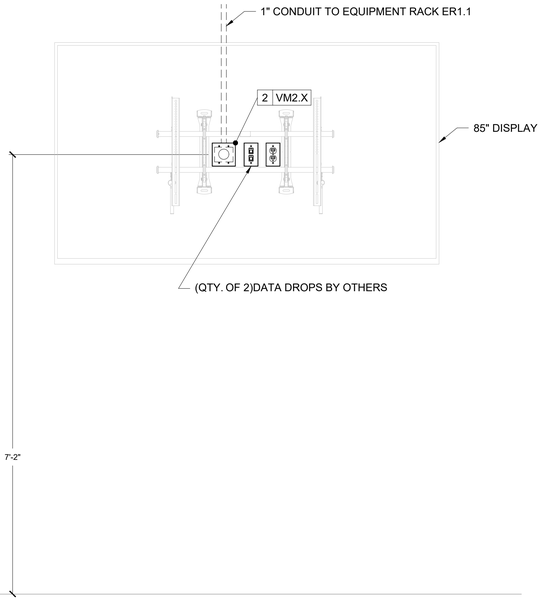
AUDITORIUM VIDEO DETAILS

DRAWING NUMBER
AV5.04

GMP SUBMITTAL - NOT FOR CONTRUCTION



1 AV5.05 TYPE 1 DISPLAY WALL ELEVATION (DISTRIBUTED DISPLAY)
SCALE: 1" = 1'



2 AV5.05 TYPE 2 DISPLAY WALL ELEVATION (LOBBY DISPLAY)
SCALE: 1" = 1'

STAGE FRONT
a better plan for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.9242

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED AS	DRAWN AS	CHECKED AD

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

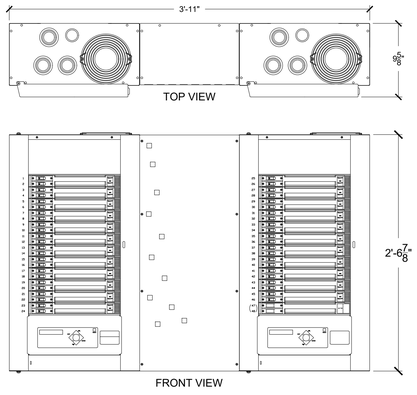
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

DISTRIBUTED VIDEO DETAILS

DRAWING NUMBER

AV5.05

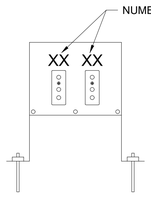
GMP SUBMITTAL - NOT FOR CONTRUCTION



12 SD1.1

LIGHTING DIMMER/RELAY PANEL
PANEL WALL MOUNTED 48" AFF TO CENTER
PANEL PROVIDED BY P.S.C. AND INSTALLED BY E.C.
MODULES PROVIDED AND INSTALLED BY P.S.C.
REQUIRES 200A 3 PHASE 4 WIRE + GND. 120/208VAC FEED BY E.C.

1 / AV5.06 — LIGHTING DIMMER/RELAY PANEL
SCALE: 1-1/2" = 1'



BOX	PROVIDED BY:	INSTALLED BY:	CIRCUITS:	POSITION	LOCATION
15 PM1.1	P.S.C.	E.C.	SD 1-2	FOH	PIPE MOUNTED ON CATWALK
15 PM1.2	P.S.C.	E.C.	SD 3-4	FOH	PIPE MOUNTED ON CATWALK
15 PM1.3	P.S.C.	E.C.	SD 5-6	1ST ELECTRIC	PIPE MOUNTED ON CATWALK
15 PM1.4	P.S.C.	E.C.	SD 7-8	1ST ELECTRIC	PIPE MOUNTED ON CATWALK
15 PM1.5	P.S.C.	E.C.	SD 9-10	2ND ELECTRIC	PIPE MOUNTED ON CATWALK
15 PM1.6	P.S.C.	E.C.	SD 11-12	2ND ELECTRIC	PIPE MOUNTED ON CATWALK
15 PM1.7	P.S.C.	E.C.	SD 13-14	3RD ELECTRIC	PIPE MOUNTED ON CATWALK
15 PM1.8	P.S.C.	E.C.	SD 15-16	3RD ELECTRIC	PIPE MOUNTED ON CATWALK
15 PM1.9	P.S.C.	E.C.	SD 17-18	OVER STAGE	PIPE MOUNTED ON MEZZANINE
15 PM1.10	P.S.C.	E.C.	SD 19-20	OVER STAGE	PIPE MOUNTED ON MEZZANINE

2 / AV5.06 — PIPE MOUNTED LIGHTING PLUG BOX
SCALE: NOT TO SCALE

02 LN1.1 THRU 02 LN1.10

LIGHTING NETWORK CONNECTION PLATE
2-GANG BACK BOX PIPE MOUNTED ON CATWALK AND MEZAZANINE
BACK BOX PROVIDED & INSTALLED BY EC
FACE PLATE PROVIDED & INSTALLED BY PSC

3 / AV5.06 — LIGHTING NETWORK CONNECTION PLATE
SCALE: 1-1/2" = 1'

02 LN2.1 THRU 02 LN2.2

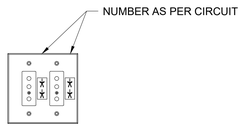
LIGHTING NETWORK CONNECTION PLATE
2-GANG BACK BOX RECESS MOUNTED 18" A.F.F.
BACK BOX PROVIDED & INSTALLED BY EC
FACE PLATE PROVIDED & INSTALLED BY PSC

4 / AV5.06 — LIGHTING NETWORK CONNECTION PLATE
SCALE: 1-1/2" = 1'

02 LN3.1

BOOTH LIGHTING NETWORK CONNECTION PLATE
2-GANG BACK BOX MOUNTED FLUSH IN WALL 18" A.F.F.
BACK BOX PROVIDED & INSTALLED BY EC
FACE PLATE PROVIDED & INSTALLED BY PSC

5 / AV5.06 — LIGHTING NETWORK CONNECTION PLATE
SCALE: 1-1/2" = 1'



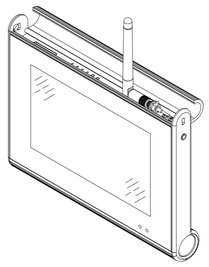
BOX	PROVIDED BY:	INSTALLED BY:	CIRCUITS:	POSITION	LOCATION
16 RM1.1	P.S.C.	E.C.	SD 21-22	UP STAGE STAGE LEFT	MOUNTED 18" A.F.F.
16 RM1.2	P.S.C.	E.C.	SD 23-24	UP STAGE STAGE RIGHT	MOUNTED 18" A.F.F.

6 / AV5.06 — RECESS MOUNTED LIGHTING PLUG BOX
SCALE: NOT TO SCALE

01 HL1.1 THRU 1 HL1.3

HOUSE LIGHTING CONTROL STATIONS
1-GANG BACK BOX MOUNTED FLUSH IN WALL 48" A.F.F.
BACK BOX PROVIDED & INSTALLED BY EC
FACE PLATE PROVIDED & INSTALLED BY PSC

7 / AV5.06 — HOUSE LIGHT PRESET STATION
SCALE: 1-1/2" = 1'



02 LP2.1

ETC PTS7-H PORTABLE LIGHTING TOUCH PANEL
ETC P-LCD-DOCK ON CONTROL BOOTH COUNTER.
CHARGING DOCK PROVIDED & INSTALLED BY PSC
TOUCH PANEL PROVIDED BY PSC

8 / AV5.06 — PORTABLE LIGHTING TOUCH PANEL
SCALE: 1-1/2" = 1'

STAGE FRONT
a twelve pines for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.9242

329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS: Δ

DESIGNED	DRAWN	CHECKED
AS	AS	AD

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

PRODUCTION LIGHTING DETAILS

DRAWING NUMBER

AV5.06

GMP SUBMITTAL - NOT FOR CONTRUCTION

STAGE DIMMER PANEL 12/SD1.1 SCHEDULE

DIMMER CKT#	DIMMER TYPE	SERVES			LOCATION	LOAD (W)
		DEVICE		DEVICE CKT#		
1	RELAY	15	PM1.1	1	FOH LIGHTING (CATWALK)	800
2		15	PM1.1	2	FOH LIGHTING (CATWALK)	800
3	RELAY	15	PM1.2	3	FOH LIGHTING (CATWALK)	800
4		15	PM1.2	4	FOH LIGHTING (CATWALK)	800
5	RELAY	15	PM1.3	5	1ST ELECTRIC (CATWALK)	800
6		15	PM1.3	6	1ST ELECTRIC (CATWALK)	800
7	RELAY	15	PM1.4	7	1ST ELECTRIC (CATWALK)	800
8		15	PM1.4	8	1ST ELECTRIC (CATWALK)	800
9	RELAY	15	PM1.5	9	2ND ELECTRIC (CATWALK)	800
10		15	PM1.5	10	2ND ELECTRIC (CATWALK)	800
11	RELAY	15	PM1.6	11	2ND ELECTRIC (CATWALK)	800
12		15	PM1.6	12	2ND ELECTRIC (CATWALK)	800
13	RELAY	15	PM1.7	13	3RD ELECTRIC (CATWALK)	800
14		15	PM1.7	14	3RD ELECTRIC (CATWALK)	800
15	RELAY	15	PM1.8	15	3RD ELECTRIC (CATWALK)	800
16		15	PM1.8	16	3RD ELECTRIC (CATWALK)	800
17	RELAY	15	PM1.9	17	OVER STAGE (MEZZANINE)	800
18		15	PM1.9	18	OVER STAGE (MEZZANINE)	800
19	RELAY	15	PM1.10	19	OVER STAGE (MEZZANINE)	800
20		15	PM1.10	20	OVER STAGE (MEZZANINE)	800
21	RELAY	16	RM1.1	21	STAGE LEFT WALL POCKET	800
22		16	RM1.2	22	STAGE LEFT WALL POCKET	800
23	RELAY	16	RM1.3	23	STAGE RIGHT WALL POCKET	800
24		16	RM1.4	24	STAGE RIGHT WALL POCKET	800
25	TBD	RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
26		RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
27	TBD	RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
28		RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
29	TBD	RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
30		RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
31	TBD	RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
32		RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
33	TBD	RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
34		RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
35	TBD	RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
36		RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
37	TBD	RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
38		RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
39	TBD	RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
40		RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
41	TBD	RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
42		RESERVED FOR HOUSELIGHTING CIRCUIT - LOAD T.B.D.				
43	AFM	SPARE CIRCUIT				
44		SPARE CIRCUIT				
45	AFM	SPARE CIRCUIT				
46		SPARE CIRCUIT				
47	AFM	SPARE CIRCUIT				
48		SPARE CIRCUIT				

STAGE FRONT
a better plan for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.9242

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
AS	AS	AD

DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

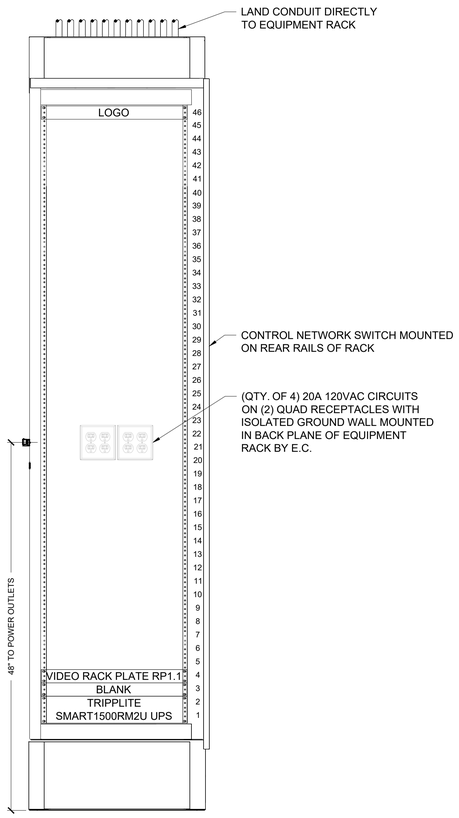
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

DIMMER SCHEDULE

DRAWING NUMBER

AV5.07

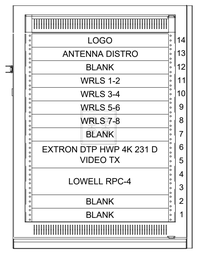
GMP SUBMITTAL - NOT FOR CONTRUCTION



09 ER1.1

AV EQUIPMENT RACK
RACK MOUNTED TO WALL. CONDUIT DIRECTLY TO RACK
EQUIPMENT RACK PROVIDED BY P.S.C. AND INSTALLED BY E.C.
EQUIPMENT PROVIDED AND INSTALLED BY P.S.C.
REQUIRES (4) 20A 120VAC CIRCUITS 0N (2) QUAD RECEPTACLES IN BACK PLANE BY E.C.

1 / AV505 — EQUIPMENT RACK
SCALE: 1-1/2" = 1'



09 ER2.1

CONTROL BOOTH EQUIPMENT RACK
RACK FREE STANDING UNDER FINISHED COUNTER
EQUIPMENT RACK PROVIDED AND INSTALLED BY P.S.C.
EQUIPMENT PROVIDED AND INSTALLED BY P.S.C.
REQUIRES (2) 20A 120VAC DUPLEX RECEPTACLES BEHIND RACK BY E.C.

2 / AV505 — AV SOURCE RACK IN CONTROL BOOTH
SCALE: 1-1/2" = 1'

HUSSEY GAY BELL
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JOB NO. 222300701

SCALE: AS NOTED

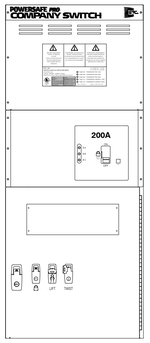
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

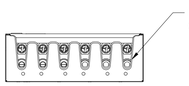
EQUIPMENT RACK DETAILS

DRAWING NUMBER

AV5.08

GMP SUBMITTAL - NOT FOR CONTRUCTION

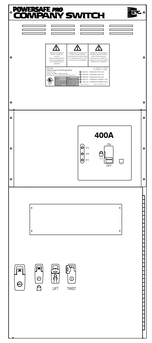


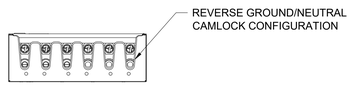


18|CS1.1

ETC POWERSAFE PRO 200A COMPANY SWITCH
MOUNTED TO WALL. CONDUIT DIRECTLY TO ENCLOSURE
COMPANY SWITCH PROVIDED BY P.S.C. AND INSTALLED BY E.C.
REQUIRES (1) 200A 3 PHASE 4 WIRE + GND 120/208VAC FEED BY E.C.

1 AV5.09 COMPANY SWITCH TYPE 1
SCALE: 1-1/2" = 1'

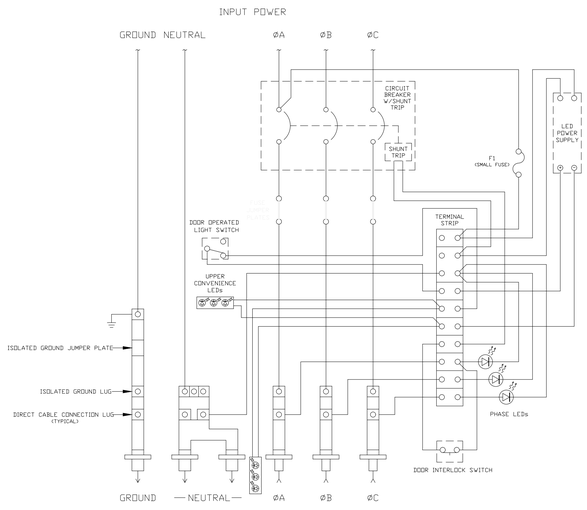




18|CS2.1

ETC POWERSAFE PRO 400A COMPANY SWITCH
MOUNTED TO WALL. CONDUIT DIRECTLY TO ENCLOSURE
COMPANY SWITCH PROVIDED BY P.S.C. AND INSTALLED BY E.C.
REQUIRES (1) 400A 3 PHASE 4 WIRE + GND 120/208VAC FEED BY E.C.

2 AV5.09 COMPANY SWITCH TYPE 2
SCALE: 1-1/2" = 1'



3 AV5.09 COMPANY SWITCH WIRING (TYPICAL)
NONE

STAGE FRONT
a better plan for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
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HUSSEY GAY BELL
Established 1958
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DATE: 02/26/2024

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SCALE: AS NOTED

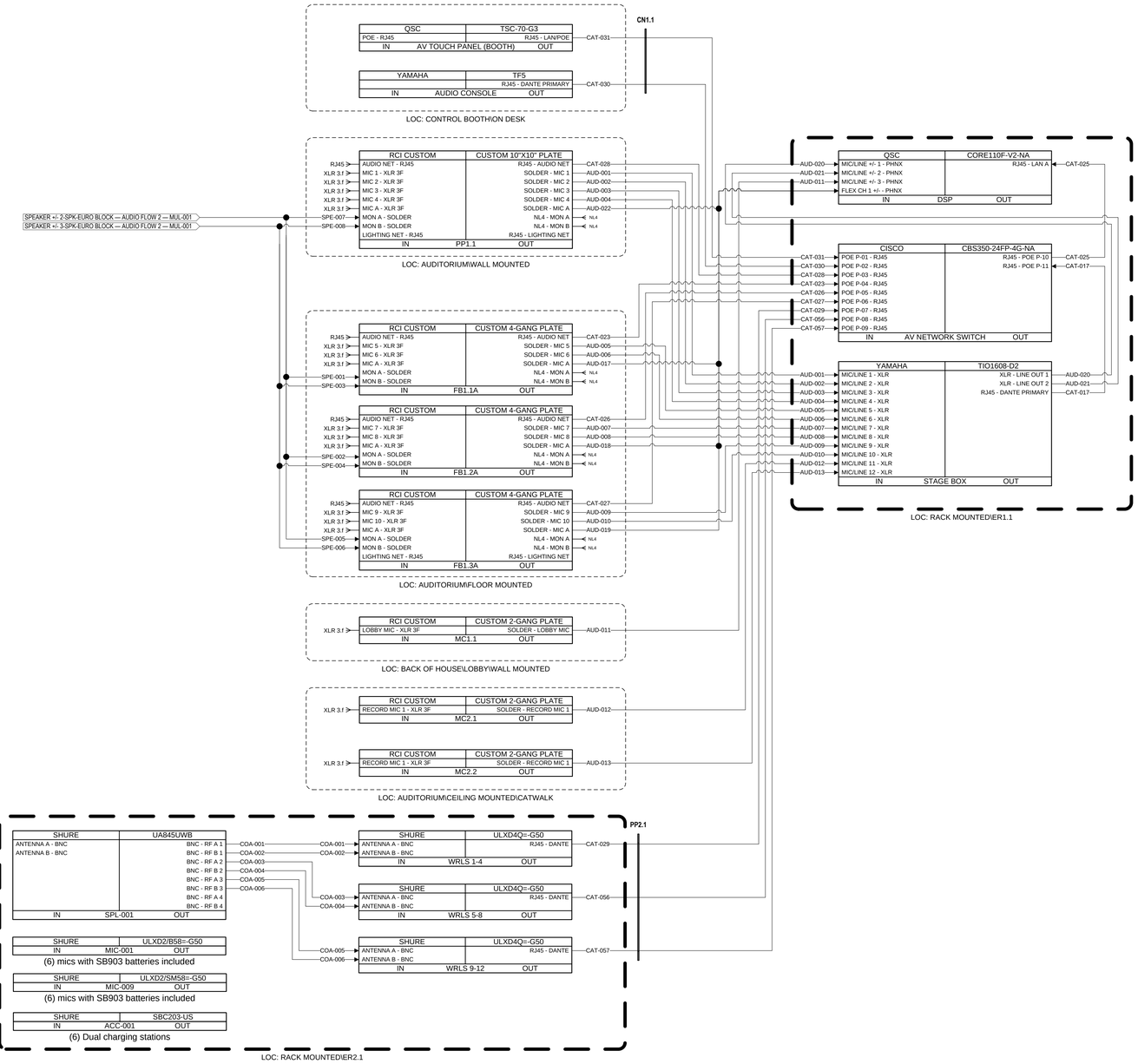
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

COMPANY SWITCH DETAILS

DRAWING NUMBER

AV5.09

GMP SUBMITTAL - NOT FOR CONTRUCTION



STAGE FRONT
a twelve point for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.9242

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

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DATE: 02/26/2024

JOB NO. 222300701

SCALE: AS NOTED

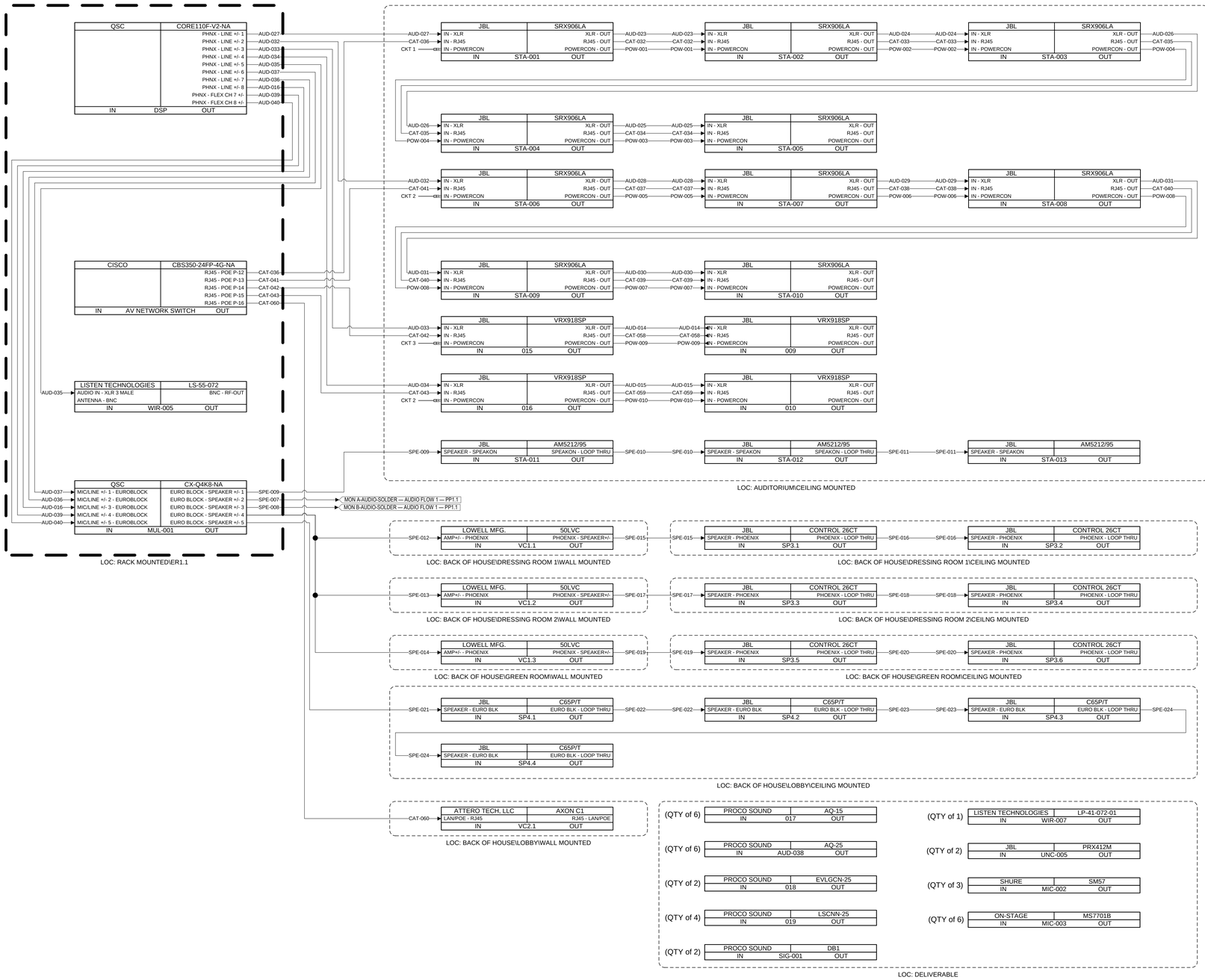
COLLEGE OF COASTAL GEORGIA
CENTER FOR THE ARTS
BRUNSWICK, GA 31520

AUDIO FLOW DIAGRAM 1

DRAWING NUMBER

AV6.01

GMP SUBMITTAL - NOT FOR CONTRUCTION



STAGE FRONT
a better place for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.5242

HUSSEY GAY BELL
Established 1958
329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

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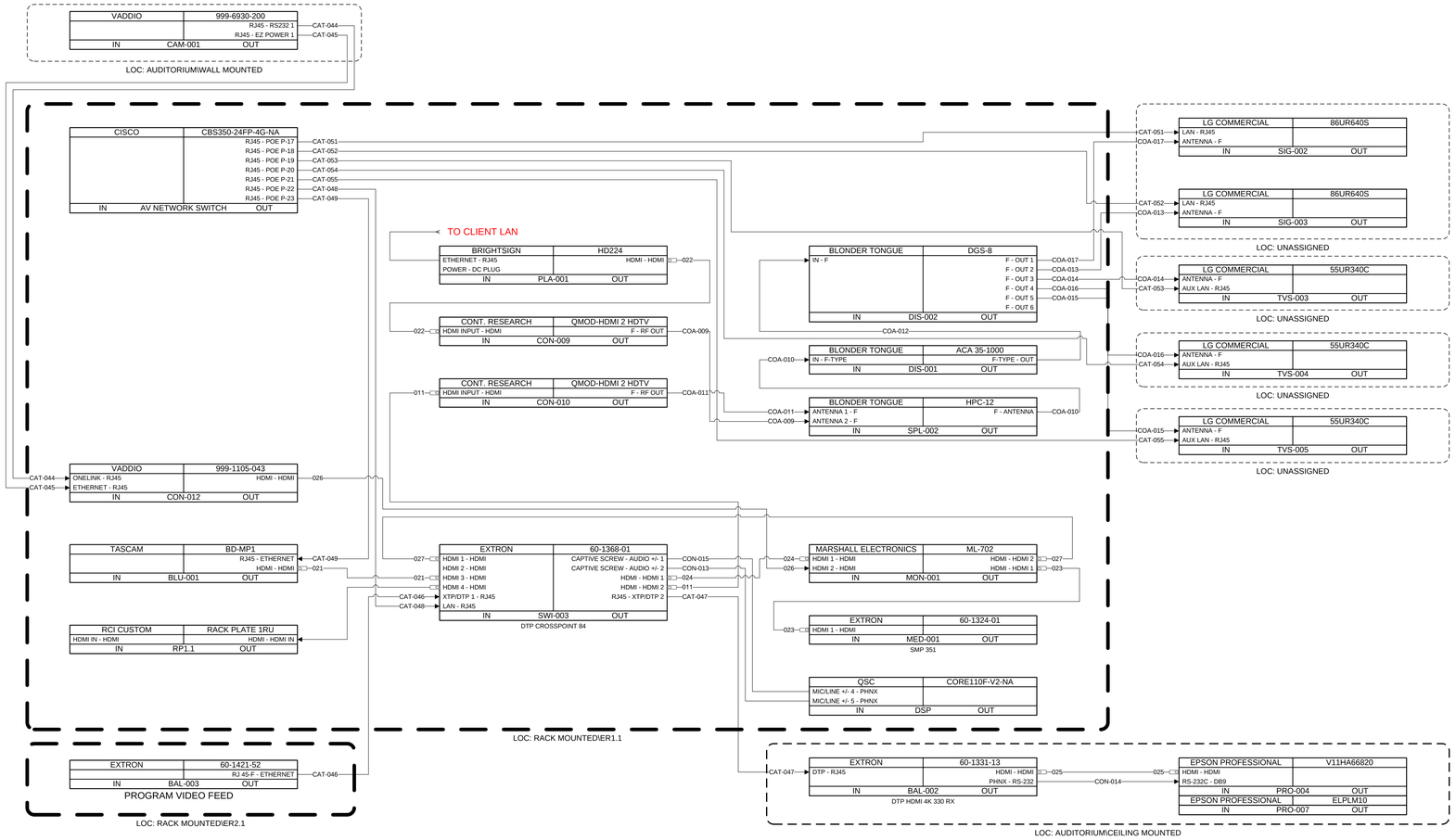
BRUNSWICK, GA 31520

AUDIO FLOW DIAGRAM 2

DRAWING NUMBER

AV6.02

GMP SUBMITTAL - NOT FOR CONTRUCTION



STAGE FRONT
a better plan for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.9242

HUSSEY GAY BELL

Established 1958

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JOB NO. 222300701

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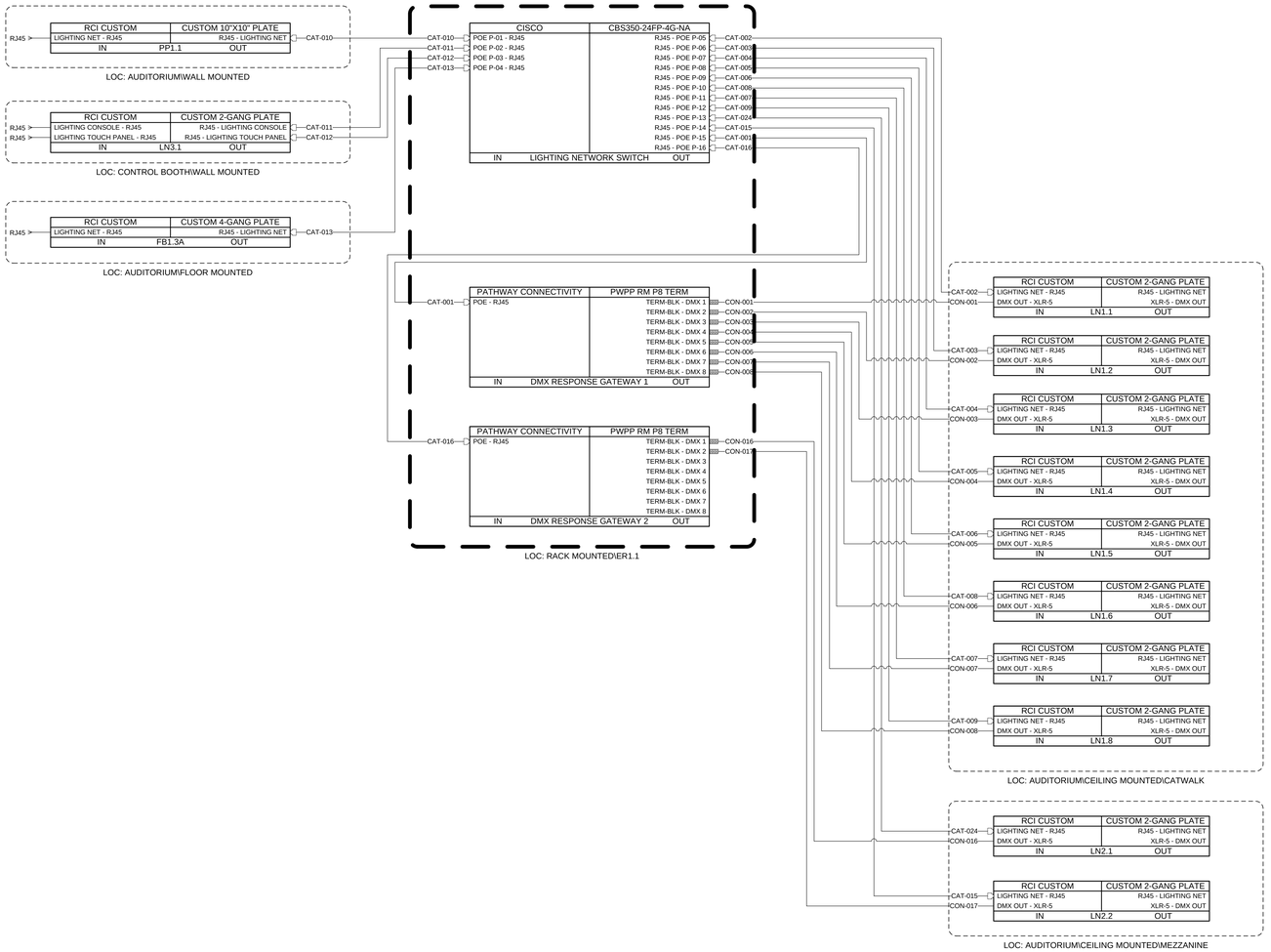
BRUNSWICK, GA 31520

VIDEO FLOW DIAGRAM

DRAWING NUMBER

AV6.03

GMP SUBMITTAL - NOT FOR CONTRUCTION



STAGE FRONT
a twelve pixel for AV
6 Southern Oaks Drive
Savannah, Georgia 31405
800.736.5242

HUSSEY GAY BELL

Established 1958

329 Commercial Drive, Savannah, GA 31406 T: 912.354.4626

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SCALE: AS NOTED

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CENTER FOR THE ARTS
BRUNSWICK, GA 31520

LIGHTING FLOW DIAGRAM

DRAWING NUMBER

AV6.04

GMP SUBMITTAL - NOT FOR CONTRUCTION