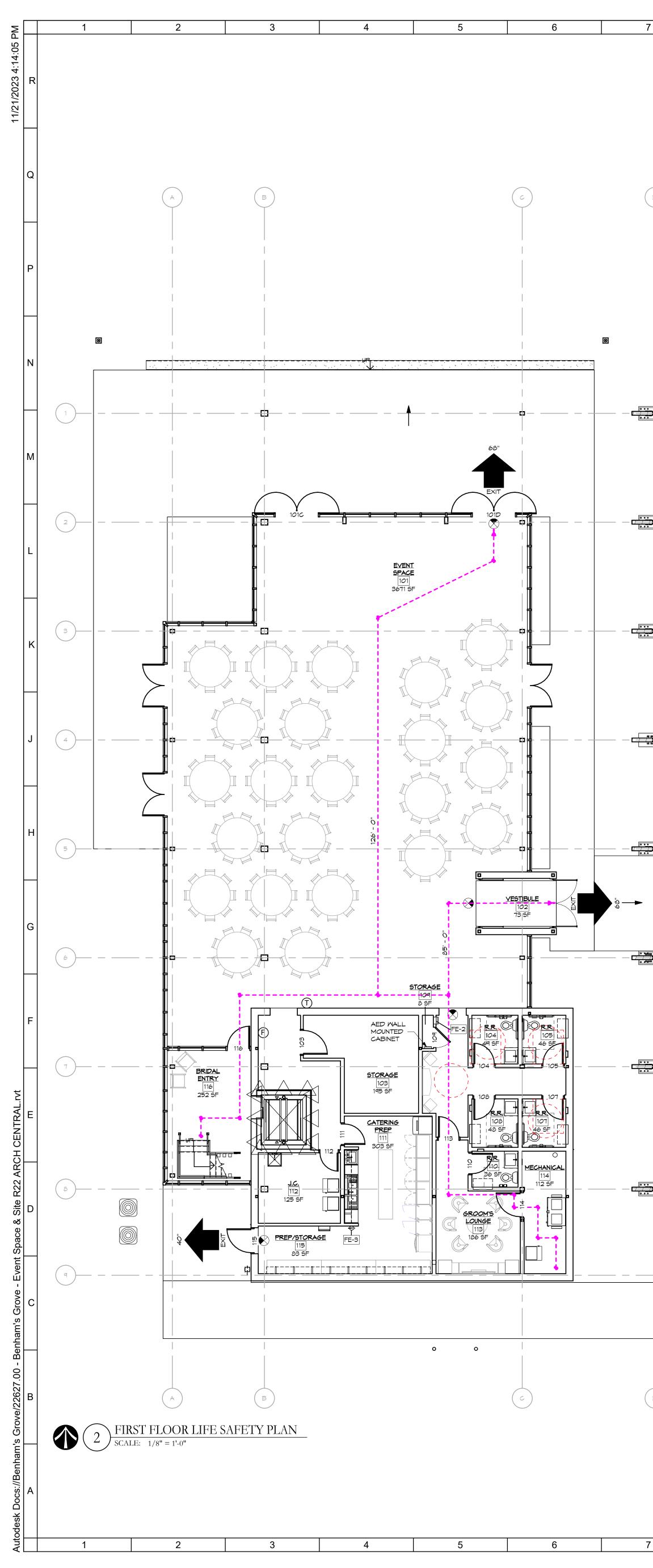


	DRAWING INDEX
SHEET NO.	SHEET NAME
T001	TITLE SHEET
E.G001	EVENT CENTER GENERAL NOTES AND LIFE SAFETY PLAN
<i>G00</i> 1	TYPICAL DETAILS
<i>G00</i> 2	SPECIAL INSPECTION REQUIREMENTS
AS101	SITE PLAN NEW
AS102	ENLARGED SITE PLAN EVENT CENTER & SITE DETAILS
A5103	SITE DETAILS
AS105	IRRIGATION PLANS
C-1.0	GENERAL NOTES
C-1.1	EXISTING CONDITIONS AND DEMO PLAN
C-2.0	SITE PLAN
C-3.0	GRADING PLAN
C-4.0	UTILITY PLAN
C-5.0	DETAILS
C-5 .1	COUNTY DETAILS
C-6.0	STORM WATER POLLUTION PREVENTION PLAN
C-6.1	STORM WATER POLLUTION PREVENTION PLAN DETAILS
C-7.0	STORM WATER MANAGEMENT PLAN
L001	SITE LANDSCAPE PLAN
L002	BASE BID LANDSCAPE PLANS
L003	PARKING LOT ALTERNATE LANDSCAPE PLAN
L004	LANDSCAPE DETAILS

SHEET NO.	SHEET NAME
E.5001	STRUCTURAL NOTES
E.5101	FOUNDATION PLAN
E.5201	FOUNDATION SECTIONS
E.5202	FOUNDATION SECTIONS
E.5301	FRAMING PLANS
E.5302	FRAMING PLANS
E.5401	FRAMING SECTIONS
E.5500	STRUCTURAL ELEVATIONS
E.5600	TYPICAL WOOD, STEEL AND MASONRY DETAILS
E.A001	DOOR SCHEDULES AND DETAILS
E.A002	ALUMINUM FRAMES AND DETAILS
E.A003	ALUMINUM FRAMES AND DETAILS
E.A101	FLOOR PLAN
E.A101.1	DIMENSION FLOOR PLAN
E.A201	REFLECTED CEILING PLAN
E.A301	BUILDING ELEVATIONS
E.A302	BUILDING SECTIONS
E.A303	BUILDING SECTIONS
E.A401	VERTICAL CIRCULATION PLANS, SECTIONS AND DETAILS
E.A501	WALL SECTIONS, DETAILS, AND PLAN DETAILS
E.A502	WALL SECTIONS, DETAILS, AND FLAN DETAILS WALL SECTIONS, DETAILS, AND PLAN DETAILS
E.A502	VALL SECTIONS, DETAILS, AND FEAN DETAILS
E.A601	(1ST FLOOR) ENLARGED RESTROOM PLANS AND ELEVATIONS
E.A602	(151 FLOOR) ENLARGED RESTROOM FLANS AND ELEVATIONS (2ND FLOOR) ENLARGED RESTROOM PLANS AND ELEVATIONS
E.AB02 E.ID001	(2ND FLOOR) ENLARGED RESTROOM FLANS AND ELEVATIONS
E.ID001 E.ID101	FINISH PLANS
E.FS101	FIRE SUPPRESSION PLANS
E.F9101 E.P001	PIRE SUFFRESSION PLANS PLUMBING LEGEND AND GENERAL NOTES
E.P001 E.P002	Plumbing legend and general notes Plumbing schedules & details
	PLUMBING SCHEDULES & DETAILS PLUMBING FLOOR PLANS - FIRST FLOOR
E.P101	
E.P102	PLUMBING FLOOR PLANS - SECOND FLOOR
E.P201	
E.M001	HVAC LEGEND AND GENERAL NOTES
E.M002	
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E.M100	
E.M101	
E.E001	ELECTRICAL LEGEND AND GENERAL NOTES
E.E002	ELECTRICAL EQUIPMENT AND LIGHTING SCHEDULE
E.E100	
E.E101	ELECTRICAL POWER PLAN - FIRST FLOOR
E.E102	ELECTRICAL POWER PLAN - SECOND FLOOR
E.E201	ELECTRICAL LIGHTING PLAN - FIRST FLOOR
E.E202	ELECTRICAL LIGHTING PLAN - SECOND FLOOR
E.E401	PANELBOARD SCHEDULES AND SINGLE LINE DIAGRAM
E.E501	ELECTRICAL DETAILS
E.E502	SITE ELECTRICAL DETAILS

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CIVIL:
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(937) 767-8199		
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	Submissions	Date
434 East First St	reet Dayton, Ol	H 45402 937.223.6500 IN 47374 765.966.3546
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							GAUGE S DOOR W TO MATC INSIDE BO	<u>:</u> ED SEMI-RECESSEI HEET TUB, 20 GAU ITH SAFETY GLASE CH ADJACENT WALI OX DIMENSIONS: 2 TINGUISHER:	GE STEEL HORIZ 5 AND 16 GAUGE LS.	ONTAL DUO-F STEEL FRAMI	PANEL
							PROVIDE 4A 80BC FE-1 = (FI FE-2 = (S	ULLY RECESSED) WALL MOUNTED	. x 20" Н.	-3 3/8" -3 3/8" 	NALL 3 1/2
							MALLS, C CABINETS	E-RESISTANCE-RA ^T DNLY SURFACE-MC 5 OR LISTED FIRE- 5 SHALL BE INSTAL	NUNTED RATED	ROUGH OPE 28" x 13" x ! FINISH FLO	5 1/8"
										D HOUR RATED	FIRE BAR
	1								F	2 HOUR RATED PANIC HARDWA XIT LOCATION 1ANUAL FIRE A	ARE LOCAT
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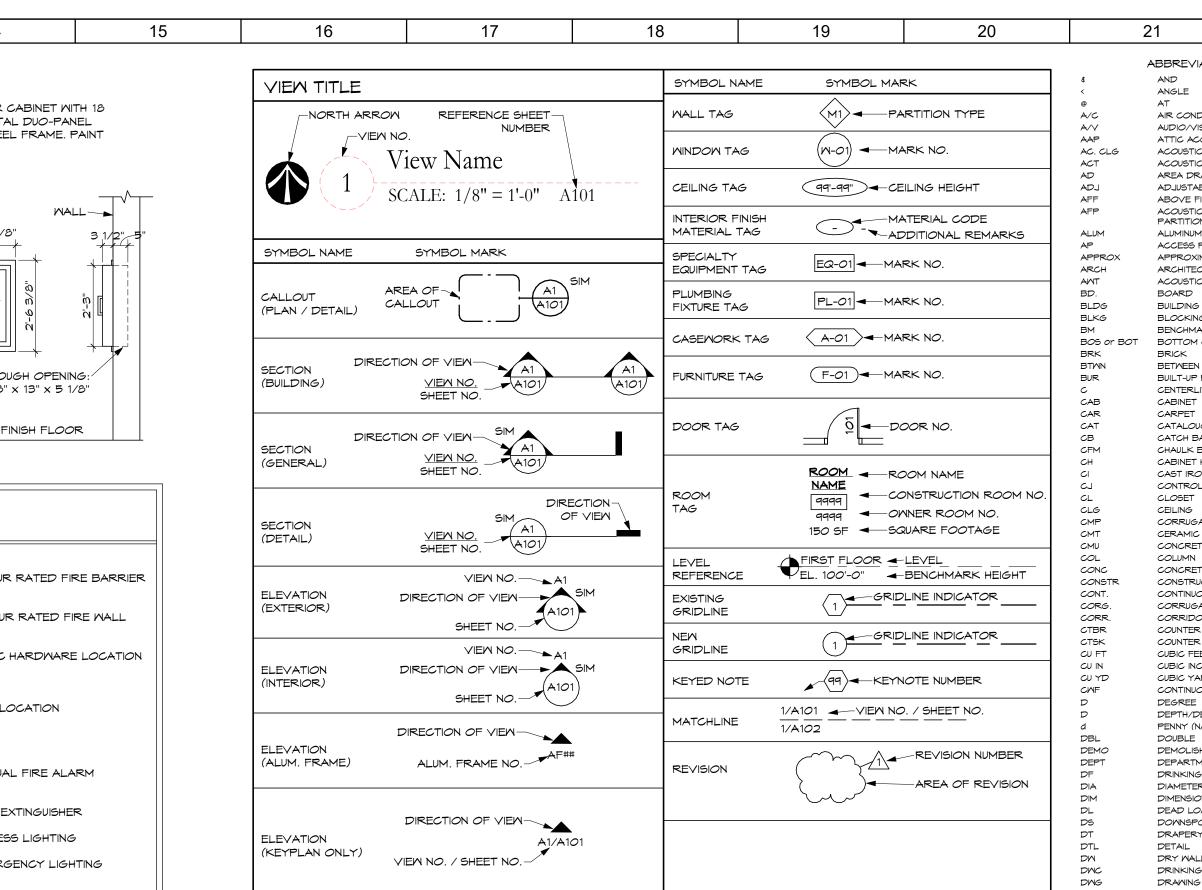
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2017 OHIO BUILDING

PROJECT SUMMARY NEW CONSTRUCTION - BANQUET HALL

Area 6000 SF

CHAF

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CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION NON-SEPARATED MIXED USE

A-3 ASSEMBLY KITCHENS STORAGE AREAS

CONSTRUCTION TYPE VB

CHAPTER 5: HEIGHT AND AREA TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET

A-2 TYPE IIB SPRINKLER - 75' (complies) TABLE 504.4 ALLOWABLE NUMBER OF STORIES

A-2 TYPE IIB SPRINKLER - 3 STORIES (complies) SECTION 505 MEZZANINES & EQUIPMENT PLATFORMS

VIEW NO. / SHEET NO.---

- A MEZZANINE IS LOCATED ABOVE THE BACK OF HOUSE USES SECTION 505.3 EQUIPMENT PLATFORMS SHALL NOT BE CONSIDERED AS A PORTION OF THE FLOOR BELOW
- SECTION 505.3.1 AREA LIMITATION
- THE AREA SHALL NOT BE GREATER THAN TWO THIRDS OF THE AREA OF THE ROOM IN WHICH THEY ARE LOCATED SECTION 505.3.2 AUTOMATIC SPRINKLER SYSTEM SHALL BE FULLY PROTECTED BY SPRINKLERS ABOVE & BELOW - REF. SECTION 903.3 TABLE 506.2 ALLOWABLE AREA FACTOR - PROJECT IS LESS THAN THE MOST RESTRICTIVE BELOW

A-2 TYPE IIB SPRINKLER - ...

PTER	6: TYPES OF CONSTRUCTION	
TABLE	601 FIRE-RESISTANCE RATING REQUIREMENTS FO	R BUILDING ELEMENTS - CONSTRUCTION TYPE IIE
•	PRIMARY STRUCTURAL FRAME:	0 HOURS
•	BEARING WALLS, EXTERIOR:	0 HOURS
•	BEARING WALLS, INTERIOR:	0 HOURS

•	NONBEARING WALLS AND PARTITIONS, EXTERIOR:	0 HOURS
•	NONBEARING WALLS AND PARTITIONS, INTERIOR:	0 HOURS

 FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS: 0 HOURS ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS: 0 HOUR TABLE 602

NO FIRE RATING OF EXTERIOR WALLS REQUIRED DUE TO DISTANCE FROM PROPERTY LINE TABLE 602.2

TYPE IIB, NON-COMBUSTIBLE

CHAPTER 7: FIRE & SMOKE PROTECTION FEATURES TABLE 705.2 PROJECTIONS WITH <30' FIRE SEPARATION DISTANCE

TABLE 705.2.1 TYPE II CONSTRUCTION TABLE 705.8 TYPE II UNLIMITED WALL OPENINGS PERMITTED DUE TO 30' FIRE SEPARATION DISTANCE, UNPROTECTED & SUPPRESSED
 SECTION 705.11 PARAPETS: NOT REQUIRED PER EXCEPTION #1

CHAPTER 8: INTERIOR FINISHES TABLE 803.11, INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

THE FOL	LOWING WALL AND CEILING FINISH REQUIREMENTS SHA	LL BE
PROVID	ED FOR THE PROJECT, WHICH IS FULLY SUPPRESSED:	
ISE GRO	DUP A-2:	
• 1	EXIT ENCLOSURES AND EXIT PASSAGEWAYS	CLASS B
• (CORRIDORS	CLASS B
• 1	ROOM AND ENCLOSED SPACES	CLASS C
ISE GRO	DUP S	
• 1	EXIT ENCLOSURES AND EXIT PASSAGEWAYS	CLASS C
• (CORRIDORS	CLASS C
• 1	ROOM AND ENCLOSED SPACES	CLASS C

SECTION 804 INTERIOR FLOOR FINISH CLASS II FLOOR COVERINGS ARE PERMITTED PER EXCEPTION FOR A BUILDING EQUIPPED THROUGHOUT WITH AN AUTOMATIC SUPPRESSION SYSTEM

CHAPTER 9: FIRE PROTECTION SYSTEMS

AN AUTOMATIC FIRE SUPPRESSION SYSTEM SHALL BE INSTALLED THROUGHOUT THE BUILDING PER 903.2.1.2 AND TO ACHIEVE THE BUILDING AREA LIMITS IN TABLE 506.2.

SECTION 906 PORTABLE FIRE EXTINGUISHERS QUICK RESPONSE SPRINKLERS ARE USED IN USE GROUP A AREAS. IN AREAS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED, USED OR DISPENSED. PORTABLE FIRE EXTINGUISHERS ONLY IN AREAS REQUIRED BY THE BUILDING OFFICIAL.

SECTION 907 FIRE ALARM & DETECTION SYSTEM SECTION 907.2.1 GROUP A - THE BUILDING WILL FEATURE A MANUAL FIRE ALARM/VOICE SYSTEM

APTER 10: MEANS OF EGRESS		
1003.2 ALL CEILINGS IN THE MEANS OF	EGRESS SHALL HAV	E A MINIMUM CEILING HEIGHT OF 7' - 6"
1004.1 DESIGN OCCUPANT LOAD		
ASSEMBLY WITHOUT FIXED SEATS	4153 SF/ 15 net	= 276
KITCHENS	386 SF / 200 net	= 002
STORAGE AREAS	201 SF / 200 net	= 001
UNOCCUPIABLE & CIRCULATION	1260 SF / 0 net	= 000

DESIGN OCCUPANT LOAD TOTAL	= 279
1004.5 OUTDOOR AREAS	
THE OUTDOOR PROGRAM AREAS ARE APPLIC:	CABLE TO THIS SECTION AND MUST MEET THE FOLLOWING CRITE
OCCUPANT LOAD OF 49 PEOPLE OR L	LESS AND ONE EXIT (TABLE 1015.1)
 OCCUPANT LOAD OF 50+ MUST HAVE T 	TWO EXITS OR MORE
 COMMON PATH OF EGRESS TRAVEL =3 	=30' PER 1014.3
1005.3.2 MINIMUM REQUIRED EGRESS WIDTH	

OCCUPANT LOAD X 0.15" PER OCCUPANT FOR A SUPPRESSED BUILDING 325 OCCUPANTS X 0.15 = 48.75" REQUIRED. GREATER THAN 448" IS PROVIDED ACROSS 7 EXITS TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY BASED UPON A2 USE GROUP, FULLY SUPPRESSED

 O.L. > 30 OCCUPANTS AND 75 FEET OF TRAVEL MAXIMUM COMMON PATH OF EGRESS TRAVEL = 75 FEET

1007.1.1 TWO EXITS OR EXIT ACCESS DOORWAYS PER EXCEPTION #2, THE DISTANCE BETWEEN TWO EXITS ACCESS DOORWAYS SHALL NOT BE LESS THAN 1/3 THE DIAGONAL DISTANCE OF THE AREA SERVED. REFER TO LIFE SAFETY PLAN FOR ACTUAL DISTANCES. 1009.1 ACCESSIBLE MEANS OF EGRESS REQUIRED

ALL ACCESSIBLE SPACES SHALL HAVE ACCESS TO AT LEAST ONE ACCESSIBLE MEANS OF EGRESS. TWO ACCESSIBLE MEANS OF EGRESS SHALL BE PROVIDED AS STIPULATED BY 1006.2 OR 1006.3

1010.1.4.2 POWER OPERATED DOORS POWER OPERATED DOOR SHALL BE INSTALLED AT THE MAIN ENTRY VESTIBULE. THE DOORS SHALL OPEN UPON APPROACH OF A PERSON AND FEATURE A FULL BREAK-OUT MODE TO ALLOW EMERGENCY EGRESS. TABLE 1017.2 - EXIT ACCESS TRAVEL DISTANCE

'A' OCCUPANCY ALLOWS 250 FEET WITH FIRE SUPPRESSION TABLE 1020.1 CORRIDOR FIRE-RESISTANCE RATING USE GROUPS A DO NOT REQUIRE A CORRIDOR TO BE RATED WHEN THE BUILDING IS EQUIPPED WITH AN AUTOMATIC FIRE SUPPRESSION SYSTEM

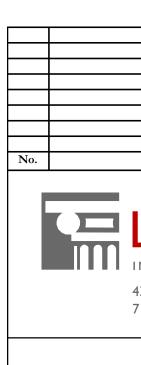
1029.3 ASSEMBLY MAIN EXIT EXITS ARE DISTRIBUTED AROUND THE PERIMETER OF THE BUILDING AT THE LEVEL OF EXIT DISCHARGE AS PERMITTED BY EXCEPTION. THE TOTAL REQUIRED WIDTH OF EXITS IS PROVIDED ACROSS THE MULTIPLE EXITS SECTION 1101

101.2 ICC A117.1 CLEARANCES AND REQUIREMENTS ARE INDICATED ON THE DRAWINGS 1104.1 ONE ACCESSIBLE ROUTE SHALL BE PROVIDED FROM THE PARKING AREA TO THE MAIN ENTRANCE TABLE 1106.1 BASED

CHAPTER 11: ACCESSIBILITY

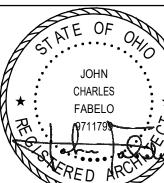
COMPLYING WITH REQUIREMENTS OF CHAPTER 11 AND ANSI A117.1

APTER 29: PLUMBING			
BANQUET HALL - DESIGN OC	CUPANT LOAD - 325 OCC /	′ 2 = 163 (F) + 163 (M)	
WATER CLOSETS	1/75 (F) + 1/125 (M)	5 REQUIRED	6 PROVIDED
LAVATORIES	1/200	2 REQUIRED	6 PROVIDED
DRINKING FOUNTAINS	1/500	1 REQUIRED	O PROVIDED (FREE WATER PROVIDED)
SERVICE SINK		1 REQUIRED	1 PROVIDED



Event	C

EVENT CENTER GENERAL NOTES AND LIFE SAFETY PLAN ALL. Comm. No. Date E OF 2023-11-21 22627.00 JOHN Drawing No. CHARLES FABELO A.H.F



Dec JOHN C. FABELC

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21	22	23
ABBREVIATIONS		ABBREVIATIONS
AND	LVR	LOUVER
ANGLE	M	METER / THOUSAND
AT	MAS	MASONRY
AIR CONDITIONING	MAT	MATERIAL
AUDIO/VISUAL OR AV	MAX	MAXIMUM
ATTIC ACCESS PANEL	MB	MASONRY BEARING
ACOUSTIC CEILING	MECH	MECHANICAL
ACOUSTICAL CEILING TILE	MEZZ	MEZZANINE
AREA DRAIN	MFR	MANUFACTURER
ADJUSTABLE	MH	MANHOLE
ABOVE FINISHED FLOOR	MIL	.001
ACOUSTICAL FOLDING PARTITION ALUMINUM	MIN MISC	MINIMUM MISCELLANEOUS
ACCESS PANEL APPROXIMATE	MM MO MTL	MILLIMETER MASONRY OPENING METAL
ARCHITECT/ARCHITECTURAL		NORTH
ACOUSTICAL WALL TREATMENT	N.I.C.	NOT IN CONTRACT
BOARD	NO. or #	NUMBER
BUILDING	NOM	NOMINAL
BLOCKING	NTS	NOT TO SCALE
BENCHMARK/BEAM	OC	ON CENTER
BOTTOM OF STEEL	OD	OUTSIDE DIAMETER
BRICK	OFF	OFFICE
BETWEEN	OPING	OPENING
BUILT-UP ROOFING	OPP	OPPOSITE/OPPOSITE HAND
CENTERLINE	OW	OPERABLE WALL
CABINET	OZ	OUNCE
CARPET	P	PROPERTY LINE
CATALOUGE	PA	PUBLIC ADRESS
CATCH BAGIN CHAULK BOARD CABINET HEATER	PAT PL	PATIENT PLATE
CAST IRON CONTROL JOINT	PLAS PLASLAM PLBG	PLASTER PLASTIC LAMINATE PLUMBING
GLOSET	PLYMD	PLYWOOD
GEILING	PREFAB	PREFABRICATED
CORRUGATED METAL PIPE	PRVT	PRIVATE
CERAMIC MOSAIC TILE	PS	PROJECTION SCREEN
CONCRETE MASONRY UNIT	PSF	POUNDS PER SQUARE FOOT
COLUMN	PSI	POUNDS PER SQUARE INCH
CONGRETE	PSS	PENCIL SHARPENER SUPPORT
CONSTRUCTION	PT	PRESSURE TREATED
CONTINUOUS/CONTINUE	PVC	POLYVINYL CHLORIDE
CORRUGATED	QT	QUARRY TILE
CORRIDOR/CORRUGATED	R	RISER
COUNTER BORE	RA	RETURN AIR
COUNTER SINK	RAD	RADIUS
CUBIC FEET	RB	RESILIENT BASE
CUBIC INCHES	RCP	REINFORGED CONGRETE PIPE
CUBIC YARDS	RCPT	REGEPTAGLE
CONTINUOUS WOOD FIBER	RD	ROOF DRAIN
DEGREE	REFR	REFERENCE
DEPTH/DEEP	REFR	REFRIGERATOR
PENNY (NAILS, ECT.)	RENF	REINFORCED/REINFORCEMENT
DOUBLE	REQ'D	REQUIRED
DEMOLISH/DEMOLITION	REV	REVISION(S)
DEPARTMENT	RM	ROOM
DRINKING FOUNTAIN	RO	ROUGH OPENING
DIAMETER DIMENSION DEAD LOAD	ROW or R/M S SA	SOUTH SUPPLY AIR
DOWNSPOUT DRAPERY TRACK DETAIL	SAC SCH	SUSPENDED ACOUSTICAL CEILING SCHEDULE
DRY WALL	SCMD	SOLID CORE WOOD
DRINKING WATER COOLER	SD	STORM DRAIN
DRAWING	SECT	SECTION
EAST EACH	SEOT SF OR SQFT SHT	SQUARE FEET STRUCTURAL GLAZED FACING
EXHAUST FAN EXTERIOR INSULATED FINISH SYSTEM	SIM SLV	TILE SIMILAR SHORT LEG VERTICAL
EXPANSION JOINT	SPEC(S)	SPECIFICATION(S)
ELEVATOR	SPKR	SPEAKER
ELECTRIC	SQ	SQUARE
ELEVATION	SS	STAINLESS STEEL
ENGINEER	STL	STEEL
ELECTRIC PANEL BOARD	STM	STORM SEMER
EQUIPMENT	STO	STORAGE
ELASTIC SHEET ROOFING	STRUCT	STRUCTURE
EACH WAY	SUSP	SUSPENDED
EXHAUST	SM	SHORT WAY
EXISTING	SYM	SYMMETRY / SYMMETRICAL
EXPANSION	SYN	SYNTHETIC
EXTERIOR / EXTENSION	T or TR	TREAD
FLOOR DRAIN	T&B	TOP & BOTTOM
FIRE HYDRANT	T¢G	TOUNGE & GROOVE
FACTORY BUILT	TA	TOILET ACCESSORY(IES)
FOUNDATION	TB	TACK BOARD
FRACTIONAL	TEL	TELEPHONE
FEET	TERR	TERRAZZO
FOOTING	TOC	TOP OF CONCRETE
GAUGE	TOF	TOP OF FOOTING
GALLON	TOM	TOP OF MASONRY
GALVANIZED	T <i>O</i> S	TOP OF STEEL
GRAB BAR	TRANS	TRANSFORMER
GENERAL CONTRACTOR	TV	TELEVISION
GALVANIZED HOLLOW METAL GLASS	TMS TYP. U.L.	TACKABLE WALL SERVICE TYPICAL UNDERWRITER'S LABORATORY
GYPSUM WALL BOARD GYPSUM HEIGHT / HIGH	UON OR UNO UR	UNLESS OTHERWISE NOTED URINAL
HOSE BIBB	UV	UNIT VENTILATOR
HARDWIRE	V. RET	VAPOR RETARDER
HOLLOW METAL	VC	VENT STACK
HORIZONTAL HOUR HEATING	VCGMB	VINYL COVERED GYPSUM WALLBOARD VINYL COMPOSITION TILE
HEATING/VENTILATION/	VERT	VERTICAL
COOLING	VIF	VERIFY IN FIELD
HOT WATER	VIT	VITREOUS
HIGHWAY	VOL	VOLUME
INSIDE DIAMETER	VRB	VENTED RESILIENT BASE
INCHES	VS/	VERSUS
INCLUDED / INCLUDING	VT	VINYL TILE
INFORMATION	VTR	VENT THR <i>O</i> UGH R <i>OO</i> F
INSULATION / INSULATE	M	WEST
INTERIOR	M/	WITH
INVERT	M/O	WITHOUT
JOIST BEARING JOIST SUBSTITUTE	MA MB MC	WARDROBE ACCESSORIES WOOD BASE
JOINT	NC	WATER CLOSET
KITCHEN	NCOL	WIND COLUMN
LENGHT / LONG	ND	WOOD
LABORATORY	MH	WATER HEATER
LAMINATE	MP	WORKING POINT
LAVATORY	MR	WATER RESISTANT
POUND	WSSK	WALL SERVICE SINK
LOCKER	WWF	WELDED WIRE FABRIC
LIVE LOAD	WWM	WOVEN WIRE MESH
LONG LEG VERTICAL LONG WAY	YD	YARD / YARD DRAIN
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Benha	um's Grove	
ent Center &	Site Im	D tovements

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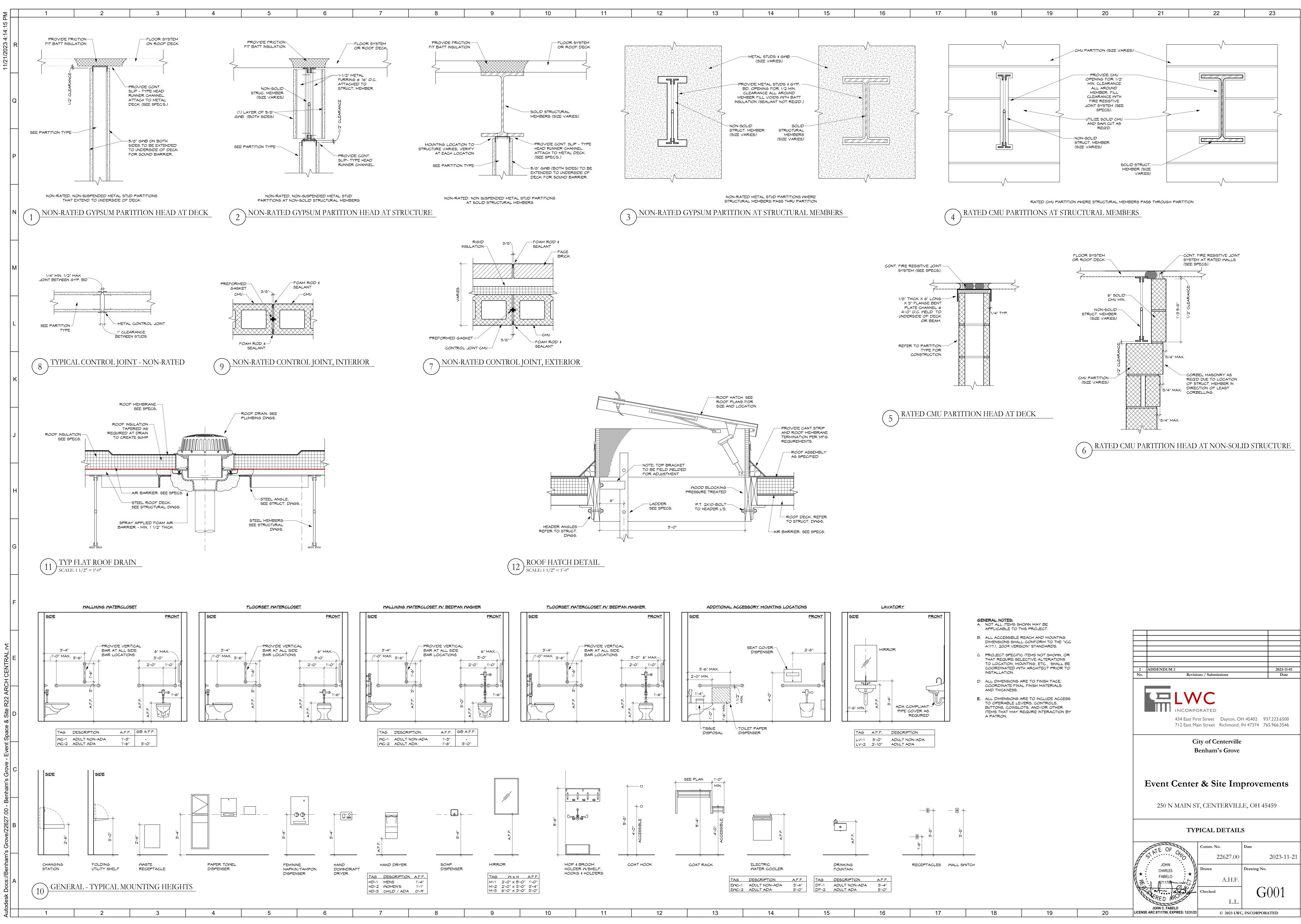
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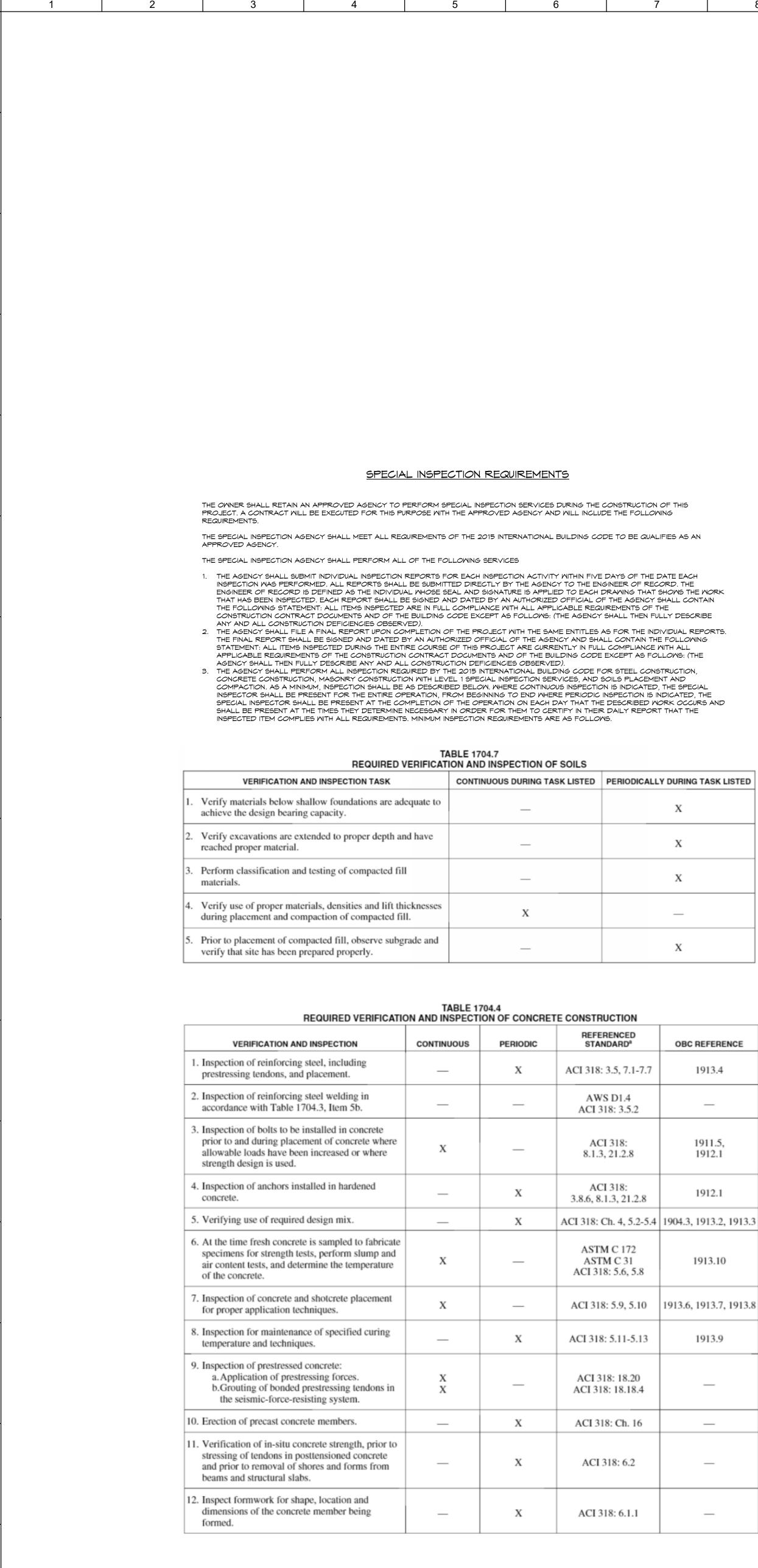
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SPECIAL INSPECTION REQUIREMENTS

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R22 ARCH CENTRAL

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TABLE 1704.3 REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

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REFERENCED VERIFICATION AND INSPECTION STANDARD^a OBC REFERENCE CONTINUOUS PERIODIC Material verification of high-strength bolts, nuts and washers: AISC 360, a. Identification markings to conform to ASTM standards specified in the approved Section A3.3 and X ____ applicable ASTM construction documents. material standards b. Manufacturer's certificate of compliance X ____ ____ ____ required. Inspection of high-strength bolting: a.Snug-tight joints. X ____ b.Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or X _ AISC 360, direct tension indicator methods of installation. 1704.3.3 Section M2.5 c.Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated Х _ wrench methods of installation. Material verification of structural steel and cold-formed steel deck: a. For structural steel, identification markings to AISC 360, Х ____ conform to AISC 360. Section M5.5 b. For other steel, identification markings to conform Applicable ASTM to ASTM standards specified in the approved Х ____ material standards construction documents. c.Manufacturer's certified test reports. Х _ Material verification of weld filler materials: AISC 360, a. Identification markings to conform to AWS specification in the approved construction Section A3.5 and X ____ ____ applicable AWS documents. A5 documents Manufacturer's certificate of compliance required. Х ____ ____ _ Inspection of welding: a. Structural steel and cold-formed steel deck: 1) Complete and partial joint penetration groove X _ welds. Multipass fillet welds. Х _ AWS D1.1 1704.3.1 Single-pass fillet welds > 5/16" Х ____ Plug and slot welds. Х _ Single-pass fillet welds ≤ 5/16" Х ____ Floor and roof deck welds. AWS D1.3 X ____

(continued)

TABLE 1704.3—continued REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

REQUIRED VERIFICATION	AND INSPEC	TION OF S	TEEL CONSTRUCTION	
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD ^a	OBC REFERENCE
b.Reinforcing steel:				
 Verification of weldability of reinforcing steel other than ASTM A 706. 	_	х		
 Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement. 	х	_	AWS D1.4 ACI 318: Section 3.5.2	—
Shear reinforcement.	х	_		
Other reinforcing steel.	_	х		
5. Inspection of steel frame joint details for compliance:				
a. Details such as bracing and stiffening.	_	х		
b. Member locations.	—	х	—	1704.3.2
c. Application of joint details at each connection.	_	х		

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	OBC REFERENCE
-7.7	1913.4
2	—
	1911.5, 1912.1
2.8	1912.1
2-5.4	1904.3, 1913.2, 1913.3
.8	1913.10
10	1913.6, 1913.7, 1913.8
.13	1913.9
0 .4	_
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	FREQUENCY	OF INSPECTION	REF	ERENCE FOR CRITE	RIA
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	OBC SECTION	TMS 402/ACI 530/ASCE 5 ^a	TMS 602/ACI 530.1/ASCE 6 ^a
. Compliance with required inspection pro- visions of the construction documents and the approved submittals shall be verified.	—	х	_	_	Art. 1.5
. Verification of f'_m and f'_{MC} prior to con- struction except where specifically exempted by this code.	_	х	_	_	Art. 1.4B
. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.	х	_	—	_	Art. 1.5B.1.b.3
. As masonry construction begins, the follow	ving shall be verific	ed to ensure compli	ance:		
a. Proportions of site-prepared mortar.	—	х	—	—	Art. 2.6A
b. Construction of mortar joints.	—	х	—	_	Art. 3.3B
c. Location of reinforcement, connectors, prestressing tendons and anchorages.	_	х	_	_	Art. 3.4, 3.6A
d. Prestressing technique.	_	x	_	_	Art. 3.6B
e. Grade and size of prestressing tendons and anchorages.	_	х	_	_	Art. 2.4B, 2.4H
. During construction the inspection program	n shall verify:				
 a. Size and location of structural elements. 	_	Х	_	_	Art. 3.3F
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	_	х	_	Sec. 1.2.2(e), 1.16.1	_
c. Specified size, grade and type of reinforcement, anchor bolts, prestressing tendons and anchorages.		х		Sec. 1.15	Art. 2.4, 3.4
d. Welding of reinforcing bars.	х	_	_	Sec. 2.1.9.7.2, 3.3.3.4(b)	_
 Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F). 		х	Sec. 2104.3, 2104.4	_	Art. 1.8C, 1.8D
 f. Application and measurement of prestressing force. 	х	_	_	_	Art. 3.6B

TABLE 1704.5.1 LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

(continued)

TABLE 1704.5.1—continued LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

	FREQUENCY	F INSPECTION	REF	ERENCE FOR CRITE	RIA
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	OBC SECTION	TMS 402/ACI 530/ASCE 5ª	TMS 602/ACI 530.1/ASCE 6ª
6. Prior to grouting, the following shall be ve	erified to ensure cor	npliance:			
a. Grout space is clean.	_	х	_	_	Art. 3.2D
 b. Placement of reinforcement and connectors, and prestressing tendons and anchorages. 	_	х	_	Sec. 1.13	Art. 3.4
c. Proportions of site-prepared grout and prestressing grout for bonded tendons.	_	х	_	_	Art. 2.6B
d. Construction of mortar joints.	_	х	_	_	Art. 3.3B
 Grout placement shall be verified to ensure compliance: 	х	_	_	_	Art. 3.5
 Grouting of prestressing bonded tendons. 	х	_	_	_	Art. 3.6C
 Preparation of any required grout speci- mens, mortar specimens and/or prisms shall be observed. 	_	х	Sec. 2105.2.2, 2105.3	_	Art. 1.4

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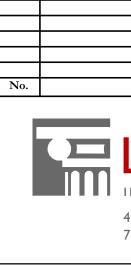
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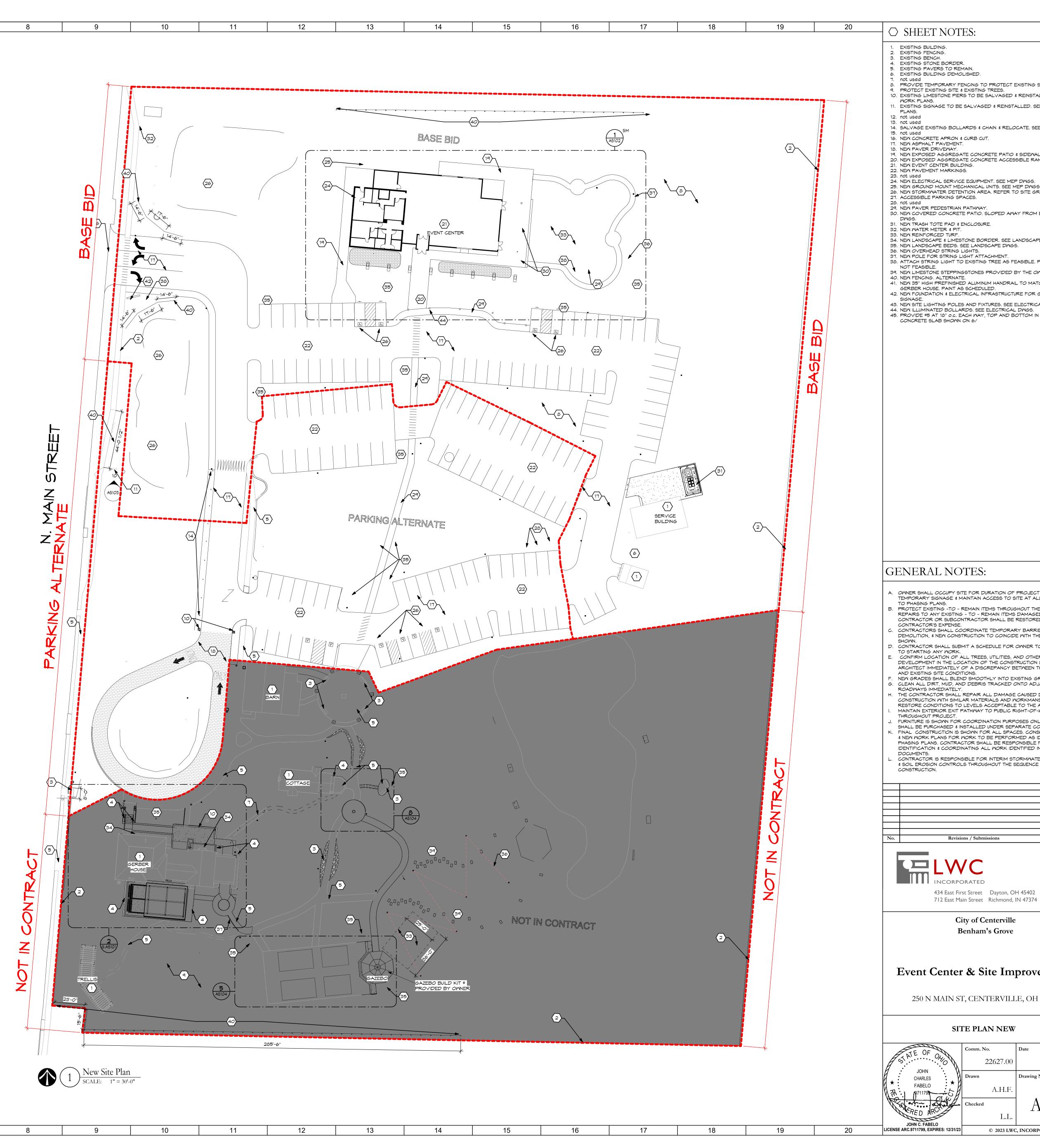
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434 East First Street Dayton, OH 45402 93	37.223.6500
EXAMPLE VIEW C INCORPORATED 434 East First Street Dayton, OH 45402 93 712 East Main Street Richmond, IN 47374 76 City of Centerville	37.223.6500
434 East First Street 712 East Main Street Richmond, IN 47374	37.223.6500
EXAMPLE VIEW C INCORPORATED 434 East First Street Dayton, OH 45402 93 712 East Main Street Richmond, IN 47374 76 City of Centerville	37.223.6500 55.966.3546
EXAMPLE VALUE A34 East First Street 712 East Main Street City of Centerville Benham's Grove	37.223.6500 55.966.3546 nents
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GENERAL NOTES:

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FIGL USED
 PROVIDE TEMPORARY FENCING TO PROTECT EXISTING SITE.
 PROTECT EXISTING SITE & EXISTING TREES.
 EXISTING LIMESTONE PIERS TO BE SALVAGED & REINSTALLED. SEE NEW

11. EXISTING SIGNAGE TO BE SALVAGED & REINSTALLED. SEE NEW WORK

14. SALVAGE EXISTING BOLLARDS & CHAIN & RELOCATE. SEE NEW WORK PLANS

16. NEW CONCRETE APRON & CURB CUT.
 17. NEW ASPHALT PAVEMENT.
 18. NEW PAVER DRIVEWAY.
 19. NEW EXPOSED AGGREGATE CONCRETE PATIO & SIDEWALK.
 20. NEW EXPOSED AGGREGATE CONCRETE ACCESSIBLE RAMP.
 21. NEW EVENT CENTER BUILDING.
 22. NEW PAVEMENT MARKINGS.
 23. NOT USED

25. NEW GROUND MOUNT MECHANICAL UNITS. SEE MEP DWGS. 26. NEW STORMWATER DETENTION AREA. REFER TO SITE GRADING PLAN.

29. NEW PAVER PEDESTRIAN PATHWAY.

30. NEW COVERED CONCRETE PATIO. SLOPED AWAY FROM BUILDING SEE CIVIL

34. NEW LANDSCAPE & LIMESTONE BORDER. SEE LANDSCAPE DWGS. 35. NEW LANDSCAPE BEDS. SEE LANDSCAPE DWGS.

36. NEW OVERHEAD STRING LIGHTS.
37. NEW POLE FOR STRING LIGHT ATTACHMENT.
38. ATTACH STRING LIGHT TO EXISTING TREE AS FEASIBLE. PROVIDE POLE IF

39. NEW LIMESTONE STEPPINGSTONES PROVIDED BY THE OWNER.
40. NEW FENCING. ALTERNATE.
41. NEW 35" HIGH PREFINISHED ALUMINUM HANDRAIL TO MATCH EXISTING AT GERBER HOUSE. PAINT AS SCHEDULED. 42. NEW FOUNDATION & ELECTRICAL INFRASTRUCTURE FOR GROUND MOUNTED 43. NEW SITE LIGHTING POLES AND FIXTURES. SEE ELECTRICAL DWGS. 44. NEW ILLUMINATED BOLLARDS. SEE ELECTRICAL DWGS.

45. PROVIDE #5 AT 18" O.C. EACH WAY, TOP AND BOTTOM IN 18" THICK CONCRETE SLAB SHOWN ON 6/

A. OWNER SHALL OCCUPY SITE FOR DURATION OF PROJECT, PROVIDE TEMPORARY SIGNAGE & MAINTAIN ACCESS TO SITE AT ALL TIMES. REFER B. PROTECT EXISTING -TO - REMAIN ITEMS THROUGHOUT THE PROJECT. REPAIRS TO ANY EXISTING - TO - REMAIN ITEMS DAMAGED BY CONTRACTOR OR SUBCONTRACTOR SHALL BE RESTORED AT

CONTRACTOR'S EXPENSE. C. CONTRACTOR'S HALL COORDINATE TEMPORARY BARRIERS, DEMOLITION, & NEW CONSTRUCTION TO COINCIDE WITH THE PHASING

SHOWN.
D. CONTRACTOR SHALL SUBMIT A SCHEDULE FOR OWNER TO REVIEW PRIOR TO STARTING ANY WORK.
E. CONFIRM LOCATION OF ALL TREES, UTILITIES, AND OTHER SITE DEVELOPMENT IN THE LOCATION OF THE CONSTRUCTION LIMITS. NOTIFY ARCHITECT IMMEDIATELY OF A DISCREPANCY BETWEEN THE DRAWINGS AND EVISTING SITE CONDITIONS.

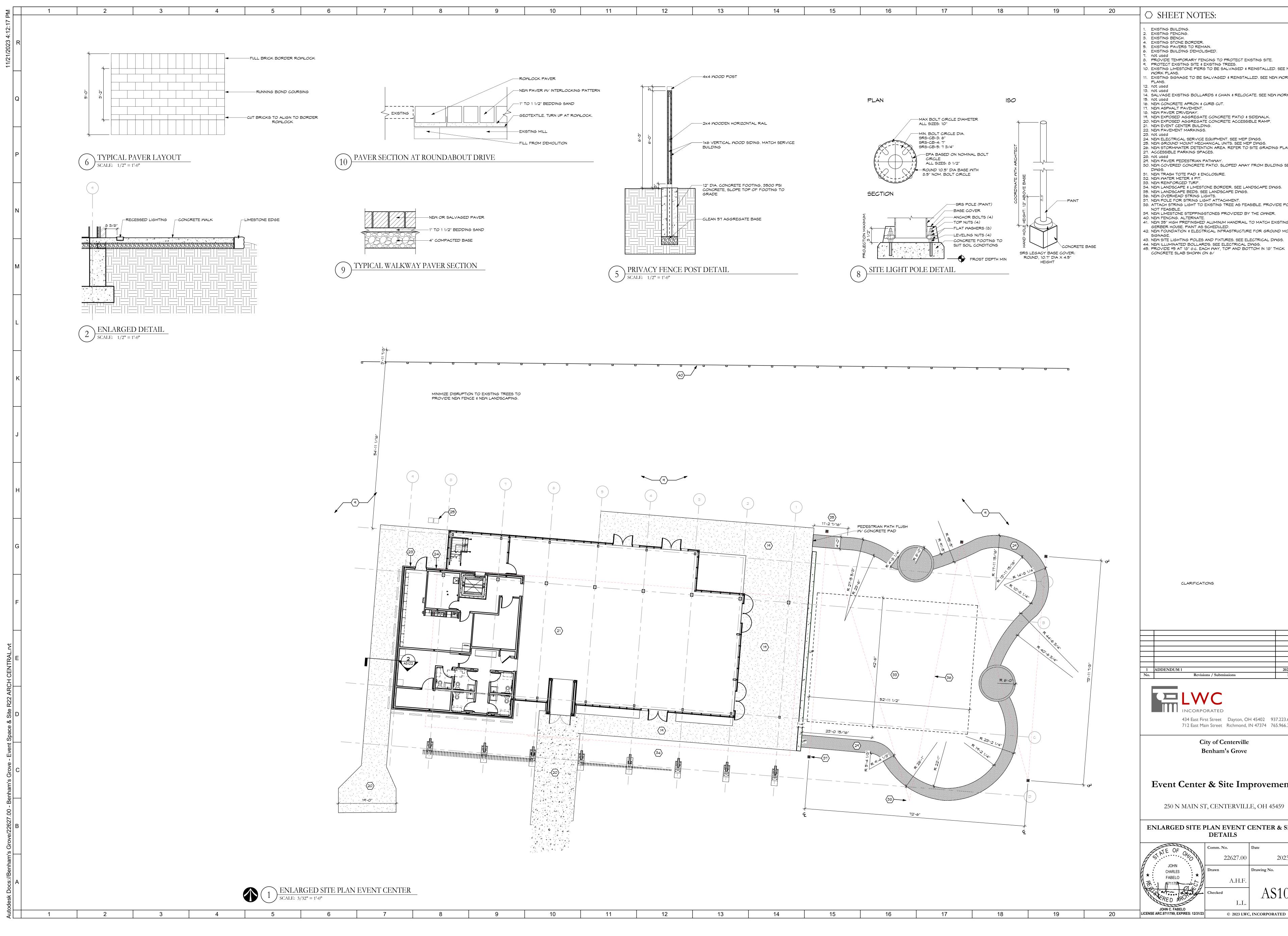
AND EXISTING SITE CONDITIONS. F. NEW GRADES SHALL BLEND SMOOTHLY INTO EXISTING GRADES. G. CLEAN ALL DIRT, MUD, AND DEBRIS TRACKED ONTO ADJACENT

H. THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE ARCHITECT.
 MAINTAIN EXTERIOR EXIT PATHWAY TO PUBLIC RIGHT-OF-WAY

HIROUGH HROULD HI FURNITURE IS SHOWN FOR COORDINATION PURPOSES ONLY. FURNITURE SHALL BE PURCHASED & INSTALLED UNDER SEPARATE CONTRACT. . FINAL CONSTRUCTION IS SHOWN FOR ALL SPACES. CONSULT DEMOLITION & NEW WORK PLANS FOR WORK TO BE PERFORMED AS IDENTIFIED ON PHASING PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFICATION & COORDINATING ALL WORK IDENTIFIED IN THE BID

LOCUMENTS. L. CONTRACTOR IS RESPONSIBLE FOR INTERIM STORMWATER MANAGEMENT & SOIL EROSION CONTROLS THROUGHOUT THE SEQUENCE OF SITE CONSTRUCTION.

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PROVIDE TEMPORARY FENCING TO PROTECT EXISTING SITE.

10. EXISTING LIMESTONE PIERS TO BE SALVAGED & REINSTALLED. SEE NEW WORK PLANS. . EXISTING SIGNAGE TO BE SALVAGED & REINSTALLED. SEE NEW WORK

14. SALVAGE EXISTING BOLLARDS & CHAIN & RELOCATE. SEE NEW WORK PLANS.

19. NEW EXPOSED AGGREGATE CONCRETE PATIO & SIDEWALK. 20. NEW EXPOSED AGGREGATE CONCRETE ACCESSIBLE RAMP.

101 USED
 14. NEW ELECTRICAL SERVICE EQUIPMENT. SEE MEP DWGS.
 15. NEW GROUND MOUNT MECHANICAL UNITS. SEE MEP DWGS.
 16. NEW STORWATER DETENTION AREA. REFER TO SITE GRADING PLAN.

30. NEW COVERED CONCRETE PATIO. SLOPED AWAY FROM BUILDING SEE CIVIL

38. ATTACH STRING LIGHT TO EXISTING TREE AS FEASIBLE. PROVIDE POLE IF NOT FEASIBLE. 39. NEW LIMESTONE STEPPINGSTONES PROVIDED BY THE OWNER. 40. NEW FENCING. ALTERNATE.

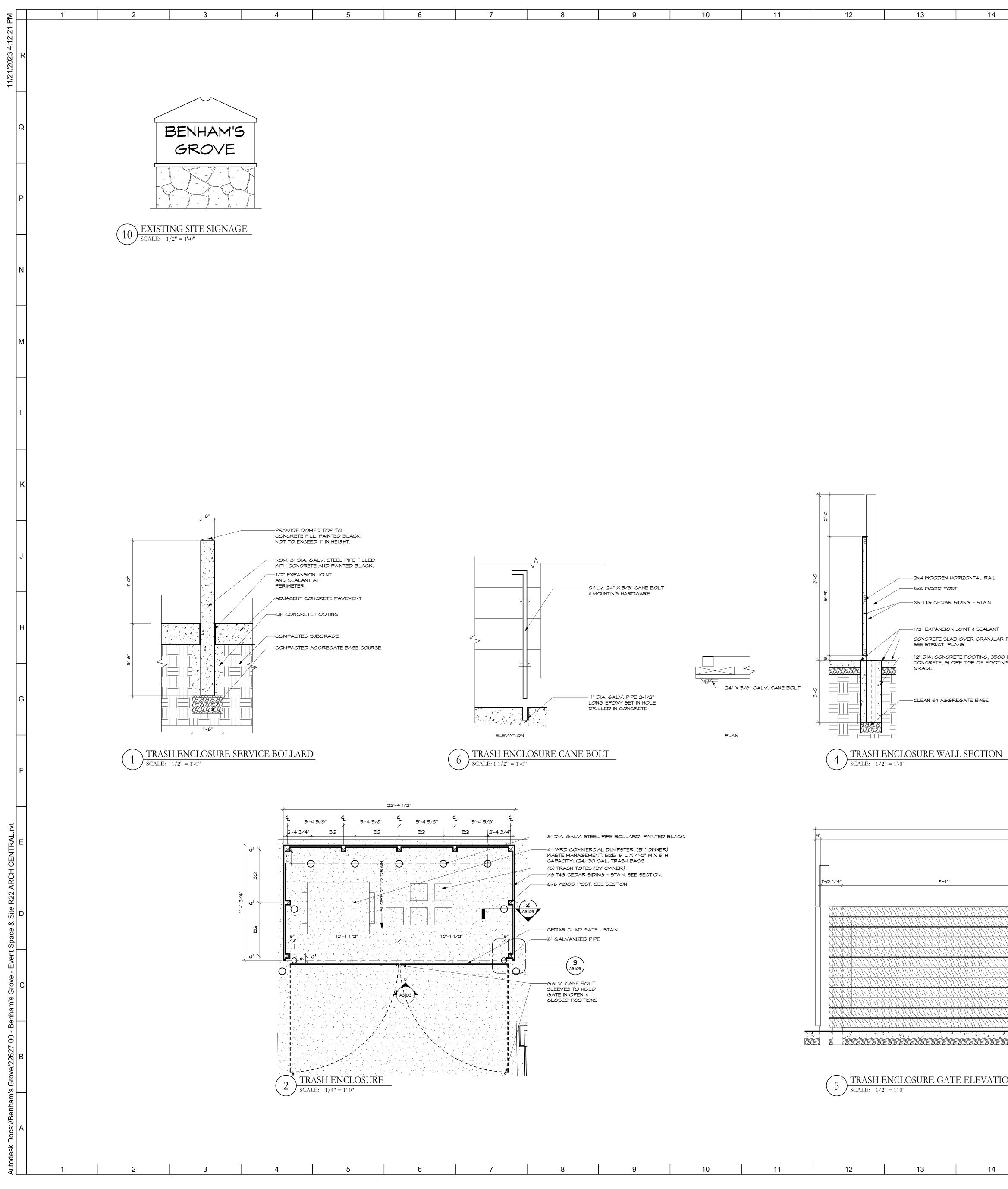
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44. NEW ILLUMINATED BOLLARDS. SEE ELECTRICAL DWGS.
45. PROVIDE #5 AT 18" O.C. EACH WAY, TOP AND BOTTOM IN 18" THICK CONCRETE SLAB SHOWN ON 6/

CLARIFICATIONS

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WEET MANAGENES - STAN SEL ELS A SY M OF MAX_FINE BY AND MAXEMENT OF MAXEMENT<		1	3"GALV. CANE BOLTS & GATE	
e' SALVANEED PIPE	- -			
	4 YARD COMMERCIAL DUMPSTER, (BY OWNER) WASTE MANAGEMENT. SIZE: 6' L X 4'-2" W X 5' H. CAPACITY: (24) 30 GAL. TRASH BAGS (6) TRASH TOTES (BY OWNER) X6 T&G CEDAR SIDING - STAIN. SEE SECTION.		GALV. FRAME W/ GALV. 1/4" BOLTS 24" O.C. & MAX 8" FR PUNCH EXPRESSION FOR BO INTERIOR SIDE OF FRAME	OLTED TO 2" 4" CARRIAGE ROM ENDS - OLT HEAT ON
	4 YARD COMMERCIAL DUMPSTER, (BY OWNER) WASTE MANAGEMENT. SIZE: 6' L X 4-2" W X 5' H. CAPACITY: (24) 30 GAL. TRASH BAGS (6) TRASH TOTES (BY OWNER) X6 T&G CEDAR SIDING - STAIN. SEE SECTION. 6x6 WOOD POST. SEE SECTION CEDAR CLAD GATE - STAIN 6" GALVANIZED PIPE		GALV. FRAME W/ GALV. 1/4" BOLTS 24" O.C. & MAX 8" FR PUNCH EXPRESSION FOR BO INTERIOR SIDE OF FRAME X6 T&G CEDAR SIDING BEYC 1X6 T&G CEDAR SIDING - STA	BOLTED TO 2" 4" CARRIAGE ROM ENDS - OLT HEAT ON OND - STAIN FAIN

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		GI	ENERAL CONSTRUCTION NOTES	G	ENERAL	GRADIN	<u>G, EA</u>	RTHW
	R	1.	Site/Civil Specifications: All plans, construction, materials, workmanship, and methods shall be in accordance with the current "Rules and Regulations" of City of Centerville and the Ohio Department of Transportation Construction and Material Specifications. When in	1.	pavement	levations ind t grade unles e areas are f	ss note	d otherw
5		2.	conflict, the City requirements shall prevail. Prior to the start of construction, the Contractor shall be responsible for ensuring that all	2.		ractor shall t naterials from	-	
	Q		required permits and approvals have been obtained. No construction or fabrication shall begin until the Contractor has received and reviewed all plans and other documents approved by all the permitting authorities. The Contractor shall post all bonds, pay all fees, and provide proof of insurance as required to obtain permits.	3.	The Contracto	ractor shall b opsoil that ca or's expense.	be resp annot be . The C	onsible f e used or ontractor
		3.	All sediment and erosion control measures, as shown on Sheet C-6.0, shall be in place prior to the start of any demolition, clearing and grubbing, or construction operations. Erosion control measures shall conform to all Local, State, and Federal regulations and	4.	The Contr existing a	e areas only ractor will be nd proposed	e respoi d utilitie	nsible for s or struc
	Р	4.	requirements. North arrow, existing topography, and property lines based on field survey of the subject property prepared by Burkhardt Engineering in January 2023. An ALTA/NSPS Land Title Survey was not performed, survey may not depict any or all easements impacting the	5.	material is Contracto	ractor shall t s not availab or's responsil ess or unsuit	ole on si bility. T	ite. The l he Contr
	Г	5.	subject property. Information on existing utilities has been compiled from available information including	6.		ractor shall p ion as outline		
			utility company and municipal records and field survey and is not guaranteed correct and complete. Utilities are shown to alert the Contractor to their presence and the Contractor is solely responsible for determining actual locations and elevations of all utilities. Prior to demolition or construction, the Contractor shall contact "811", 72 hours before commencement of work and verify all utility locations.	7.	pavement areas and	ractor shall e t areas, ram d shall comp vhere sheet	ps and ly with	sidewalk Federal,
	N	6.	The Contractor shall provide and maintain traffic control devices for protection of vehicles and pedestrians consisting of drums, barriers, signs, lights, fences and uniformed traffic officers as required by Local and State Authorities.	0.	finished g above the pavement	rade in gras pavement i t to grass or	s or lar in areas landsca	ndscape s without aped are
		7.	The Contractor shall protect all iron pins, monuments and property corners during construction. Any Contractor disturbed pins, monuments, etc. shall be reset by a	9.		/2 inch belov ractor shall p	•	
	м	8.	Professional Land Surveyor (Registered with the State) at the expense of the Contractor. Any disturbance incurred to any adjacent properties or public right-of-way during demolition and construction shall be restored to its original condition or better, in accordance with and to the satisfaction of Local and State Authorities.	10.	(1.0%) slo	nent shall be ope toward th unpaved are plans.	he colle	ection po
		9.	The Contractor shall abide by all OSHA, Federal, State, and Local regulations when operating cranes, booms, hoists, etc. in close proximity to overhead electric lines. If Contractor must operate equipment close to electrical lines, contact the local Utility Provider to make arrangements for proper safeguards.	11.	ADA acce Ramp	' essible areas os - 1:12 (8.3 es - 1:20 (5.0	3%) ma	х.
		10.	All material schedules shown on the plans are for general information only. The Contractor shall prepare their material schedules based upon their plan review. All schedules shall be			ng - 1:50 (2.0 s Slopes - 1:	,	
	L	11.	verified in the field by the Contractor prior to ordering materials or performing work. The Contractor shall review all plans prior to construction and immediately report any	12.		ractor shall a final grade.	adjust te	ops/lids/ę
		12.	conflicts and/or discrepancies to the engineer-of-record. All work within public rights-of-way shall be in accordance with the Ohio Department of Transportation rules, specifications, and regulations.	13.	topsoil (m	grading of s ninimum) in a finished to s	all distu	rbed are
		G	ENERAL DEMOLITION NOTES	14.		creened pric		
	к	1.	Within the subject property, the intent is to have a clean, clear site, free of all existing items noted to be removed in order to allow for the construction of the new project.		especially	g and constr / if additiona	l cut an	nd/or fill w
		2.	All items noted to be removed shall be done as part of the contract for general construction.	15.		d during ear he Architectu		•
			Remove and dispose of any materials requiring removal from the work area in an approved off-site landfill.	16.	The Cont	ractor shall o y familiar wit		
	J	4. 5.	The Contractor shall secure all permits for demolition and disposal of demolition material to be removed from the site. The Contractor shall post all bonds and pay all permit fees as required. The Contractor shall cut and plug, or arrange for the appropriate utility company to cut and	17.	recomme	ndations give ractor shall p	en ther	ein.
		0.	plug service piping at the property line or at the main (as required). All services may not be shown on this plan.	18.		s are encou d to storm se		-
		6.	For all items noted to be removed, remove not only above ground elements, but all underground elements as well, including, but not necessarily limited to: foundations, slabs, gravel fills, tree roots, pipes, wires, unsuitable materials, etc.	19.	•	spot elevati ation to conv		•
	Н	7.	The Contractor shall sawcut existing pavement to provide a clean edge between existing pavement to remain and existing pavement to be removed.			UTILITY		
		8.	Limits of removal and sawcut lines shown on demolition plan are approximate only. Actual quantities may vary due to construction activities. Contractor is responsible for all demolition, removal and restoration work necessary to allow for the construction of the new project.		available r Contractor Contractor	shown are a mapping. The prior to the to coordina	e exact start of ite with	t location f construe the local
	G		Backfill excavations resulting from demolition work to meet the requirements for fill outlined in the Geotechnical / Soils Report.	3.	start of an The Contr	iction meetir y constructic actor shall v ilities by vari	on activ isit the	ity. site and
		<u>G</u> 1.	ENERAL SITE NOTES Building dimensions shown on the Civil Engineering Plans are for reference purposes		at all locat vertical loc	ions where e cations of the	existing e utilitie	and pro s shall b
		2.	only. The Contractor shall use the Architectural and Structural Plans for exact building dimensions. All site and radii dimensions are referenced to the face of curbs or edge of paving unless	4.	so that an The Contr	n the event o appropriate actor shall e	modific ensure t	cation ma hat all ut
	F		otherwise noted. All dimensions to the building are referenced to the outside face of the foundation wall.		respective	on methods utility comp ility compani	any. Th	ne Contra
			All sidewalks, curb and gutter, street paving, curb cuts, driveway approaches, handicap ramps, etc. constructed outside the property line in the right-of-way shall conform to all	5.	inspection	s, and demo details pipes	olition.	
		5.	Local and/or State specifications and requirements. All proposed handicap ramps, parking areas, and accessible routes shall strictly comply	6.	•	onnections. S oxes and cu		
	E		with current Local, State, and Federal regulations, including but not necessarily limited to the ADA Accessibility Guidelines (ADAAG).	7.	The Contra	ess indicated actor shall p	orovide	traffic be
	-	6.	All ADA accessible routes shall have detectable warnings installed as required by the ADAAG. Detectable warnings shall consist of raised truncated domes which contrast visually with the adjoining surfaces, either light-on-dark, or dark-on-light.	8.	All existing saw cut ar	, inlets, valve g pavement v nd replaced o nts. Existing	within t or direc	he rights tionally t
			Contractor shall sawcut existing pavement to provide a clean, straight joint where new pavement meets existing pavement and ensure positive drainage.	9.	All utility li	nes and tren irer's specific	nches s	hall be in
	D	8.	All concrete pavement shall have joints in accordance with ACI 330R-08, Section 3.7 and Appendix C. Contraction joints shall be 1/4 of the slab thickness. Isolation joints shall be placed between pavement and foundations, inlets, and other fixed structures. Contraction joints shall be tool finished and spaced as follows:	10.	distance fr required. V	ewer laterals rom water lin Where water encasement	nes unle ⁻ line cro	ess other osses ab
			Curbing: 10'-0" (max) spacing. Sidewalks: 5'-0" (max) spacing.	11.		s, foundatio		s, and ot
			Vehicular Traffic Areas: 24 x Concrete Pavement Thickness (feet), 15'-0" (max) spacing.		system are	e prohibited.		
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VORK & DRAINAGE NOTES

ment areas are at bottom face of curb and/or finished wise. All spot elevations indicated in grass or unless noted otherwise.

for the removal and disposal of all vegetation and esults from clearing & grubbing activities.

for stripping and removal of all excess topsoil from the on site shall be removed from the site at the r may dispose of excess topsoil by burying topsoil in

n of the Owner or the Owner's Representative. all safety requirements and for the protection of all uctures during earthwork procedures.

for the import of structural fill materials if suitable location and testing of suitable material shall be the tractor shall be responsible for the export and disposal

uction dewatering as necessary to complete

ne care in establishing all grades and slopes in Iks in the vicinity of handicap parking and access l, State, and Local Codes.

from grass or landscape areas onto paved areas, the e areas shall be 1/2 inch above the top of curb or It curb. In areas where sheet drainage flows from eas, the finished grade in grass or landscape areas

e drainage in all areas and away from all buildings. ght, even, and uniform grade with a minimum of 1:100 oints unless otherwise specified on plans. Cut or fill ceed 3:1 (33.3%) maximum grade unless otherwise

eed the following slopes:

/grates of all cleanouts, manholes, inlets, valves, etc.

rade elevations, the Contractor shall provide 4" of eas which are not to be paved. Final grades should be eas and ensure positive drainage. Stockpiled topsoil ng and should be free of subsoil, debris, and stones.

for determining exact quantities of cut and/or fill for ould alert the Engineer of any excessive cut and/or fill, will be required due to poor existing soil conditions ons.

ural Plans for information regarding any perimeter

of the Geotechnical / Soils Report and become grade information and fully implement

tile weed mat under all landscape mulch/stone and

Engineer, field tiles will likely need to be replaced and

ed in a truncated form to save space, add 900' to each on to NAVD88 datum.

cations only and have been compiled from the latest n of all underground utilities shall be verified by the uction.

utility companies for all locations and connections. A ious utility companies may be required prior to the

l verify the location, elevation, and condition of all or to beginning any excavation. Test pits shall be dug oposed utility lines cross, and the horizontal and be determined. The Contractor shall contact the een conflicts between existing and proposed utilities hay be made.

tility companies and local standards for materials and Contractor shall perform proper coordination with the ractor shall coordinate work to be performed by the ay all fees for connections, disconnection, relocations,

the building face. Refer to the building drawings for tall pipe adapters as necessary.

be adjusted to the final grades and located in grassed the plans.

earing concrete collars and lids for all cleanouts, are located in paved areas.

s-of-way where utility piping is to be installed shall be bored in accordance with Local and/or State be repaired as necessary.

nstalled, bedded and backfilled according to

the satisfaction of Local and State Authorities. n (10' min. horizontal, 1.5' min. vertical) separation

erwise shown, or additional protection measures will be bove sanitary lateral by less than 2' vertical, a ed, Contractor shall center one joint of pipe at

ther clean water connections to the sanitary sewer

SANITARY SEWER NOTES:

Contractor to provide 6" (min.) sanitary sewer service line from building to public sewer main. Install tap, manholes, cleanouts and other appurtenances as required by the local utility provider. Coordinate building connection with plumbing plans.

All sanitary sewer pipe shall be P.V.C. SDR 35, ASTM D-3034 with joints conforming to ASTM 3212. All pipe shall be installed in accordance with the manufacturer's recommended procedures and shall maintain a minimum slope of 1.00%.

Sanitary sewer clean-outs shall be installed at all sewer pipe bends, angles, and junctions, unless a manhole is indicated. All cleanouts in pavement areas shall be installed with traffic bearing lids and concrete collars. Cleanout spacing should not exceed 100'. Per detail / Sheet C-5.0.

Contractor to confirm sanitary inverts shown on this plan (as they exit the building) match what is provided on the Plumbing Plans, notify engineers of any conflicts.

Sanitary sewer service connection, permit and construction to be coordinated with Montgomery County Environmental Services.

WATER NOTES:

Contractor to provide fire and domestic water service from public water main to building. Install tap, valves, meter, backflow preventer, PIV, FDC, and other appurtenances as required by the local utility provider and fire department. Coordinate building connection with Plumbing Plans. Fire service line to be designed by Others (Fire Protection Engineer).

Contractor to provide 2" domestic water service line from public water main to building. Install tap, meter, backflow preventer, and other appurtenances as required by Montgomery County Environmental Services. Coordinate building connection with Plumbing Plans.

Domestic water service lines shall be Type "K" Copper, or approved equivalent, installed per manufacturer's recommended procedures. Lines shall be installed with a minimum cover of 42" or below frost line, whichever is greater.

Water service connection, meter, permit and construction to be coordinated with Montgomery County Environmental Services.

STORM SEWER NOTES:

All storm sewer shall be reinforced concrete pipe (RCP, ASTM C76 - Class III, minimum) or high-density polyethylene pipe (ADS N-12 WT, watertight, or equivalent), unless otherwise noted on plans. All pipe shall be installed according to manufacturer's specifications. All storm sewer pipe and joints to be watertight, including the downspout collection system.

Contractor to provide downspout collection system to connect building downspouts / roof drains to storm sewer system. See architectural plans for downspout locations.

Downspout collection pipe (DCP) may be HDPE (ADS N-12 WT, watertight, or equivalent) or Schedule 40 PVC pipe. All downspout collector pipes to be at 1.00% minimum slope. All pipe shall be installed according to Local, State, and manufacturer's specifications. Provide cleanouts at all bends, angles, and junctions. All cleanouts in pavement areas shall be installed with traffic bearing lids and concrete collars, per detail / Sheet C-5.0.

All catch basins installed in sump areas to have finger drains as detailed on Sheet C-5.0

Half-height headwalls to be ODOT HW 2.1 or equivalent. Provide 5'W x 6'L ODOT Type C rip-rap at each headwall.

Contractor to provide steps, as required by ODOT and OSHA, in all catch basins and manholes.

Storm sewer connection, permit and construction to be coordinated with the City of Centerville.

GAS NOTES:

Coordinate gas service lines, meter, and connections with Plumbing and Mechanical Plans and local utility provider. Contractor shall verify both location and availability of service prior to the start of construction.

ELECTRIC NOTES:

Coordinate electric service lines, transformer, meter, and connections with Electrical Plans and local utility provider. Contractor shall verify both location and availability of service prior to the start of construction. Refer to Electrical Plans for all proposed site lighting and existing site lighting modifications.

Coordinate site lighting, signage wiring, conduit locations, connections, etc. with electrical plans. Notify Engineers of any potential conflicts.

TELECOM NOTES:

Coordinate telecommunication service lines and connections with electrical plans and local utility provider. Contractor shall verify both location and availability of service prior to the start of construction.

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DESIGN TEAM

CIVIL ENGINEER / CONSULTANT Burkhardt Engineering Contact: Jonathan Burkhardt Phone: 937.388.0060

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Email: jdburkhardt@burkhardtinc.com

ARCHITECT

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LWC Incorporated Contact: John Fabelo Phone: 937.223.6500 Email: jfabelo@lwcinspires.com

PROJECT SUMMARY

Project will include the demolition and removal of utilities, vegetation, pavement, etc. as necessary t Benham's Grove Event Center and its associated pavement, parking facilities, utilities, landscaping, other proposed improvements which are needed to service the facility.

PROPERTY INFORMATION

Address: 166 N. Main Street, Centerville, Ohio Area: 8.59 acres

Zoning: APD - Architectural Preservation District

Flood Zone Designation: FIRM # 39113C0268E, effective date: January 6, 2005. Zone "X" : Areas determined to be outside the 0.2% annual chance floodp

SHEET INDEX

C-1.0 : General Notes C-1.1 : Existing Conditions & Demolition Plan

C-2.0 : Site Plan

C-3.0 : Grading Plan

- C-4.0 : Utility Plan
- C-5.0 : Details C-5.1 : County Details

C-6.0 : Storm Water Pollution Prevention Plan

C-6.1 : Storm Water Pollution Prevention Plan Details

C-7.0 : Storm Water Management Plan

Note: Architectural, Structural, Mechanical, Electrical and Plumbing Plans in separate set.



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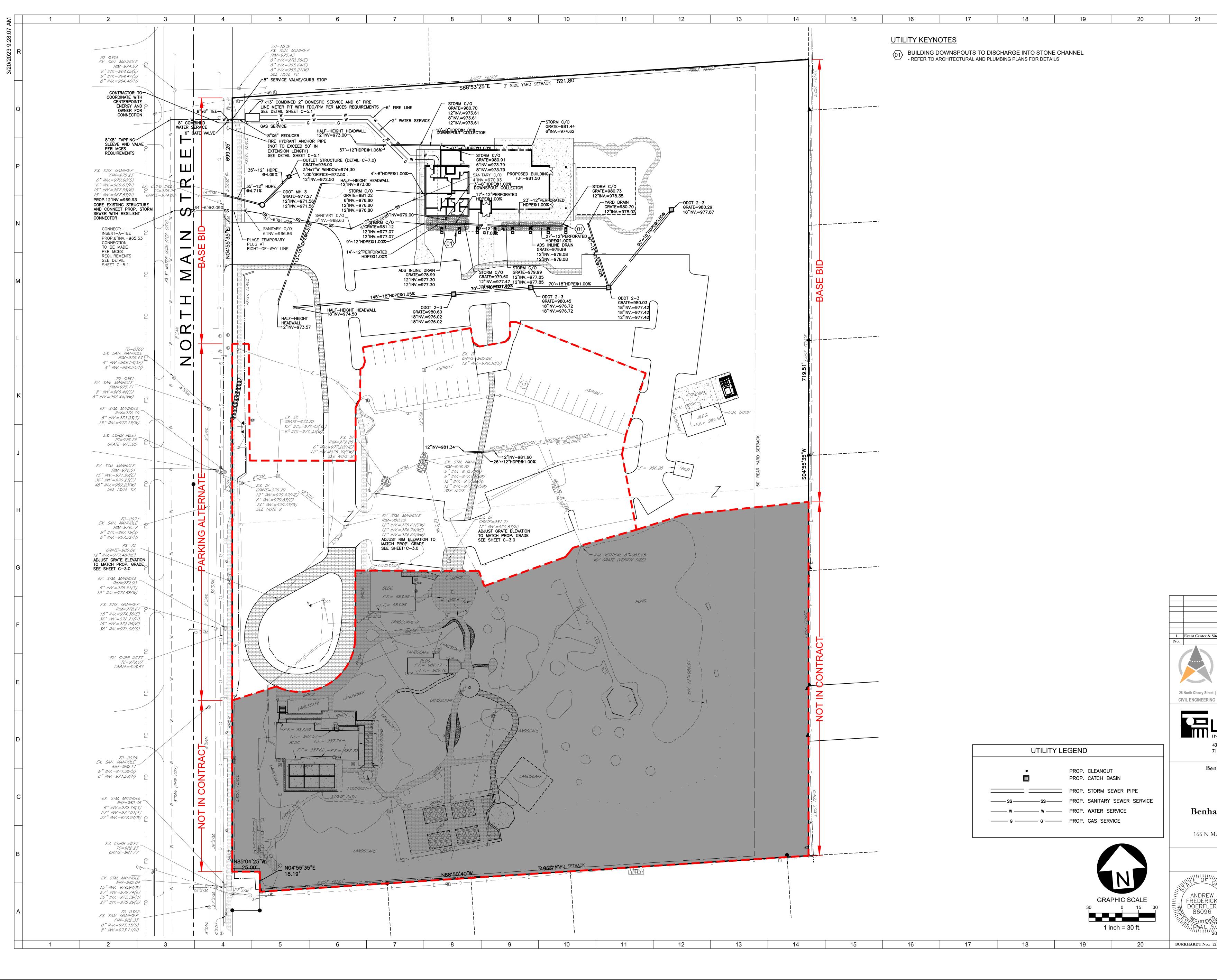
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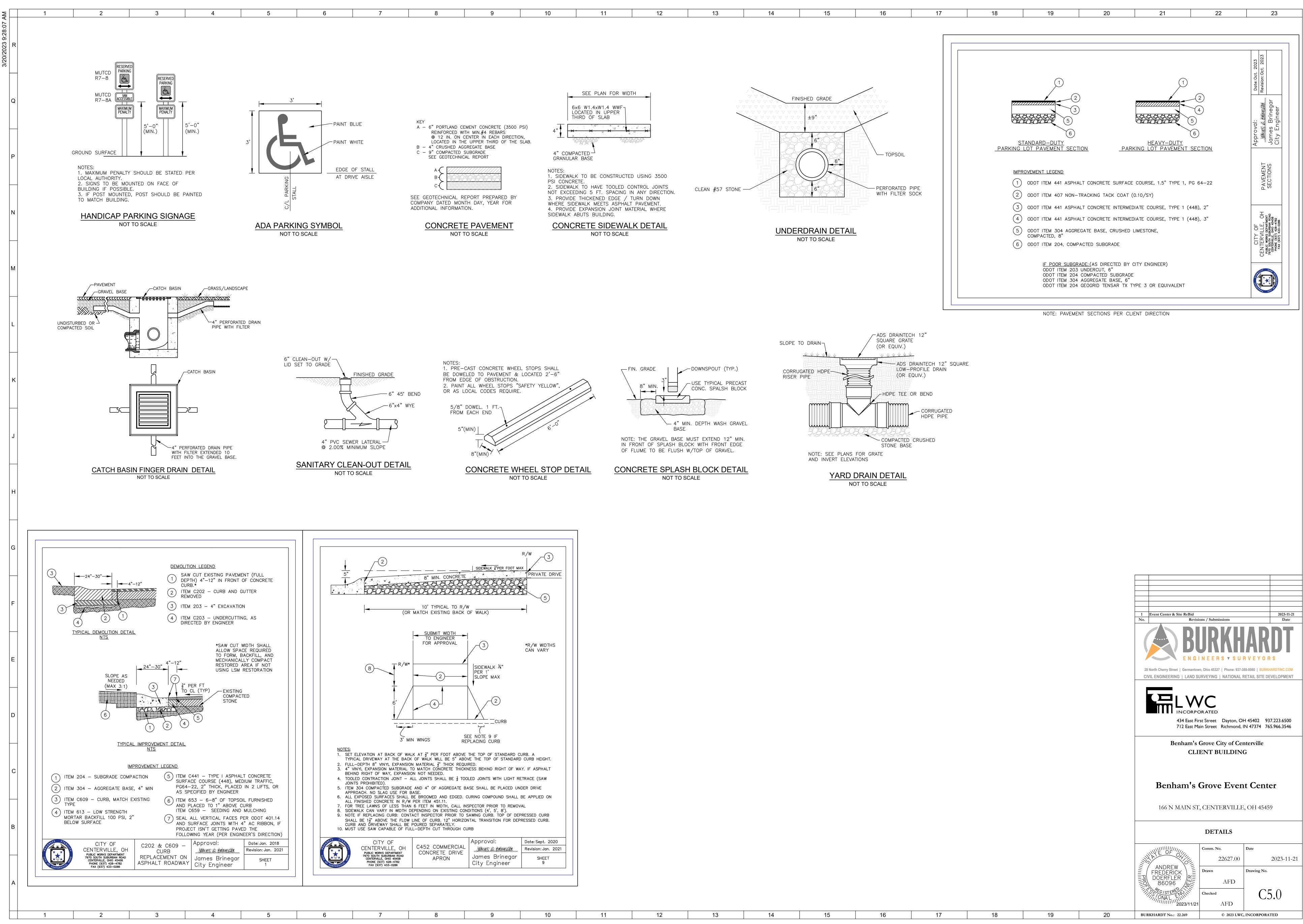


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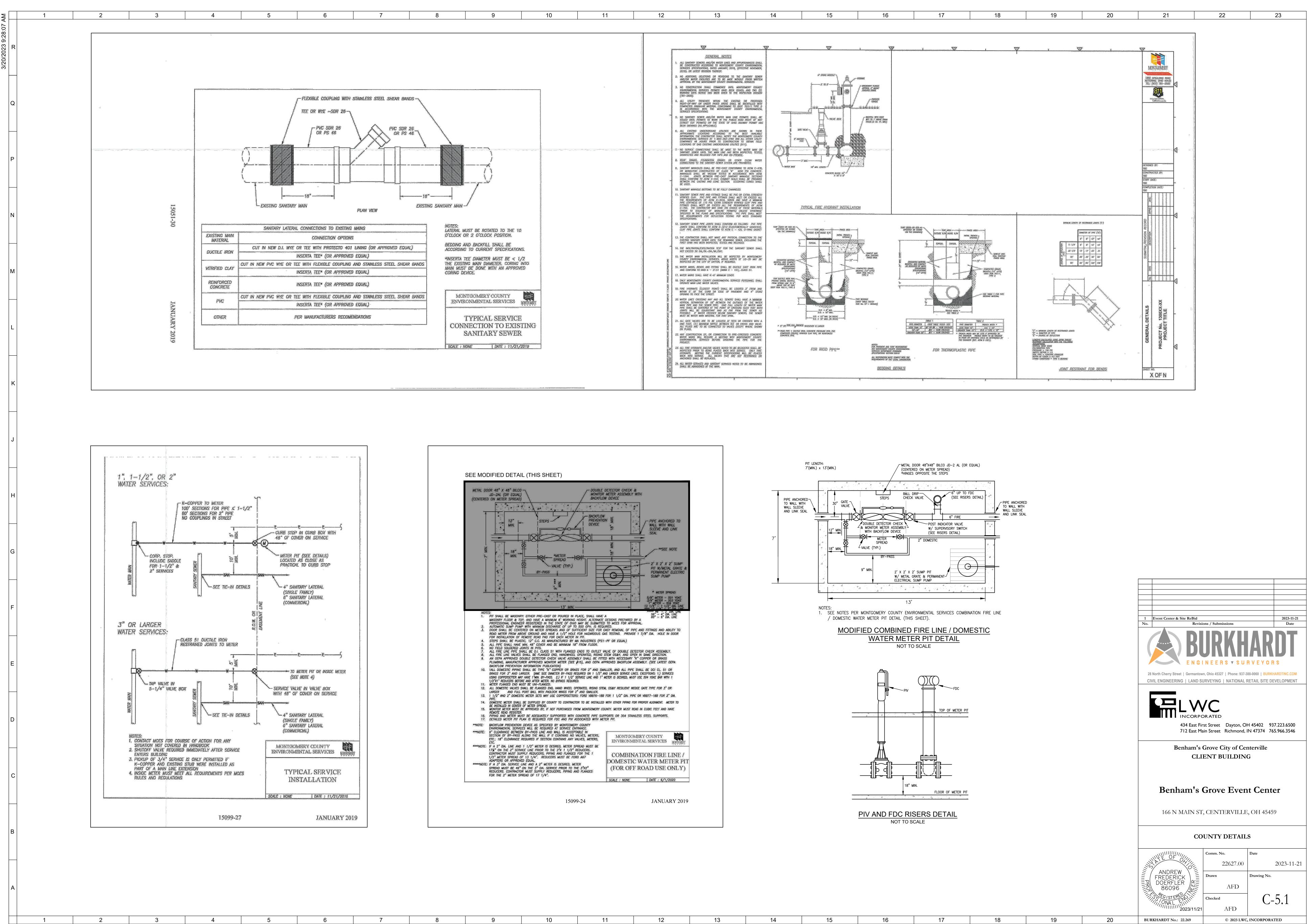
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BRIAN C. & KARMIN J. LAUGHLIN 215 MAPLE AVE DAYTON, OH 45459

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SAMUEL F. & MACY L. JOHNSON 205 MAPLE AVE DAYTON, OH 45459

BRIAN & COLLETE SEAVEY 195 MAPLE AVE DAYTON, OH 45459

WALTER WILLIAM RODENBURG 185 MAPLE AVE

DAYTON, OH 45455

NOVA PORTS LLC. 175 MAPLE AVE DAYTON, OH 45459

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SITE OVERVIEW:

NATURE OF CONSTRUCTION ACTIVITY: Project consists of clearing the existing area to build a new building. Various pavement areas and sidewalks will also be constructed to service the new facilities. Mass grading will be performed as necessary to construct the project. The development will reduce the amount of storm water runoff from the site so no new detention facilities have been planned as part of this project. Soil erosion control measures will be implemented throughout construction to prevent soil, silt, and other debris from entering the public storm sewer system.

TOTAL AREA TO BE DISTURBED: Approximately 3.66 acres will be disturbed.

EXISTING SOILS: Site consists of Miamian-Urban land complex, Milton silt loam, Morrisville silty clay loam, and Russell silt loam.

EXISTING LAND USE: Land is currently partially developed. Land use will change to a new building addition with some parking areas / driveways and lawn space. Property is not known to have had hazardous or solid waste.

WETLANDS: There are no wetlands in the work area.

`-----WESELY M. & LINDSEY M. PERKINS 61 LAKEVIEW DRIVE DAYTON, OH 45459 28 North Cherry Street | Ζ **CIVIL ENGINEERING** Be EROSION CONTROL LEGEND RONALD J. CLARK 60 LAKEVIEW DRIVE DAYTON, OH 45459 — — — SILT FENCE INLET PROTECTION Benha CONSTRUCTION ENTRANCE 166 N M -----STORM WAT LOT 2 NYE OF ANDREW GRAPHIC SCALE FREDERIC DOERFLE 0 15 30 86096 1 inch = 30 ft. 2NA L

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R	GENERAL STORMWATER POLLUTION PREVENTION NOTES	SOIL EROSION CONTROL SEQUENCE
	1. All erosion and sediment control practices must conform to the standards and specifications set	 Stone tracking pad atop geotextile liner. Install silt fence and protection fencing.
_	forth by the Local, State, and Federal Authorities. 2. Construction activities shall be scheduled such that a minimum area of the site is disturbed at a	 Install sediment basin. Initial clearing, grubbing, and demolition.
	time. Construction operation shall be scheduled and performed so that preventative soil erosion control measures are in place prior to excavation in critical areas and temporary stabilization	 Strip and stockpile top soil. Rough grade and balance site.
Q	measures are in place immediately following backfilling operations. Contractor shall reduce effects of storm water by using and/or maintaining grassed swales, infiltration structures, or	 Install underground utilities (i.e. Sanitary, Storm Place inlet filters on all storm inlets.
	water diversions. 3. Special precautions will be taken in the use of construction equipment to prevent situations that	9. Install franchise utilities (i.e. Gas, Electric, Tele 10. Final grade site.
_	promote erosion.	11. Install pavement, curb, and other hardscape sti12. Stabilize ditches, swales, common areas and s
	4. Cleanup will be done in a manner to ensure that erosion control measures are not disturbed.5. The soil erosion controls are to be inspected once a week and within 24 hours of a 0.50 inch or	13. Establish permanent vegetation for all disturbe14. Remove all temporary erosion and sediment content
P	greater rain event. A written log of these inspections and improvements to controls shall be kept on site. The logs shall include the date of inspection, name of the inspector, weather conditions,	15. Clean out storm sewer system, infiltration, dete upon completion.
	actions taken to correct any problems and the date corrective actions were taken.6. Temporary soil stabilization shall occur within 7 days after rough grading if the area will remain	SOIL EROSION CONTROL MAINTENA
	idle longer than 14 days. Any disturbed area that is not going to be worked for 365 days or more must be permanently stabilized (seeded and mulched) within 7 days of most recent disturbance.	 Inlet protection devices and barriers shall be repa signs of undermining or deterioration.
	7. Trenches for underground utility lines and pipes shall be temporarily stabilized within 7 days if	 All seeded areas shall be checked regularly to se maintained. Areas should be fertilized, watered, a
N	they are to remain inactive for 14 days. Trench dewatering devices shall discharge in a manner that filters soil-laden water before discharging it to a receiving drainage ditch or pond. If seeding,	 Silt fences shall be repaired to their original condi- shall be removed from the silt fences when it read
	mulching or other erosion and sediment control measures were previously installed; these protective measures shall be reinstalled. Pipelines with joints that allow a manufactured length of pipe to be placed in the tranch with the pipe joint assembled/made in the tranch require an open	silt fence.The construction entrance shall be maintained in
_	pipe to be placed in the trench with the pipe joint assembled/made in the trench require an open pipeline trench that is only slightly longer than the length of pipe being installed. The total length of excervated trench open at any time should not be greater than the total length of pipeline (utility	tracking or flow of mud onto public rights-of-way.Sediment from the storm sewers, infiltration, deter
	of excavated trench open at any time should not be greater than the total length of pipeline/utility that can be placed in the trench and backfilled in one working day. No more than 50 linear feet of open trench should exist when pipeline/utility line installation coases at the end of the work	shall be removed as necessary to maintain prope
Л	of open trench should exist when pipeline/utility line installation ceases at the end of the work day.	SOIL EROSION CONTROL PRODUCT
	 Soil stockpiles shall be stabilized or protected to prevent soil loss. All disturbed areas shall be permanently stabilized within 7 days of final grading. Further, soil 	Filters (Dandy Products, Flexstorm, or equivalent).
	erosion control measures shall be maintained until permanent stabilization is complete, at which time temporary measures will be removed. Permanent vegetation is a ground cover dense	INSPECTION NOTES • Inspections shall be made weekly and within 24 he
	enough to cover 80% of the soil surface and mature enough to survive winter weather conditions.	inches within a 24 hour period. Inspection frequen monthly for dormant sites if the entire site is tempo
-	10. Silt fence to be 2' minimum from property lines in areas where work is near adjacent properties.	unlikely due to weather conditions for extended peOnly qualified inspection personnel shall perform i
	 The Contractor shall establish a permanent on-site benchmark prior to clearing, grubbing and/or demolition. 	 Inspection checklist shall be completed and signed inspection. The inspection checklist shall contain the
_	12. Haul Routes - The Contractor shall be responsible for the cleanup of any mud, dirt, or debris deposited on haul roads as a result of his operations. Soil shall be removed from roads and	name/title/qualifications of inspectors, weather for inspection (rainfall amounts, duration, etc.), weath
	paved surfaces at the end of each day in such a manner that does not create off-site sedimentation in order to ensure safety and abate off-site soil loss. Collected sediments shall be	discharges occuring at time of inspection, location pollutants from the site, location of BMP needing r
к	placed in a stable location on site or taken off-site to a stable location. Contractor shall use State Routes (and shortest distance non-state routes) for project haul route.	failed BMPs, location for additional BMPs needed corrective actions required including any changes
	13. No solid or liquid waste shall be discharged into storm water runoff.	implementation dates.The inspection records are to be kept 3 years after
_	14. Disposal of solid, sanitary and toxic waste - Solid, sanitary and toxic waste must be disposed of in a proper manner in accordance with local, state and federal regulations. It is prohibited to	 Activity. Non sediment pond BMPs are to be repaired 3 da
	burn, bury or pour out onto ground or into storm sewer any solvents, paint, stains, gasoline, diesel fuel, used motor oil, hydraulic fluid, antifreeze, cement curing compounds and other such	 sediment ponds to be repaired or cleaned out with If a BMP is not functioning like it was intended to it
J	toxic or hazardous waste. 15. Wash out of cement trucks should occur in the designated area where the washing can collect	days of inspection.For missing BMPs they shall be installed within 10
	and be disposed of properly when it hardens. 16. If a concrete washout area, and/or a stockpile area are needed, a delineated area for each must	
	be provided and maintained for them. Areas can be located in an alternate location than that shown on the plans if necessary due to construction operations and other field considerations.	
	17. No fuel storage is permitted on-site.	
н	 All storm sewers, infiltration, detention, and retention areas shall be cleared of construction sediment upon completion of construction. 	
	 The General Contractor shall be responsible for submitting a Notice of Intent (NOI) and Notice of Termination (NOT) as required by the Ohio EPA. 	
	20. The General Contractor is responsible for ensuring that all soil erosion and sediment control	
	practices comply with the Ohio EPA's General Permit for Construction No. OHC000006 and follow the best practices set forth in the ODNR Rainwater and Land Development Manual.	
G	 Dumpsters shall be provided for the disposal of debris, trash, hazardous and petroleum waste. All containers must be covered and leak proof. 	
	22. All construction and demolition debris waste will be disposed of in an OEPA approved Cⅅ landfill as required by Ohio Revised Code 3714.	
_	23. Any areas that will be used for mixing or storing fertilizers, lime, asphalt or concrete or used for vehicle fueling shall be designated and these areas should be kept away from any watercourses	
	or storm sewers.	
F	24. A Spill Prevention Control and Countermeasures (SPCC) Plan shall be developed if the site has one above ground storage tank of 660 gallons or more, total above ground tank storage of 1330 gallone, or below ground storage of 42,000 gallone of fuel.	
	gallons, or below ground storage of 42,000 gallons of fuel. 25. All contaminated soils must be treated and/or disposed in OEPA approved soild waste	
_	management facilities or hazardous waste treatment, storage or disposal facilities (TSDFs). 26. In the event of a large release of petroleum waste (25 gallons or more) contractor shall contact	
	OEPA at 1-800-282-9378, the local fire department and the local emergency planning committee (LEPC) within 30 minutes of spill.	
E	 27. Protected storage areas for industrial or construction materials shall be used to minimize exposure of such materials to storm water. 	
	28. If the Contractor uses pumps to assist in construction dewatering efforts, the water must be	
	filtered prior to discharging it into the municipal storm sewer system, ensuring that no soil, silt or sediment enters the system.	
	29. Contractor to review and determine the best locations for construction entrance, concrete washout, dumpsters, and other SWPPP elements. All dirt and sediment is to be kept off public	
D	streets. 30. Contractor shall coordinate all soil erosion control and construction entrance with the City of	
	30. Contractor shall coordinate all soll erosion control and construction entrance with the City of Centerville and the Ohio Department of Transportation prior to start.	
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SION CONTROL SEQUENCE OF CONSTRUCTION king pad atop geotextile liner.

erground utilities (i.e. Sanitary, Storm & Water)

filters on all storm inlets. chise utilities (i.e. Gas, Electric, Telephone & Cable TV). site.

ment, curb, and other hardscape structures/surfaces.

itches, swales, common areas and slopes. permanent vegetation for all disturbed areas. Il temporary erosion and sediment control devices.

storm sewer system, infiltration, detention, and retention areas letion.

SION CONTROL MAINTENANCE

n devices and barriers shall be repaired or replaced if they show rmining or deterioration. reas shall be checked regularly to see that a good stand is Areas should be fertilized, watered, and reseeded as necessary.

hall be repaired to their original conditions if damaged. Sediment oved from the silt fences when it reaches one-half the height of the tion entrance shall be maintained in a condition which will prevent

ow of mud onto public rights-of-way. m the storm sewers, infiltration, detention, and retention areas oved as necessary to maintain proper functionality.

SION CONTROL PRODUCT NOTES inlets shall be protected with Geotextile Inlet Protection or Inlet

ON NOTES

shall be made weekly and within 24 hours after a rain event of 0.5 a 24 hour period. Inspection frequency may be reduced to lormant sites if the entire site is temporarily stabilized or if runoff is weather conditions for extended periods of time. l inspection personnel shall perform inspections.

hecklist shall be completed and signed by the inspector after every he inspection checklist shall contain the following: date, alifications of inspectors, weather for the period since the last infall amounts, duration, etc.), weather and description of any occuring at time of inspection, location of discharges or other om the site, location of BMP needing maintenance, location of any , location for additional BMPs needed based on inspection, tions required including any changes to the SWP3 and n dates.

n records are to be kept 3 years after termination of construction

nt pond BMPs are to be repaired 3 days after inspections and nds to be repaired or cleaned out within 10 days after inspection. t functioning like it was intended to it shall be replaced within 10 tion.

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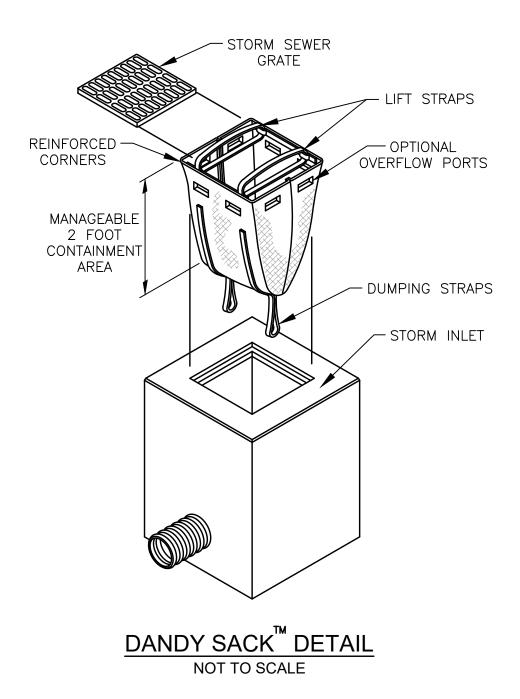
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BMPs they shall be installed within 10 days of inspection.



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LINER

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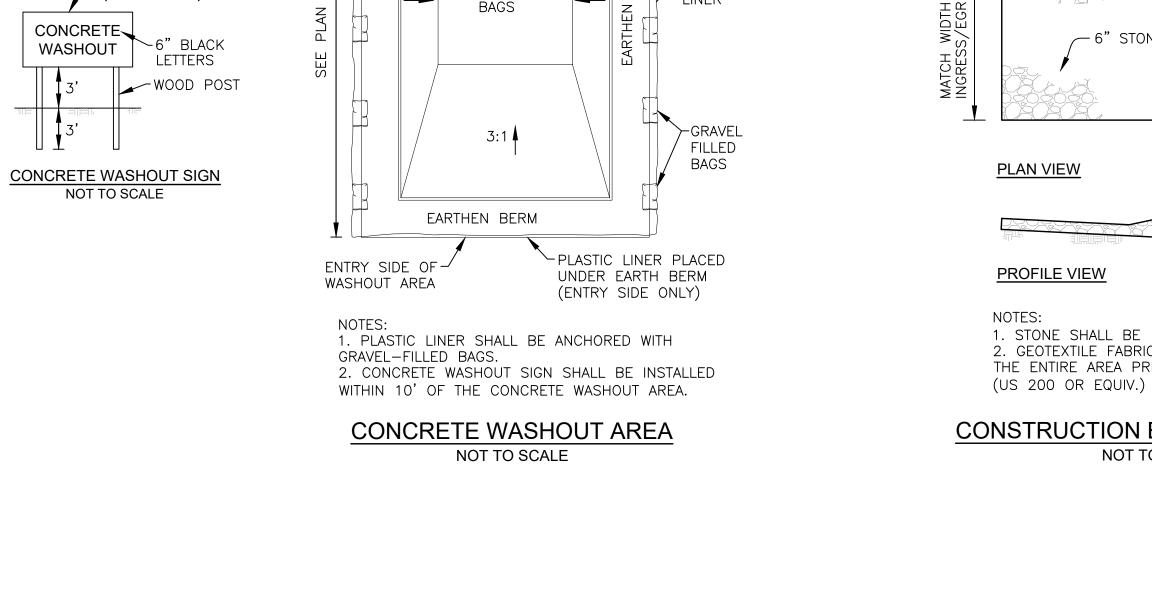
SEE PLAN

GRAVEL

FILLED BAGS

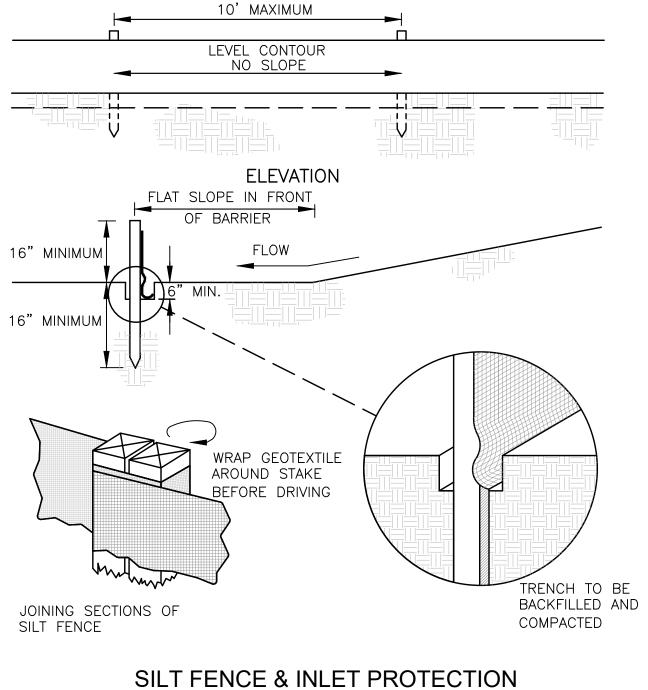
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CONCRETE

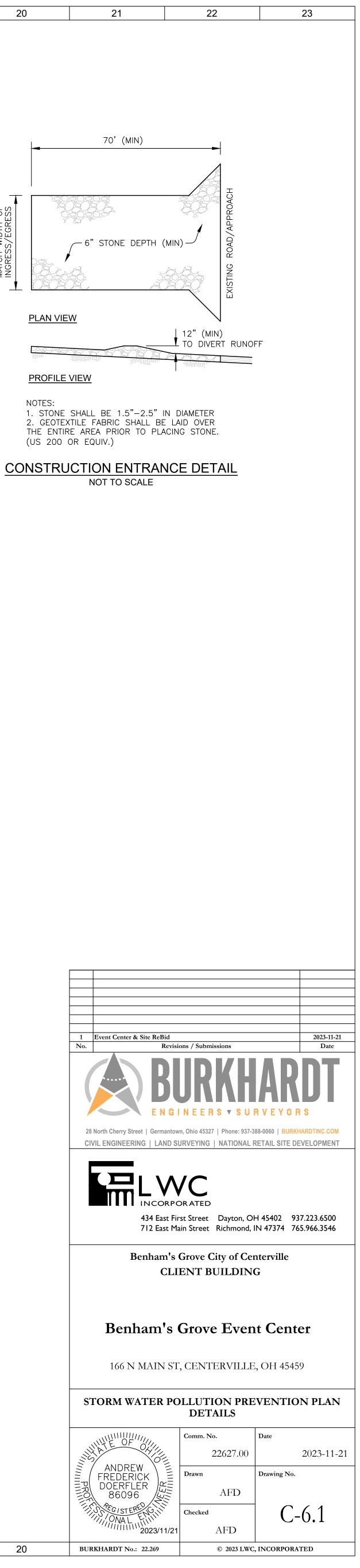


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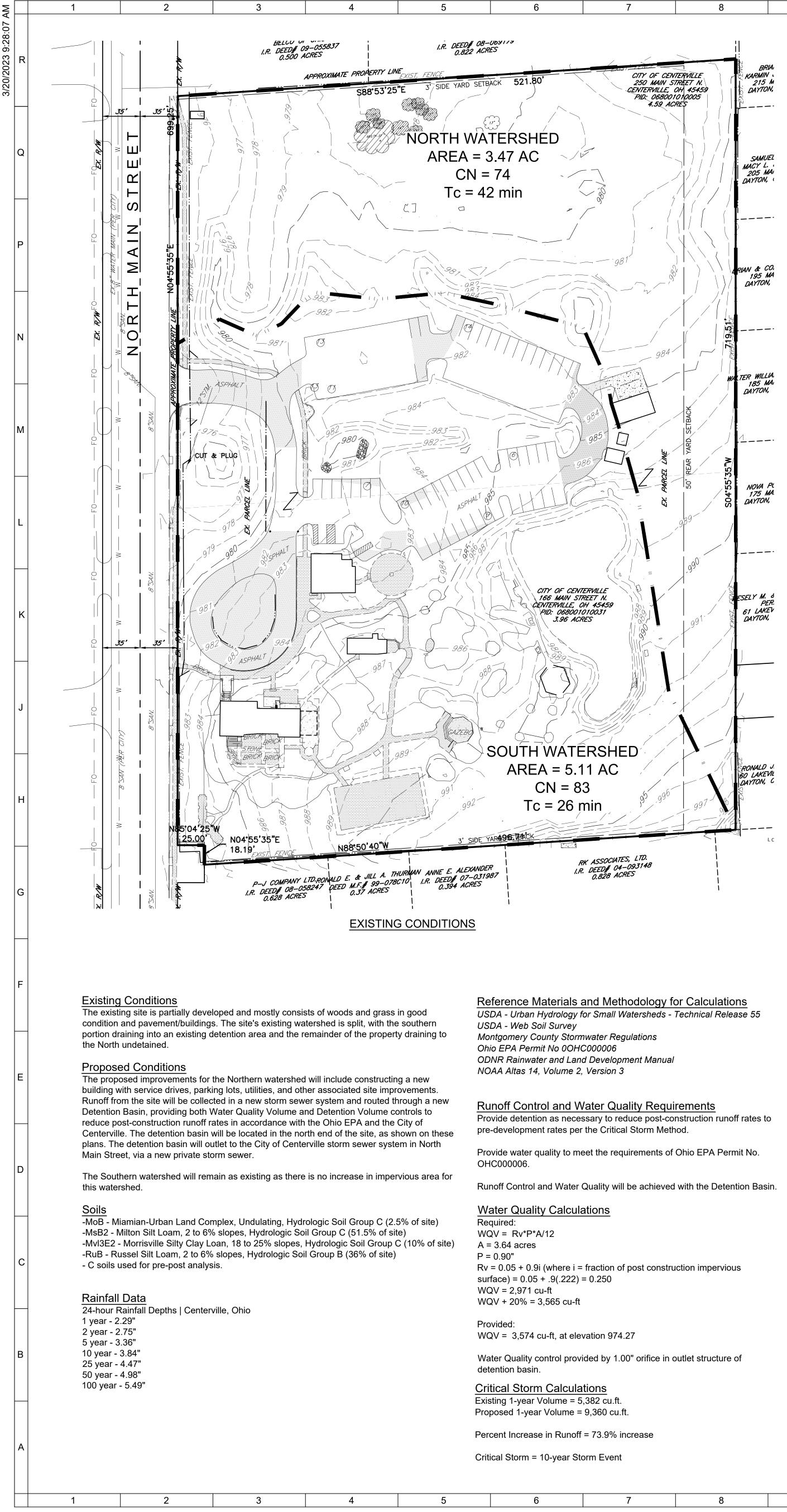
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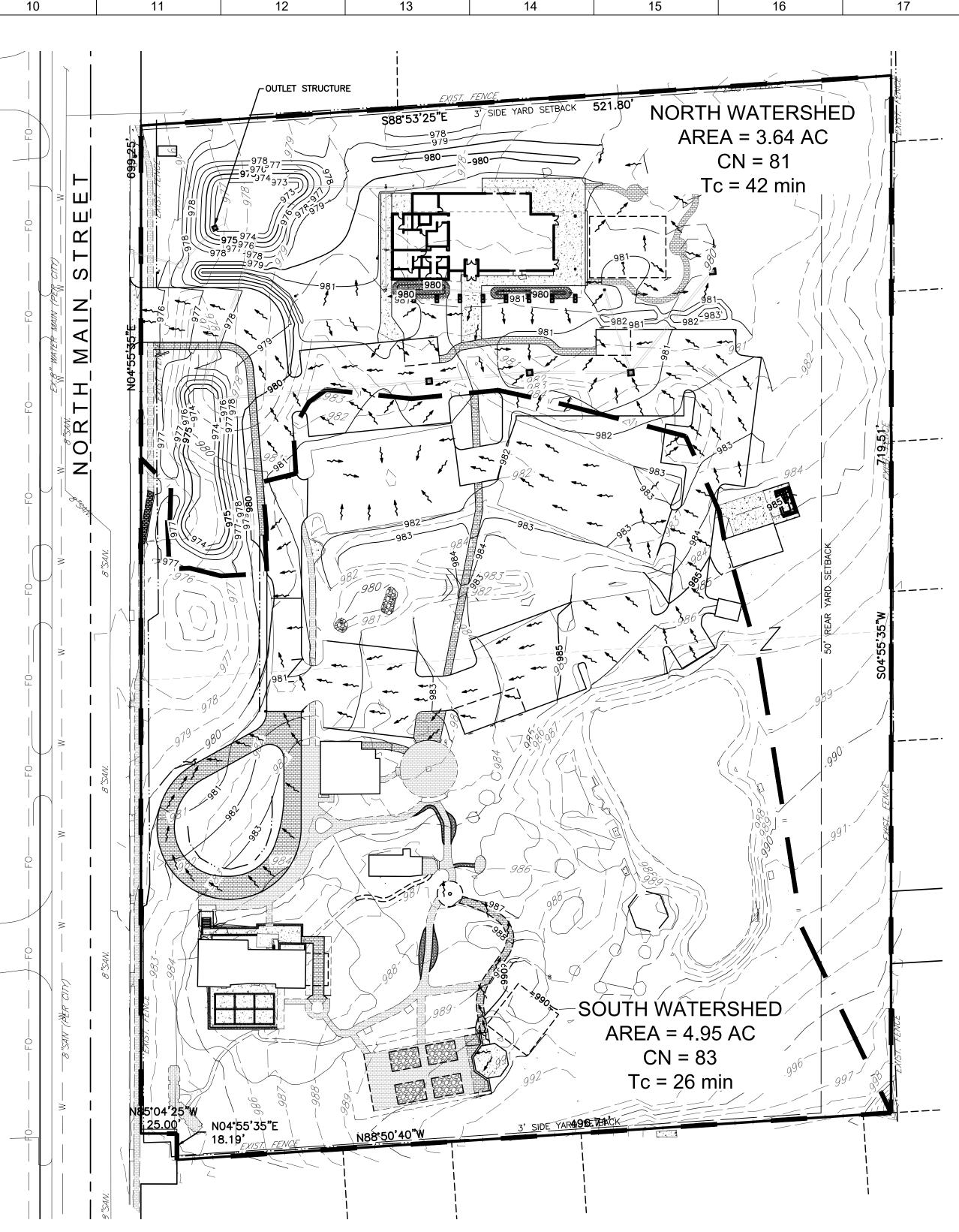






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PROPOSED CONDITIONS

DETENTION BASIN STAGE-STORAGE-DISCHARGE

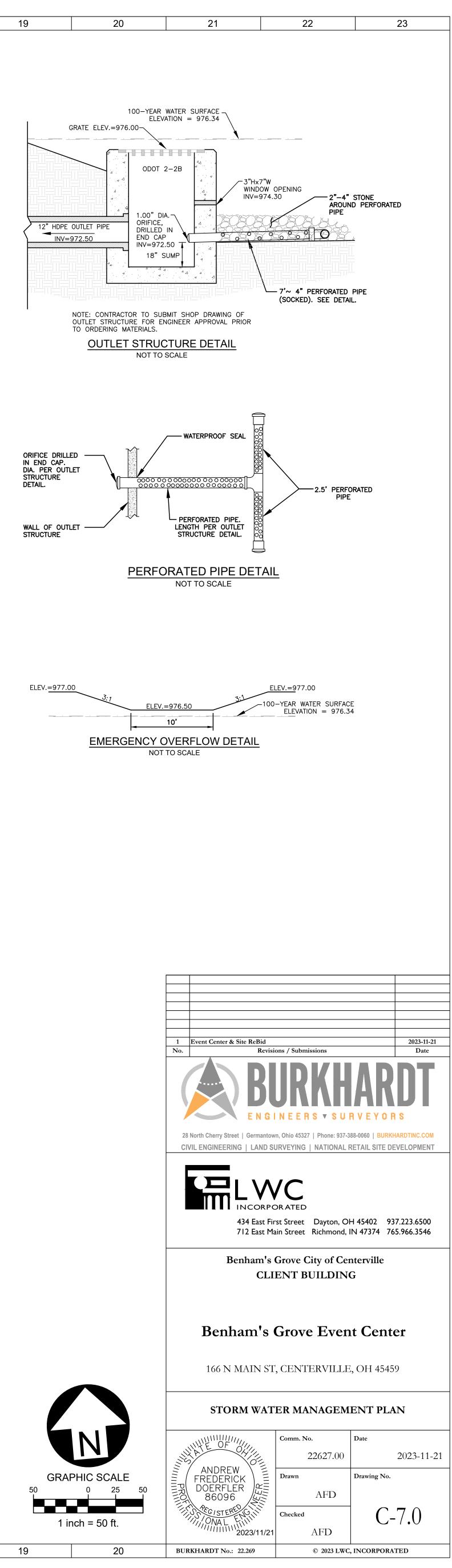
Elevation (ft)	Contour Area (sq.ft.)	Total Storage (cu.ft.)	Discharge (cfs)
972.50	10	0	0.00
973.00	1,521	276	0.02
974.00	3,879	2,885	0.03
975.00	5,324	7,468	0.57
976.00	6,893	13,559	0.93
977.00	8,638	21,309	17.90

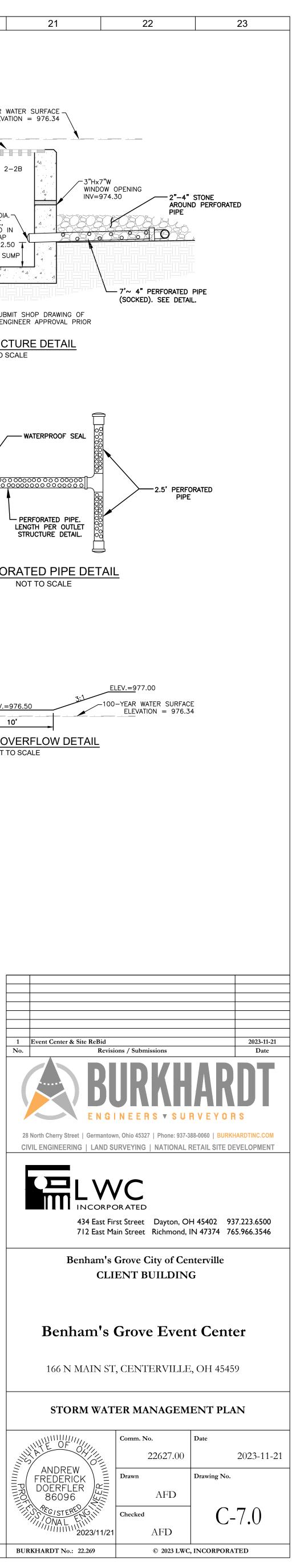
DETENTION BASIN PERFORMANCE TABLE

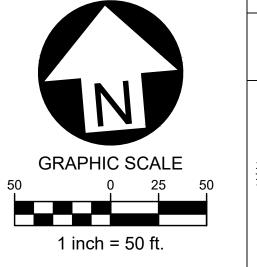
Event (yr)	Pre Development Discharge (cfs)	Post Development Discharge (Inflow) (cfs)	Allowable Peak Discharge (cfs)	Basin Discharge (Outflow) (cfs)	Water Surface Elevation	Basin Volume (cu.ft.)
1	0.95	1.87	0.95	0.30	974.57	5,338
2	1.58	2.72	0.95	0.53	974.92	7,028
5	2.55	3.95	0.95	0.76	975.46	10,059
10	3.38	4.95	0.95	0.90	975.89	12,839
25	4.55	6.32	4.55	2.61	976.16	14,660
50	5.53	7.45	5.53	4.40	976.26	15,377
100	6.54	8.59	6.54	6.21	976.34	15,997

HydroCAD used for storm water calculations and detention modeling.

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				Γ	DECIDUOUS TRE	ES		INSTILLI
		6		RED MAPLE - Acer r				2-1/2" cal. B/B 5
н		3	3	SUGAR MAPLE - Ace				2-1/2" cal. B/B 5
''		3		SHAGBARK HICKOR				2" <i>ca</i> l. B/B
		2	2	KENTUCKY COFFEE	TREE - Gymnocladus	dioicus 'Espresso-JFS	;' Espresso'	2-1/2" cal. B
		1	5	LOCUST - Gleditsia	triacanthos 'Moraine	5		2-1/2" cal. B/B 5
		3	1	TULIP TREE - Liriode	ndron tulipifera			2" cal. B/B
		2	5	LINDEN - Tilia americ	ana 'Redmond'			2-1/2" cal. B/B 5
G		3	1	PATRIOT ELM - Ulmi	ıs x 'Patrıot'			2-1/2" cal. B/B 5
				OF	RNAMENTAL TR	REES		
		9		RED BUD - Cercis d	canadensis			6' ht. B/B - Busł
		7	3	DOGWOOD - Corni	us florida 'Grovflor'			- /2" cal. B/B
		3				oacacia 'Purple Robe'		I-1/2" cal. B/B
		5						1-1/2 Cal. D/D
F		0.1			ERGREEN TREE		Creat,	6' ht. B/B
		21				dıshıı x plıcata 'Green (Jarit	
		13		NORWAY SPRUCE -	Pica abies			G' ht. B/B
					SHRUBS			
		10		GLOSSY ABELIA - Abe	elia x grandiflora			# 3 cont.
E		13		LITTLE HENRY SWEETS	SPIRE - Itea virginica 'S	Sprich'		# 3 cont.
-		42	34	CALGARY CARPET JU	NIPER - Juniperus sabi	na 'Monna'		# 3 cont.
		14		ANNABELLE HYDRANG	EA - Hydrangea arbor	escens 'Annabelle'		# 3 cont.
		25		RUBY SLIPPERS HYDR	RANGEA - Hydrangea	quercifolia 'Ruby Slippers'	1	# 3 cont.
		4		ST JOHN'S WORT - H	ypericum prolificum			# 3 cont.
		18		LITTLE DEVIL NINEBAR	RK - Physocarpus opu	lıfolius 'Donna May'		# 3 cont.
D		8	14	SUMMER WINE NINEE	BARK - Physocarpus op	pulifolius 'Summer Wine'		# 3 cont.
		5		SPICEBUSH - Lindera	benzoin			# 3 cont.
		5		RED DRIFT ROSE - RO	osa x 'Meigalpio'			# 3 cont.
		11		WHITE DRIFT ROSE -				# 3 cont.
		24		GOLD FLAME SPIREA	•			# 3 cont.
		10		NEON FLASH SPIREA	•	n Flash'		# 3 cont.
С		30		EVERLOW YEW - Taxus				24" spd. B/E
		4		LEATHERLEAF VIBURN				4' ht. B/B
		9		DWARF FOUNTAIN GR		pecurolaes hameln		# 3 cont.
					PERENNIALS		 	
		50			- Astılbe x arendsıı 'E			# cont.
			6		ysanthemum x superbi			# 2 cont.
В		7			osta seiboldiana 'Elgan	15 ¹		# cont.
		6		PATRIOT HOSTA - Ho	osta x 'Patriot'			# cont.
		32		FERN - Matteucia str	uthiopteris			# cont.
		40			YLILIES - Hemerocallıs			# cont.
		18			hera micrantha Palace	Purple		# cont.
		150		MYRTLE - Vinca mino				2-1/4" pp/ 1
A	A1	PLAN	NT MA	TERIALS	LIST			
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PLANT NAME

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BASE BID

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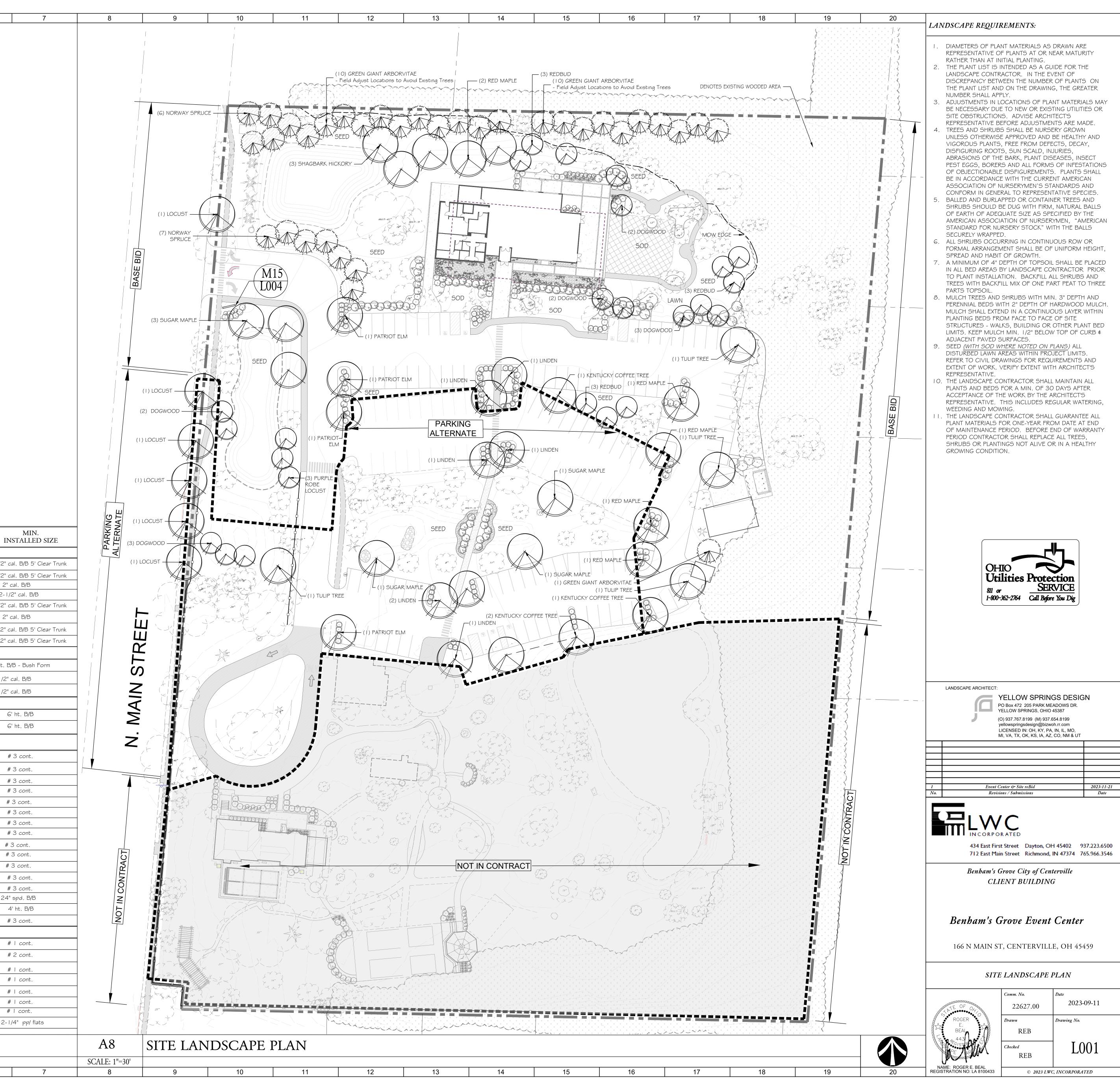
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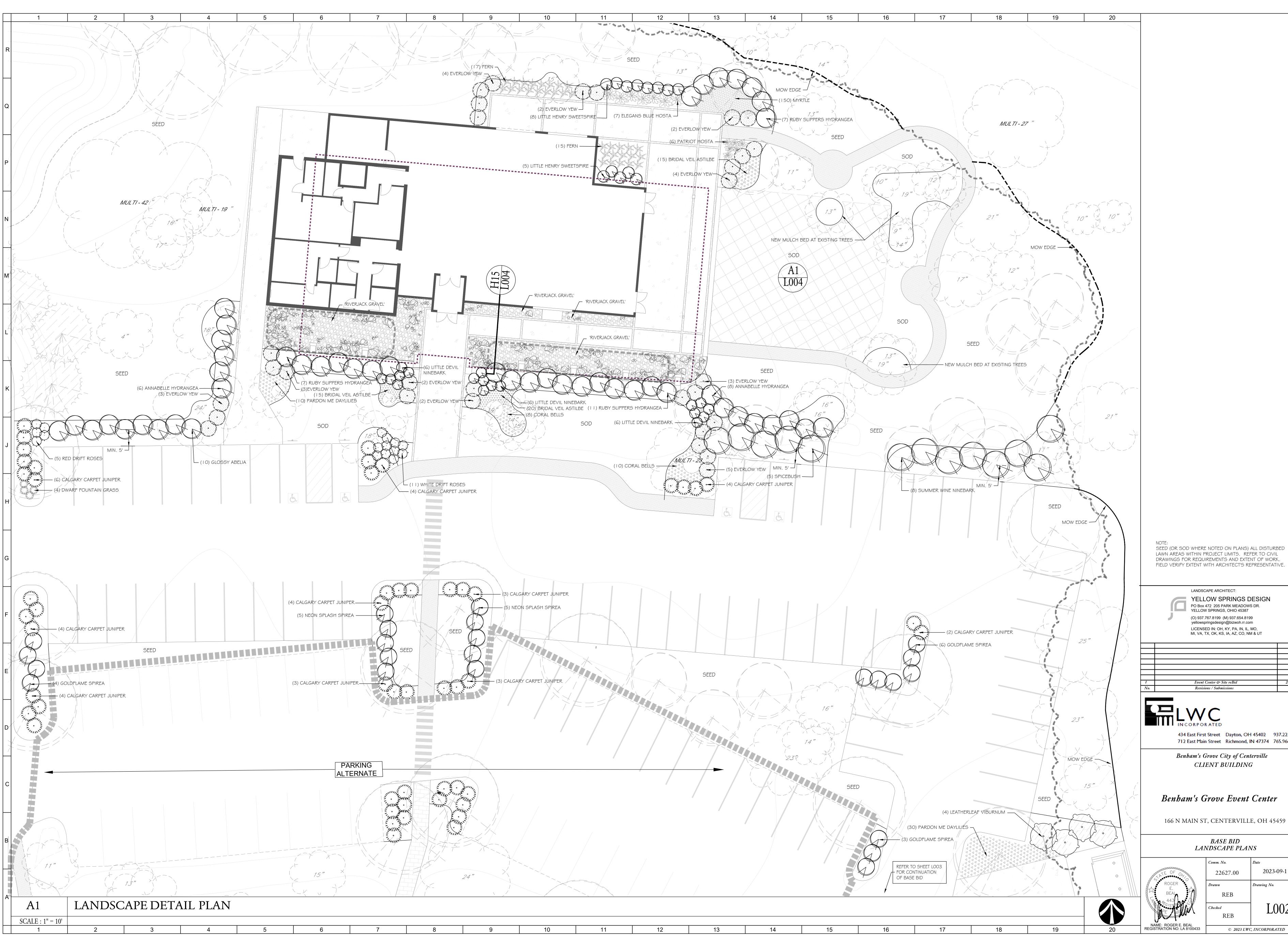
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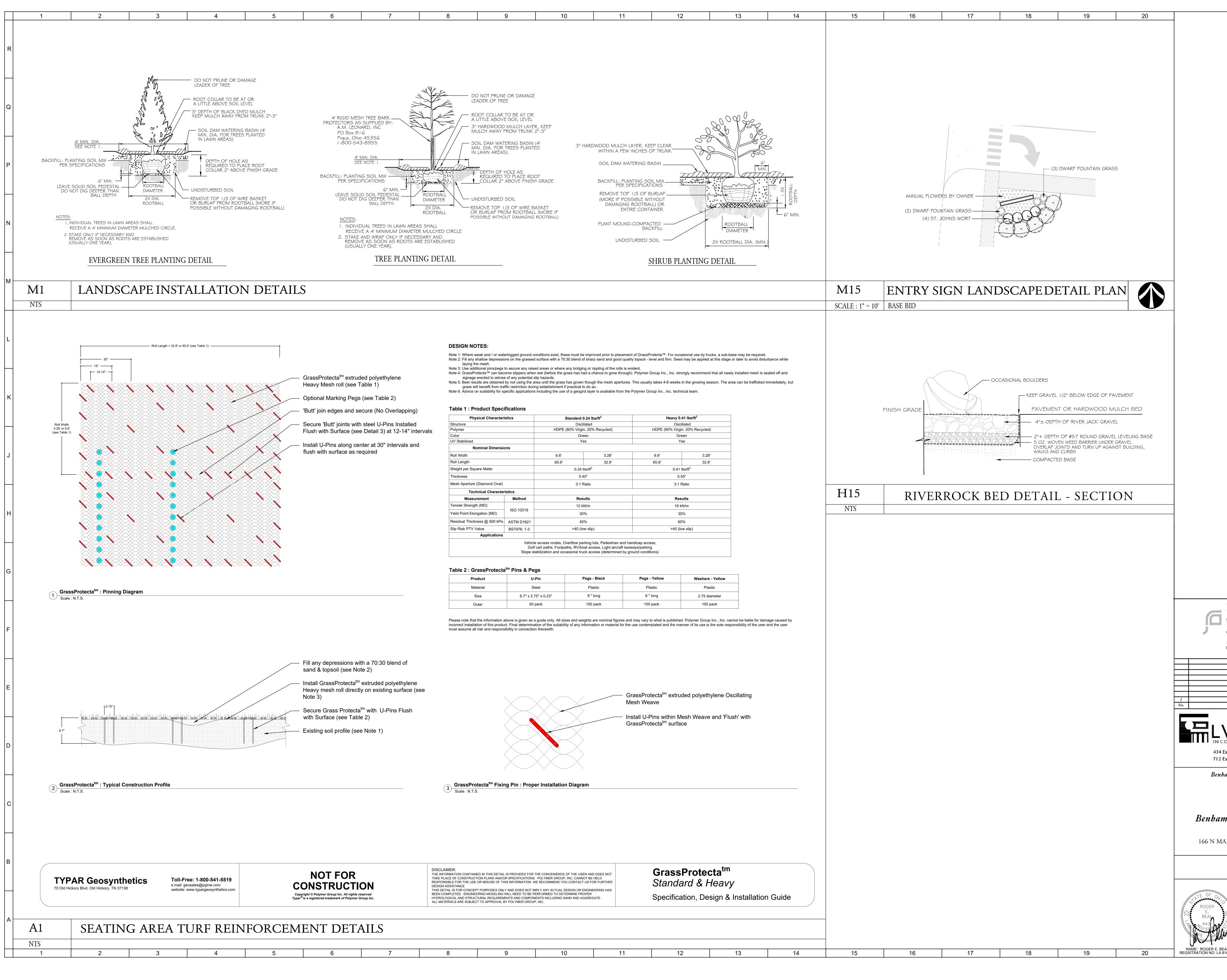




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	Center & Site reBid		2023-11-21
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YELLO PO Box YELLO (O) 937 yellows LICENS	CAPE ARCHITECT: LOW SPRINGS E 472 205 PARK MEADOW W SPRINGS, OHIO 45387 .767.8199 (M) 937.654.819 pringsdesign@bizwoh.rr.co SED IN: OH, KY, PA, IN, IL, TX, OK, KS, IA, AZ, CO, N	'S DR. 99 m MO,	
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Physical Characteristics		Standard 0.24 lbs/ft ²		Heavy 0.41 lbs/ft ²		
Structure		Osc	illated	Osci	Oscillated	
Polymer		HDPE (80% Virgin, 20% Recycled)		HDPE (80% Virgin, 20% Recycled)		
Color	Green		een	Green		
UV Stabilized		Y	es	Ye	es	
Nominal Dimension	ons					
Roll Width		6.6' 3.28'		6.6'	3.28'	
Roll Length		65.6'	32.8'	65.6'	32.8'	
Weight per Square Meter		0.24 lbs/ft ²		0.41 lbs/ft ²		
Thickness		0.45"		0.55"		
Mesh Aperture (Diamond Oval)		3:1 Ratio		3:1 Ratio		
Technical Character	istics			1		
Measurement	Method	Res	ults	Results		
Tensile Strength (MD)		12 k	:N/m	16 kN/m		
Yield Point Elongation (MD)	ISO 10319	30%		35%		
Residual Thickness @ 500 kPa	ASTM D1621	45%		60	%	
Slip Risk PTV Value	BS7976: 1-3	>40 (lo	ow slip)	>40 (lo	w slip)	
Applications				1		

2 : GrassProtecta tm Pins & Pegs						
Product	U-Pin	Pegs - Black	Pegs - Yellow	Washers - Yellow		
Material	Steel	Plastic	Plastic	Plastic		
Size	6.7" x 2.75" x 0.23"	6 " long	6 " long	2.75 diameter		
Outer	50 pack	100 pack	100 pack	100 pack		

YELLOV PO Box YELLOV (O) 937. yellowsp	APE ARCHITEC OW SPRI 472 205 PARK V SPRINGS, OF 767.8199 (M) 9 oringsdesign@b ED IN: OH, KY,	MEADOW 110 45387 37.654.819 izwoh.rr.col PA, IN, IL,	S DR. 9 m MO,	
	ED IN. OH, KY, FX, OK, KS, IA,			
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WIDE FLANGE SECTIONS AND TEES ASTM A992 (50 KSI) [CORTEN ASTM A847] STRUCTURAL HSS TUBING A500 Gr.C (50 KSI) [CORTEN ASTM A588] STEEL PIPE A500 Gr. C (46 KSI) OTHER ROLLED PLATE/SHAPES A36 (36 KSI) UNLESS NOTED OTHERWISE, BASE PLATE ANCHOR RODS SHALL BE ASTM F1554 (36 KSI); USE NONSHRINK GROUT C1107 (8000 PSI). STRUCTURAL STEEL CONNECTIONS SHALL CONSIST OF 3/4" DIAM. HIGH STRENGTH ASTM F-1852 BOLTS AND/OR WELDS WITH E70-XX ELECTRODES. USE SHEAR TYPE CONNECTIONS SELECTED BY THE FABRICATOR FOR THE UNFACTORED SHEAR FORCES INDICATED ON PLAN IN ACCORDANCE WITH THE AISC SPECIFICATIONS FOR ALLOWABLE STRESS DESIGN, U.N.O. USE 5/16" THICK DOUBLE ANGLE CONNECTIONS, AS DETAILED IN THE AISC "MANUAL OF STEEL CONSTRUCTION"), U.N.O. ON STRUCTURAL DRAWINGS.

DIVISION 5 - METALS

REQUIRED.

TRUCTURAL STEE

FOLLOWING ASTM SPECIFICATIONS:

LOCATE ALL WELD SEAMS OF TUBES EXPOSED TO VIEW IN THE DIRECTION OF THE EXTERIOR OF THE BUILDING BOLT HEADS WITHIN AN INDIVIDUAL CONNECTION SHALL BE INSTALLED FROM THE SAME DIRECTION FOR EACH BOLT FOR VISUAL CONSISTENCY . UNLESS NOTED OTHERWISE, PROVIDE CONTINUOUS 1/4 FILLET WELDS PER AISC REQUIREMENTS. TYPICAL LINTELS FOR MASONRY OPENINGS SHALL BE AS FOLLOWS, U.N.O. ON PLANS:

ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH

THE LATEST AISC RECOMMENDATIONS AND CONFORM TO ANSI/AISC 360-10 AND AISC

303-10 INCLUDED IN THE 14TH EDITION OF THE "STEEL CONSTRUCTION MANUAL".

GENERAL (ALL TRADES) NOTE 1. OTHERWISE SHOP SPECIAL INSPECTIONS WILL BE

UNLESS NOTED OTHERWISE, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE

STEEL FABRICATORS SHALL BE AN AISC CERTIFIED SHOP AND SHALL SATISFY

L3 1/2 x 3 1/2 x 5/16" ANGLES, EACH 4" WALL WIDTH, 4'-0" OPENINGS OR LESS (8" MINIMUM END BEARING, TYP. EACH END) L5 x 3 1/2 x 5/16" ANGLES. L.L.V., EACH 4" WALL WIDTH, 4'-1" TO 6'-8" OPENINGS (8" MINIMUM END BEARING, TYP. EACH END) W8X18 WITH 5/16" PLATE CONTINUOUS (EXTEND PLATE TO END OF BEAM),

6'-9" TO 12'-0" CMU OPENINGS. 12" MIN. BR'G. E.E. UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, INCLUDING ALL BRICK LINTEL ANGLES AND PLATES, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153. COORDINATE ALL ROOF AND FLOOR OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, FRAME OPENINGS WITH L3x3x1/4"

ANGLES TYPICAL U.N.O. CONTRACTOR TO VERIFY UNIT SIZES, WEIGHTS, AND LOCATIONS BEFORE ERECTION. ALLOWANCE: FABRICATOR/ERECTOR SHALL ALLOW FOR 500# OF ADDITIONAL MISC. METAL FOR JOB SITE USE, IN PLACE, WHICH INCLUDES PLATES, ANGLES, ETC. TO COVER CORRECTIONS MADE ON THE SHOP DWGS. AND STEEL ADDED BY THE

STRUCTURAL ENGINEER DURING FIELD OBSERVATIONS. FABRICATOR/ERECTOR SHALL ALLOW FOR 500# OF ADDITIONAL STRUCTURAL STEEL FOR JOB SITE USE, IN PLACE, WHICH INCLUDES BEAMS, COLUMNS, ETC. TO COVER CORRECTIONS MADE ON THE SHOP DWGS. AND STEEL ADDED BY THE STRUCTURAL ENGINEER DURING FIELD OBSERVATION.

STEEL ROOF DECK SHALL BE 22 Ga. CORTEN. INSTALL HIGH TEMPERATURE WEATHER BARRIER BETWEEN DECK AND WOOD SHEATHING BELOW. FLOOR DECK FOR STAIR LANDINGS SHALL BE 2" - 20 GA. FORM DECK GALVANIZED G90 PER ASTM A653, U.N.O.

<u>DIVISION 6 - WOOD</u> WOOD FRAMING SHALL BE OF THE FOLLOWING MINIMUM GRADE AND SPECIES, UNO BUILT-UP STUD COLUMNS AND WALL PLATES SHALL BE No.2 SOUTHERN YELLOW

PINE (SYP). STUD FRAMING SHALL BE No.1/No.2 SPRUCE-PINE-FIR (SPF), U.N.O. OTHER MISCELLANEOUS WOOD FRAMING - No.1/No.2 SPF

ALL NAILING NOT OTHERWISE INDICATED SHALL BE IN ACCORDANCE WITH THE "FASTENING SCHEDULE" PER OBC TABLE 2304.10.1 HOLES AND NOTCHES DRILLED OR CUT INTO THE WALL STUD FRAMING SHALL NOT EXCEED THE RESTRICTIONS SET FORTH IN OBC 2308.5.9 AND 2308.5.10 HOLES AND NOTCHES DRILLED OR CUT INTO JOISTS SHALL NOT EXCEED THE RESTRICTIONS SET FORTH IN OBC 2308.4.2.4.

ALL WOOD SHEATHING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICAN PLYWOOD ASSOCIATION (APA) SPECIFICATIONS, AND SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF VOLUNTARY PRODUCT STANDARDS PS1, PS2, OR APA PRP-108 PERFORMANCE STANDARDS. APA RATED SHEATHING APPLIES TO PLYWOOD OR ORIENTED STRAND BOARD

(OSB). UNLESS SPECIFICALLY NOTED, EITHER MAY BE USED. ALL ROOF PANELS SHALL BE 19/32 APA RATED SHEATHING, EXPOSURE 1 ("CDX"). U.N.O.. SUITABLE EDGE SUPPORT SHALL BE PROVIDED BY USE OF PANEL CLIPS OR BLOCKING BETWEEN FRAMING, AS RECOMMENDED BY APA, WHEN TONGUE & GROOVE ROOF SHEATHING IS NOT PROVIDED. CONNECT ROOF SHEATHING WITH 8D COMMON NAILS (D=0.131", L=2-1/2") AT 6"o.c. AT SUPPORTED PANEL EDGES AND 12"o.c. AT INTERMEDIATE SUPPORTS, U.N.O. INCREASE NAILING TO 4" o.c. AT ALL OVERHANGS

ALL FLOOR PANELS SHALL BE 3/4 APA RATED STURD-I-FLOOR SHEATHING, EXPOSURE 1, WITH TONGUE AND GROOVE EDGES. INSTALL SMOOTH SIDE UP. GLUE AND NAIL FLOOR SHEATHING TO JOISTS AND EACH OTHER WITH 8D RING OR SCREW-SHANK NAILS (D=0.131", L=2-1/2") AT 6"o.c. AT SUPPORTED EDGES AND 12"o.c. AT INTERMEDIATE SUPPORTS, U.N.O. FIELD-GLUE FLOOR SHEATHING USING ADHESIVES MEETING APA SPECIFICATIONS

AFG-01 OR ASTM D3498, AND APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. UNLESS NOTED OTHERWISE AS A SHEARWALL, ALL WALL PANELS SHALL BE 15/32

13 APA RATED SHEATHING, EXPOSURE 1 ("CDX"). CONNECT WALL SHEATHING WITH 8D COMMON NAILS (D=0.131", L=2-1/2") AT 6"O.C. AT SUPPORTED PANEL EDGES AND 12"O.C. AT INTERMEDIATE SUPPORTS, U.N.O.

SPECIFICATIONS FOR GLUED-LAMINATED WOOD CONSTRUCTION GENERAL

- 1. CODE AND REFERENCE STANDARDS: AITC "TIMBER CONSTRUCTION MANUAL", LATEST EDITION. ANSI / AF&PA "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION", LATEST EDITION. DESCRIPTION OF WORK: THE EXTENT OF GLUED-LAMINATED TIMBER WORK IS SHOWN ON DRAWINGS. EITHER
- BY TERMINOLOGY USED IN THIS SPECIFICATION OR BY THE ABBREVIATIONS AS INDICATED. GLUED-LAMINATED TIMBER IS HEREBY DEFINED TO INCLUDE WOOD MEMBERS FABRICATED FROM 1 OR 2 INCH NOMINAL THICKNESS LUMBER GLUED FACE-TO-FACE WITH THE GRAIN OF ALL LAMINATES APPROXIMATELY PARALLEL LONGITUDINALLY.
- QUALITY ASSURANCE: STANDARDS. TO COMPLY WITH THE "STRUCTURAL GLUED-LAMINATED TIMBER" ANSI/AITC A190.1-LATEST EDITION.
- MANUFACTURER. PROVIDE FACTORY-GLUED TIMBER UNITS, PRODUCED BY A SINGLE AITC LICENSED FIRM, QUALIFIED TO ISSUE THE AITC "QUALITY INSPECTED " MARK. FACTORY MARK EACH PIECE OF GLUED-LAMINATED TIMBER WITH AITC QUALITY INSPECTED MARK. PLACE AITC MARK ON TIMBER SURFACES THAT WILL NOT BE EXPOSED IN COMPLETE
- WORK 1. APPROVED MANUFACTURE: STRUCTURAL WOOD SYSTEMS. P.O. BOX 250. GREENVILLE, AL 36037, CONTACT RICK TAYLOR @ (334) 382-6534 SALES@STRUCTURALWOOD.COM 2. OTHER MANUFACTURER WITH PRIOR APPROVAL.
- SUBMITTALS: PRODUCT DATA. SUBMIT CERTIFICATION, INDICATING GLUED-LAMINATED TIMBERS COMPLY WITH REQUIREMENTS OF ANSI/AITC A190.1-LATEST EDITION.

SHOP DRAWINGS: SUBMIT SHOP DRAWINGS PREPARED UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER, LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED, SHOWING FULL DIMENSIONS OF EACH MEMBER. INDICATE SPECIES AND STRESS GRADE OF LUMBER, TYPE OF GLUE, AND OTHER VARIABLES IN REQUIRED WORK, FURNISH ELECTRONIC SETS OF SHOP DRAWINGS IN PDF FORMAT FOR APPROVAL BY THE

BUYERS APPROVING AGENCY. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND BE RESPONSIBLE FOR COORDINATING SAME. LAMINATED TIMBER MANUFACTURER IS REQUIRED TO HAVE A LICENSED PROFESSIONAL ENGINEER ON STAFF.

MATERIALS: IIIMRFR[.]

COMPLY WITH ANSI/AITC A190.1 AND APPLICABLE LUMBER ASSOCIATION STANDARDS CITED THEREIN FOR GRADES REQUIRED TO ACHIEVE GLUED-LAMINATED TIMBER REQUIREMENTS FOR ALLOWABLE STRESS APPEARANCE, FABRICATION LIMITATIONS A SPECIES. LAMINATING COMBINATIONS SHALL BE VISUALLY GRADED AS DETERMINED I MANUFACTURER:

PRESERVATIVE TREATMENT. (ALL GLULAM BENTS, BEAMS, AND COLUMNS) PRESSURE TREAT ALL LUMBER PRIOR TO GLUING WITH ADVANCED TYPE 'C' FORMULATION OF MICRONIZED COPPER AZOLE (MCA-C) WATER BORNE TREATMENT I ACCORDANCE WITH AITC 109 "STANDARD FOR PRESERVATIVE TREATMENT OF STRUCTURAL GLUED-LAMINATED TIMBER." (0.15 PCF) ABOVE GROUND. LUMBER SPECIES.

SOUTHERN PINE

ADHESIVE ADHESIVES SHALL BE WET-USE (WATERPROOF) COMPLYING WITH ANSI/AITC A190.1. ADHESIVES SHALL CONTAIN NO UREA FORMALDEHYDE.

6. TIMBER DESIGN: GENERAL.

GLUED LAMINATED MEMBERS TO BE SIZED BY MANUFACTURER (MINIMUM SIZE SHOW JRAWINGS). FINAL CROSS SECTIONS WILL BE BASED ON MANUFACTURER'S STAND WIDTHS AND DEPTHS. MANUFACTURER TO PROVIDE DESIGN VALUES (STRESSES) TO FULFILL STRUCTURAL DEMAND IN ACCORDANCE WITH APPLICABLE PROVISIONS OF A 117 "DESIGN, STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED-LAMINATED TIMB OF SOFTWOOD SPECIES."

EXCEPT AS OTHERWISE INDICATED, FABRICATE HORIZONTAL LOAD BEARING MEMBER WITH A CAMBER AS SHOWN ON THE DRAWINGS.

STEEL CONNECTIONS. LAMINATED TIMBER MANUFACTURER TO SUPPLY ALL FABRICATED STEEL CONNECTIO TO JOIN LAMINATED TO LAMINATED, AND LAMINATED TO SUPPORTS EXCLUSIVE OF ITI EMBEDDED IN CONCRETE OR WELDED TO STRUCTURAL STEEL OR CONNECTED TO S WALLS. HARDWARE SHALL BE PRE-FIT AND MATCH-MARKED IN THE MANUFACTURING

- FACILITY STEEL WORK TO CONFORM TO A.I.S.C. SPECIFICATIONS. STEEL SHALL CONFORM TO ASTM A-36. BOLTS SHALL CONFORM TO ASTM A-307.
- FINISH ALL FABRICATED ASSEMBLIES WITH HOT-DIP GALVANIZED COATING (AS 153), INCLUDING BOLTS AND OTHER FASTENERS. APPLY BLACK POWDER COATED PAINT TO CONNECTION ASSEMBLIES EXPOSE
- F **GLULAM TO GLULAM CONNECTIONS SHALL UTILIZE CONCEALED CONNECTOR TO THE LARGEST EXTENT PRACTICAL.**

APPEARANCE GRADE:

PROVIDE PREMIUM APPEARANCE GRADE TIMBERS COMPLYING WITH AITC 110 PREMIUM IS THE HIGHEST STANDARD APPEARANCE GRADE. MINIMIZE USE OF FINGER JOINTING IN PLIES EXPOSED TO VIEW AT EYE LEVEL. FINISH: FACTORY FINISHED WITH (1) COAT OF MANUFACTURERS SEMI-TRANSPARENT OIL-BAS

STAIN. MANUFACTURER TO SUBMIT COLOR SELECTION SAMPLES OF FINISH FOR APPROVAL. FACTORY APPLIED PROTECTION: IMMEDIATELY AFTER END-CUTTING EACH MEMBER TO FINAL LENGTH. APPLY A

SATURATION COAT OF END SEALER TO ENDS AND OTHER CROSS-CUT SECTIONS. INDIVIDUALLY WRAP GLUED LAMINATED TIMBERS WITH MANUFACTURER'S STANDARD WATER-RESISTANT, PLASTIC COATED PAPER. PRODUCT HANDLING: SCHEDULE DELIVERY AND INSTALLATION OF GLUE-LAMINATED WOOD MEMBERS TO A EXTENDED ON-SITE STORAGE. COMPLY WITH AITC III-"RECOMMENDED PRACTICE FOR

PROTECTION OF STRUCTURAL GLUED-LAMINATED TIMBER DURING TRANSIT, STORAG AND ERECTION." KEEP LAMINATED WOOD MEMBERS AS DRY AS POSSIBLE DURING AL PHASES OF CONSTRUCTION. IF JOBSITE STORAGE IS NECESSARY, PLACE MEMBERS (BLOCKING AWAY FROM PONDING WATER AND COVER WITH A WATERPROOF COVERIN WHICH WILL NOT ALLOW ULTRAVIOLET RAY PENETRATION. TIME OF REMOVAL OF FACTORY WRAPPING IS OPTIONAL, BUT IT MUST BE EMPHASIZED THAT FACTORY APP WRAPPING PROVIDES ADDITIONAL PROTECTION FROM DAMAGE IN HANDLING AND IN-TRANSIT ONLY. IF FURTHER UTILIZATION OF THE WRAP IS DESIRED FOR PROTECTION

AFTER SHIPMENT, THE MEMBERS SHOULD BE INSPECTED AND PROVIDED WITH ADDITIONAL PROTECTION AS NECESSARY. IF IT IS IMPRACTICAL TO REPLACE WRAPPI ALL OF IT SHOULD BE REMOVED. DO NOT LEAVE MEMBERS PARTIALLY EXPOSED DUE POTENTIAL SUN BLEACHING. DO NOT ALLOW MOISTURE TO ACCUMULATE INSIDE WRAPPING. DO NOT REMOVE WRAPPING ON INDIVIDUALLY WRAPPED MEMBERS UNTI WILL SERVE NO USEFUL PURPOSE, INCLUDING PROTECTION FROM THE WEATHER, SOILING AND DAMAGE FROM WORK OF OTHER TRADES.

IT IS IMPERATIVE THAT THE FIELD HANDLING INSTRUCTIONS SHEET THAT COMES WITH THE MATERIAL SHIPMENT BE THOROUGHLY REVIEWED BEFORE UNLOADING. 11. INSTALLATION:

GENERAL. THE ANCHOR BOLT SETTINGS AND/OR BEARING ELEVATIONS MUST BE HELD WITHIN ' THE DIMENSIONS SHOWN ON THE SHOP DRAWINGS. ALL MEMBERS MUST BE ADEQUA BRACED UNTIL THE COMPLETE STRUCTURAL SYSTEM (ALL PERTINENT CONSTRUCTIO

MATERIALS) HAS BEEN INSTALLED. CORRECTION OF MINOR MISFITS AND A REASONAB AMOUNT OF CUTTING. REAMING. RE-DRILLING OR ALIGNMENT WITH DRIFT PINS WILL CONSIDERED A LEGITIMATE EXPENSE OF ERECTION.

BOLTS SHALL BE TIGHTENED TO SNUG TIGHT DRAWING ALL PLIES OF MATERIALS TO B JOINED TOGETHER. WASHERS ARE REQUIRED UNDER ALL BOLT HEADS AND NUTS AN TIGHTENING OF BOLTS SHALL NOT CRUSH WOOD FIBERS.

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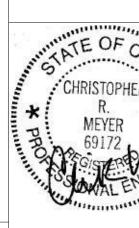
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16 17 18	19		20	21	22		23
ENGINEERED WOOD I-JOISTS		WOOD F	ASTENER	<u>NOTES</u>			
1. PREFABRICATED WOOD I-JOISTS SHALL BE DESIGNED AND FURNISHED IN ACCORDANC CURRENT CODE ACCEPTED EVALUATION REPORT. STRUCTURAL CAPACITIES AND DES PROVISIONS SHALL BE ESTABLISHED AND MONITORED IN ACCORDANCE WITH ASTM D5	6055.	1. TERMINOLOGY	I SPECIFICATION FOR WO		N (ANSI/AWC NDS-2018 ; Ch.	,	
 WOOD JOISTS SHALL BE DESIGNED BY THE MANUFACTURER TO SUPPORT THE LOADS I UNLESS OTHERWISE INDICATED, JOISTS SHALL BE DESIGNED FOR THE FOLLOWING: A. LIVE LOAD = 80 PSF B. DEAD LOAD = 12 PSF 	INDICATED.	NEAREST FAST PERPENDICULA	ENER, MEASURED PERPE R TO GRAIN, THE LOADE	ENDICULAR TO GRA D EDGE SHALL BE I	MEMBER TO THE CENTER O AIN. WHEN A MEMBER IS LOA DEFINED AS THE EDGE IN TH E UNLOADED EDGE SHALL B	ADED IE	
 C. SNOW LOAD = SEE DRIFT LOADS D. WIND LOAD = 15 PSF NET UPLIFT PRESSURE (ROOF JOISTS ONLY) 3. WOOD I-JOISTS SHALL BE ERECTED IN ACCORDANCE WITH THE MANUFACTURER'S REG THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY AND PERMANENT BRACING AS RE 		B. "END DISTANCE END OF A MEM	BER TO THE CENTER OF	SURED PARALLEL T	O GRAIN FROM THE SQUARI FENER. ENERS MEASURED ALONG A		
 SAFE ERECTION AND PERFORMANCE OF THE JOISTS. 4. WOOD I-JOISTS SHALL NOT BE CUT, NOTCHED, COPED, DRILLED OR OTHERWISE ALTER WAY UNLESS SPECIFICALLY CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER' REQUIREMENTS. **DO NOT CUT FLANGES** 		JOINING THEIR D. A "ROW OF FAS DIRECTION OF	CENTERS. TENERS" IS DEFINED AS LOAD.	TWO OR MORE FAS	STENERS ALIGNED WITH THE	E	
 WOOD I-JOISTS SHALL BE STORED IN BUNDLES IN AN UPRIGHT POSITION AND AWAY FR CONTACT. ANY DAMAGE TO JOISTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION JOIST SUPPLIER. FIELD REPAIR OR MODIFICATION OF JOISTS MUST NOT BE MADE WITH 	N OF THE	CONCRETE ALS 2. BOLT A. INSTALLATION	SO APPLY. REQUIREMENTS APPLY T	O BOLTS MEETING	ANSI/ASME STANDARD B 18.		
 WRITTEN APPROVAL BY THE SUPPLIER, EXCEPT FOR TRIMMING TO CORRECT LENGTH. 6. WOOD I-JOISTS SHALL BE CAREFULLY HANDLED TO PREVENT DAMAGE AND DISTORTIO JOIST SHALL BE ANCHORED AND BRACED, AS IT IS ERECTED, USING BLOCKING PANELS ANCHORAGE INDICATED (AND PER THE SUPPLIER'S REQUIREMENTS). ERECTOR SHALL 	S AND	ASTM A307 HEX-HEAD	GH BOLTS MAY BE ANY OI Gr.A, ASTM A325, OR A36 DR CARRIAGE BOLTS MA' ANIZED BOLTS WHEN EXF	THREADED ROD. Y BE USED. COUNT		JRE	
SUPPLEMENTAL LATERAL BRACING OF THE TOP FLANGE UNTIL SHEATHING IS PROPERI 7. ALL ROOF JOISTS SHALL BE POSITIONED WITH THE NATURAL CAMBER TURNED UP.	LY NAILED.	DIAMETER. HOI	BE A MINIMUM OF 1/32" TC	LY ALIGNED IN MAI	6" LARGER THAN THE BOLT N MEMBERS AND SIDE PLAT	ES.	
SIMPSON CONNECTOR NOTES		E. A METAL PLATE BE BETWEEN T F. EDGE DISTANC	E, METAL STRAP, OR WAS HE WOOD AND THE BOLT	HER NOT LESS THA HEAD AND BETWE ASTENER SPACING	AN A STANDARD CUT WASHE EN THE WOOD AND THE NU SHALL NOT BE LESS THAN	Т.	
METAL CONNECTOR NOTES 1. PREFABRICATED METAL JOIST HANGERS, HURRICANE CLIPS, HOLDOWN ANCHORS AND ACCESSORIES SHALL BE AS MANUFACTURED BY SIMPSON STRONG-TIE, PLEASANTON, (1-800-999-5099). INSTALL ALL ACCESSORIES PER THE MANUFACTURER'S REQUIREMEN	CA ITS.	a. UNLESS NC 3. LAG SCREWS A. INSTALLATION	TED OTHERWISE, DISTAN	ICES INDICATED AF	RE TO CENTER OF BOLT.		
 ALL NAILS SHALL BE COMMON UNLESS NOTED OTHERWISE IN THE MANUFACTURER'S C ON THE STRUCTURAL DETAILS. UNLESS NOTED OTHERWISE IN THE MANUFACTURER'S CATALOG, BENDING STEEL IN TH MAY CAUSE FRACTURES AT THE BEND LINE. FRACTURED STEEL WILL NOT CARRY LOAR 	HE FIELD	 B. LAG SCREWS S C. LEAD HOLES FOR FOLLOWS TO A 	HALL BE STANDARD HEX OR LAG SCREWS LOADED VOID SPLITTING OF THE \	LATERALLY AND IN WOOD MEMBER DU	N WITHDRAWAL SHALL BE BURNE CONNECTION FABRIC	ATION:	
 BE REPLACED. WHEN BENDING IS ALLOWED OR REQUIRED PER THE MANUFACTURER'S THE CONNECTOR SHALL BE ALLOWED ONE CYCLE BEND, ONE TIME ONLY. 4. STANDARD GALVANIZED CONNECTORS (G90) SHALL NOT BE PLACED IN CONTACT WITH WOOD UNLESS THE TREATED WOOD IS ADEQUATELY VERIFIED TO BE SUITABLE FOR SU 	ITREATED	AND THE S/ b. THE LEAD F	AME DEPTH OF PENETRA IOLE FOR THE THREADED	TION AS THE LENG [.] D PORTION SHALL F	HE SAME DIAMETER AS THE TH OF UNTHREADED SHANK IAVE A DIAMETER EQUAL TO 60% TO 75% WHEN DRILLED	0 60% TO	
 CONTACT OR A "ZMAX" COATING IS USED (G185). SOME WOOD TREATMENTS MAY ACCE METAL DETERIORATION. 5. A FASTENER THAT SPLITS THE WOOD WILL NOT TAKE THE DESIGN LOAD. EVALUATE SF 	ELERATE PLITS TO	SOUTHERN THE LARGE DIAMETERS	PINE, MAPLE, OR DOUG I R PERCENTILE IN EACH F 5.	FIR-LARCH AND 409 RANGE SHALL APPL	6 TO 70% IN OTHER SPECIES Y TO LAG SCREWS OF GRE/ LENGTH OF THE THREADED	6 (G<0.5). ATER	
 DETERMINE IF THE CONNECTION WILL PERFORM AS REQUIRED. DRY WOOD MAY SPLIT EASILY AND SHOULD BE EVALUATED AS REQUIRED. IF WOOD TENDS TO SPLIT, PRE-BO WITH DIAMETERS NOT EXCEEDING 0.75 OF THE NAIL DIAMETER (NDS 11.1.5.3). 6. TOP FLANGE HANGERS MAY CAUSE UNEVENNESS. POSSIBLE REMEDIES INCLUDE ROU 	ORE HOLES	PORTION. E. LEAD HOLES O DIAMETER LAG	R CLEARANCE HOLES SH SCREWS LOADED PRIMA	ALL NOT BE REQUI RILY IN WITHDRAW	RED FOR 3/8" AND SMALLER AL IN WOOD SPECIES WITH	A	
 BEAM, OR CUTTING THE SHEATHING TO ACCOMMODATE THE TOP FLANGE THICKNESS. 7. UNLESS OTHERWISE NOTED IN THE MANUFACTURER'S CATALOG, FILL ALL FASTENER H FASTENER TYPES AS SPECIFIED IN THE MANUFACTURER'S CATALOG. ALL SPECIFIED FA MUST BE INSTALLED ACCORDING TO THE INSTRUCTIONS IN THE MANUFACTURER'S CATALOG. 	HOLES WITH ASTENERS TALOG.	ARE SUFFICIEN F. THE THREADED TURNING WITH	T TO PREVENT UNUSUAL PORTION OF THE LAG S A WRENCH, NOT BY DRIV	. SPLITTING. CREW SHALL BE IN (ING WITH A HAMMI		Υ	
 BOLT HOLES SHALL BE A MINIMUM OF 1/32" AND A MAXIMUM OF 1/16" LARGER THAN THE DIAMETER (NDS 11.1.2.2) INSTALL ALL SPECIFIED FASTENERS BEFORE LOADING THE CONNECTION. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) ST 	E BOLT	FACILITATE INS H. PENETRATION THE MAIN MEM	ERTION AND TO PREVEN NOT INCLUDING THE LEN BER FOR SINGLE SHEAR	T DAMAGE TO THE IGTH OF THE TAPE CONNECTIONS OR	RED TIP) OF THE LAG SCREN THE SIDE MEMBER FOR DOI	V INTO JBLE	
 WELDING GALVANIZED STEEL MAY PRODUCE HARMFUL FUMES, FOLLOW PROPER WELL PROCEDURES AND SAFETY PRECAUTIONS. NAIL TOOLS WITH HOLE-LOCATION MECHANISMS MAY BE USED TO INSTALL CONNECTO 	DING DRS,	LOAD REDUCTI I. EDGE DISTANC	ON FACTORS HAVE BEEN	I CONSIDERED. ASTENER SPACING	ER, P= 8D, UNLESS APPROP SHALL NOT BE LESS THAN		
 PROVIDED THE CORRECT QUANTITY AND TYPE OF NAILS ARE PROPERLY INSTALLED IN HOLES. 13. JOIST SHALL BEAR COMPLETELY ON THE CONNECTOR SEAT, AND THE GAP BETWEEN T END AND THE HEADER SHALL NOT EXCEED 1/8". 	THE JOIST	a. UNLESS NC 4. WOOD SCREWS A. INSTALLATION	TED OTHERWISE, DISTAN	ICES INDICATED AF	RE TO CENTER OF BOLT. MEETING REQUIREMENTS O	F	
 MODIFICATIONS TO PRODUCTS OR CHANGES IN INSTALLATION PROCEDURES ARE NOT WITHOUT APPROVAL FROM SHELL + MEYER ASSOCIATES, INC. SIMPSON PRODUCT SPECIFICATIONS 	PERMITTED	B. LEAD HOLES FO APPROXIMATEL 70% OF THE WO	OR WOOD SCREWS LOAD Y 90% OF THE WOOD SC OOD SCREW ROOT DIAME	REW ROOT DIAMET	L SHALL HAVE A DIAMETER TER IN OAK, AND APPROXIM/ I PINE, MAPLE, OR DOUG FIR	ATELY -LARCH.	
 <u>SIMPSON FASTENERS</u> BUILT-UP STUD COLUMNS SHALL BE FASTENED TOGETHER USING SIMPSON 'SDW' TRUS EWP-PLY STRONG DRIVE SCREWS A. 2-PLY MEMBERS = 0.22" DIA. x 3" LONG (SDW22300) 	SS-PLY OR	SCREWS. C. LEAD HOLES FO PART OF THE L	OR WOOD SCREWS LOAD EAD HOLE RECEIVING TH	ED LATERALLY SH/ E SHANK SHALL BE	E FOR INSERTION OF WOOD ALL BE BORED AS FOLLOWS ABOUT 7/8 THE DIAMETER (: THE DF THE	
 B. 3-PLY MEMBERS = 0.22" DIA. x 4 3/8" LONG (SDW22438) C. 4-PLY MEMBERS = 0.22" DIA. x 6" LONG (SDW22600) 2. ATTACH 2x LEDGERS TO STUDS WALLS USING SIMPSON 'SDWS' TIMBER SCREWS A. LOCATE FIRST FASTENER 1 7/16" FROM TOP OF LEDGER 		THE SCREW AT D. THE WOOD SCI	THE ROOT OF THE THRE	AD (ANSI/ASME ST IN ITS LEAD HOLE	ALL BE ABOUT 7/8 THE DIAM ANDARD B 18.6.1). BY TURNING WITH A SCREW	-	
 B. USE MINIMUM 4" LONG SCREWS (SDWS22400DB) TO ATTACH TO 2x4 STUD WALLS AN 6" LONG SCREWS (SDWS22600DB) TO ATTACH TO 2x6 STUD WALLS C. ATTACH TO EACH VERTICAL STUD MEMBER AS INDICATED: 	ND MINIMUM	FACILITATE INS F. PENETRATION	ERTION AND TO PREVEN OF THE WOOD SCREW IN	T DAMAGE TO THE TO THE MAIN MEMI			
 a. 2x6 LEDGER = 2 SCREWS AT 3 1/2" o.c. b. 2x8 LEDGER = 3 SCREWS AT 2 5/8" o.c. c. 2x10 AND 2x12 LEDGER = SEE DETAIL D. ATTACH SOLE PLATES TO RIMBOARDS WITH SIMPSON 'SDWS' STRONG-DRIVE SCRE 	EWS AT	THE DIAMETER CONSIDERED. G. EDGE DISTANC	, P= 10D, UNLESS APPROL ES, END DISTANCES, ANE	PRIATE LOAD REDU	BE SUFFICIENT TO PREVEN	Ν	
16"o.c. MAX. OR AS INDICATED IN THE DETAILS		THREADED HAP	L WIRE NAILS, ROOF SHE RDENED-STEEL NAILS SH	ALL MEET THE REQ	NK (RSRS) NAILS, BOX NAILS UIREMENTS IN ASTM F1667	NAILS	
L D = Diameter		FOR THE NAILS B. COMMON NAIL			IUM LENGTHS (L) AND DIAME	ETERS (D)	
Image: state sta		 10d D=0 12d D=0 	.131" L=2 1/2" .148" L=3" .148" L=3 1/4" .162" L=3 1/2"				
	Od	• 6d D=0	.113" L=2 1/2"				
COMMON ¹ D 0.113" 0.131" 0.148" 0.148" 0.162" 0.192" 0.24 H 0.266" 0.281" 0.312" 0.312" 0.344" 0.406" 0.55		 12d D=0 16d D=0 D. THREADED, HA 	.128" L=3 1/4" .135" L=3 1/2" RDENED-STEEL NAILS, AN		E MADE OF HIGH CARBON S ADED, AND HEAT- TREATED		
L 2" 2-1/2" 3" 3-1/4" 3-1/2" 4" BOX D 0.099" 0.113" 0.128" 0.128" 0.135" 0.148" H 0.266" 0.297" 0.312" 0.312" 0.344" 0.375" L 1-7/8" 2-3/8" 2-7/8" 3-1/8" 3-1/4" 3-3/4" 5-3	37/4"	TEMPERED TO CORRESPONDI E. WHEN A BOREI	PROVIDE GREATER YIELD NG SIZE.) HOLE IS DESIRED TO PF	D STRENGTH THAN REVENT SPLITTING	FOR COMMON WIRE NAILS (OF WOOD, THE DIAMETER C	OF F THE	
SINKER D 0.092" 0.113" 0.120" 9-135" 0.148" 0.177" 0.24 H 9-234" 0.266" 0.281" 0.312" 0.344" 0.375" 0.44	244"	THE NAIL OR SF F. TOE-NAILS SHA STARTED APPF	PIKE DIAMETER FOR OTHI LL BE DRIVEN AT AN ANG OXIMATELY 1/3 THE LENG	ER SPECIES (G<0.6) GLE OF APPROXIMA GTH OF THE NAIL FI	TELY 30° WITH THE MEMBER ROM THE MEMBER END (SEE	R AND	
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E.S301	FRAMING PLANS		
E.S302	FRAMING PLANS		
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ID FASTENER SPACING SHALL NOT BE LESS THAN THE RUCTURAL DETAILS. STANCES INDICATED ARE TO CENTER OF BOLT.	
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/HEN DRILLED IN OAK, 60% TO 75% WHEN DRILLED IN UG FIR-LARCH AND 40% TO 70% IN OTHER SPECIES (G<0.5).	
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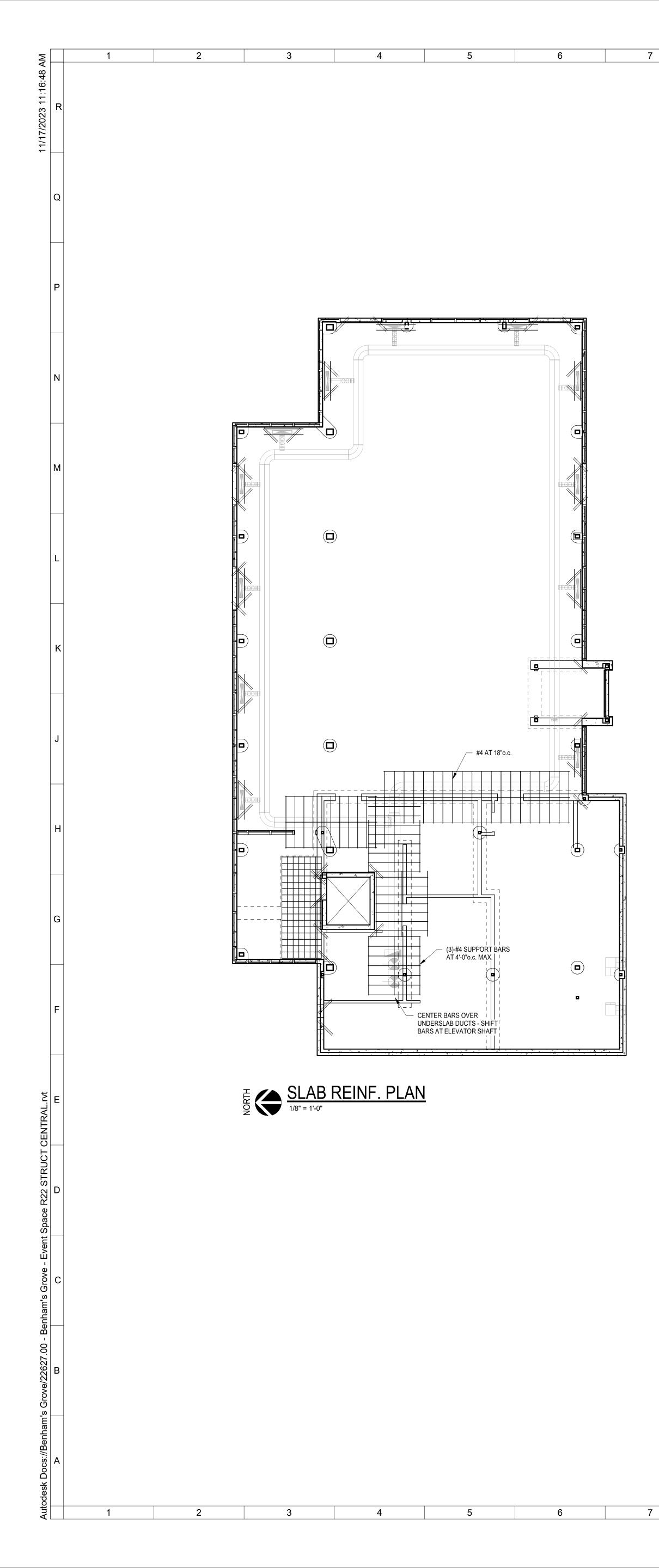
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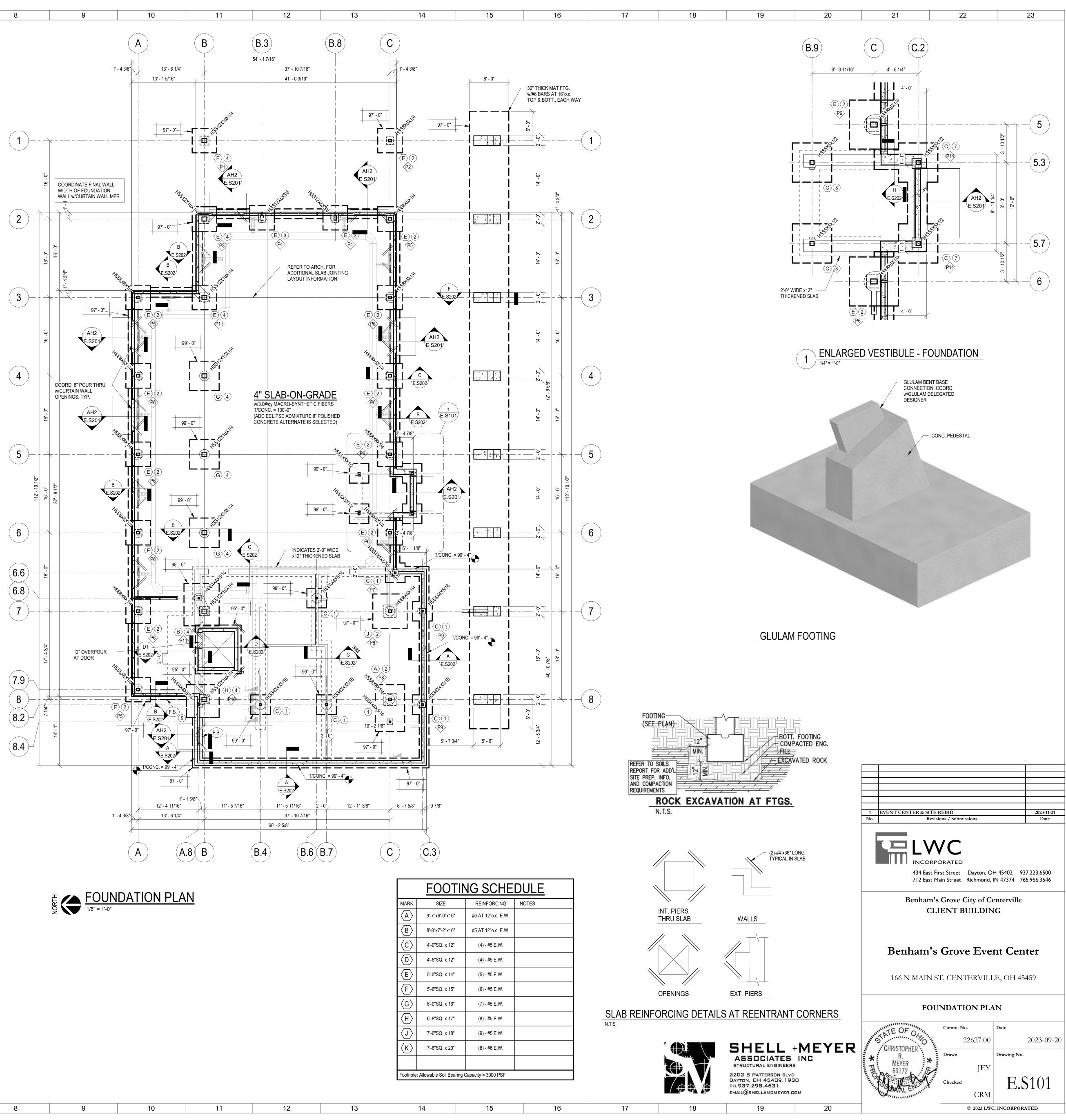
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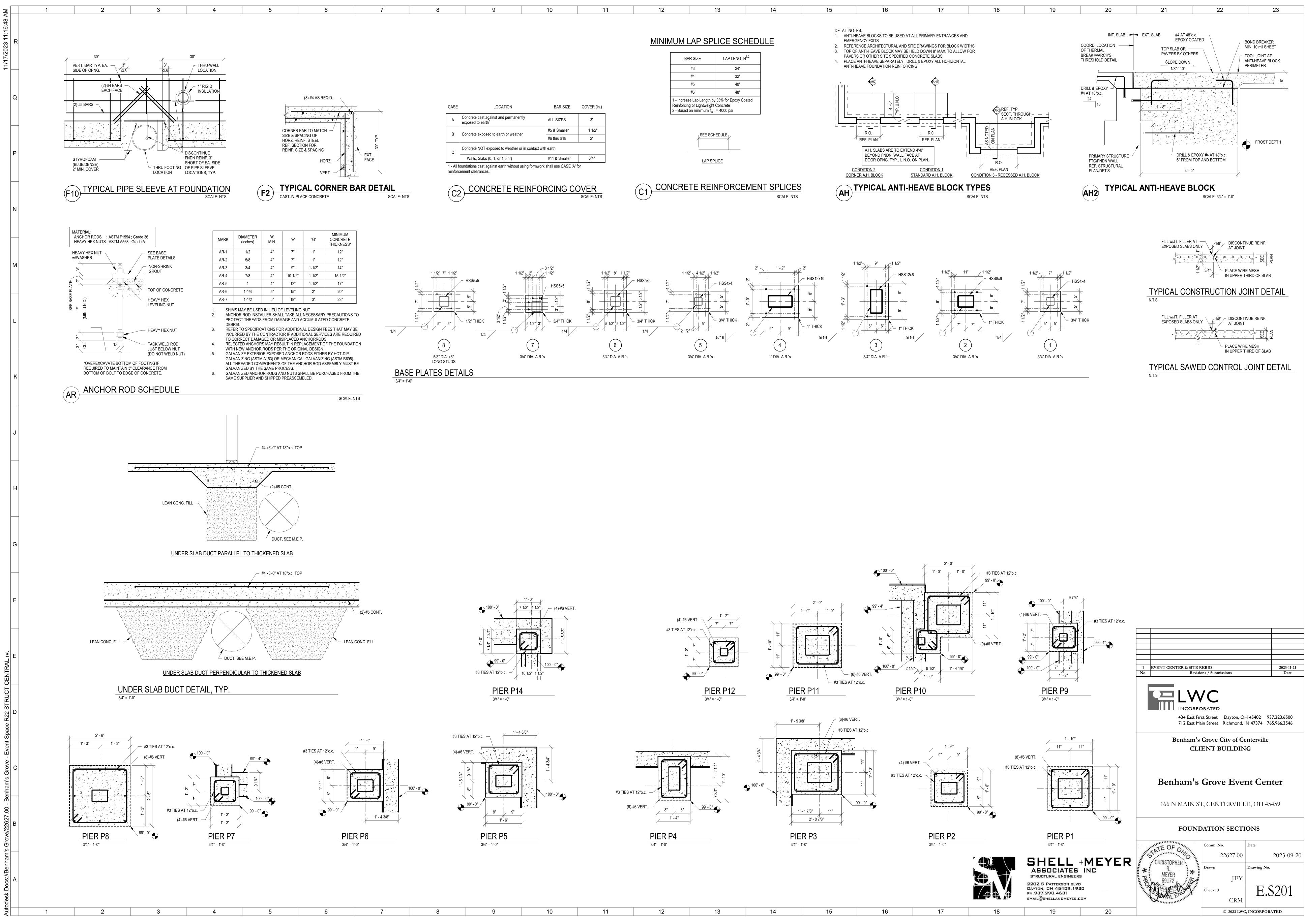
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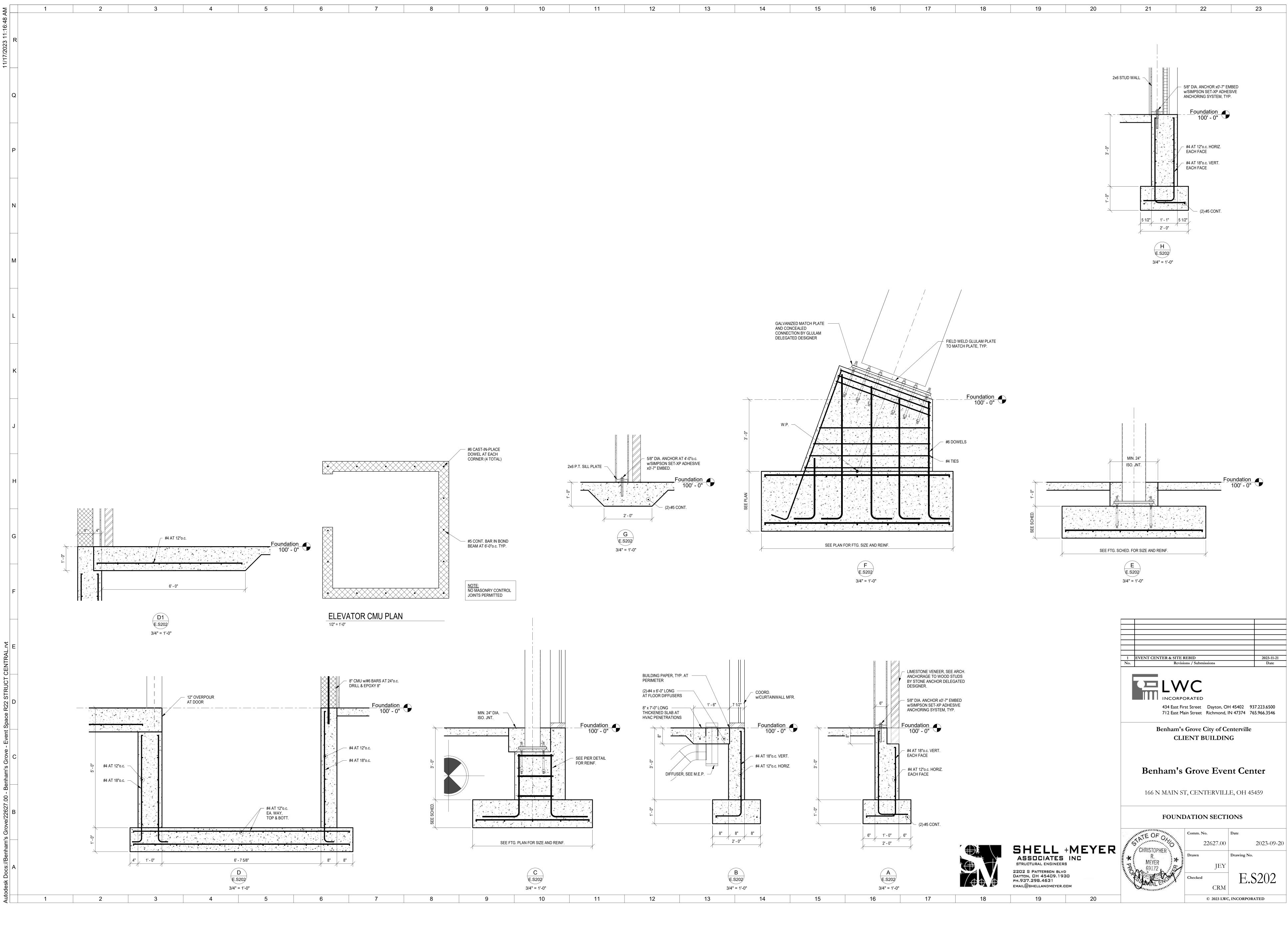
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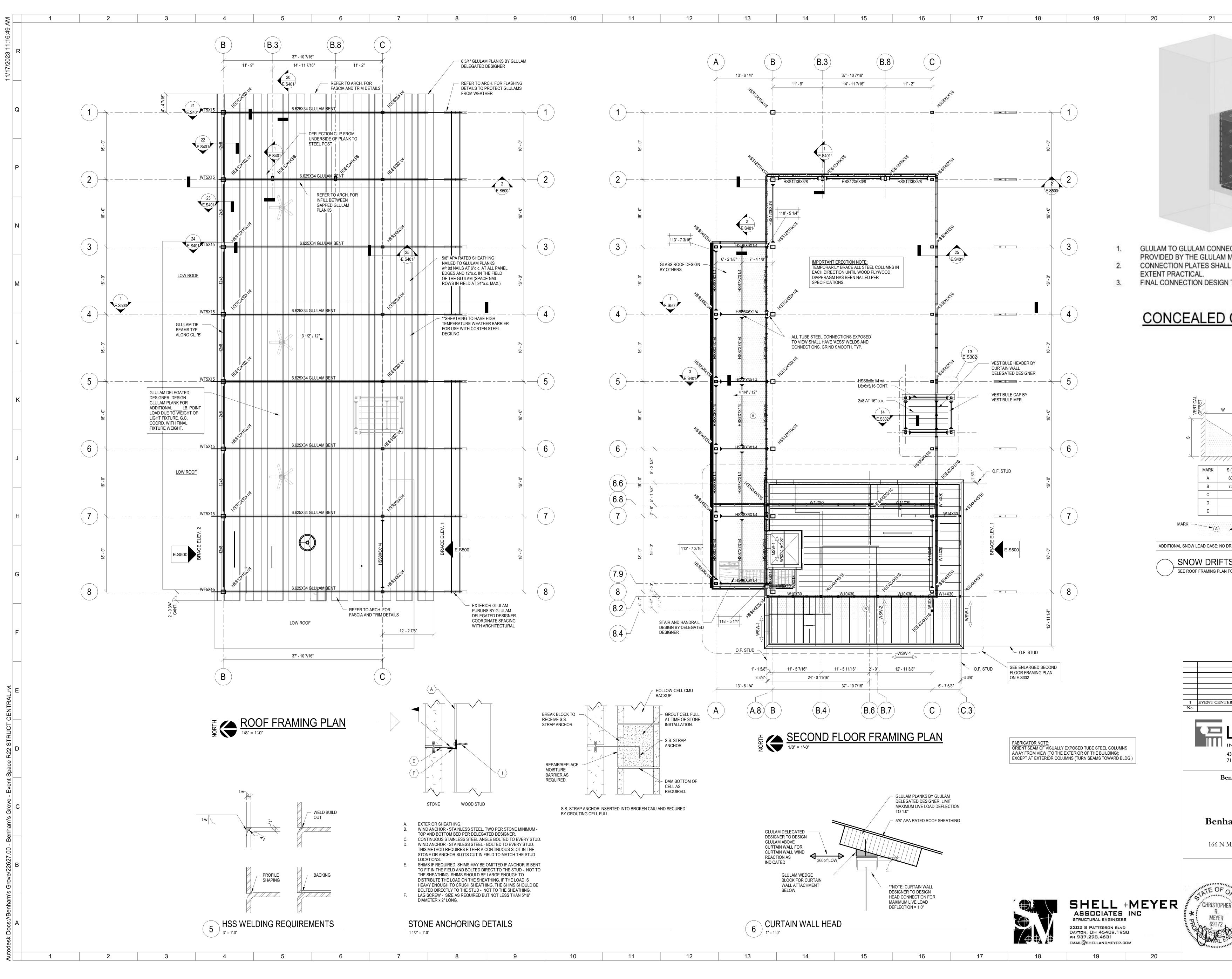
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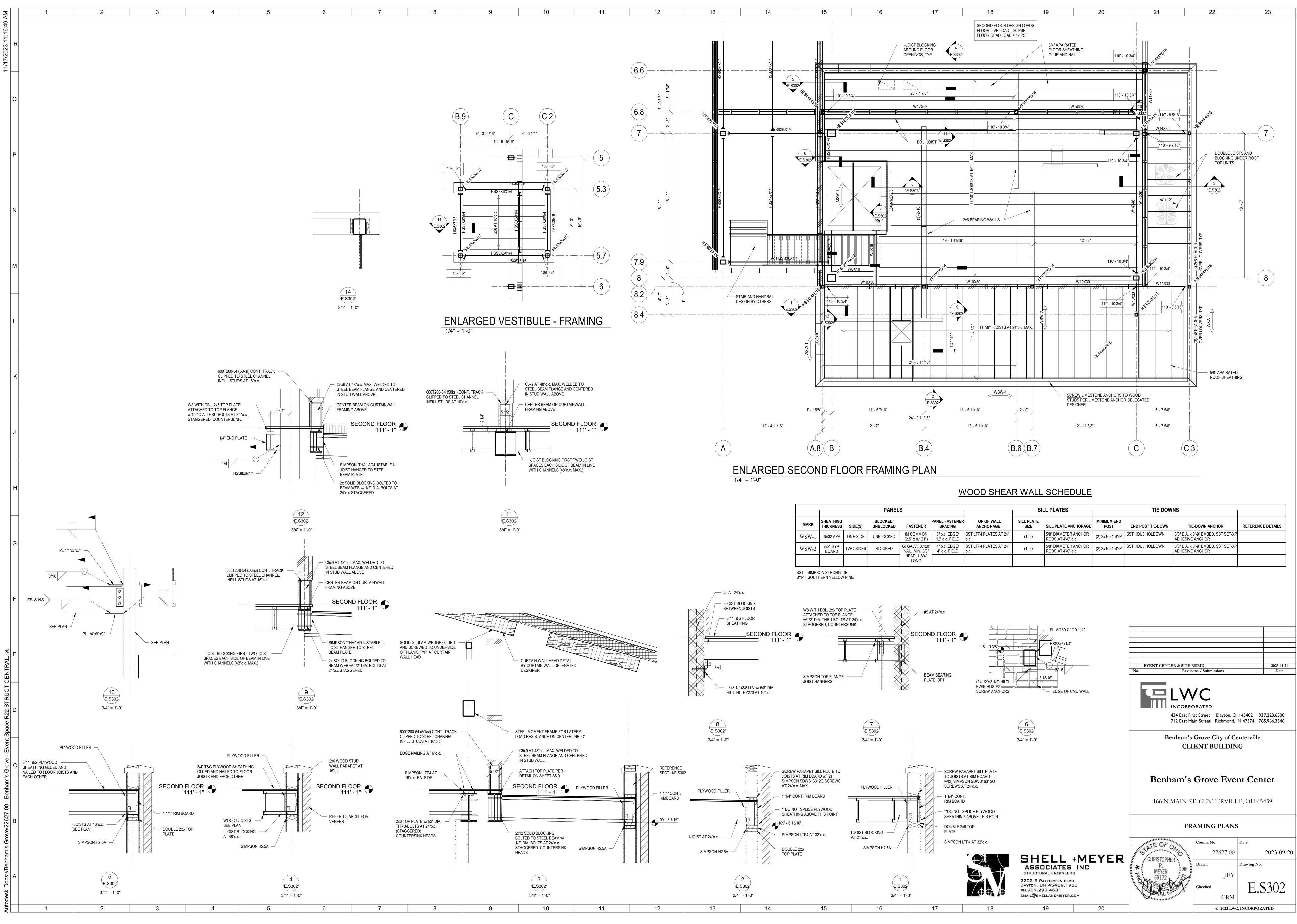




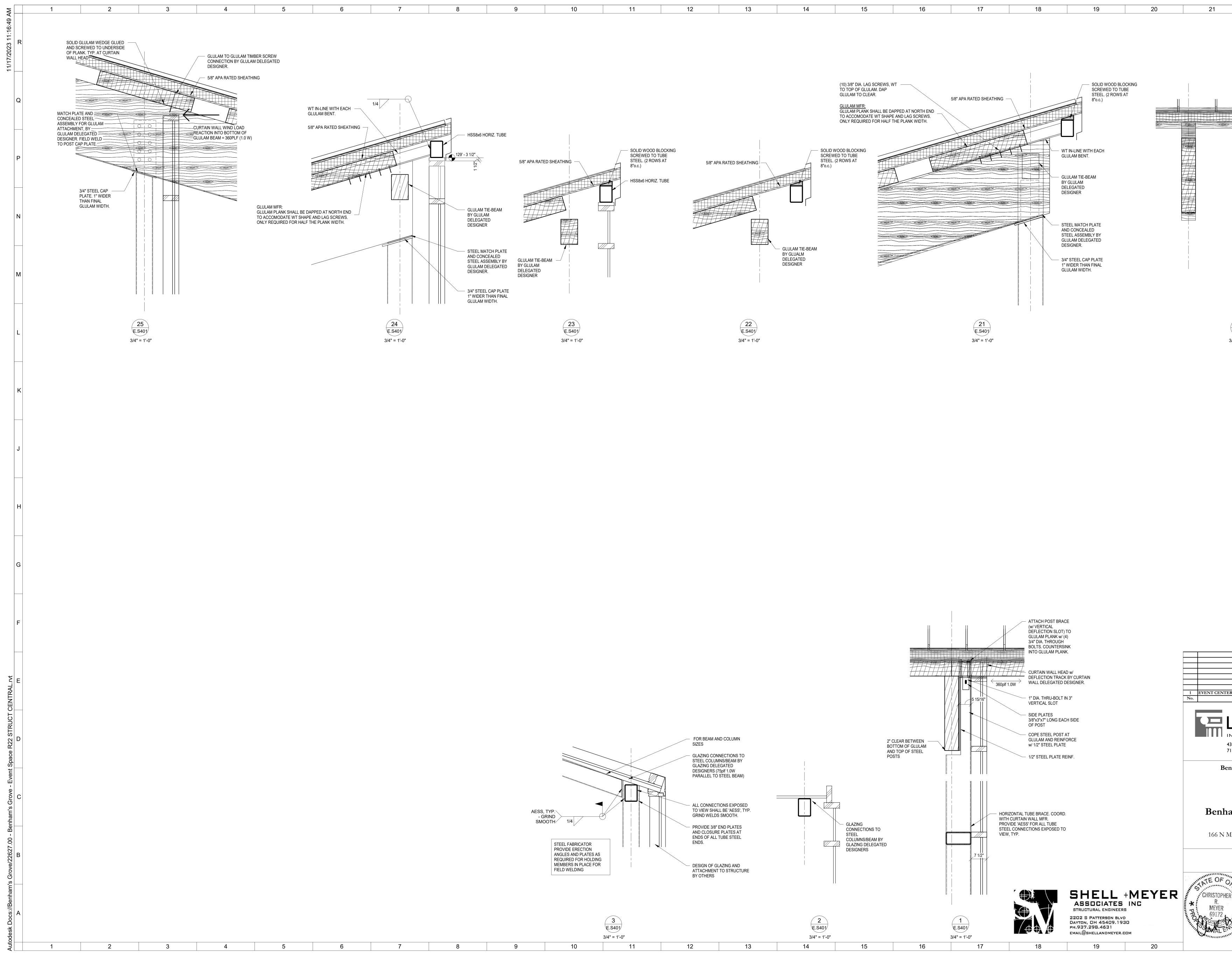




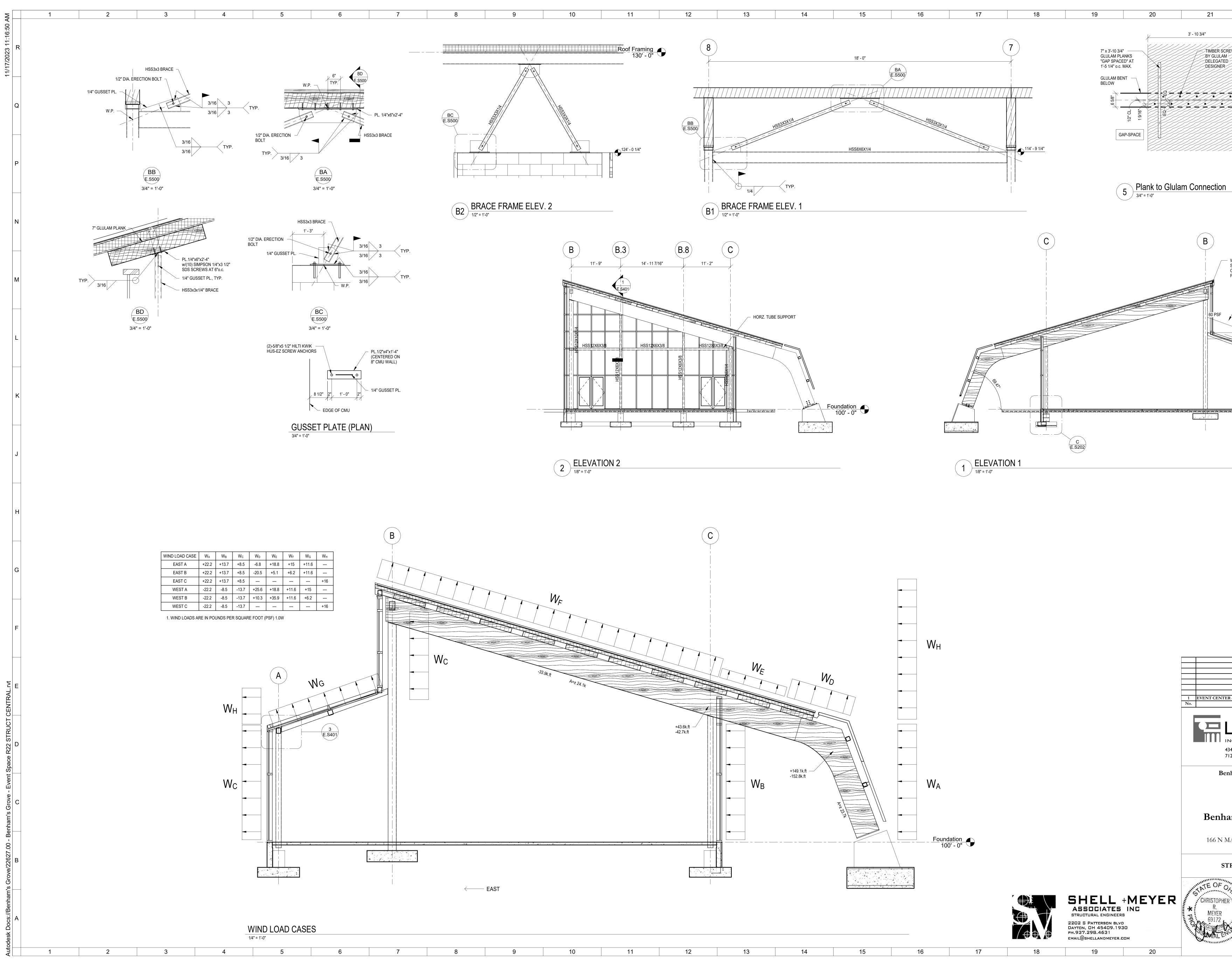
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PANELS				SILL PLATES			TIE DOWN				
MARK	SHEATHING THICKNESS	SIDE(S)	BLOCKED/ UNBLOCKED	FASTENER	PANEL FASTENER SPACING	TOP OF WALL ANCHORAGE	SILL PLATE SIZE	SILL PLATE ANCHORAGE	MINIMUM END POST	END POST TIE-DOWN	
WSW-1	15/32 APA	ONE SIDE	UNBLOCKED	8d COMMON (2.5" x 0.131")	6" o.c. EDGE/ 12" o.c. FIELD	SST LTP4 PLATES AT 24" o.c.	(1) 2x	5/8" DIAMETER ANCHOR RODS AT 4'-0" o.c.	(2) 2x No.1 SYP	SST HDU5 HOLDOWN	5 A
WSW-2	5/8" GYP BOARD	TWO SIDES	BLOCKED	6d GALV., 0.120" NAIL, MIN. 3/8"		SST LTP4 PLATES AT 24" o.c.	(1) 2x	5/8" DIAMETER ANCHOR RODS AT 4'-0" o.c.	(2) 2x No.1 SYP	SST HDU5 HOLDOWN	5 A
				HEAD, 1 3/4" LONG							

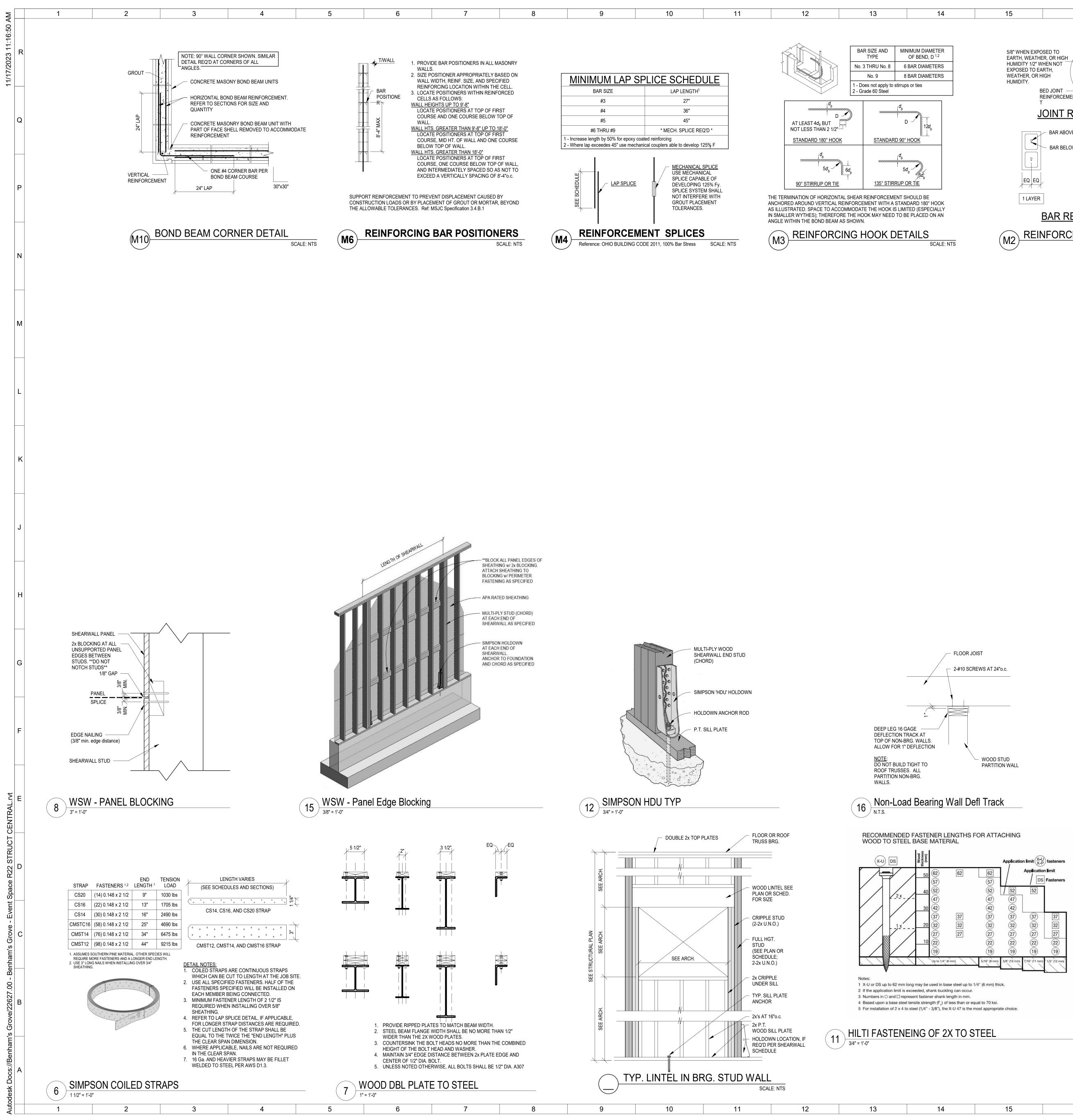


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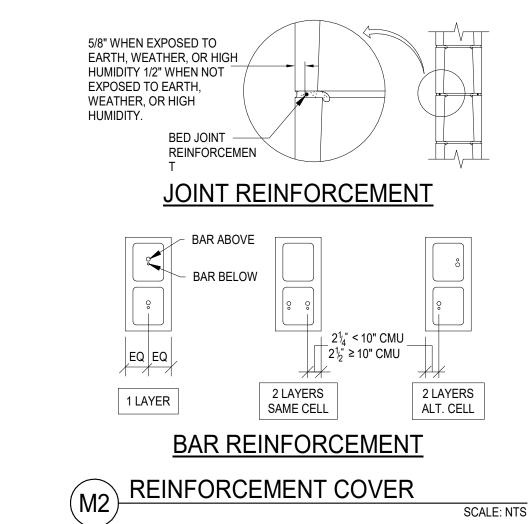
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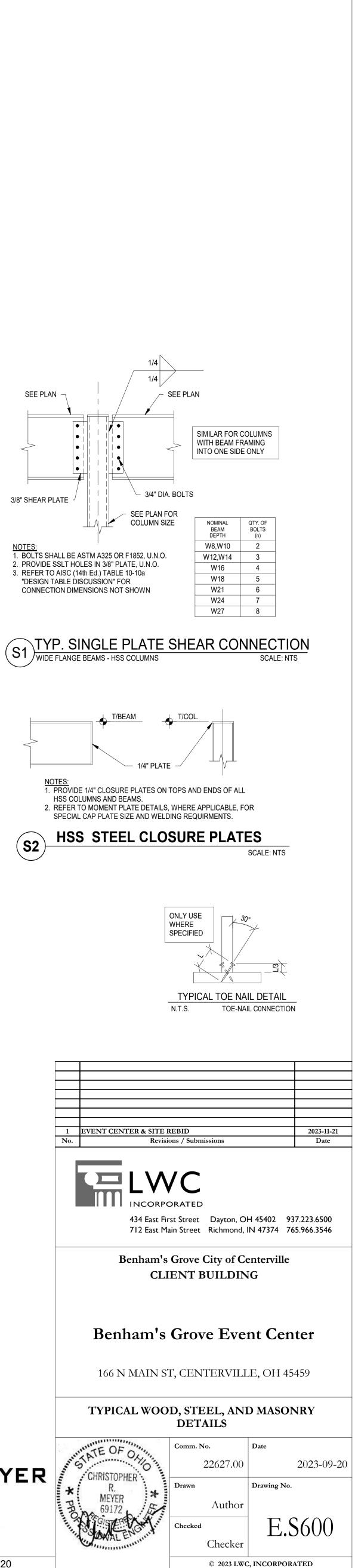


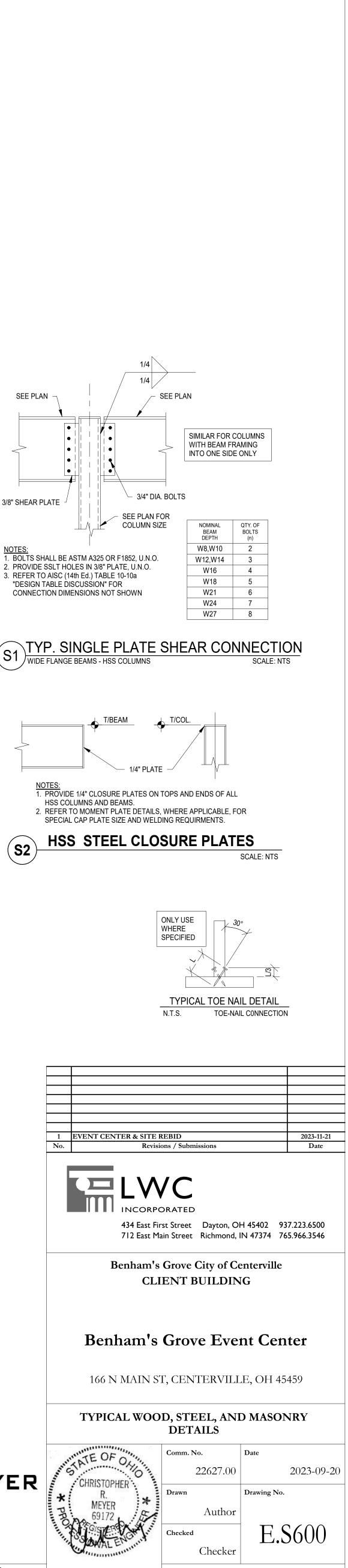


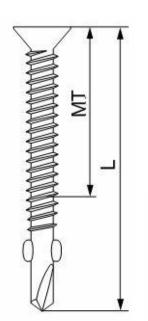
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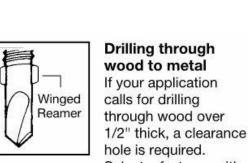


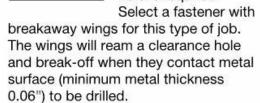


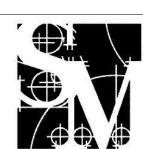




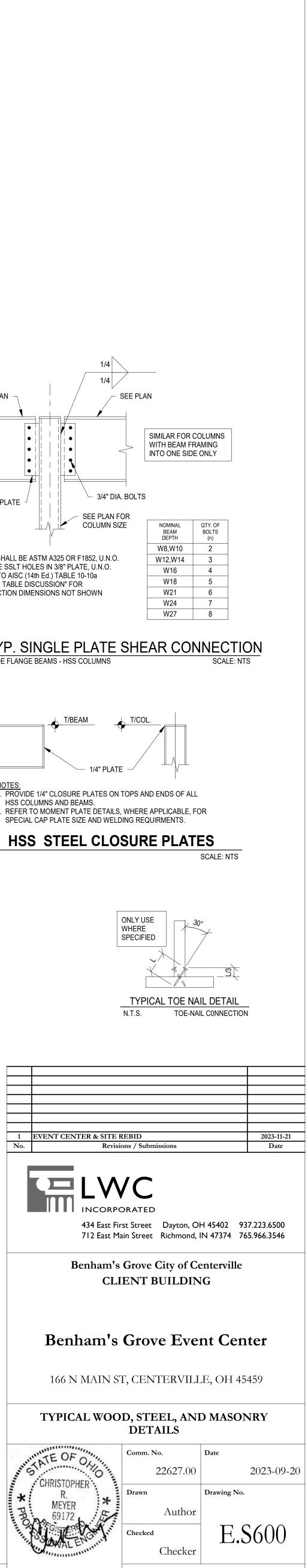
MINIMUM STEEL THICKNESS = 68 mil (14Ga.) MAXIMUM STEEL THICKNESS = 1/4"

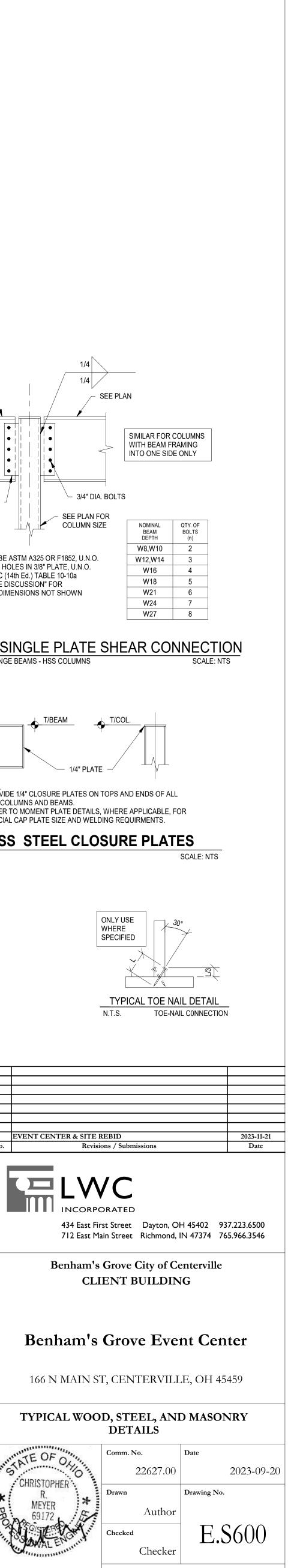






SHELL +MEYER ASSOCIATES INC STRUCTURAL ENGINEERS 2202 5 PATTERSON BLVD DAYTON, OH 45409.1930 рн.937.298.4631 EMAIL@SHELLANDMEYER.COM

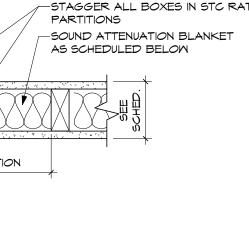


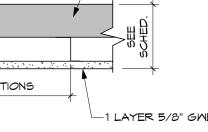


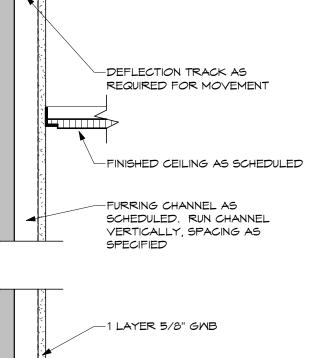
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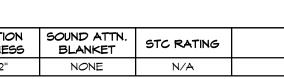
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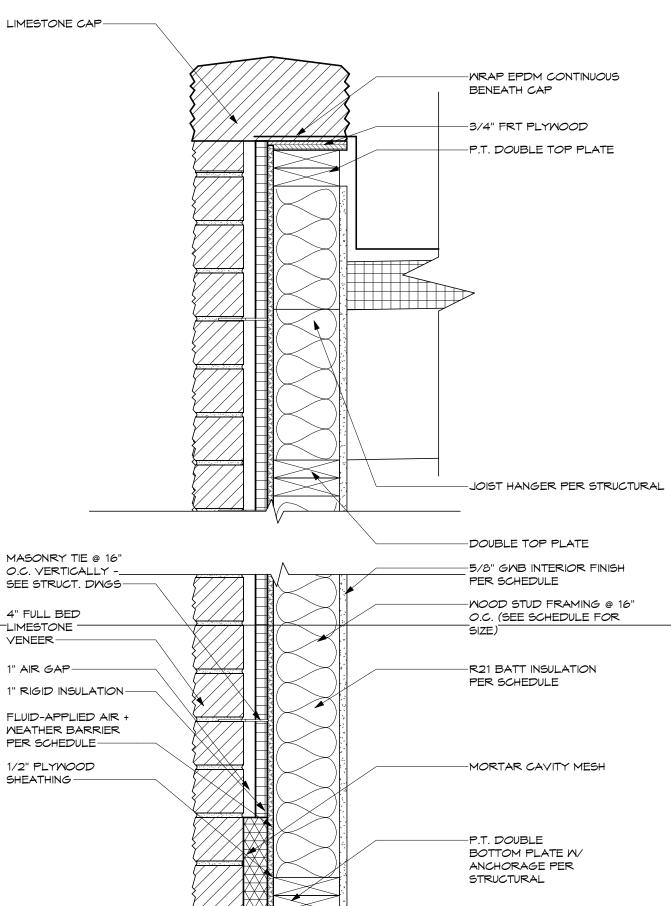
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11/21	NOTES: NOTES: DOOR SIZE DOOR FRAME HARDWARE INTERIOR / SINGLE / DOOR SIZE DOOR FRAME FIRE	2eaContinuous HingeD-FM-SLF-HD1710Pemko1eaExit DeviceED5860613ECorbin Russwin1eaExit DeviceED5860 x K157ET613ECorbin Russwin1eaCylinderAs required613ECorbin Russwin2eaOffset PullBF158613ERockwood
	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2 ea Surface Closer PR-7500 690 Norton 2 ea Conc. Overhead Stop 1ADJ series 690 Rixson 1 ea Threshold 171D 710 Pemko 2 ea Sweep 315DN 710 Pemko
Q	101C EXT PAIR 3'-2" 8'-0" 1 3/4" D2 ALUM G3 CW10 CW10 O1 O1 O1 101D EXT PAIR 3'-2" 8'-0" 1 3/4" D2 ALUM G3 CW10 ALUM CW10 O1 O1 O1 101D EXT PAIR 3'-2" 8'-0" 1 3/4" D2 ALUM G3 CW10 ALUM O1	1 set Perimeter Gasketing By Door Manufacturer 1 set Meeting Stile Gasketing By Door Manufacturer Set O2 Set O2
	102B INT PAIR 3'-6" 8'-O" D4 ALUM G3 Image: Constraint of the state	eaContinuous HingeD-FM-SLF-HD1710Pemko2eaPush/Pull Bar SetBF15847613ERockwood2eaSurface CloserPR-7500690Norton2eaConc. Overhead Stop1ADJ series690Rixson
	105 INT SINGLE 3'-O" 1'-O" 1 3/4" D1 MD N/A F1 HM J1 H1 O4 O4 107 INT SINGLE 3'-O" 7'-O" 1 3/4" D1 MD N/A F1 HM J1 H1 O4 O4 107 INT SINGLE 3'-O" 7'-O" 1 3/4" D1 MD N/A F1 HM J1 H1 O3	<u>Set 03</u> * Hardware by Door Manufacturer/Supplier. <u>Set 04</u>
Р	110 INT SINGLE 3'-0" 7'-0" 1 3/4" D1 MD N/A F1 HM J1 H1 O3 O4 O3 O3 O4 O4 <td>2eaContinuous HingeD-FM-SLF-HD1710Pemko1eaExit DeviceED5860613ECorbin Russwin1eaExit DeviceED5860 x K157ET613ECorbin Russwin1eaCylinderAs required613ECorbin Russwin</td>	2eaContinuous HingeD-FM-SLF-HD1710Pemko1eaExit DeviceED5860613ECorbin Russwin1eaExit DeviceED5860 x K157ET613ECorbin Russwin1eaCylinderAs required613ECorbin Russwin
	114 INT SINGLE 3'-6" 7'-O" 1 3/4" D1 N/A F1 HM J1 H1 O8 Image: Constraint of the text of t	2 ea Surface Closer W/Stop & Hold CPS-75007 690 Norton 1 ea Threshold 171D 710 Pemko 2 ea Sweep 315DN 710 Pemko
	202 INT SINGLE 3-0 1-0 1-0/4 D1 ND NA F1 HM J1 H1 10 203 INT SINGLE 3'-0" 1'-0" 1 3/4" D1 N/A F1 HM J1 H1 10	1 set Perimeter Gasketing By Door Manufacturer 1 set Meeting Stile Gasketing By Door Manufacturer Set O5 ea Hinge As specified above 613E McKinney
N		1 ea Push/Pull Bar Set BF15847 613E Rockwood 1 ea Surface Closer 8501 690 Norton 1 ea Wall Stop 406 613E Rockwood
		Set O6eaHingeAs specified above613EMcKinney1eaClassroom LockCL3855 PZD613ECorbin Russwin1eaSurface Overhead Stop10 series690Rixson
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M	SOUND ATTENUATION BLANKET AS SCHEDULED BELOW	1eaTIDTIOPemko1eaSweep315DNTIOPemko1eaHead Seal2891DSTIOPemko2eaJamb Seal290DSTIOPemko
		1 ea Rain Drip 346D 710 Pemko <u>Set O8</u> ea Hinge As specified above 613E McKinney
		1eaPrivacy SetCL3820 PZD613ECorbin Russwin1eaWall Stop409613ERockwood1set Perimeter Gasketing303DS710Pemko1eaDoor Bottom Shoe314DN710Pemko
L	SECTION CONTINUOUS ACOUSTICAL SEALANT (BOTH SIDES)	Set O9ea HingeAs specified above613EMcKinney1ea Push Plate70C613ERockwood1ea Pull Plate110 x 70C613ERockwood
	DECK ABOVE 2x DOUBLE TOP PLATE TO STRUCTURE ABOVE DECK ABOVE	1 ea Closer 8501 690 Norton 1 ea Wall Stop 406 613E Rockwood <u>Set 10</u>
	SOUND ATTENUATION BLANKET, 24" MIDE, ACROSS CEILING SYSTEM ON EACH SIDE OF PARTITION WHERE STC RATING IS SPECIFIED	ea Hinge As specified above 613E McKinney 1 ea Storeroom Lock CL3857 PZD 613E Corbin Russwin 1 ea Closer 8501 690 Norton 1 ea Wall Stop 406 613E Rockwood 1 set Perimeter Gasketing 303D5 710 Pemko
K	SIDE OF PARTITION WHERE STC RATING IS SPECIFIED FINISHED CEILING AS SCHEDULED	1 ea Door Bottom Shoe 314DN 710 Pemko A. Alternate Hardware Sets:
	SOUND ATTENUATION BLANKET AS SCHEDULED BELOW. FULL HEIGHT OF PARTITION. SOUND ATTENUATION BLANKET AS SCHEDULED BELOW. FULL HEIGHT OF PARTITION.	Set ALT 012 ea Continuous HingeD-FM-SLF-HD1710Pemko1 ea Exit DeviceED5860613ECorbin Russwin1 ea Exit DeviceED5860 x K157ET613ECorbin Russwin
		1eaCylinderAs required613ECorbin Russwin2eaOffset PullBF158613ERockwood2eaSurface Closer w/ Stop & HoldCPS-7500T690Norton1eaThreshold171D710Pemko2eaSweep315DN710Pemko
J	WOOD STUD FRAMING PER SCHEDULE	1set Perimeter GasketingBy Door Manufacturer1set Meeting Stile GasketingBy Door Manufacturer
	(1) LAYER 5/8" GWB ON EACH SIDE OF PARTITION (U.N.O.) OF PARTITION (U.N.O.)	
	FINISHED FLOOR	
H		
	WALL TYPE W WALL TYPE X NON-RATED WOOD STUD PARTITION - FULL HEIGHT NON-RATED WOOD STUD PARTITION - PARTIAL HEIGHT TYPE STUD PARTITION SOUND ATTN. STUD PARTITION SOUND ATTN. STC RATING REMARKS TYPE STUD PARTITION SOUND ATTN. STC RATING REMARKS	LIMESTONE CAP
	SizeTHICKNESSBLANKETImage: Constraint of the constraint of	BENEATH CAP 3/4" FRT PLYWOOD
G	W2a 3-1/2" 4-1/8" NONE N/A GWB ONE SIDE W2 3-1/2" 4-3/4" 3-1/2" 36 X2a 3-1/2" 4-3/4" 3-1/2" 35 W3 5-1/2" 6-3/4" NONE N/A MB ONE SIDE X3 5-1/2" 6-3/4" NONE N/A GWB ONE SIDE	P.T. DOUBLE TOP PLATE
	M3a 5-1/2" 6-1/8" NONE N/A GWB ONE SIDE M3b 5-1/2" 6-3/4" 5-1/2" 38 X3a 5-1/2" 6-3/4" N/A GWB ONE SIDE	
F	PLAN 2x WOOD STUD FRAMING PER SCHEDULE PER SCHEDULE PER SCHEDULE PER SCHEDULE PER SCHEDULE	
	Image: Second	
SAL.rvt	SECTION SECTION	
CENTRAL.rvt III	DECK ABOVE DECK ABOVE	JOIST HANGER PER STRUCTURAL
2 ARCH	2x DOUBLE TOP PLATE (IF APPLICABLE) DEFLECTION TRACK AS REQUIRED FOR MOVEMENT	MASONRY TIE @ 16" O.C. VERTICALLY5/8" GWB INTERIOR FINISH SEE STRUCT. DWGS
Site R22 D		4" FULL BED LIMESTONE VENEER
Space &	FINISHED CEILING AS SCHEDULED	1" AIR GAP 1" RIGID INSULATION 1" RIGID INSULATION
Event S	2X WOOD STUD FRAMING PER SCHEDULE VERTICALLY, SPACING AS SPECIFIED	FLUID-APPLIED AIR + MEATHER BARRIER PER SCHEDULE
Grove - E		1/2" PLYMOOD SHEATHING MORTAR CAVITY MESH
Benham's G	1/2" MORTAR BED METAL LATH 1/2" CEMENT BOARD LAYER 5/8" GWB EXISTING CONSTRUCTION	P.T. DOUBLE BOTTOM PLATE W/ ANCHORAGE PER
1	2x BOTTOM PLATE - PRESSURE TREATED AT CONCRETE SLAB	STRUCTURAL
Grove/22627.00 B	FINISHED FLOOR	
Grove	MALL TYPE LV LIMESTONE VENEER MALL TYPE F FURRED PARTITION	MALL TYPE L LIMESTONE BEARING MALL
Docs://Benham's B	TYPE STUD SIZE PARTITION THICKNESS REMARKS LV1 O" 2-1/2" FURRED DIRECTLY ONTO CMU. FIRE RATED. LV2 3-1/2" 6" N/A	TYPE STUD SIZE PARTITION THICKNESS REMARKS L1 5-1/2" 1' 0-5/8" EXTERIOR WALL. PROVIDE VAPOR BARRIER, INSULATION, AND INTERIOR FINISH. L2 5-1/2" 1' 0-5/8" INTERIOR WALL PROVIDE VAPOR BARRIER, INSULATION, AND INTERIOR FINISH.
)ocs://B	LV2 3-1/2" 6" N/A LV3 5-1/2" 8" N/A	L25-1/2"1' 0-5/8"INTERIOR WALL. PROVIDE INTERIOR FINISH.L33-1/2"10"INTERIOR WALL FURRED ONTO CMU.
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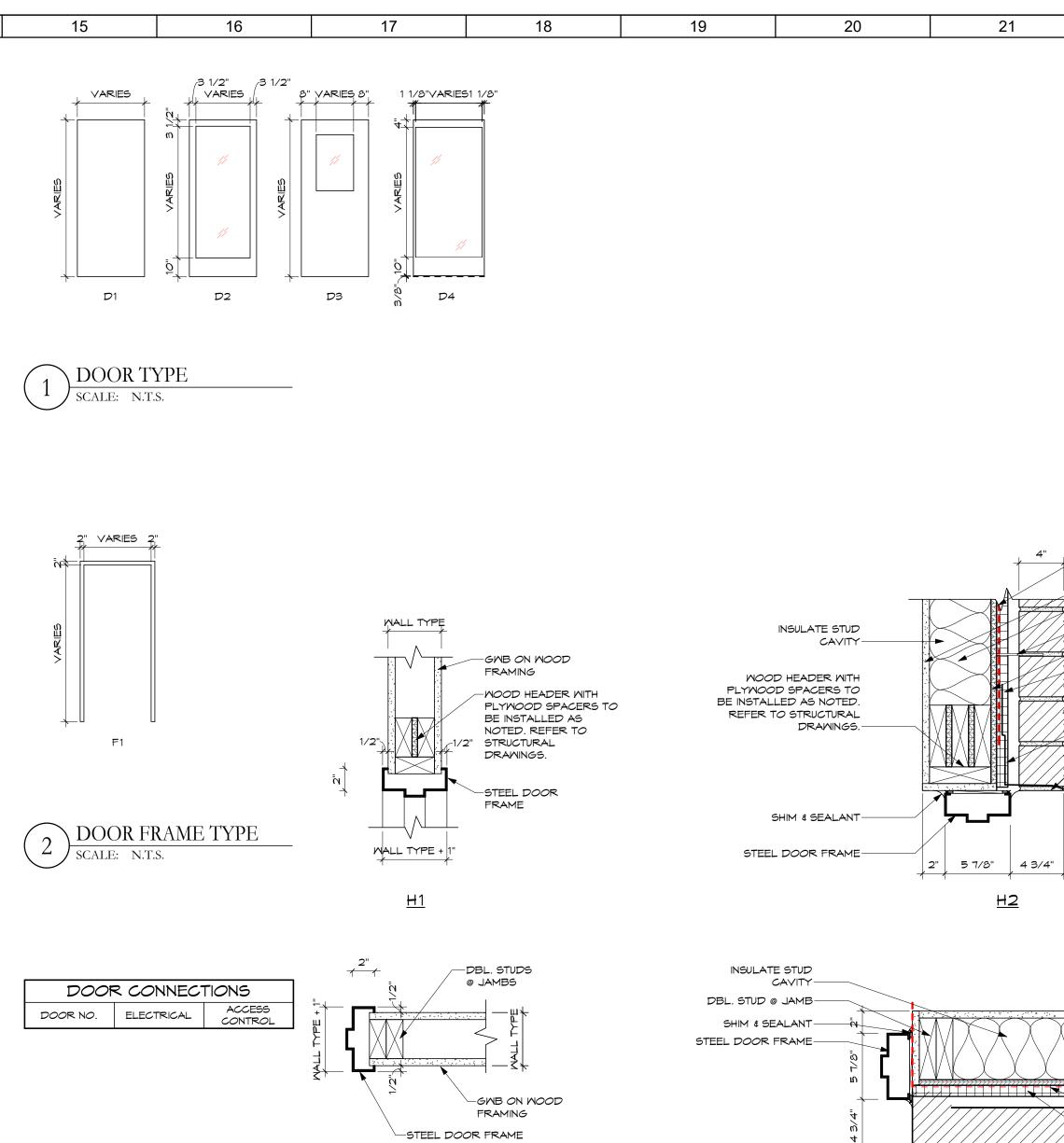




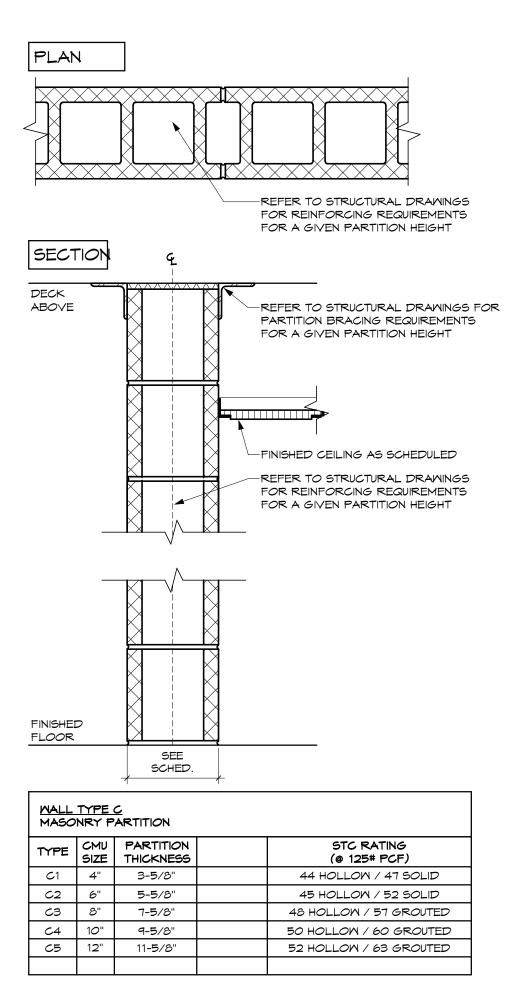




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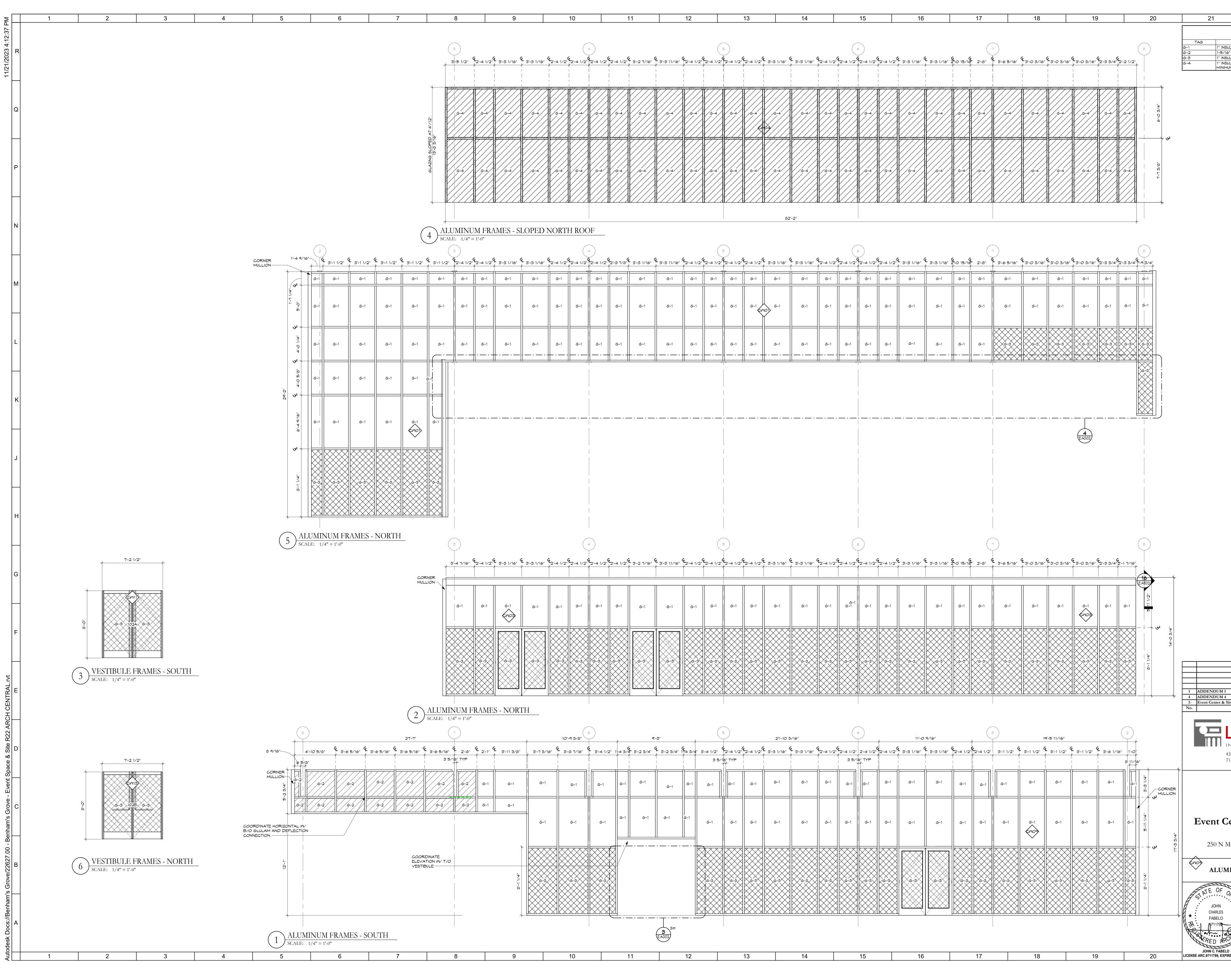


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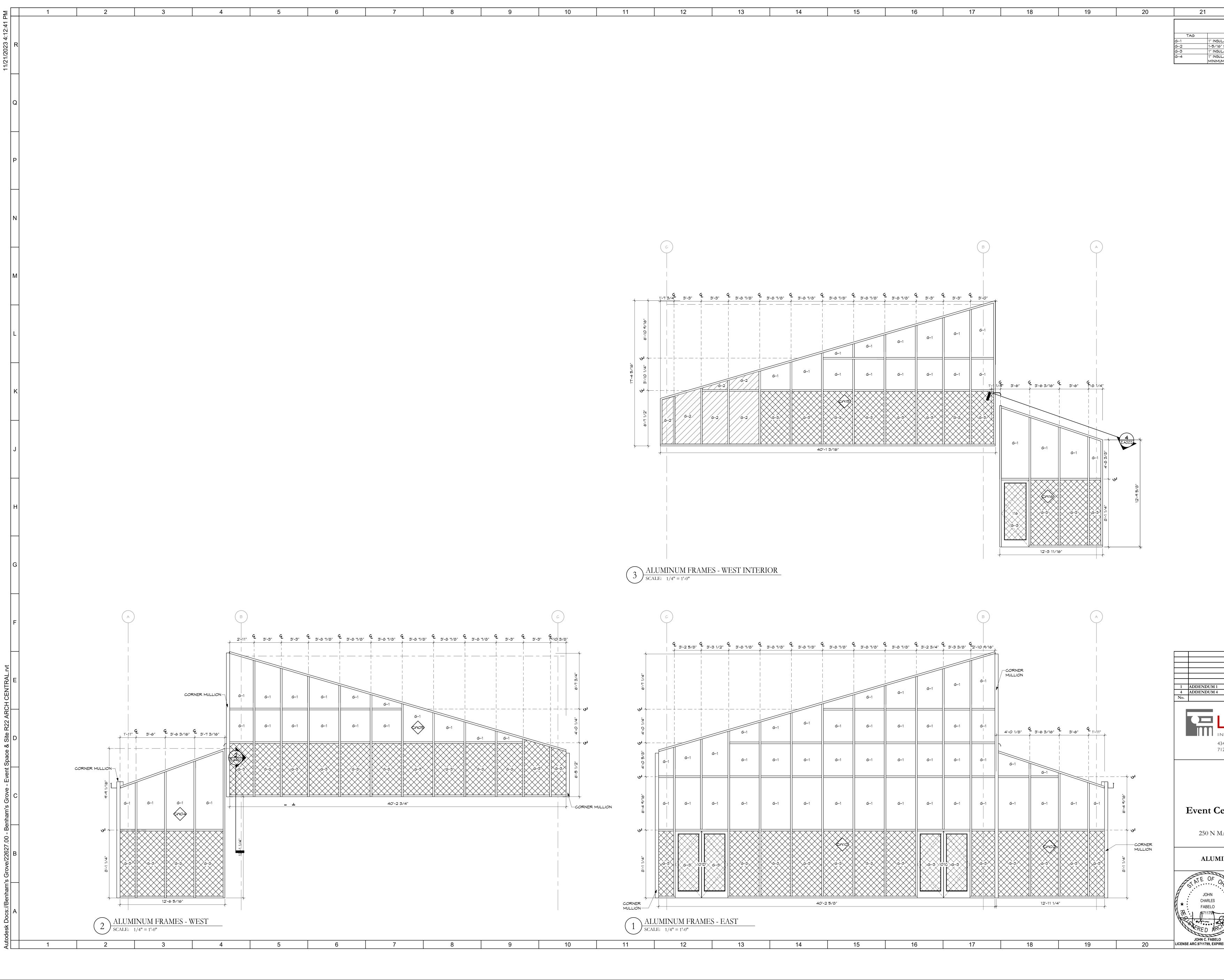


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	4" LIMESTONE ∨EN: SHEET METAL FLAS LIMESTONE LINTEL	5HING
<u>2"</u> 5 7/8" 4 3/4" <u>H2</u>		
	-5/8" GWB -BATT INSULATION (1	R-21)
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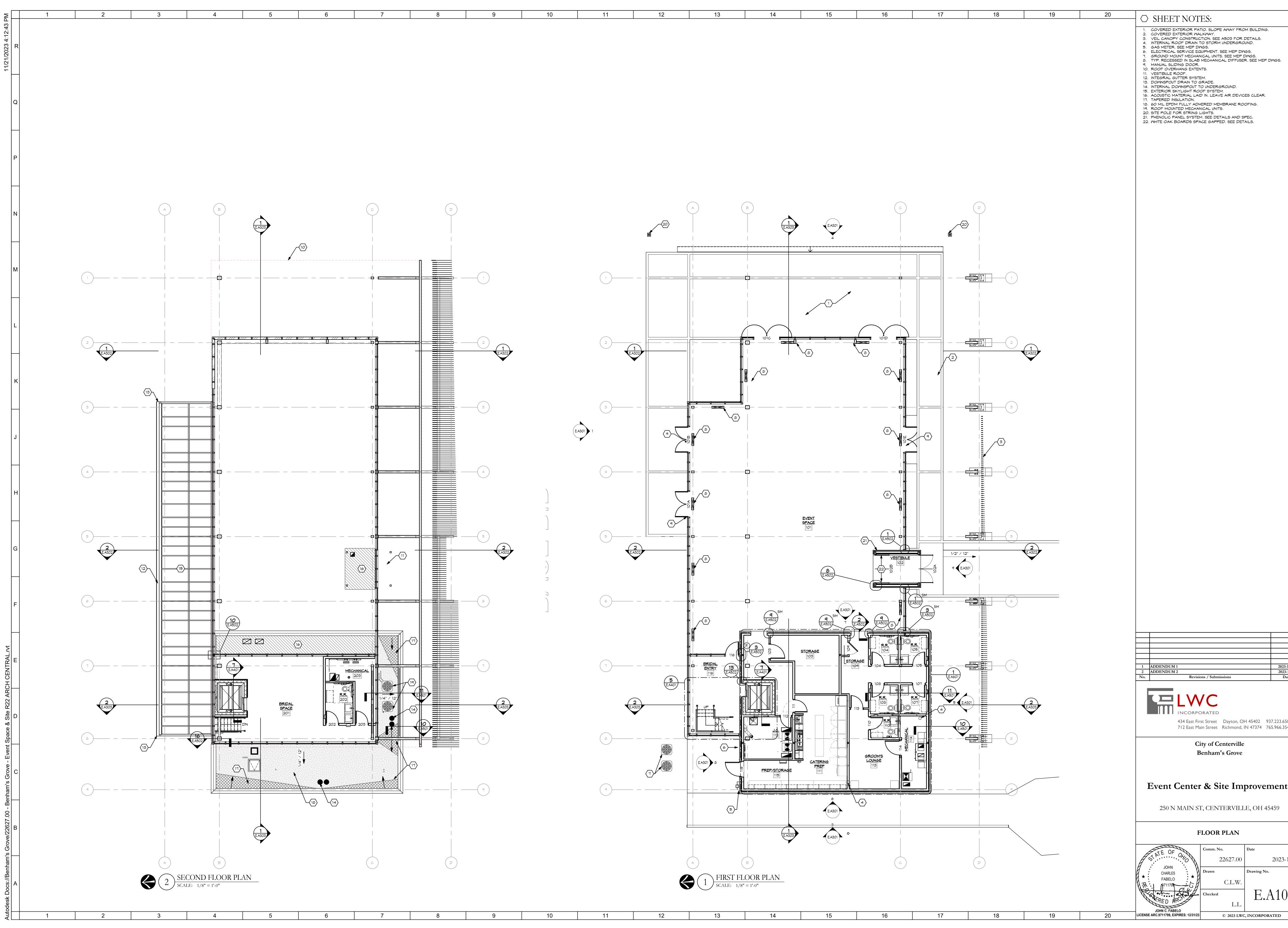




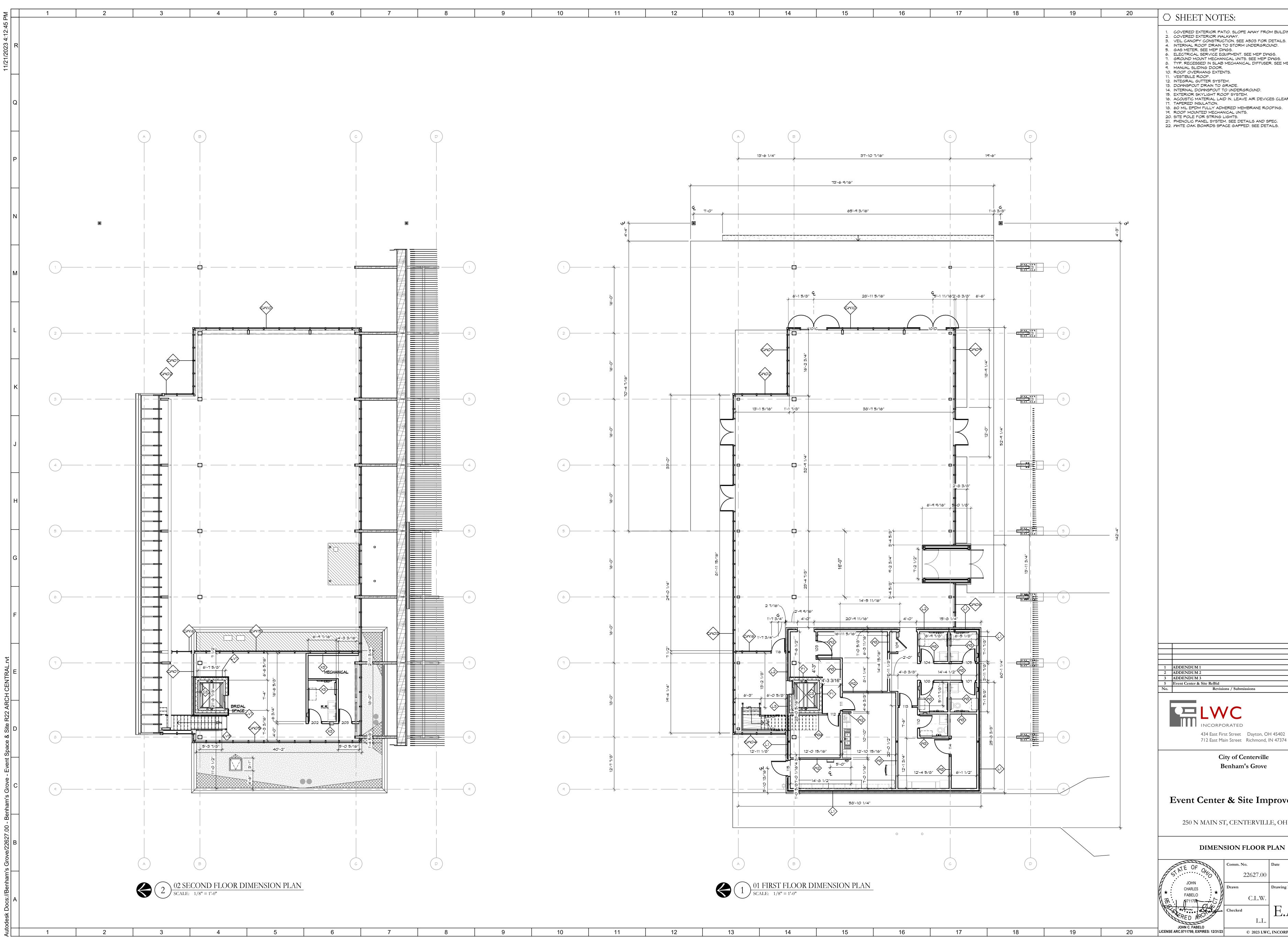


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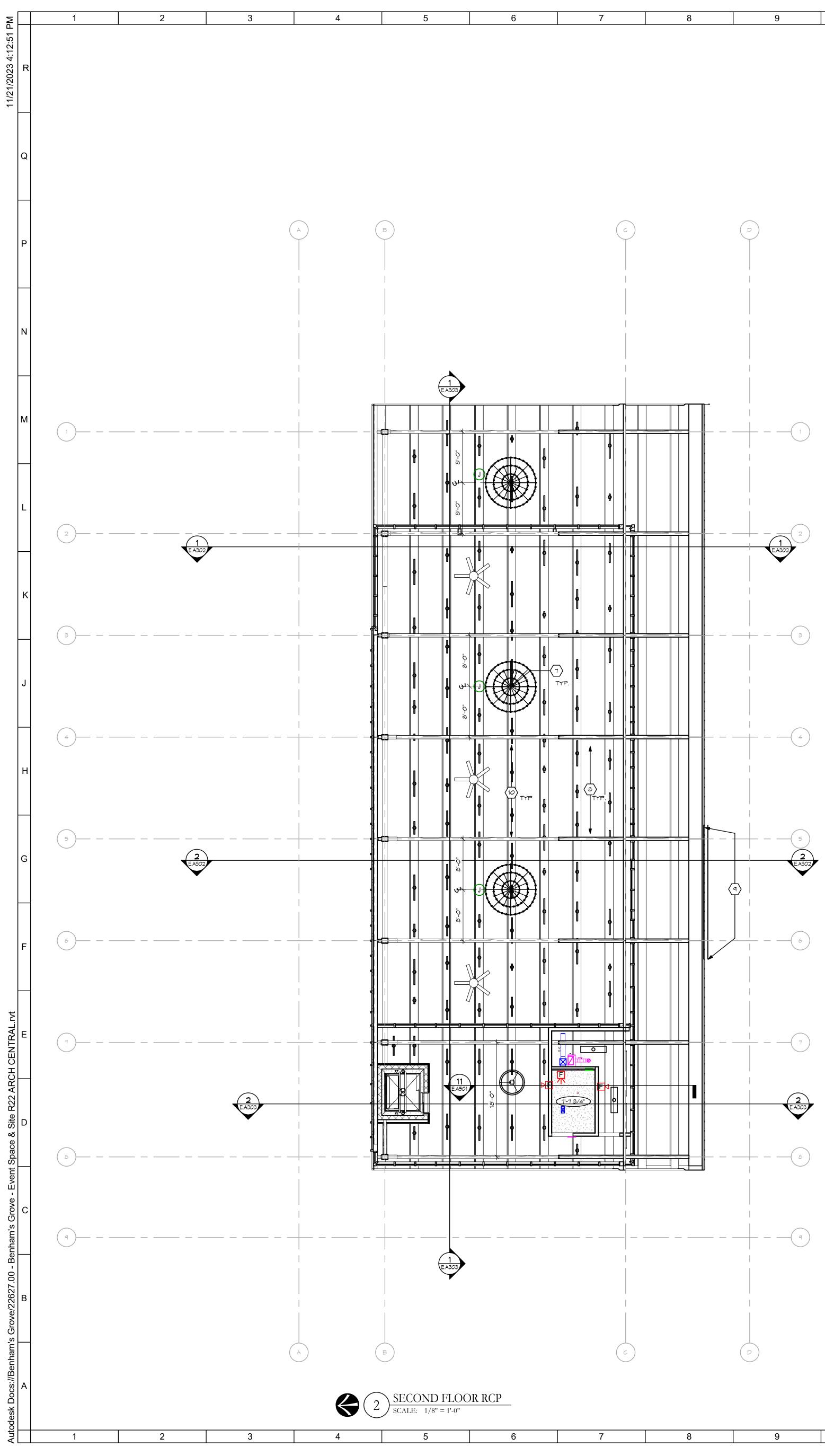
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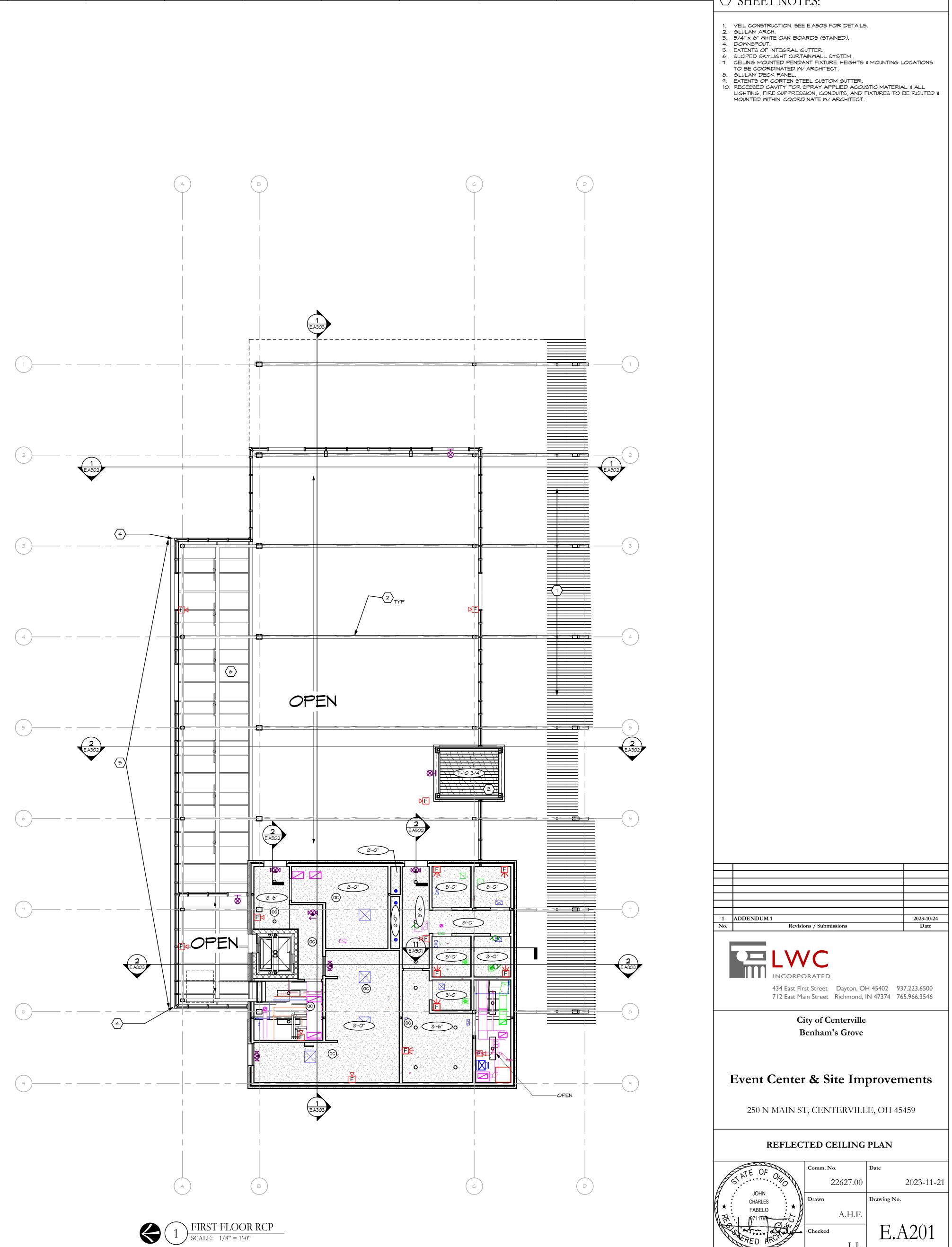


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 COVERED EXTERIOR PATIO. SLOPE AWAY FROM BUILDING.
 COVERED EXTERIOR WALKWAY.
 VEIL CANOPY CONSTRUCTION. SEE A503 FOR DETAILS.
 INTERNAL ROOF DRAIN TO STORM UNDERGROUND.
 GAS METER. SEE MEP DWGS.
 ELECTRICAL SERVICE EQUIPMENT. SEE MEP DWGS.
 GROUND MOUNT MECHANICAL DIEFUSER. GEE MEP DWGS. 8. TYP. RECESSED IN SLAB MECHANICAL DIFFUSER. SEE MEP DWGS. TYP. RECESSED IN SLAB MECHANICAL DIFFUSER. SEE MEP DI
 MANUAL SLIDING DOOR.
 ROOF OVERHANG EXTENTS.
 VESTIBULE ROOF.
 INTEGRAL GUTTER SYSTEM.
 DOWNSPOUT DRAIN TO GRADE.
 INTERNAL DOWNSPOUT TO UNDERGROUND.
 EXTERIOR SKYLIGHT ROOF SYSTEM.
 ACOUSTIC MATERIAL LAID IN. LEAVE AIR DEVICES CLEAR.
 TAPERED INSULATION.
 60 MIL EPDM FULLY ADHERED MEMBRANE ROOFING.

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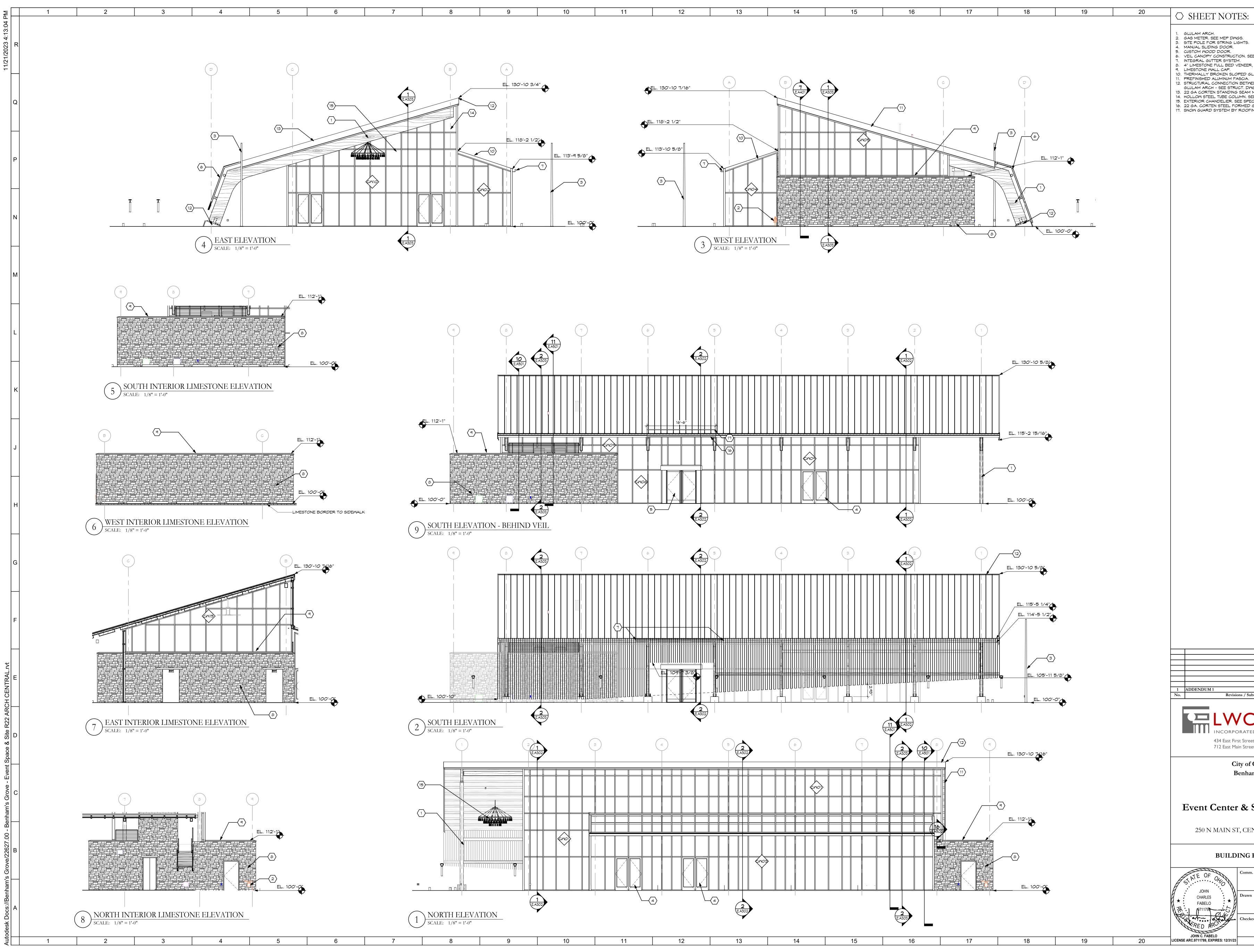




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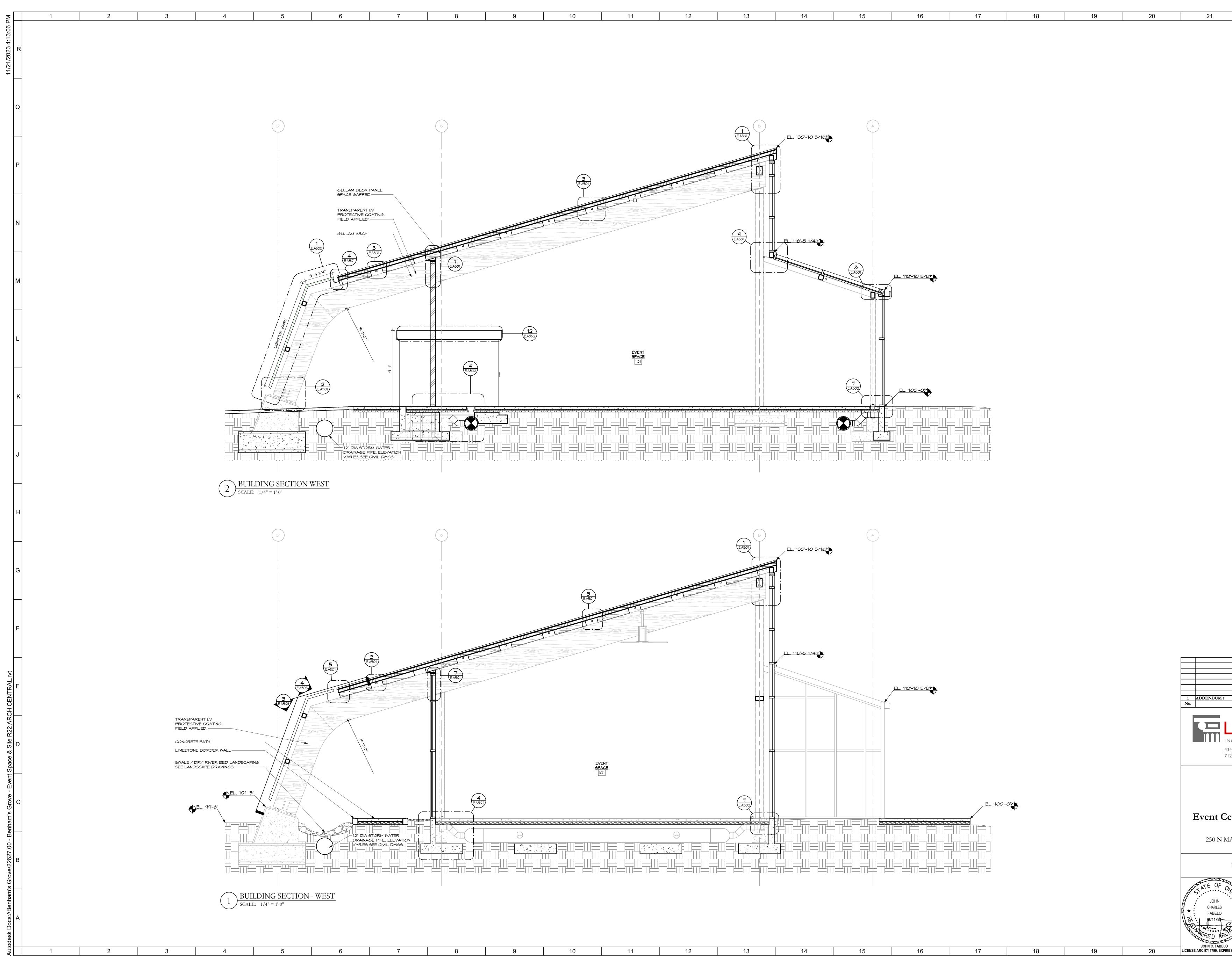
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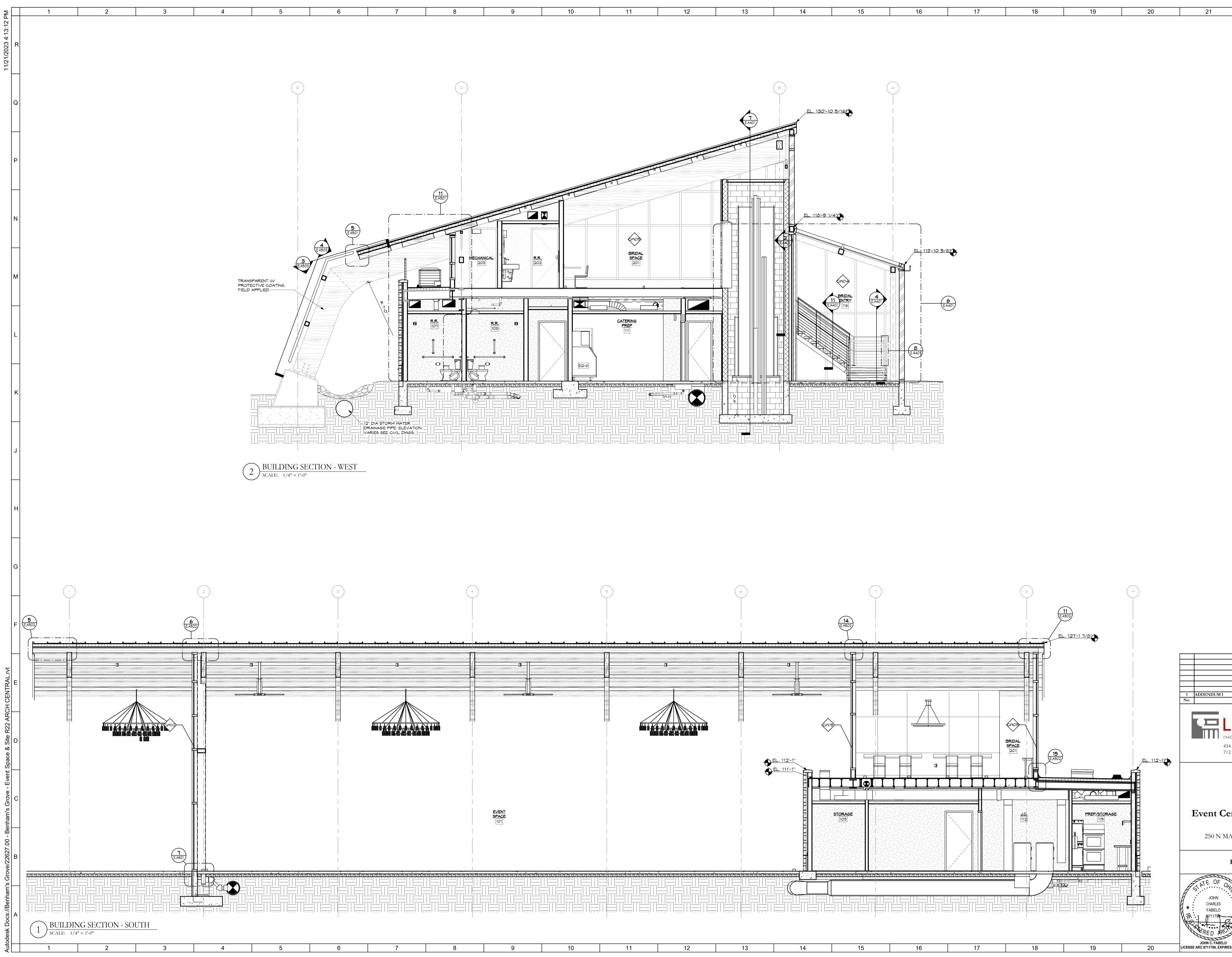


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MANUAL SLIDING DOOR.
 CUSTOM WOOD DOOR.
 VEIL CANOPY CONSTRUCTION. SEE A503 FOR DETAILS.
 INTEGRAL GUTTER SYSTEM.
 4" LIMESTONE FULL BED VENEER, RANDOMLY PLACED.
 LIMESTONE WALL CAP.
 THERMALLY BROKEN SLOPED GLAZING SYSTEM.
 PREFINISHED ALUMINUM FASCIA.
 STRUCTURAL CONNECTION BETWEEN CONCRETE FOUNDATION AND GLULAM ARCH - SEE STRUCT. DWGS. AND DETAILS.
 22 GA CORTEN STANDING SEAM METAL ROOF.
 HOLLOW STEEL TUBE COLUMN. SEE STRUC DWGS.
 EXTERIOR CHANDELIER. SEE SPEC AND ELEC. DWGS.
 22 GA. CORTEN STEEL FORMED GUTTER.
 SNOW GUARD SYSTEM BY ROOFING MANUFACTURER.

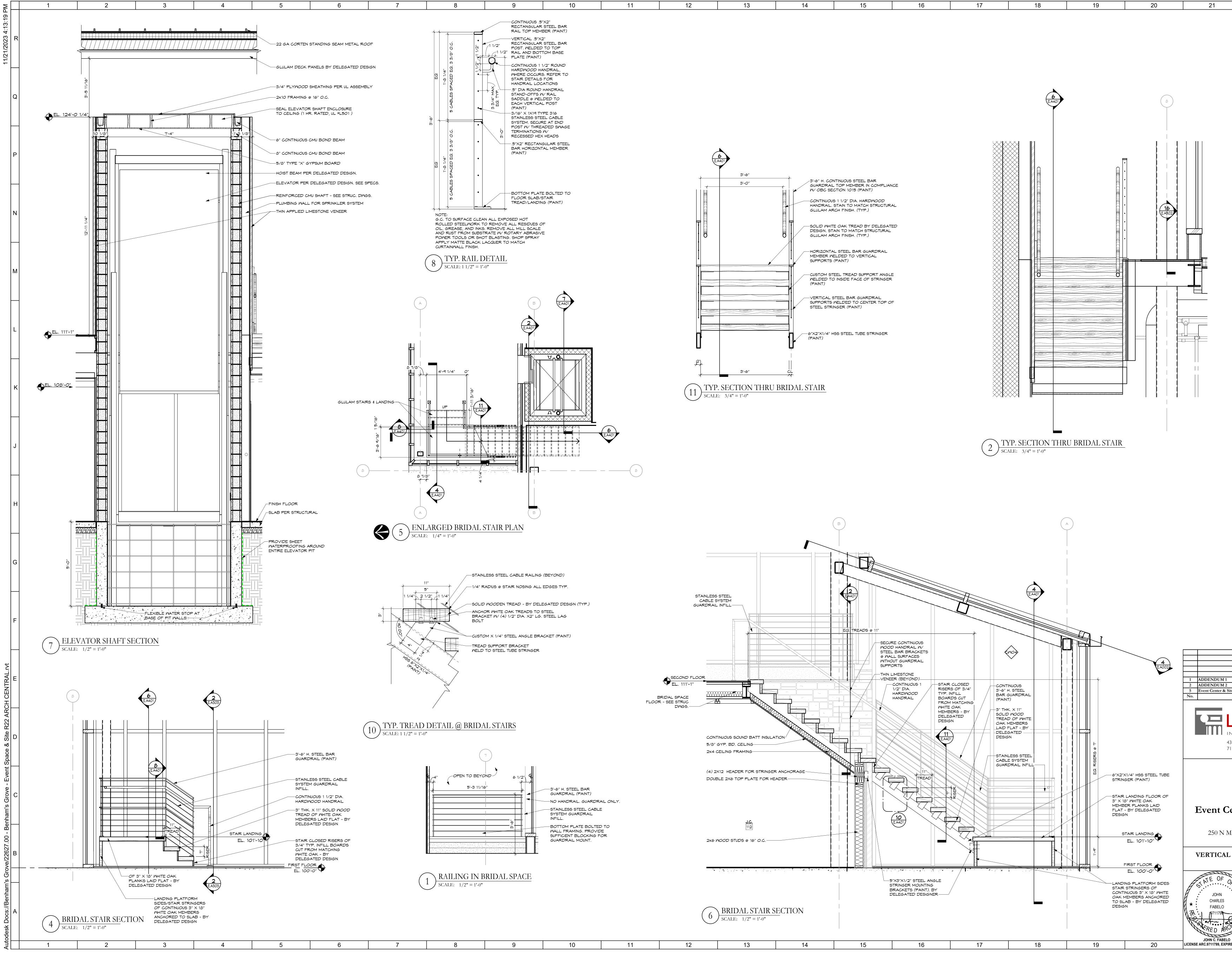


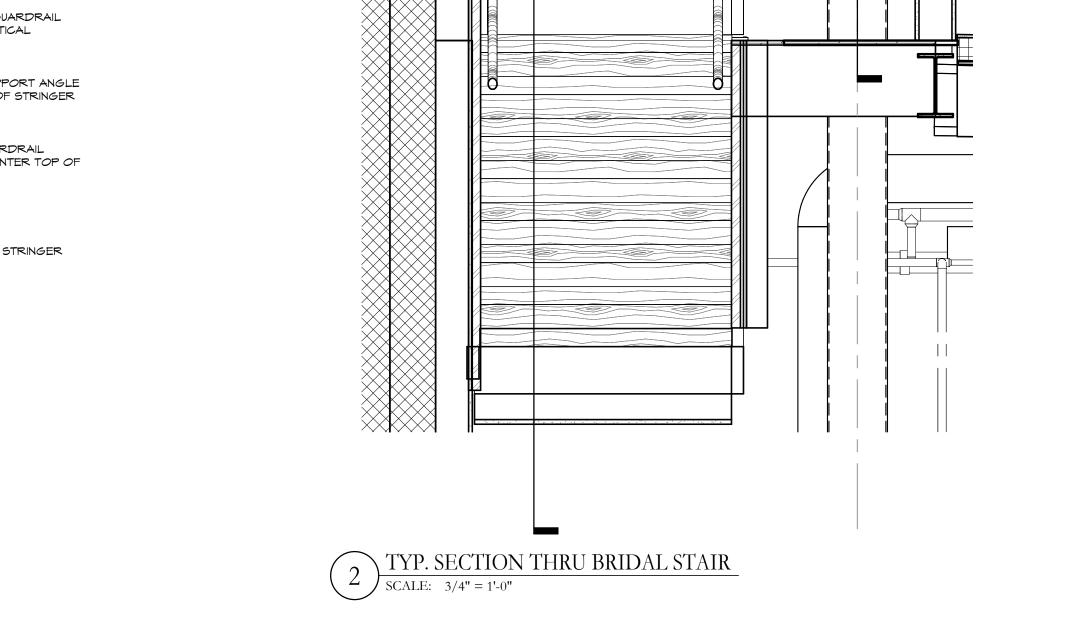
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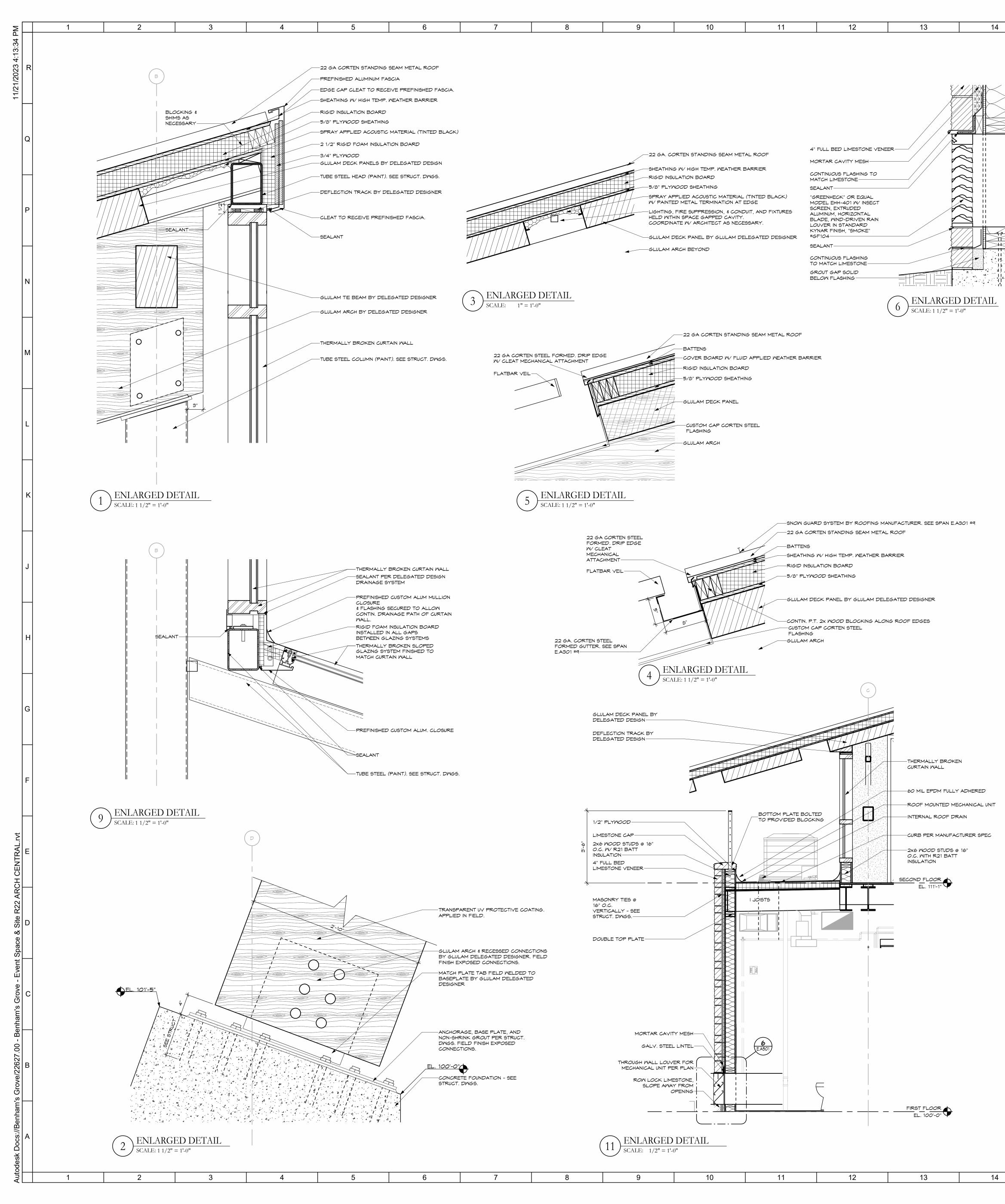
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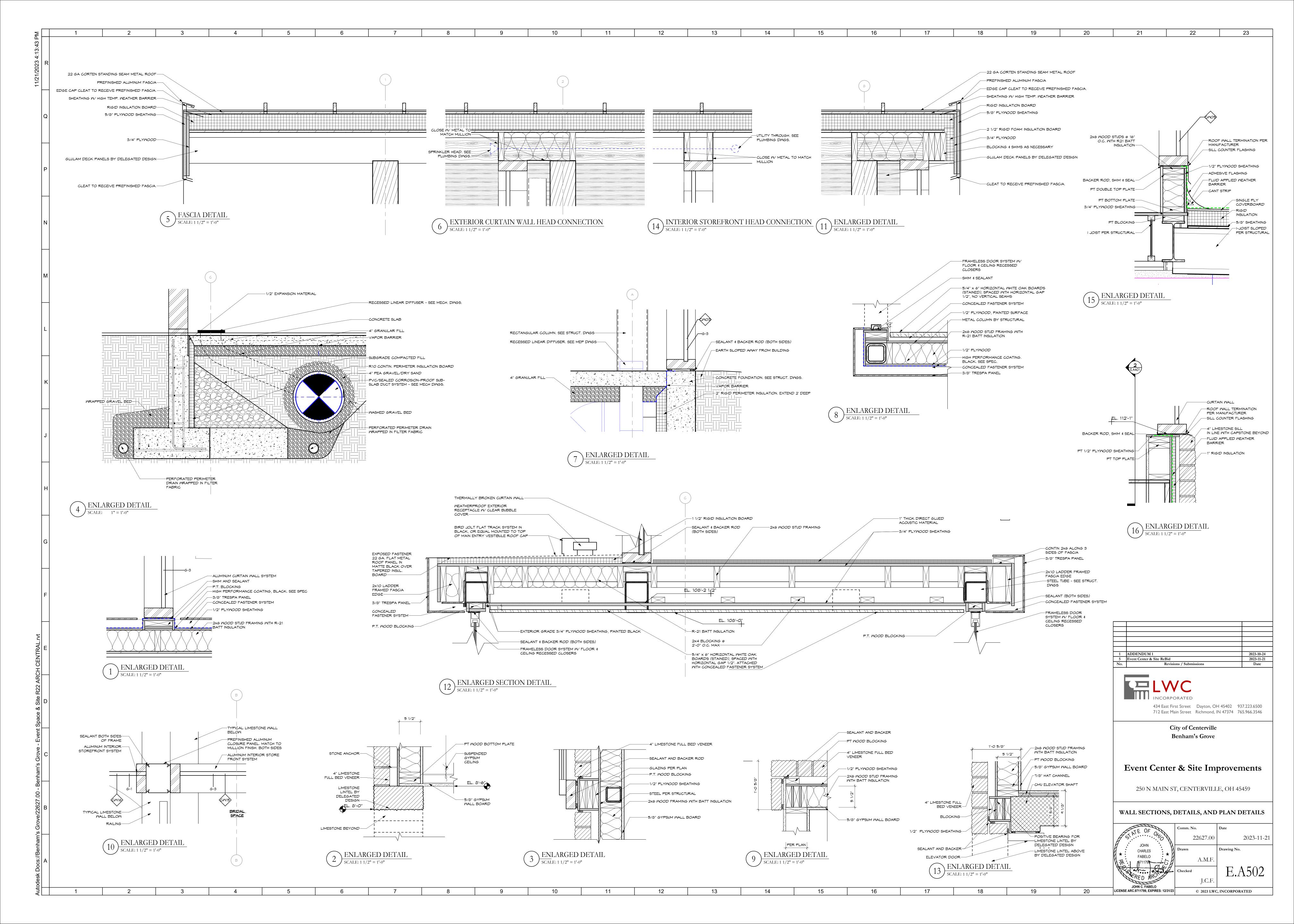


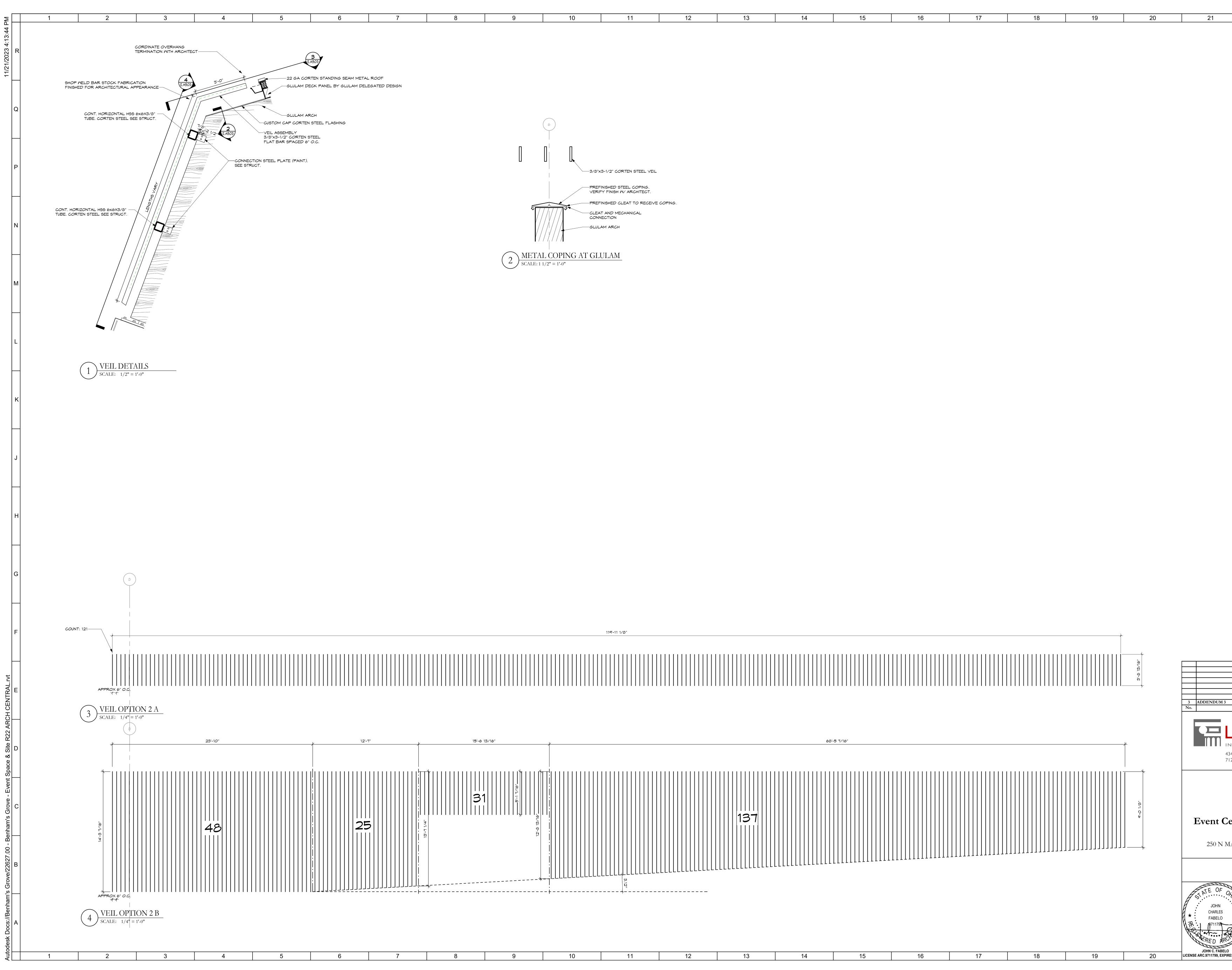
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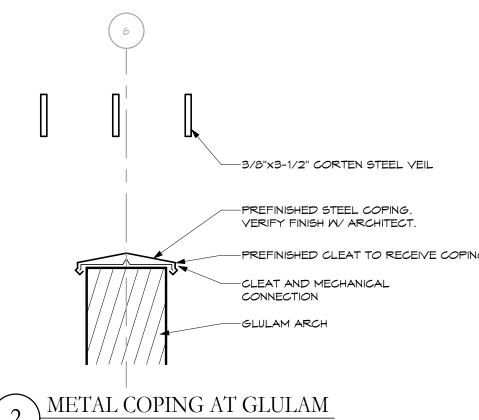


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								-GLULAM WEDGE F	ANEL BY GLULAM DELEGAT FACTORY INSTALLED AND FAIN WALL HEAD MOUNTING	FINISHED	
					1				CK HEAD CONNECTION KEN CURTAIN WALL		
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	4 4 4 4										
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			\bigcirc								
		LIMESTONE CAF	P		-	1'-0 5/8" 1			-WRAP EPDM CONTINUOUS -3/4" FRT PLYWOOD	BENEATH CAP	
									-P.T. DOUBLE TOP PLATE		
									<u>SECOND</u> FLOOR EL. 111'-1	<u>*</u>	
									-12" ENGINEERED I-JOIST		
		MASONRY TIE @ O.C. VERTICALL SEE STRUCT. DI	LY -						-JOIST HANGER PER STRUC	CTURAL	1 ADDENDUM 1
		4" FULL BED LIMESTONE							-DOUBLE TOP PLATE		2ADDENDUM 25Event Center & SiteNo.
		VENEER							-2x6 WOOD STUD FRAMING	∋ @ 16" O.C.	
			TION						-R21 BATT INSULATION -MORTAR CAVITY MESH		
		1" RIGID INSULA							-P.T. DOUBLE BOTTOM PLA ANCHORAGE PER STRUCT		434 712
		FLUID-APPLIED WEATHER BARR							-FINISH FLOOR		
		1/2" PLYWOOD SHEATHING							FIRST FLOOR	3 •	
		FLASHING TO M LIMESTONE	1АТСН	•					EL. 100'-0	\Box	
		SEE CIVIL DWGS FINISH GRADES			<u></u>				-SLAB PER STRUCTURAL		Event Ce
								-	-1/2" EXPANSION MATERIAL -GROUT GAP SOLID BELOK		250 N MA
									-CONCRETE FOUNDATION -	SEE STRUCT. DWGS.	WALL SECTIO
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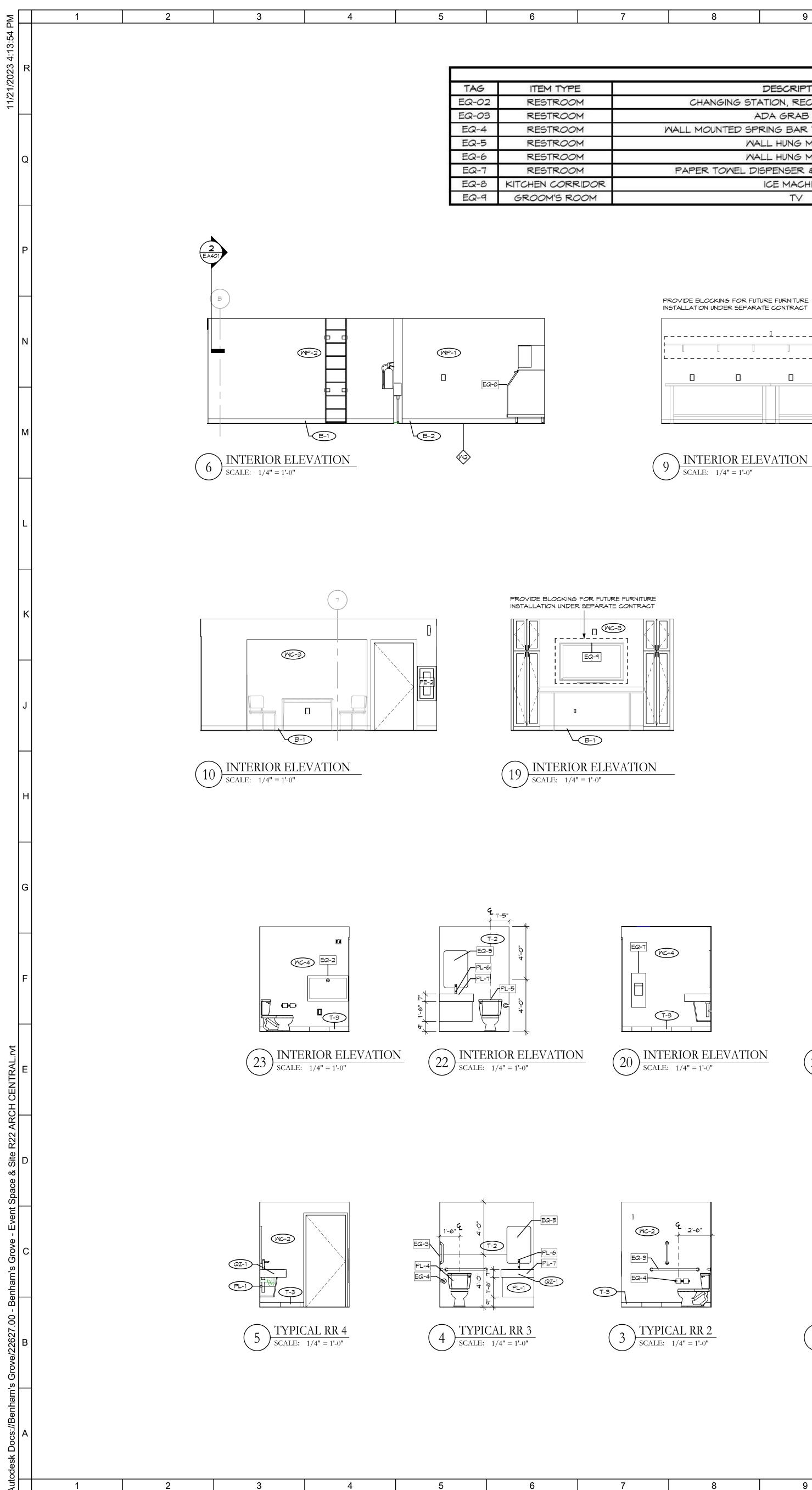
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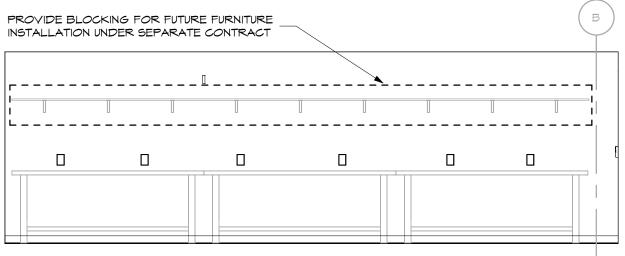


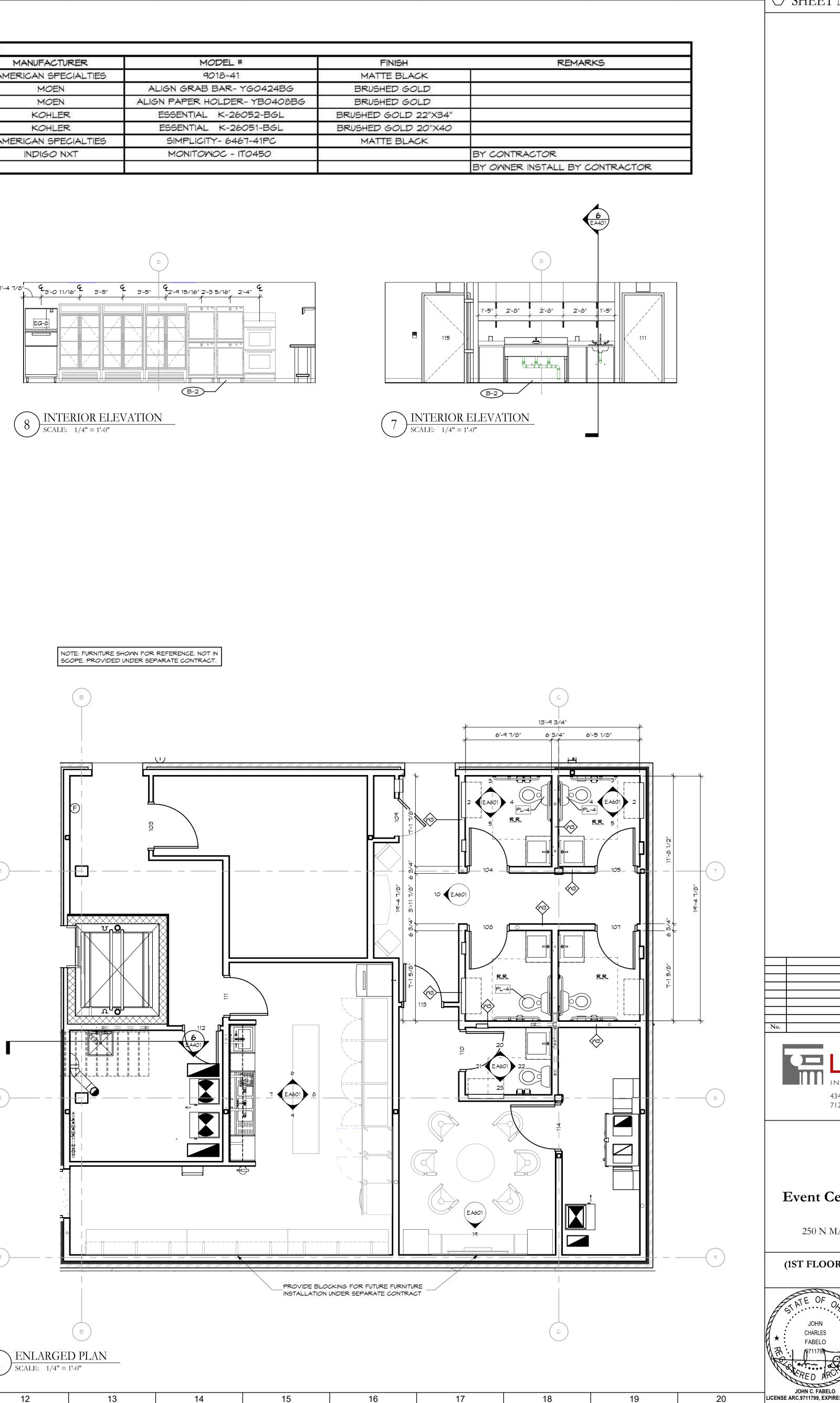
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V.	EIL DETAILS Comm. No. 22627.00 Drawn A.H.F. Checked L.L.	Date Drawing No.	2023-11-21 A503

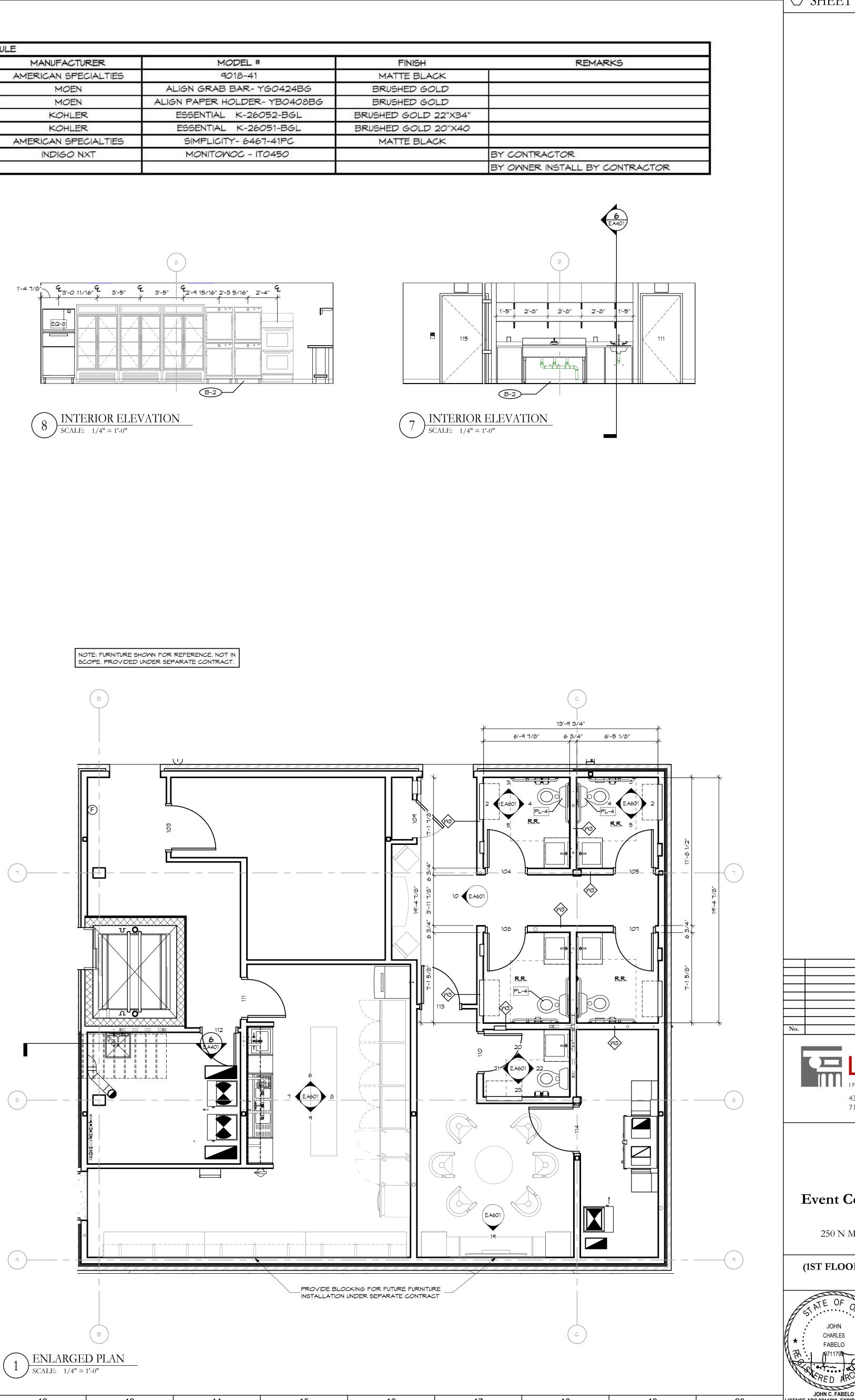


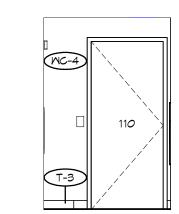
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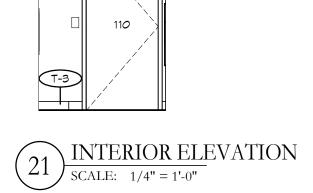
	EQ	JIPMENT SCHED	ULE	
	DESCRIPTION	COUNT	MANUFACTURER	M
	CHANGING STATION, RECCESSED MOUNTED	5	AMERICAN SPECIALTIES	9
	ADA GRAB BAR		MOEN	ALIGN GRAB
	WALL MOUNTED SPRING BAR TOILET PAPER HOLDER	12	MOEN	ALIGN PAPER H
	WALL HUNG MIRROR	5	KOHLER	ESSENTIAL
	WALL HUNG MIRROR	3	KOHLER	ESSENTIAL
	PAPER TOWEL DISPENSER & WASTE RECEPTACLE	1	AMERICAN SPECIALTIES	SIMPLICIT
٢	ICE MACHINE	1	INDIGO NXT	MONITON
	TV	1		

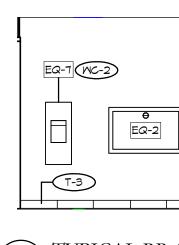






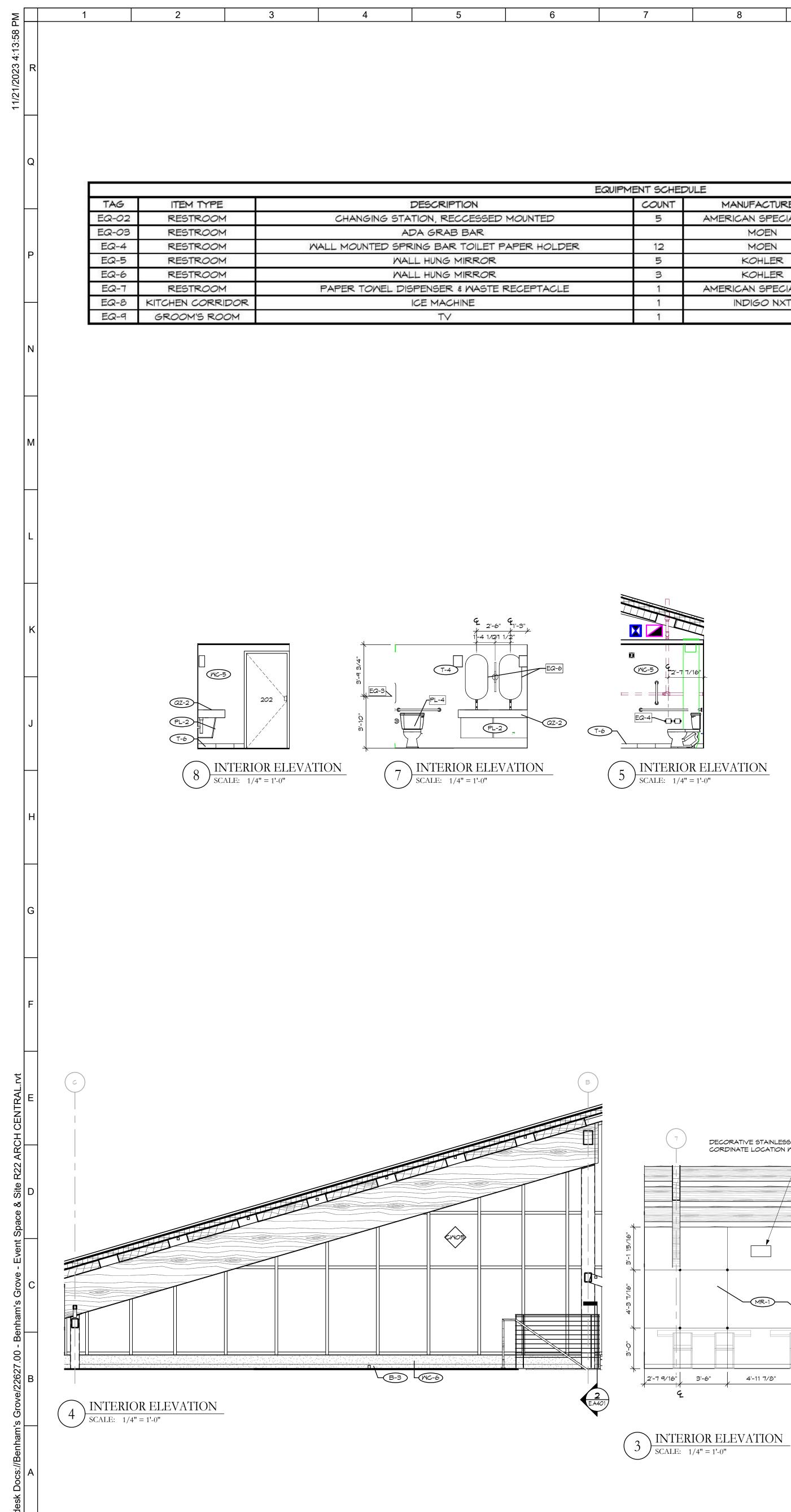






 $2 \frac{\text{TYPICAL RR 1}}{\text{SCALE: } 1/4" = 1'-0"}$

Revisio	ons / Submissions		Date
LW	/C		
NCORPC			
	st Street Dayton, Ol in Street Richmond, I		
Ci	ity of Centerville		
В	enham's Grove		
Center	& Site Im	proven	nents
Center	& Site Im	proven	nents
	& Site Im		
MAIN ST		.Е, ОН 45 'ROOM P	459
MAIN ST	I', CENTERVILI	.Е, ОН 45 'ROOM P	459
MAIN ST	Γ, CENTERVILI LARGED REST D ELEVATION	LE, OH 45 'Room P S	459
MAIN ST DR) ENI ANI	Γ, CENTERVILI LARGED REST D ELEVATION Comm. No.	LE, OH 45 'Room P S	459 P LANS
MAIN ST DR) ENI ANI	LARGED REST DELEVATION Comm. No. 22627.00	LE, OH 45 ROOM P S Date Drawing No.	459 P LANS 2023-11-21
MAIN ST DR) ENI ANI	F, CENTERVILI LARGED REST DELEVATION Comm. No. 22627.00 Drawn A.M.F. Checked	LE, OH 45 ROOM P S Date Drawing No.	459 P LANS
MAIN ST DR) ENI ANI	F, CENTERVILI LARGED REST DELEVATION Comm. No. 22627.00 Drawn A.M.F. Checked L.L.	LE, OH 45 ROOM P S Date Drawing No.	459 PLANS 2023-11-21 4601



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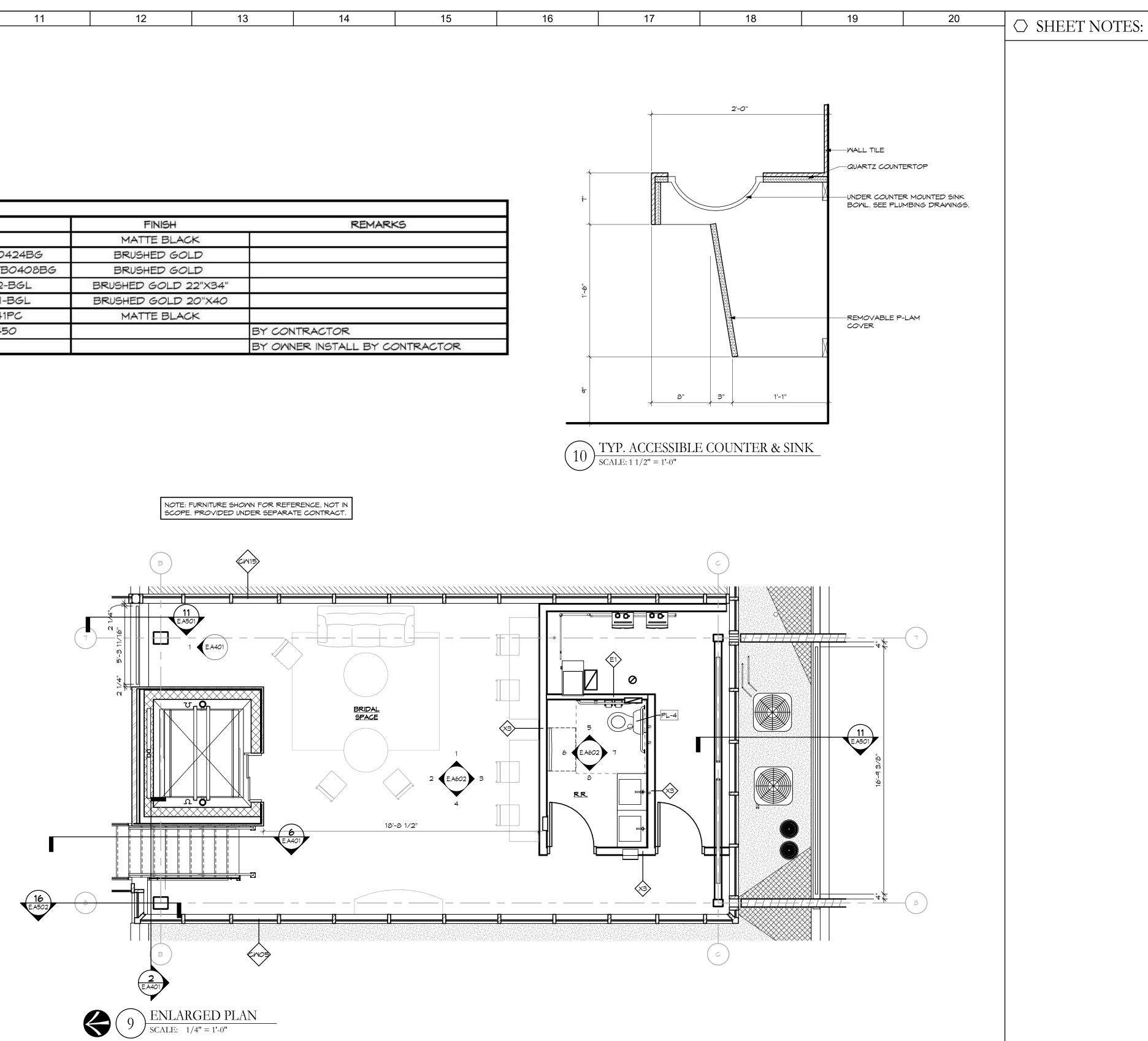
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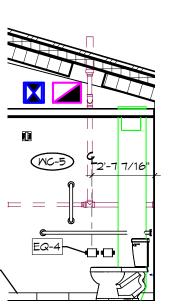
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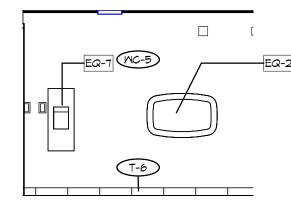
7	8	9	10	11	12	13	14

ENT SCHED	PULE			
COUNT	MANUFACTURER	MODEL #	FINISH	F
5	AMERICAN SPECIALTIES	9018-41	MATTE BLACK	
	MOEN	ALIGN GRAB BAR- YG0424BG	BRUSHED GOLD	
12	MOEN	ALIGN PAPER HOLDER- YB0408BG	BRUSHED GOLD	
5	KOHLER	ESSENTIAL K-26052-BGL	BRUSHED GOLD 22"X34"	
3	KOHLER	ESSENTIAL K-26051-BGL	BRUSHED GOLD 20"X40	
1	AMERICAN SPECIALTIES	SIMPLICITY- 6467-41PC	MATTE BLACK	
1	INDIGO NXT	MONITOWOC - IT0450		BY CONTRACTOR
1				BY OWNER INSTALL
	COUNT 5 12 5	COUNTMANUFACTURER5AMERICAN SPECIALTIESMOENMOEN12MOEN5KOHLER3KOHLER1AMERICAN SPECIALTIES	COUNTMANUFACTURERMODEL #5AMERICAN SPECIALTIES9018-41MOENALIGN GRAB BAR- YG0424BG12MOENALIGN PAPER HOLDER- YB0408BG5KOHLERESSENTIAL K-26052-BGL3KOHLERESSENTIAL K-26051-BGL1AMERICAN SPECIALTIESSIMPLICITY- 6467-41PC	5AMERICAN SPECIALTIES9018-41MATTE BLACKMOENALIGN GRAB BAR- YG0424BGBRUSHED GOLD12MOENALIGN PAPER HOLDER- YB0408BGBRUSHED GOLD5KOHLERESSENTIAL K-26052-BGLBRUSHED GOLD 22"X34"3KOHLERESSENTIAL K-26051-BGLBRUSHED GOLD 20"X401AMERICAN SPECIALTIESSIMPLICITY- 6467-41PCMATTE BLACK





5 INTERIOR ELEVATION SCALE: 1/4" = 1'-0"



 $6 \underbrace{\text{INTERIOR ELEVATION}}_{\text{SCALE: } 1/4" = 1'-0"}$

8

1" ROUND MIRROR

-BEVELED EDGE

MIRROR BASE

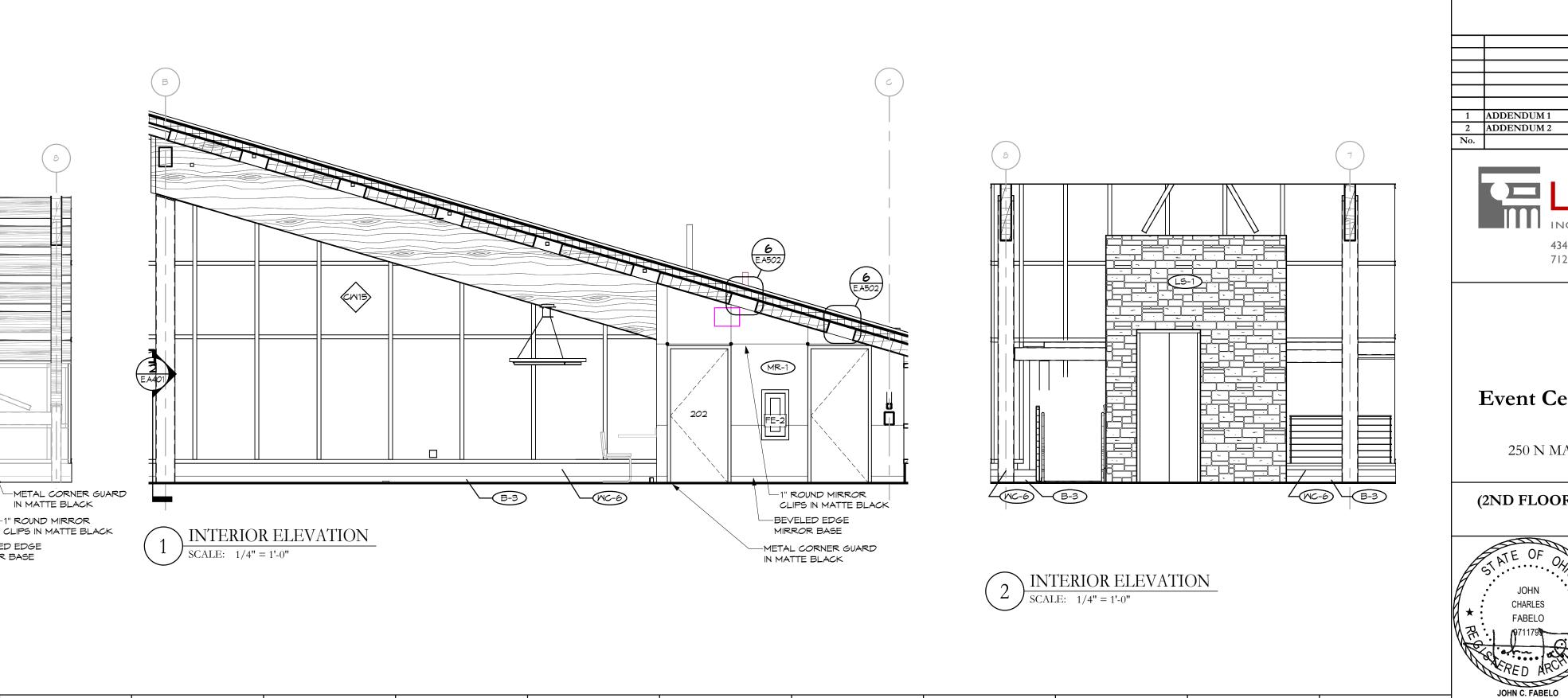
CLIPS IN MATTE BLACK

DECORATIVE STAINLESS STEEL DIFFUSER/GRILLE. CORDINATE LOCATION WITH ARCHITECT.

4'-11 7/8"

3'-6"

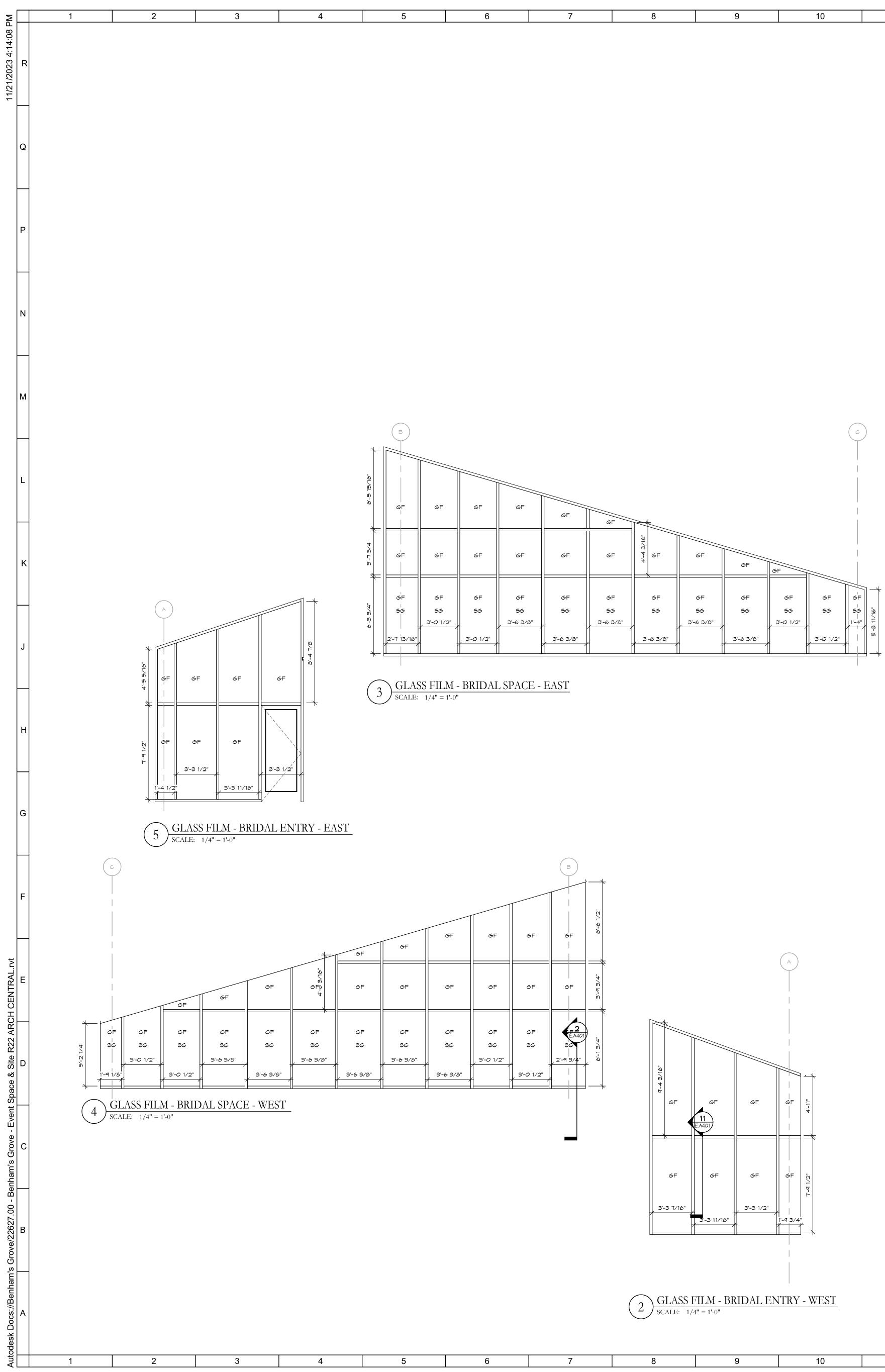
2'-7 9/16" 3'-6"



14



				2022 40 24	
1 ADDENDUM 1 2 ADDENDUM 2				2023-10-24 2023-11-01	
	ons / Subm	issions		Date	
	DRATED st Street	,	H 45402 93 IN 47374 76		
	City of Centerville Benham's Grove				
	Event Center & Site Improvements 250 N MAIN ST, CENTERVILLE, OH 45459				
(2ND FLOOR) EN ANI		ED REST VATION		PLANS	
ATT OF	Comm. N	0.	Date		
STATE OF OH		22627.00		2023-11-21	
JOHN CHARLES ★ FABELO 伊71179	Drawn	R.M.	Drawing No.		
RED ARCH	Checked	L.L.	E.A	4602	
JOHN C. FABELO LICENSE ARC.9711799, EXPIRES: 12/31/23		© 2023 LWC	, INCORPOR	ATED	
1					



CODE	MATERIAL
ACT-1	ACOUSTICAL CEILING TILE
B-1	BASE
B-2	BASE
B-3	BASE
CG-1	CORNER GUARD
CPT-1	CARPET
FA-1	FLOORING ACCESSORY
G-1	GROUT
G-2	GROUT
G-3	GROUT
MR-1	MIRROR
P- 1	PAINT
P-2	PAINT
P-3	PAINT
P-4	PAINT
P-5	PAINT
P-6	PAINT
P-7	PAINT
P-8	PAINT
P-9	PAINT
PL-1	PLASTIC LAMINATE
PL-2	PLASTIC LAMINATE
PL-3	PLASTIC LAMINATE
QZ-1	QUARTZ
QZ-2	QUARTZ
ST-1	STAIN
STN-1	STONE
T- 1	TILE
T-2	TILE
T-3	TILE
T-4	TILE
T-5	TILE
T-6	TILE
T-7	TILE
TS-1	TRANSITION
MC-1	WALL COVERING
WC-2	WALL COVERING
WC-3	WALL COVERING
WC-4	WALL COVERING
WC-5	WALL COVERING
WC-6	WALL COVERING
MP-1	WALL PROTECTION
MP-2	WALL PROTECTION

1 GLASS FILM - BRIDAL ENTRY - NORTH SCALE: 1/4" = 1'-0"

						GF SG
GF	GF	GF	GF	GF	GF	
GF	GF	GF	GF	GF	GF	
	1'-10 7/16 1 7	, 3'-0 9/16"	3'-0 9/16"	2'-2"	2'-2"	<u>.</u>
	L			1		

	SHAW CONTRACT	FELTED/ 5T455	-	
	SCHLUTER	COVE SHAPED PROFILES	-	
	MAPEL	-	-	FIRST FLOOR RR.
	MAPEL	-	-	BRIDAL SUITE RR.
	MAPEL	-	27- SILVER	UTILITY ROOM
		BEVELED EDGE MIRROR		CUSTOM CUT
	SHERMIN MILLIAMS	-	-	
	SHERMIN MILLIAMS	-	-	DOOR FRAME
	SHERMIN MILLIAMS	-	-	UTILITY ROOM
	SHERMIN MILLIAMS	-	-	RAILING
	SHERMIN MILLIAMS	-	-	
	SHERMIN MILLIAMS	-	-	FRAMES
	SHERMIN MILLIAMS	-	-	CEILING
	SHERMIN MILLIAMS	-	-	STRUCTURE
	SHERMIN MILLIAMS	-	-	
	WILSONART	-	-	FIRST FLOOR RR.
	WILSONART	-	-	BRIDAL SUTIE RR.
	WILSONART	-	-	
	WILSONART	-	-	FIRST FLOOR RR.
	WILSONART	-	-	BRIDAL SUITE RR.
		-	-	
		-	-	
	DALTILE	PANORAMIC PORCELAIN SURFACES	ZEBRA CALACATTA CM59- MATTE	BLACK - FLOOR
	DALTILE	PANORAMIC PORCELAIN SURFACES	ZEBRA CALACATTA CM59- MATTE	BLACK - WALL
	DALTILE	PANORAMIC PORCELAIN SURFACES	ZEBRA CALACATTA CM59- MATTE	CUSTOM CUT, BLACK - BASE
	DALTILE	MARBLE ATTACHE / MATTE 24X48	STATUARIO CMO3 - MATTE	WHITE - FLOOR
	DALTILE	MARBLE ATTACHE / SATIN 24X48	STATUARIO CMO3 - MATTE	NHITE - MALL
	DALTILE	MARBLE ATTACHE / MATTE	STATUARIO CMO3 - MATTE	CUSTOM CUT, WHITE - BASE
	CROSSVILLE	CROSS-COLOR MINGLES	MERCURY	UTILITY ROOM
	SCHULTER	-	-	
	-	-	-	
	-	-	-	RESTROOMS
	-	-	-	GROOM'S ROOM
	-	-	-	GROOM'S ROOM RR.
	-	-	-	BRIDAL SUTIE RR.
	-	-		BRIDAL SUITE
	-	-	-	KITCHEN
1	-	-	-	CORRIDOR

(6)

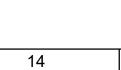
	FINISH MATERIAL SCHEDULE		
MANUFACTURER	DESCRIPTION / PATTERN	COLOR / MATERIAL	REMARKS
TARKETT	MILLWORK BASE/ MANDALAY		
TARKETT	MILLWORK BASE/ MANDALAY	-	
TARKETT	MILLWORK BASE/ MANDALAY	-	
TARKETT	VBG-XXX-C	-	
SHAW CONTRACT	FELTED/ 5T455	-	
SCHLUTER	COVE SHAPED PROFILES	-	
MAPEL	-	-	FIRST FLOOR RR.
MAPEL	-	-	BRIDAL SUITE RR.
MAPEL	-	27- SILVER	UTILITY ROOM
	BEVELED EDGE MIRROR		CUSTOM CUT
SHERMIN MILLIAMS	-	-	
SHERMIN MILLIAMS	-	-	DOOR FRAME
SHERMIN MILLIAMS	-	-	UTILITY ROOM
SHERMIN WILLIAMS	-	-	RAILING
SHERMIN MILLIAMS	-	-	
SHERMIN WILLIAMS	-	-	FRAMES
SHERMIN MILLIAMS	-	-	CEILING
SHERMIN MILLIAMS	-	-	STRUCTURE
SHERMIN WILLIAMS	-	-	
WILSONART	-	-	FIRST FLOOR RR.
WILSONART	-	-	BRIDAL SUTIE RR.
WILSONART	-	-	
WILSONART	-	-	FIRST FLOOR RR.
WILSONART	-	-	BRIDAL SUITE RR.
	-	-	
	-	-	
DALTILE	PANORAMIC PORCELAIN SURFACES	ZEBRA CALACATTA CM59- MATTE	BLACK - FLOOR
DALTILE	PANORAMIC PORCELAIN SURFACES	ZEBRA CALACATTA CM59- MATTE	BLACK - WALL
DALTILE	PANORAMIC PORCELAIN SURFACES	ZEBRA CALACATTA CM59- MATTE	CUSTOM CUT, BLACK - BA
DALTILE	MARBLE ATTACHE / MATTE 24X48	STATUARIO CMO3 - MATTE	WHITE - FLOOR
DALTILE	MARBLE ATTACHE / SATIN 24X48	STATUARIO CMO3 - MATTE	WHITE - WALL
DALTILE	MARBLE ATTACHE / MATTE	STATUARIO CMO3 - MATTE	CUSTOM CUT, MHITE - BAS
CROSSVILLE	CROSS-COLOR MINGLES	MERCURY	UTILITY ROOM
SCHULTER	-	-	
-	-	-	

18	19	20	21
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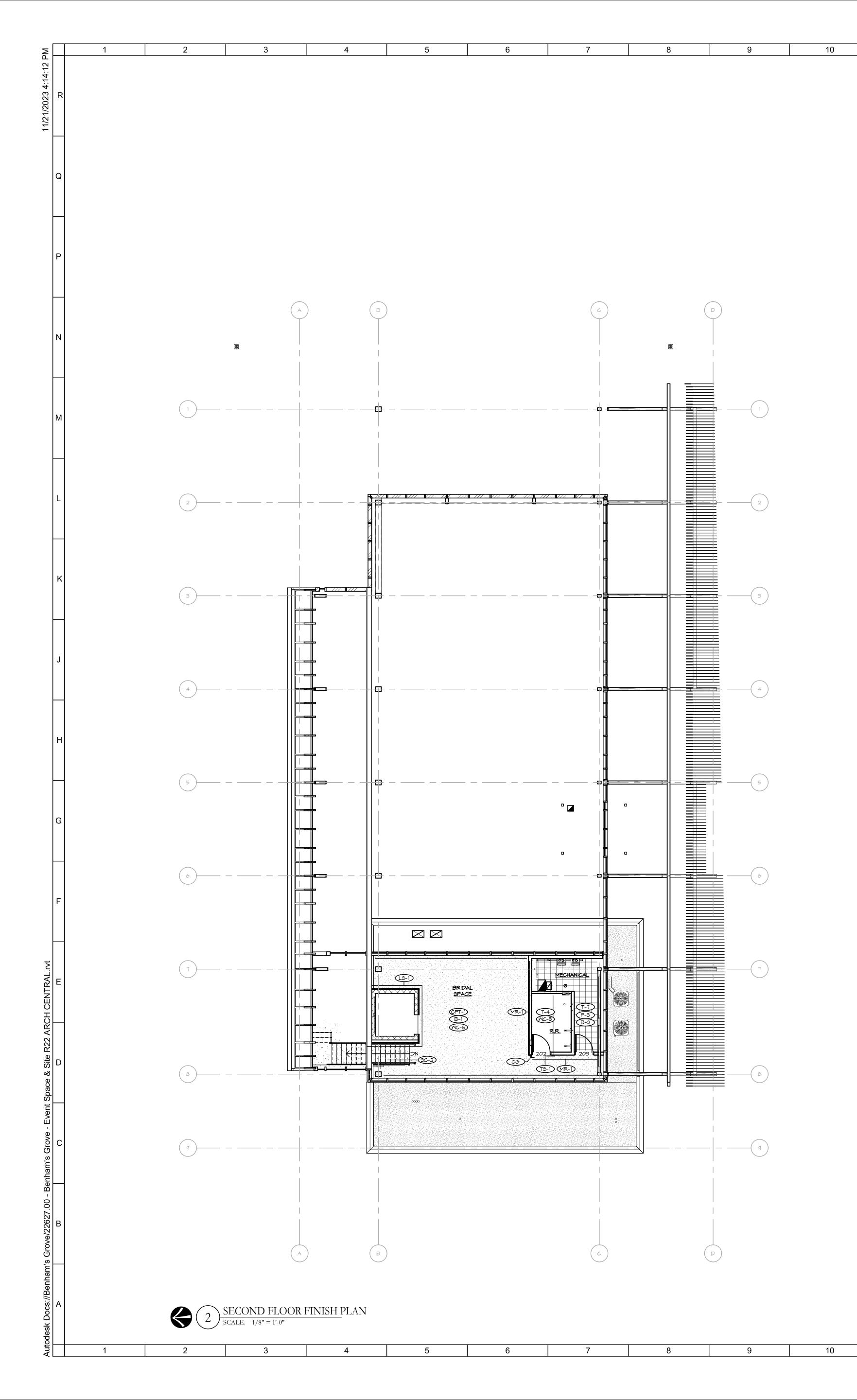
TAG GLAS SPAN GLAZING FILM TYPES

Event Ce 250 N N STATE OF JOHN CHARLES FABELO 971179 RED ARC JOHN C. FABELO LICENSE ARC.9711799, EXPIRE

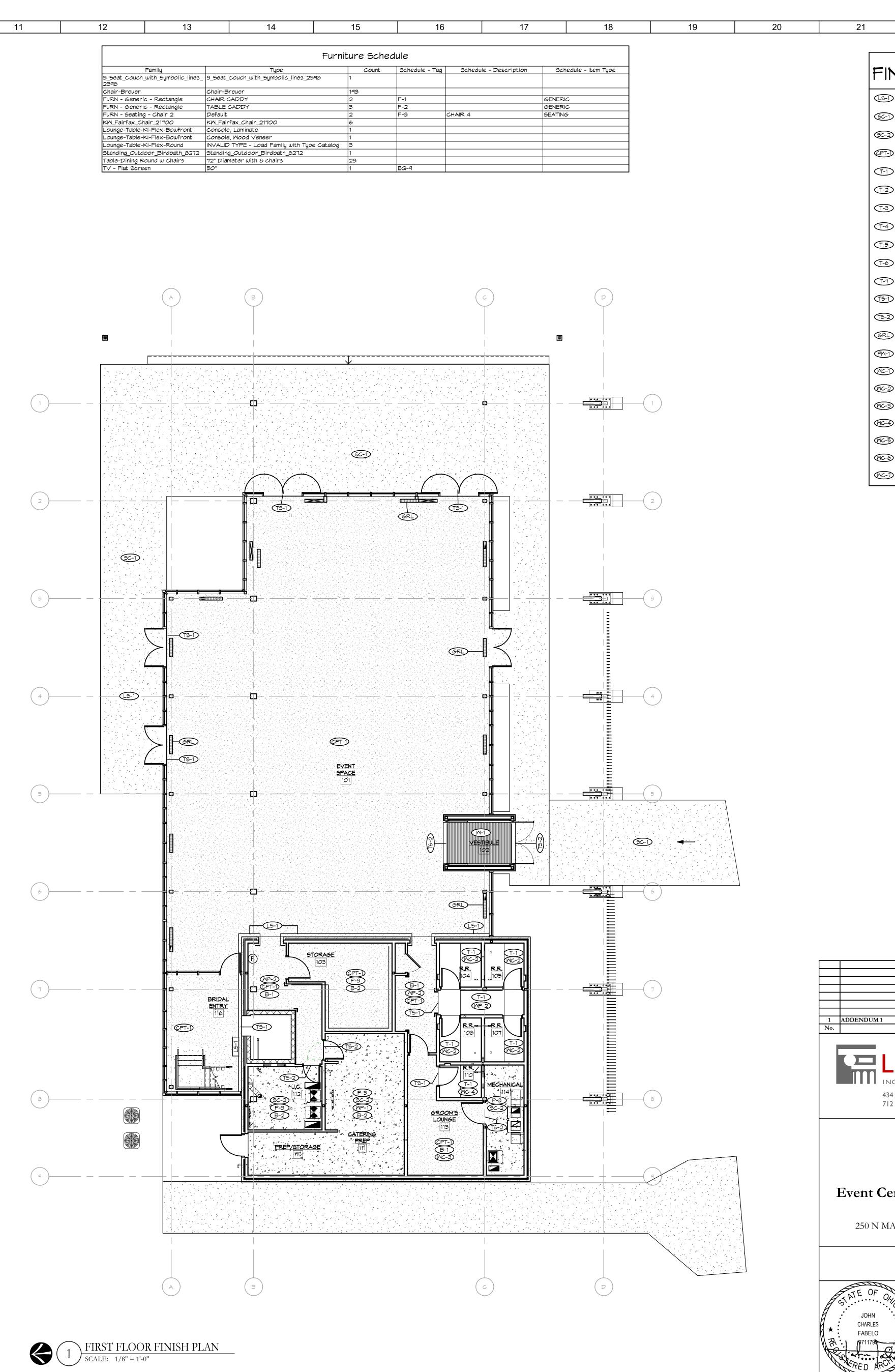
No.



TAG	GLASS FILM	
	SPANDREL GLASS ALTERNATE	
No.	Revisions / Submissions	Date
	LWC Incorporated	
	434 East First Street Dayton, OH 45402 93	
	712 East Main Street Richmond, IN 47374 76.	
	City of Centerville	
	Benham's Grove	
Even	t Center & Site Improven	nents
	*	
250	N MAIN ST, CENTERVILLE, OH 454	459
	INTERIOR DESIGN	
STATE	OF OK Comm. No. Date	
Joi ni	HN : W	2023-11-21
CHAF	ELO	
FAB PT PT PT PT PT PT PT PT PT PT	1799 C.L.W.	רטע ר
100	L.L.	D 001
JOHN C. ENSE ARC.971179		TED



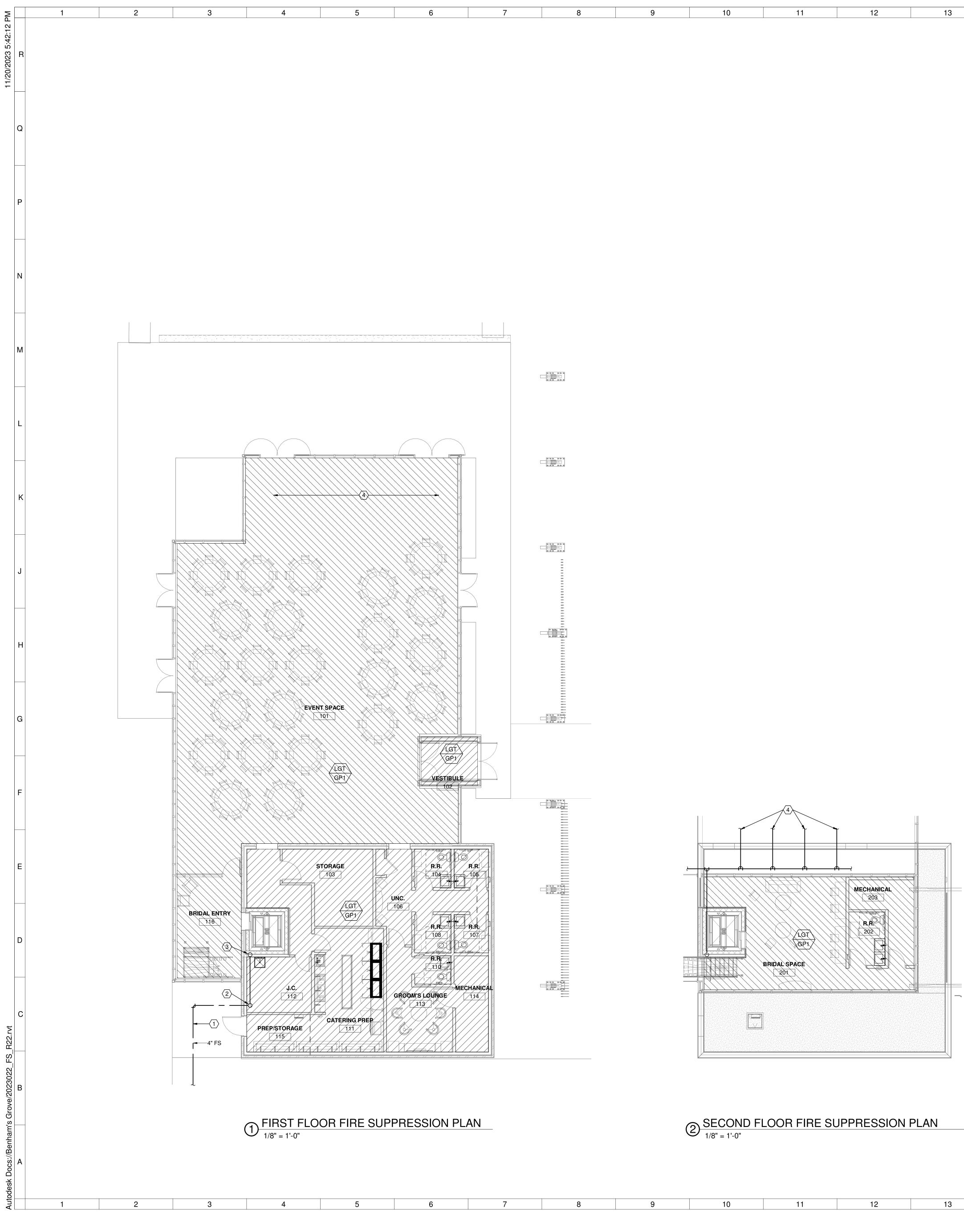
12	13		14
	Family		Туре
3_Seat_Coud 2398	ch_with_Symbolic_lines_	3_Seat_Couch_	with_Symboli
Chair-Breue	r	Chair-Breuer	
FURN - Gene	eric - Rectangle	CHAIR CADDY	
FURN - Gene	eric - Rectangle	TABLE CADDY	
FURN - Seat	ing - Chair 2	Default	
KW_Fairfax_	Chair_21700	KW_Fairfax_Ch	air_21700
Lounge-Table	e-KI-Flex-Bowfront	Console, Lamir	nate
Lounge-Table	e-KI-Flex-Bowfront	Console, Mood	l Veneer
Lounge-Table	e-KI-Flex-Round	INVALID TYPE	- Load Family
Standing_Ou	tdoor_Birdbath_8272	Standing_Outd	oor_Birdbath
Table-Dining	Round w Chairs	72" Diameter u	uith 8 chairs
TV - Flat Sc	reen	50"	



JOHN C. FABELO

IN	15	H LEGE		
		STONE INLAY (HONED)		
		DSED AGGREGATE CC		ERIOR)
		ED CONCRETE (INTER		
		PET TILE - SHAW CONT	RACT FELTEI	2
-D				
-2)				
-3)	TILE			
-4	TILE			
-5)				
-6)	TILE			
-D	TILE			
<u>-</u> D	TRAI	NSITION STRIP		
-2	TRAI	NSITION STRIP		
\mathbb{P}	HVA	C DIFFUSER GRILL		
V-1)	MALI	- PROTECTION		
	MALI	_ COVERING		
-2)	MALI	- COVERING		
		_ COVERING		
		_ COVERING		
		- COVERING		
		_ COVERING		
-D	MALI	- COVERING		
				2023-10-24
	Revisio	ons / Submissions		Date
L	\mathbf{V}	/C		
		DRATED		
		st Street Dayton, Ol in Street Richmond, I		
	Ci	ty of Centerville		
		enham's Grove		
Cen	iter	& Site Im	proven	nents
		-	-	
MAI	N ST	F, CENTERVILL	.Е, ОН 45	459
	F	NISH PLANS		
				I
\mathcal{V}		Comm. No.	Date	
OHIO	<i>S</i>		Date	2023-11-21
OHIO		Comm. No.	Date Drawing No.	2023-11-21

E.ID101 Checked L.L. LICENSE ARC.9711799, EXPIRES: 12/31/23 © 2023 LWC, INCORPORATED



7	8	9	10	11	12	13	

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SYMBOL

_____FS_____

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ORD GP1

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____(

- - - V- - - VENT PIPING

NG-NG-NG-NATURAL GAS PIPING

BACKFLOW PREVENTER

-CW------- DOMESTIC COLD WATER PIPING -HW- - - DOMESTIC HOT WATER PIPING

-HW (140°) — DOMESTIC HOT WATER PIPING (140°)

BALL VALVE

PIPE CAP PIPE UP

PIPE DOWN FLOW ARROW

TAMPER SWITCH

FLOW SWITCH

GP1 = GROUP 1

PLAN NOTE DESIGNATION

-HWR — — — — DOMESTIC HOT WATER RETURN PIPING

BALANCING VALVE

18

FIRE SERVICE PIPING

FIRE SUPPRESSION LEGEND

DESCRIPTION

CHECK VALVE, ARROW INDICATES FLOW DIRECTION

ORD = ORDINARY HAZARD; LGT = LIGHT HAZARD

19

20

 \bigcirc SHEET NOTES: 4" FIRE SERVICE ENTRANCE. SERVICE TAP SHALL BE FROM THE STREET. SERVICE TAP LOCATION SHALL BE COORDINATED WITH THE CITY. SERVICE SIZE OF PIPING TO BE EVALUATED AND

CONFIRMED CONSTRUCTI FIRE SUPPRI DETECTOR

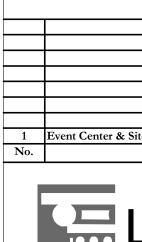
SPRINKLER WALL UP TO

SPRINKLER SPACES. REF NOTCHING F

GENERAL	NOTES

- A. FIRE PROTECTION CONTRACTOR SHALL SECURE AND PAY FOR ALL FEES AND PERMITS ASSOCIATED WITH HIS PORTION OF THE WORK.
- B. THESE WORK PLANS TO BE CONSIDERED AS DIAGRAMMATIC AND REFLECT A MINIMUM ACCEPTABLE STANDARD. ALL WORK SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, ALL LOCAL CODES, AND NFPA 13. FIRE PROTECTION CONTRACTOR SHALL LOCATE FIRE
- PROTECTION SYSTEM PIPING TO PERMIT SLOPPING OF BRANCH PIPING BACK TO MAIN OR AUXILIARY DRAINS. BRANCH PIPING DROPS TO HEADS SHALL AVOID DUCTWORK, HVAC EQUIPMENT, LIGHTS, ACCESSORIES, OTHER PIPING AND ELECTRICAL EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING LAYOUT AND ELEVATIONS. COORDINATE HEAD LOCATIONS WITH SPECIAL SYSTEMS, LIGHTING AND HVAC INSTALLATIONS. HVAC AND LIGHTING INSTALLATIONS SHALL TAKE PRECEDENCE OVER FIRE PROTECTION PIPE AND DEVICE, ROUTING AND LOCATIONS. FIRE PROTECTION CONTRACTOR SHALL PERFORM FLOW AND
- PRESSURE TESTS AND DETERMINE REQUIRED PIPE SIZES BY HYDRAULIC CALCULATIONS METHOD. F. ALL GENERAL USE AREAS, OFFICES AND PUBLIC AREAS ARE TO BE LIGHT HAZARD CLASSIFICATION. MECHANICAL ROOMS AND STORAGE AREAS SHALL BE CLASSIFIED AS ORDINARY HAZARD, GROUP 1. G. PIPES, CONDUITS AND MISCELLANEOUS PENETRATIONS
- THROUGH SMOKE/FIRE BARRIERS (INCL. WALLS, AND CEILINGS) SHALL BE FIRESTOPPED (MEETING THE REQUIREMENTS OF THE ASSEMBLY FIRE RATING) TO MAINTAIN THE INTEGRITY OF THAT BARRIER. H. ALL PIPING, VALVES AND APPURTENANCES SHALL BE INSTALLED SUCH AS NOT TO OBSTRUCT ANY PORTION OF WINDOWS,
- DOORWAYS, PASSAGEWAYS, OR ACCESS TO VARIOUS EQUIPMENT, ETC. FIRE PROTECTION CONTRACTOR SHALL COORDINATE ALL
- ASPECTS OF WORK WITH OTHER TRADES PRIOR TO CONSTRUCTION/INSTALLATION. FIRE PROTECTION PIPING ROUTED THROUGH FINISHED AREAS
- SHALL BE CONCEALED ABOVE CEILING OR IN FURRED-OUT WALL (I.E. INSPECTOR'S TEST, DRAINS, AND ETC). FIRE PROTECTION PIPING SHALL NOT BE EXPOSED IN FINISHED AREAS. COORDINATE WITH GENERAL CONTRACTOR AS NECESSARY.

- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY INTERFACE WIRING AND MONITORING MODULES REQUIRED BETWEEN THE FIRE ALARM BELL, SUPERVISORY SWITCHES, FLOW SWITCHES AND THE FIRE ALARM PANEL. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL INTERFACE TERMINALS AS PART OF THE FIRE ALARM SYSTEM AS REQUIRED TO PROVIDE THE SPECIFIED NOTIFICATION. FIRE PROTECTION CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR AND THE FIRE ALARM PROVIDER PRIOR TO PURCHASE OF FIRE PROTECTION SYSTEM ALARM
- DEVICES. WHEN A CONFLICT BETWEEN PLANS AND SPECIFICATIONS OR NOTES OCCURS. THE ENGINEER SHALL DECIDE WHICH GOVERNS. GENERALLY, THE MORE RESTRICTIVE, MORE SPECIFIC, OR STRICTER PROVISION SHALL GOVERN. IF ANY DISCREPANCIES ARE DISCOVERED ON THE PLANS OR BETWEEN THE PLANS AND THE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ CONSTRUCTION MANAGER AND OBTAIN CLARIFICATION OF THE INTENT FROM THE ENGINEER PRIOR TO CONSTRUCTION OR INSTALLATION OF PROPOSED IMPROVEMENTS.
- THIS CONTRACTOR SHALL BE PERMITTED TO PENETRATE Μ. STRUCTURAL COMPONENTS WHEN APPROVED BY THE
- STRUCTURAL ENGINEER. REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLANS AND CONSTRUCTION. COORDINATE SPRINKLER LOCATIONS WITH CEILING DEVICES (LIGHTING, GRILLES, ETC). AREA OF OPERATION REDUCTIONS FOR USE OF QUICK RESPONSE SPRINKLERS SHALL BE PER NFPA GUIDELINES.
- BASIS FOR DESIGN: LIGHT HAZARD: 1500 SQUARE FEET MINIMUM AREA OF а. OPERATION,0.10 GPM/SQUARE FOOT DENSITY, 225 SQUARE FEET MAXIMUM PER SPRINKLER. A 100 GPM TOTAL HOSE STREAM ALLOWANCE AT SOURCE SHALL BE USED IN THE DESIGN. ORDINARY HAZARD GROUP 1: 1500 SQUARE FEET
- MINIMUM AREA OF OPERATION, 0.15 GPM/SQUARE FOOT DENSITY, 130 SQUARE FEET MAXIMUM PER SPRINKLER. A 250 GPM TOTAL HOSE STREAM ALLOWANCE AT SOURCE SHALL BE USED IN THE DESIGN.





Benha

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FION. ESSION S	SUPPRESSION ENGINEER PRIOR TO
CHECK AS SUPPLY P	PING TO BE RAN UP ELEVATOR FURRED RUCTURE.
PIPING TC	BE ROUTED WITHIN STRUCTURAL FRAMING RCHITECTURAL DRAWINGS FOR FRAMING
Site Rebid	2023-11-21
Revisi	ons / Submissions Date
	/C DRATED
434 East Fir	st Street Dayton, OH 45402 937.223.6500 in Street Richmond, IN 47374 765.966.3546
	Grove City of Centerville ENT BUILDING
CLI	ENI DUILDING
am's	Grove Event Center
	F, CENTERVILLE, OH 45459
	,,,,,,,
	PPRESSION PLANS
	Comm. No. Date 22627.00 2023-11-21
LER L	Drawn Drawing No. JLW
ENGITT ENGITT	Checked E.FS101
	JLW © 2023 LWC, INCORPORATED

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	GENERAL NOT
1.	PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL FEES AND PEI WORK.
2.	PLUMBING CONTRACTOR SHALL COORDINATE ALL ASPECTS OF WORK WI CONSTRUCTION/INSTALLATION.
3.	WORK PLANS TO BE CONSIDERED AS DIAGRAMMATIC AND ALONG WITH T ACCEPTABLE STANDARD. ALL WORK SHALL CONFORM TO THE OHIO PLUM DISABILITIES ACT GUIDELINES.
4.	UNLESS OTHERWISE NOTED, ALL FLOOR DRAINS SHALL BE THREE (3") INC
5.	WHEN A CONFLICT BETWEEN PLANS AND SPECIFICATIONS OR NOTES OCC GOVERNS. GENERALLY, THE MORE RESTRICTIVE, MORE SPECIFIC, OR STE DISCREPANCIES ARE DISCOVERED ON THE PLANS OR BETWEEN THE PLAN CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER AND OBTAIN ENGINEER PRIOR TO CONSTRUCTION OR INSTALLATION OF PROPOSED IN
6.	REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE HEIGHTS AND ACCE
PIPIN	G NOTES
1.	FIXTURES TO BE COMPLETE WITH SUPPLY PIPES WITH STOPS. SUPPLIES A SCREW ESCUTCHEONS, WHERE EXPOSED TO VIEW.
2.	ACCESSIBLE SHUTOFF VALVES SHALL BE PROVIDED FOR EACH TOILET RC PLUMBING CONTRACTOR TO PROVIDE 8"x8" (MIN.) ACCESS PANELS FOR S COORDINATE TYPE AND FINISH WITH DIV. 8 REQUIREMENTS.
3.	PROVIDE SHOCK ARRESTORS AT COLD AND HOT WATER CONNECTIONS T MAKER. PROVIDE AIR CHAMBERS AT WATER SUPPLY CONNECTIONS TO A ARRESTORS PER FIXTURE GROUP AS RECOMMENDED BY PDI INSTITUTE A
4.	PLUMBING VENTS SHALL BE A MINIMUM OF 12'-0" FROM ANY HVAC OUTDO
5.	PROVIDE CLEANOUTS AT BASE OF ALL DWV AND STORM RISERS AND WIT REQUIRED BY CODE, WHETHER OR NOT DIRECTLY INDICATED ON PLUMBI
6.	DRAINAGE (STORM OR SANITARY) PIPE SIZE BELOW FLOOR TO BE 2" MINI ISOMETRICS.
7.	ROOF DRAIN PIPING TO BE ROUTED AT 1/8" PER FOOT PITCH UNLESS OTH
8.	COORDINATE PLACEMENT OF ROOF DRAINS, ROOF DRAIN OVERFLOW UN INSULATION. INSULATE ROOF DRAIN ASSEMBLY AND STORM WATER PIPIN RUN INCLUDING ELBOW DOWN TO VERTICAL. REFER TO SCHEDULE FOR A
9.	ROUTE GAS AND WATER PIPING AS HIGH AS POSSIBLE, OFFSET WHERE IN
10.	GAS MAIN ROUTED THROUGH CEILING SPACE SHALL BE INSTALLED IN SUCTO POSSIBLE DAMAGE. VALVES SHALL NOT BE INSTALLED IN CEILING SPA
11.	NATURAL GAS EQUIPMENT CONNECTIONS SHALL BE PROVIDED WITH VAL FOR A COMPLETE INSTALLATION. INSTALL "AGA" APPROVED FLEXIBLE GAS NOTED. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUI
12.	BACKFILL AROUND UNDERGROUND PIPING WITH 3/8" CLEAN (CA-16) GRAV TIMES THE PIPE OUTSIDE DIAMETER, PRIOR TO FINAL BACKFILL. PVC PIPIN ALONG IT'S HORIZONTAL RUN PRIOR TO BACKFILLING.
13	DWV SUPPLY GAS AND STORM PIPING BOUTED THROUGH FINISHED ARE

13. DWV, SUPPLY, GAS AND STORM PIPING ROUTED THROUGH FINISHED ARE FURRED-OUT WALL. DWV, SUPPLY, GAS AND STORM PIPING PIPING SHALL WHERE NOTED ON DRAWINGS. EQUIPMENT NOTES: 1. INSTALL AL THERMOMETERS IN ACCESSIBLE AND READABLE POSITIONS. FINISH NOTES: 1. PAINT ALL PLUMBING PIPE SUPPORTS WITH A RUST INHIBITIVE PRIMER AN ENAMEL OR ACRYLIC PAINT. 2. PAINT ALL UNINSULATED/UNJACKETED PLUMBING PIPING EXPOSED TO OU VALVES, UNIONS, & ETC., WITH ONE COAT OF RUST INHIBITIVE PRIMER AN PAINT.

THE PLUMBING CONTRACTOR SHALL PROVIDE ALL FIRESTOPPING FOR PL AND FIRE RATED ASSEMBLIES. REFER TO ARCHITECTURAL DRAWINGS F PENETRATIONS SHALL BE FIRESTOPPED TO ORIGINAL ASSEMBLY RATING TIGHT WITH A FLEXIBLE SEALANT. LOW VOLTAGE WIRING NOTES: THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE CONTROL WIRING, BOXES, CONDUIT, CIRCUIT

AND AS REQUIRED TO SATISFY MANUFACTURER'S INSTALLATION REQUIREMENTS. ALL TRANSFORMERS, SPECIALTY CONNECTIONS AND SIMILAR DEVICES THAT ARE PART OF THE PLUMBING SYSTEM SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND TURNED OVER TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION. PLUMBING CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR ON THE LOCATION OF ALL DEVICES REQUIRING CONNECTION.

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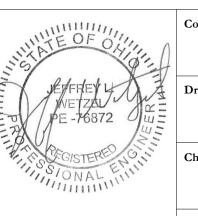
RAL NOTES
FOR ALL FEES AND PERMITS ASSOCIATED WITH HIS PORTION OF THE
ASPECTS OF WORK WITH OTHER TRADES PRIOR TO AND DURING
IC AND ALONG WITH THE SPECIFICATIONS, REFLECT A MINIMUM ORM TO THE OHIO PLUMBING CODE, AND THE AMERICANS WITH
HALL BE THREE (3") INCH IN SIZE. ATIONS OR NOTES OCCURS. THE ENGINEER SHALL DECIDE WHICH IORE SPECIFIC, OR STRICTER PROVISION SHALL GOVERN. IF ANY OR BETWEEN THE PLANS AND THE SPECIFICATIONS, THE MANAGER AND OBTAIN CLARIFICATION OF THE INTENT FROM THE TION OF PROPOSED IMPROVEMENTS. RE HEIGHTS AND ACCESSIBILITY REQUIREMENTS.
ITH STOPS. SUPPLIES AND STOPS TO BE CHROME PLATE W/SET
D FOR EACH TOILET ROOM AND EXTERIOR WALL HYDRANTS. CCESS PANELS FOR SHUTOFF VALVES WHERE REQUIRED,
EMENTS. ATER CONNECTIONS TO WASHING MACHINE AND REFRIGERATOR ICE Y CONNECTIONS TO ALL OTHER FIXTURE OR PROVIDE SHOCK ED BY PDI INSTITUTE AND MANUFACTURER. OM ANY HVAC OUTDOOR AIR OPENINGS. ORM RISERS AND WITHIN 5'-0" (EITHER SIDE) OF EXTERIOR WALL AS NDICATED ON PLUMBING PLAN. I FLOOR TO BE 2" MINIMUM. FOR SIZES REFER TO PLANS AND
OT PITCH UNLESS OTHERWISE NOTED ON DRAWINGS. DRAIN OVERFLOW UNITS AND INSTALLATION OF TAPERED ROOF D STORM WATER PIPING THE ENTIRE LENGTH OF INITIAL HORIZONTAL R TO SCHEDULE FOR ADDITIONAL INFORMATION. BLE, OFFSET WHERE IN CONFLICT WITH OTHER TRADES. L BE INSTALLED IN SUCH A MANNER SO AS NOT TO SUBJECT PIPING FALLED IN CEILING SPACE.
E PROVIDED WITH VALVES, UNIONS, DIRT LEGS, ETC. AS NECESSARY PROVED FLEXIBLE GAS SUPPLY CONNECTION WHERE SPECIFICALLY OR ADDITIONAL REQUIREMENTS.
B" CLEAN (CA-16) GRAVEL ALL AROUND. BACKFILL A MINIMUM OF TWO AL BACKFILL. PVC PIPING SHALL BE PROPERLY SUPPORTED EVERY 4'-0"
IG. ROUGH FINISHED AREAS SHALL BE CONCEALED ABOVE CEILING OR IN /I PIPING PIPING SHALL NOT BE EXPOSED IN FINISHED AREAS, EXCEPT
EADABLE POSITIONS.
INHIBITIVE PRIMER AND TWO COATS OF GLOSS GRAY OR BLACK
IPING EXPOSED TO OUTDOORS, INCLUDING PIPING COMPONENTS, INHIBITIVE PRIMER AND TWO COATS OF GLOSS ENAMEL OR ACRYLIC
FIRESTOPPING FOR PLUMBING PIPE PENETRATIONS THROUGH SMOKE CTURAL DRAWINGS FOR LOCATIONS OF ALL RATED ASSEMBLIES. ALL AL ASSEMBLY RATING AND FLOOR PENETRATIONS SEALED WATER

BREAKERS & ETC. AS REQUIRED TO PROVIDE POWER TO PLUMBING FLUSH VALVES, FAUCETS AND SHOWER ASSEMBLIES,

-V- - -SAN - -GW - -NG - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	DESCRIPTION VENT PIPING SANITARY PIPING GREASE WASTE PIPING	ADA AFF	ABBREVIATIONS AMERICAN WITH DISABILITIES ACT
—GW——— —NG——— — — — —	SANITARY PIPING		
—GW——— —NG——— — — — —		AFF	
—NG——— — — — — — — —	GREASE WASTE PIPING	BFP	ABOVE FINISHED FLOOR BACKFLOW PREVENTER
	NATURAL GAS PIPING	СО	CLEANOUT
	DOMESTIC COLD WATER PIPING	CW	DOMESTIC COLD WATER
	DOMESTIC HOT WATER PIPING	DS	DOWNSPOUT
	DOMESTIC HOT WATER RETURN PIPING	ET	EXPANSION TANK
	BALL VALVE	EX	EXISTING
	CHECK VALVE	FCO	FLOOR CLEANOUT
	BALANCING VALVE	FD	FLOOR DRAIN
- čijsoči	BACKFLOW PREVENTER	FSEC GMR	FOOD SERVICE EQUIPMENT CONTRACTOR GAS METER/REGULATOR
	HOT WATER RETURN RECIRCULATION PUMP	GMR	GAS SERVICE
]	PIPE CAP	GT	GREASE TRAP OR KITCHEN WASTE
0	PIPE UP	НВ	HOSE BIBB
`		HW	DOMESTIC HOT WATER
		HWR	DOMESTIC HOT WATER RETURN
	EXISTING PIPING TO BE DEMOLISHED	IND	INDIRECT WASTE
	FLOW ARROW	LV	LAVATORY
		MB	MOP BASIN
##>	KEYNOTE DESIGNATION	NG	NATURAL GAS
		NP	
<u> </u>	KITCHEN EQUIPMENT DESIGNATION	NTS OD	
-		OD	OVERFLOW STORM DRAIN OVERFLOW DOWNSPOUT
	DETAIL DESIGNATION	SAN	SANITARY
		SD	STORM DRAIN
		SK	SINK
		TP	TRAP PRIMER
		TYP.	TYPICAL
		UR	URINAL
		VR VS	VENT RISER
		VS	VENT STACK VENT THRU ROOF
		WC	WATER CLOSET
		WCO	WATER CLOSET
		WH	WATER HEATER
		WS	WATER SERVICE
		WTC	WATER COOLER
		N	1 Event Center & Site Rebid 2023- No. Revisions / Submissions Data







PLUMBING INDEX OF DRAWINGS				
SHEET NUMBER	SHEET NAME			
E.P001	PLUMBING LEGEND AND GENERAL NOTES			
E.P002	PLUMBING SCHEDULES & DETAILS			
E.P101	PLUMBING FLOOR PLANS - FIRST FLOOR			
E.P102	PLUMBING FLOOR PLANS - SECOND FLOOR			
E.P201	PLUMBING ISOMETRICS			

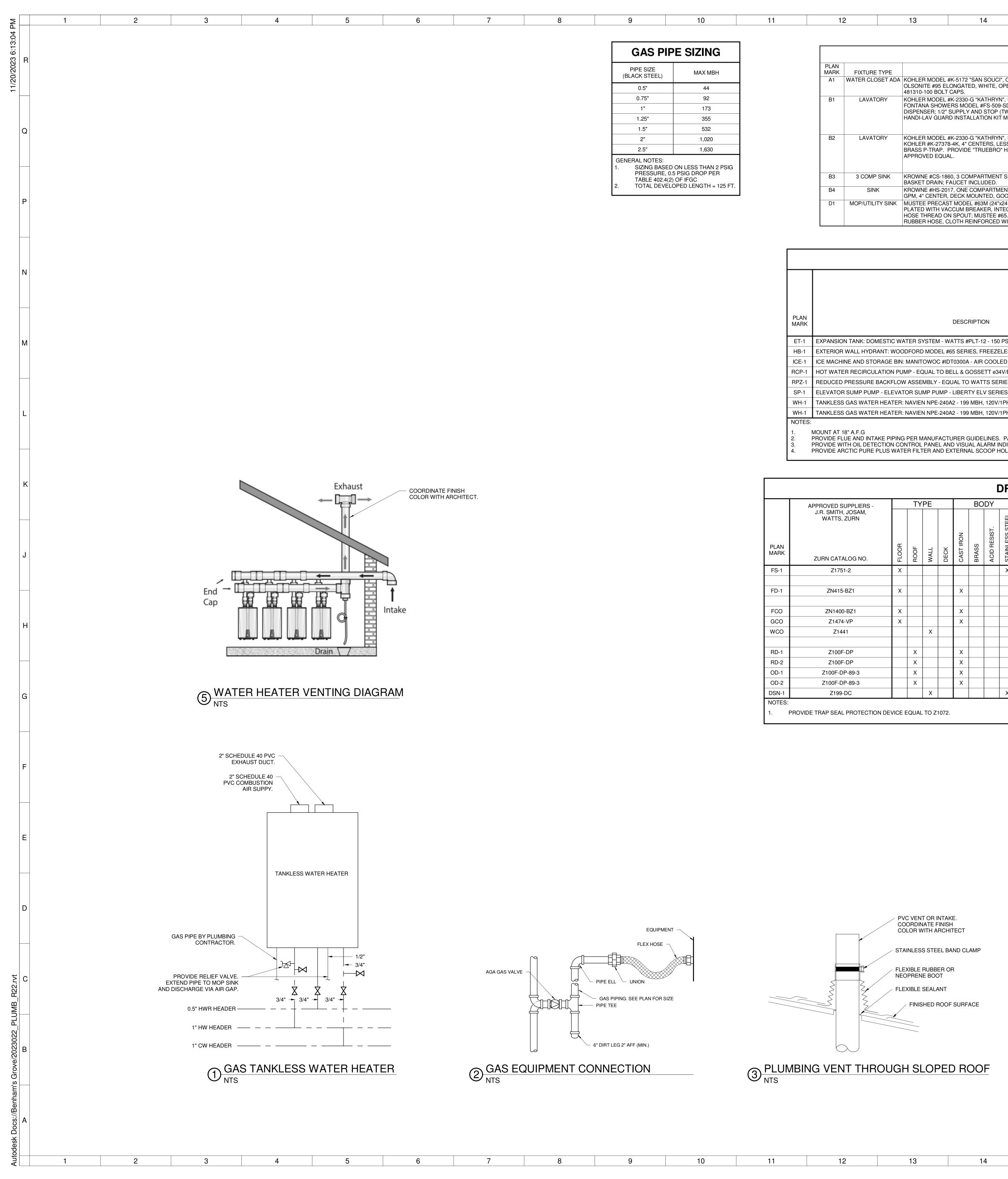
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Benham's Grove Event Center

166 N MAIN ST, CENTERVILLE, OH 45459

PLUMBING LEGEND AND GENERAL NOTES

Comm. No. Date 22627.00 2023-09-20 Drawn Drawing No. JDO | E.P001 Checked JLW © 2020 LWC, INCORPORATED

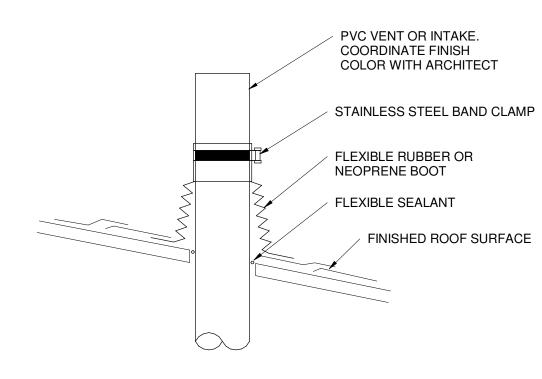


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		PLUMBING FIXTURE SCHEDU	LE				
PLAN MARK	FIXTURE TYPE	DESCRIPTION	SAN.	VENT	cw	нw	ACCESSORIES
A1		KOHLER MODEL #K-5172 "SAN SOUCI", ONE PIECE, ELONGATED, 1.6 GPF, WHITE VITREOUS CHINA; WITH OLSONITE #95 ELONGATED, WHITE, OPEN FRONT, NO COVER SEAT, WITH SELF SUSTAINING HINGE; 481310-100 BOLT CAPS.	3.0"	1.5"	0.50"		PROVIDE BRUSHED GOLD TRIP LEVER KOHLER #9171-L-2MB AND BRUSHED GOLD SUPPLY STOP.
B1	LAVATORY	KOHLER MODEL #K-2330-G "KATHRYN", UNDERMOUNT, RECTANGULAR, WHITE VITREOUS CHINA; FONTANA SHOWERS MODEL #FS-509-SD AUTOMATIC SENSOR OPERATED FAUCET AND SOAP DISPENSER; 1/2" SUPPLY AND STOP (TWO REQUIRED); 1-1/2" CAST BRASS P-TRAP. PROVIDE "TRUEBRO" HANDI-LAV GUARD INSTALLATION KIT MODEL #102 (WHITE) OR APPROVED EQUAL.	1.5"	1.5"	0.50"	0.5"	FINISH MATERIAL OF ALL EXPOSED PLUMBING HARDWARE INCLUDING FAUCETS, DRAINS, TRAPS, SUPPLY STOPS, ETC. TO BE BRUSHED GOLD. PROVIDE ASSE 1070 MIXING VALVE. SET DISCHARGE TEMPERATURE TO 110°F. COORDINATE ELECTRICAL REQUIREMENTS WITH EC.
B2	LAVATORY	KOHLER MODEL #K-2330-G "KATHRYN", UNDERMOUNT, RECTANGULAR, WHITE VITREOUS CHINA; KOHLER #K-27378-4K, 4" CENTERS, LESS DRAIN; 1/2" SUPPLY AND STOP (TWO REQUIRED); 1-1/2" CAST BRASS P-TRAP. PROVIDE "TRUEBRO" HANDI-LAV GUARD INSTALLATION KIT MODEL #102 (WHITE) OR APPROVED EQUAL.	1.5"	1.5"	0.50"	0.5"	FINISH MATERIAL OF ALL EXPOSED PLUMBING HARDWARE INCLUDING FAUCETS, DRAINS, TRAPS, SUPPLY STOPS, ETC. TO BE BRUSHED GOLD. PROVIDI ASSE 1070 MIXING VALVE. SET DISCHARGE TEMPERATURE TO 110°F. COORDINATE ELECTRICAL REQUIREMENTS WITH EC.
B3	3 COMP SINK	KROWNE #CS-1860, 3 COMPARTMENT SINK W/ 10' W x 14" L x 10" D, 20 GA STAINLESS STEEL, 3.5" BASKET DRAIN; FAUCET INCLUDED.	1.5"	1.5"	0.50"	0.5"	
B4	SINK	KROWNE #HS-2017, ONE COMPARTMENT DROP-IN SINK W/ 20.25" x 17" STAINLESS STEEL BOWL; 1.8 GPM, 4" CENTER, DECK MOUNTED, GOOSENECK FAUCET INCLUDED.	1.5"	1.5"	0.50"	0.5"	
D1	MOP/UTILITY SINK	MUSTEE PRECAST MODEL #63M (24"x24"x10");T&S BRASS FAUCET MODEL #B-0655-BSTR CHROME PLATED WITH VACCUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT; MUSTEE #65.600 HOSE BRACKET, 30" LONG FLEXIBLE, HEAVY DUTY 5/8" RUBBER HOSE, CLOTH REINFORCED WITH 3/4" BRASS COUPLING AT ONE END.	3.0"	1.5"	0.50"	0.5"	

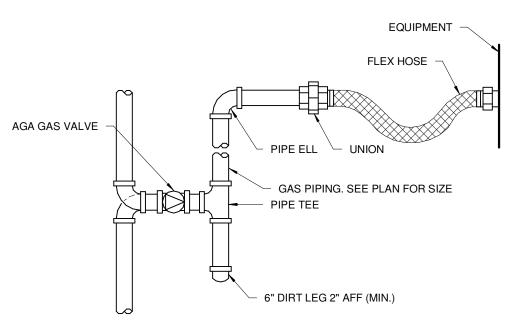
	PLUMBING EQUIPMENT SCHEDULE									
PLAN MARK	DESCRIPTION	COLD WATER	HOT WATER (120°F)	HOT WATER (140°F)	NATURAL GAS	NON POTABLE	WASTE	INDIRECT	FLOOR DRAIN	NOTES
ET-1	EXPANSION TANK: DOMESTIC WATER SYSTEM - WATTS #PLT-12 - 150 PSI RATING	0.75'								
HB-1	EXTERIOR WALL HYDRANT: WOODFORD MODEL #65 SERIES, FREEZELESS, AUTOMATIC DRAIN, VACUUM BREAKER, BRASS FINISH, AND STAINLESS STEEL TRIM.	0.75'								1
ICE-1	ICE MACHINE AND STORAGE BIN: MANITOWOC #IDT0300A - AIR COOLED, FULL DICE, 305 LBS OF ICE PER 24 HRS, 120V/1PH, 8.8 AMPS, 15 MOCP	0.5"								4
RCP-1	HOT WATER RECIRCULATION PUMP - EQUAL TO BELL & GOSSETT e34V/BTPRC			0.5"						
RPZ-1	REDUCED PRESSURE BACKFLOW ASSEMBLY - EQUAL TO WATTS SERIES 009	2"								
SP-1	ELEVATOR SUMP PUMP - ELEVATOR SUMP PUMP - LIBERTY ELV SERIES #ELV280-VS, 1/2 HP, 115V CORD & PLUG; 18" DIAMETER BASIN						2"			3
WH-1	TANKLESS GAS WATER HEATER: NAVIEN NPE-240A2 - 199 MBH, 120V/1PH, 2 AMP	0.75"		0.75"	0.75"					2
WH-1	TANKLESS GAS WATER HEATER: NAVIEN NPE-240A2 - 199 MBH, 120V/1PH, 2 AMP	0.75'		0.75"	0.75"					2
2. 3.	MOUNT AT 18" A.F.G PROVIDE FLUE AND INTAKE PIPING PER MANUFACTURER GUIDELINES. PAINT EXPOSED PIPING TO MATCH ROOF COLOR. PROVIDE WITH OIL DETECTION CONTROL PANEL AND VISUAL ALARM INDICATOR. PUMP SHALL BE DISABLED UPON DETECTION OF OIL AND SIGNAL ALARM LIGHT. PROVIDE ARCTIC PURE PLUS WATER FILTER AND EXTERNAL SCOOP HOLDER.									

	APPROVED SUPPLIERS -		TY	ΈE			BC	DY		0	UTLE	ΞT		ST	FRAIN	IER/	GRA	TE			TOP FINISH			Н		AD	DITIO	ONAL	. FEA	\TUF	RES		
PLAN MARK	J.R. SMITH, JOSAM, WATTS, ZURN ZURN CATALOG NO.	FLOOR	ROOF	WALL	DECK	CAST IRON	BRASS	ACID RESIST.	STAINLESS STEEL	SIZE	BOTTOM	SIDE	SIZE	ADJUSTABLE	FLAT	DOME	RECESSED	FUNNEL	HINGED	1/2 GRATE	NICKEL-BRONZE	CAST IRON	POLYETHYLENE	STAINLESS STEEL	ANCHOR FLANGE	FLASHING CLAMP	DBL. DRAINAGE	SED. BUCKET	AUX. STRAINER	GRAVELSTOP	U'DECK CLAMP	TRAP PRIMER	SEE NOTE
FS-1	Z1751-2	Х							X	3"	Х		12"X12"X8"							Х				Х									-
FD-1	ZN415-BZ1	Х				Х				3"	X		6"	Х							Х					Х	X	х					1
FCO	ZN1400-BZ1	Х				Х				4"	X		7-7/8"	Х							Х												
GCO	Z1474-VP	Х				Х				4"	X		-	Х								Х											
WCO	Z1441			X						2"		X	-	Х								Х											
RD-1	Z100F-DP		x			x				3"			12-5/6"			x							x		x	X	x			x	X		
RD-2	Z100F-DP		x			Х				2"			12-5/6"			Х							x		х	Х	X			х	x		
OD-1	Z100F-DP-89-3		х			Х				3"			12-5/6"			Х							х		Х	Х	Х			х	х		
OD-2	Z100F-DP-89-3		х			Х				2"			12-5/6"			Х							Х		Х	Х	Х			х	х		
DSN-1	Z199-DC			Х					X	3"			3-1/2"		Х									Х									



<u>PLUMBING VENT THROUGH SLOPED ROOF</u> NTS

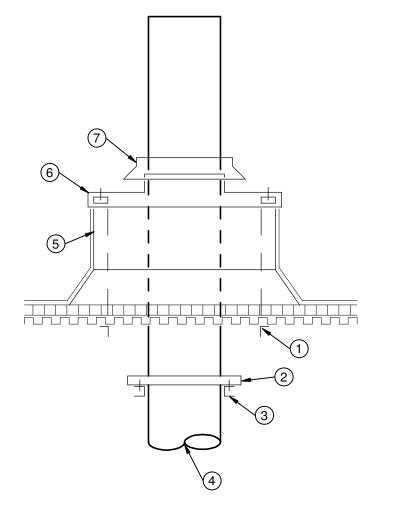
GAS PIPE SIZING											
PIPE SIZE (BLACK STEEL)	MAX MBH										
0.5"	44										
0.75" 92 1" 173											
										1.25"	355
1.5"	532										
2"	1,020										
2.5"	1,630										
GENERAL NOTES: 1. SIZING BASED ON LESS THAN 2 PSIG PRESSURE, 0.5 PSIG DROP PER TABLE 402.4(2) OF IFGC 2. TOTAL DEVELOPED LENGTH = 125 FT.											



O GAS EQUIPMENT CONNECTION NTS

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VENT DUCTS THRU ROOF

NOTES

STRUCTURAL FRAMING FOR OPENING. COORDINATE REQUIRED OPENING 1 DIMENSIONS.

2 SUPPORT RING. FASTEN TO DUCTWORK AND CHANNEL.

3 CHANNEL SUPPORT FROM ADJACENT JOISTS.

4 FROM EQUIPMENT.

- 5 14" HIGH CURB. EQUAL TO PATE PCA-5.
- 6 CURB CAP EQUAL TO PATE PCC.
- 7 STORM COLLAR FASTEN TO PIPE.



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PLUME



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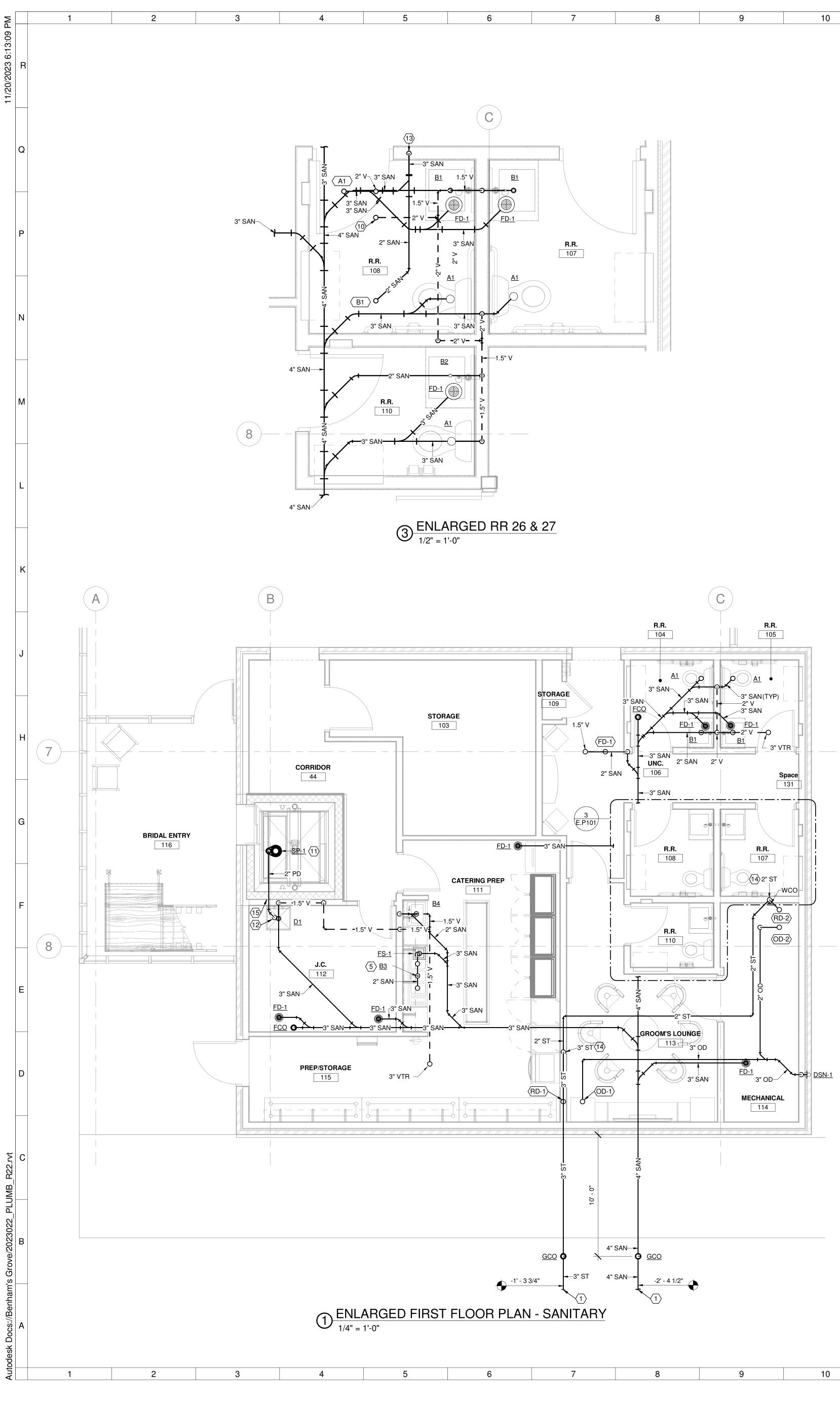
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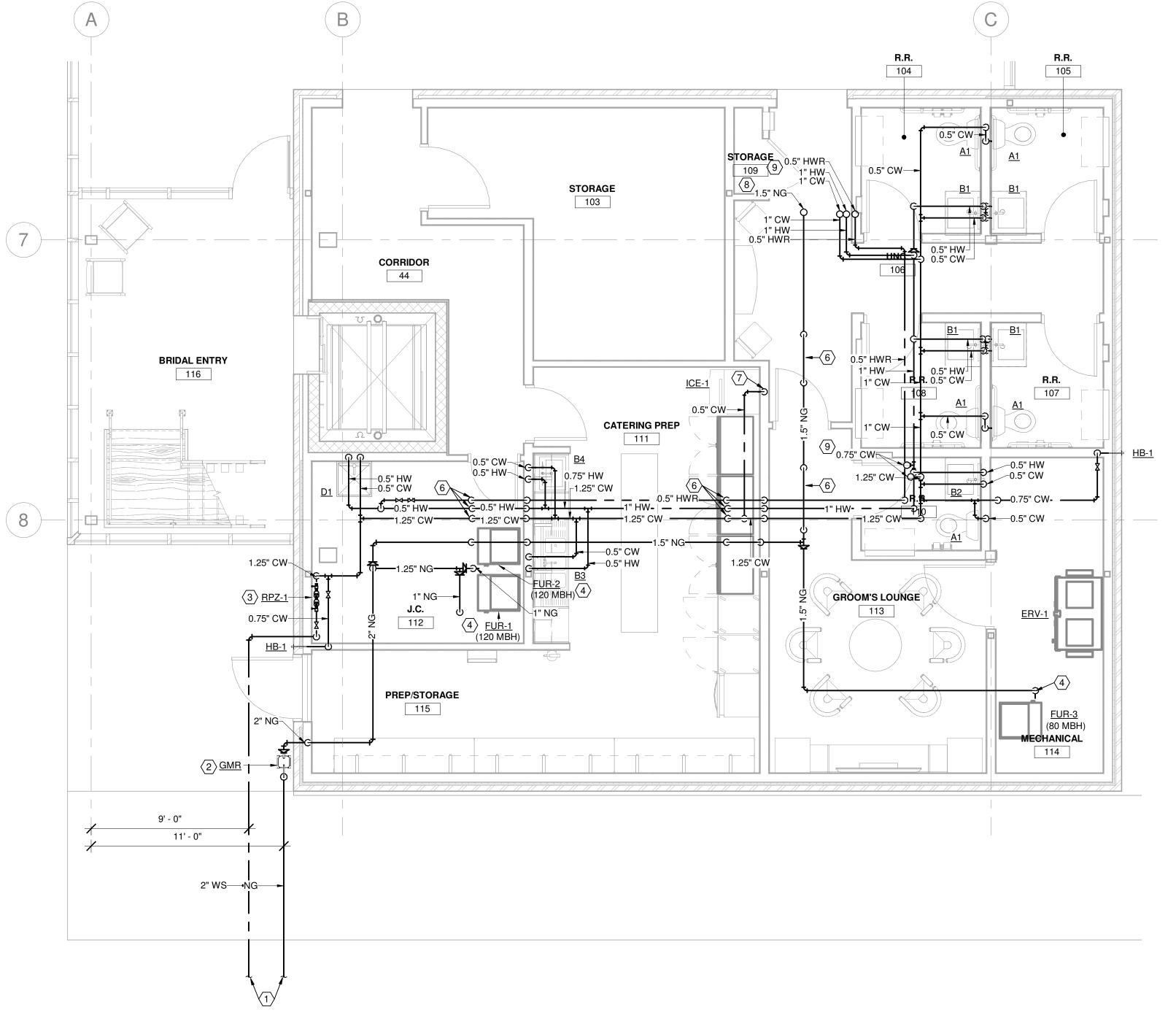
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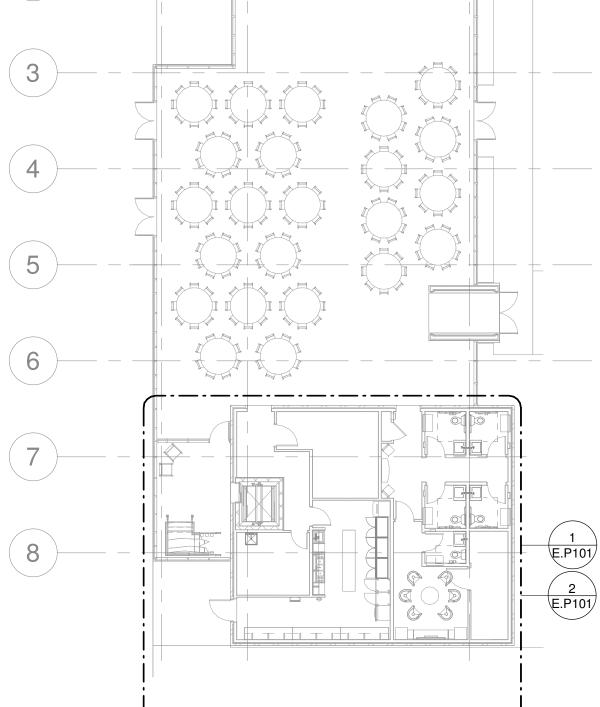
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nt Center & Site Rebid Revisio	ons / Submissions		2023-11-21 Date
INCORPC 434 East Fir	DRATED st Street Dayton, Ol ain Street Richmond,		
	Grove City of Co ENT BUILDIN		
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PLUMBING S	SCHEDULES &	z DETAII	.S
TE OF ON	Comm. No. 22627.00	Date	2023-09-20
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		C, INCORPORA	ATED





0 2" WS - NG 166 N MA	3" ST (14)				(2) <u>GM</u>		PREP/STORAGE					4 FUR-3 (80 MBH) MECHANICAL 114		EEEE LINC 434 H 712 H Benha
$ \begin{array}{c} $	10' - 0"	4" SAN		* *	11' - 0"	→NG →								Benhar 166 N MA
8 9 10 11 12 13 14 15 16 17 18 19 20	" ST 4" S	—					2 <u>El</u> 1/4	NLARGED FIRS 4" = 1'-0"	ST FLOOR PLA	<u>N - SUPPLY</u>				F. C. SEGISTERE
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	3 COMPARTI SINK VIA 4" A
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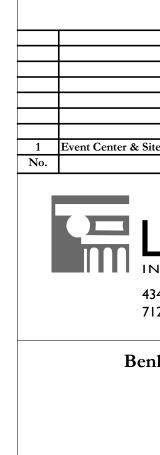
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> ISCHARGE TO INDIRECTLY DISCHARGE INTO MOP SINK λAΡ. 13. SANITARY PIPING FROM ABOVE CEILING DOWN TO BELOW SLAB. 14. STORM PIPING DOWN TO BELOW SLAB. 15. PROVIDE FIRE STOPPING AT WALL PENETRATION.





ΓNOTES:

CIVIL DRAWINGS FOR CONTINUATION.

IETER BY UTILITY COMPANY.

EDUCED PRESSURE BACKFLOW ASSEMBLY PER AHJ. DIRT LEG, GAS ISOLATION VALVE, UNION, AND FLEXIBLE INECTION TO MECHANICAL EQUIPMENT. REFER TO 2002 FOR ADDITIONAL INFORMATION. IMENT SINK SHALL INDIRECTLY DISCHARGE INTO FLOOR

AIR GAP. ATE PIPING WITH DUCTWORK. ROUTE PIPING UP IN FLOOR RE ABOVE WHERE NECESSARY.

.5" COLD WATER SUPPLY PIPING WITH SHUT-OFF VALVE IECTION TO ICE MACHINE.

GAS PIPING UP TO FLOOR ABOVE.

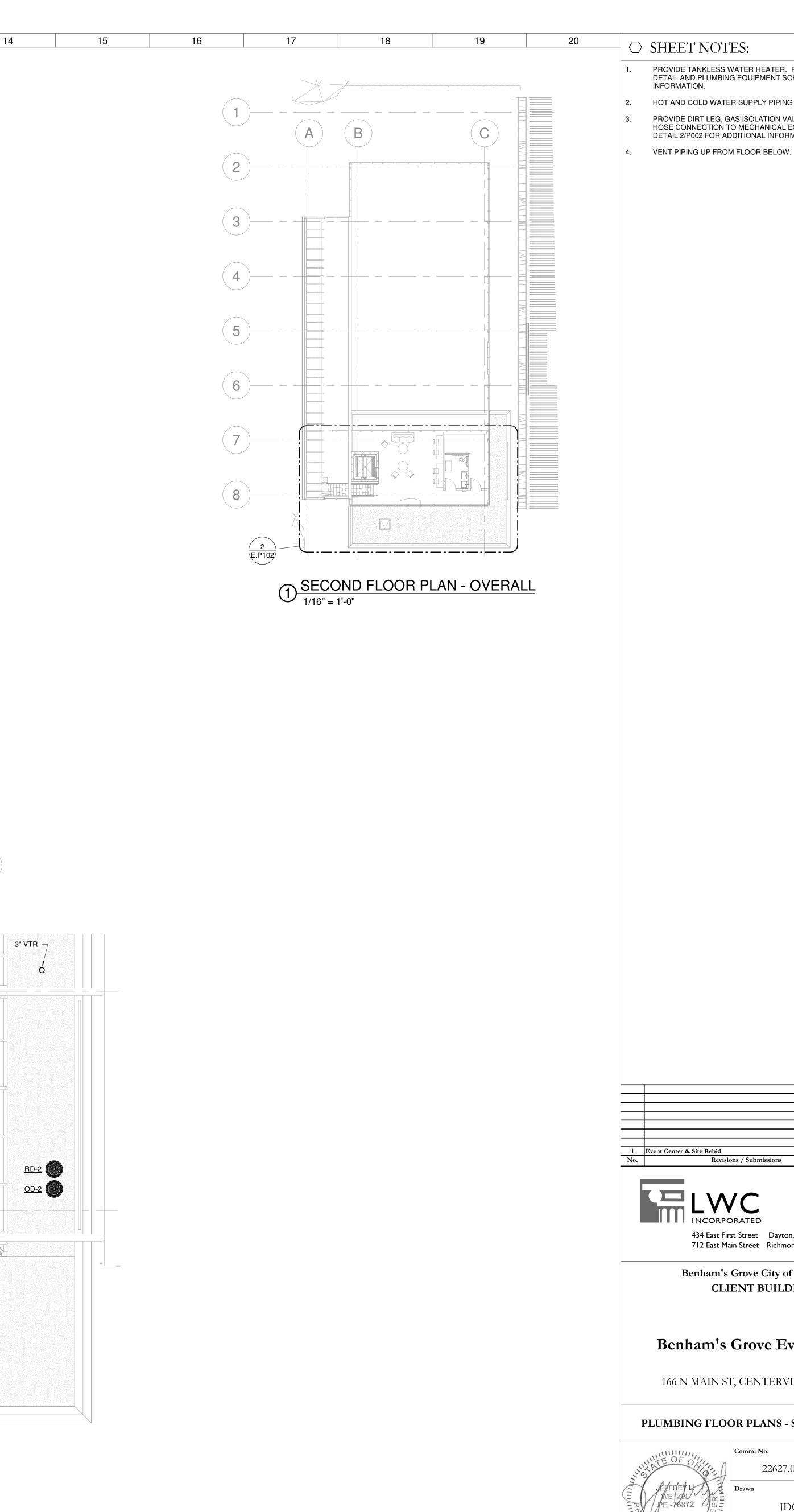
COLD WATER PIPING UP TO FLOOR ABOVE.

IG UP TO FLOOR ABOVE.

SUMP PUMP. FIELD COORDINATE EXACT LOCATION ROUGH-IN. REFER TO PLUMBING EQUIPMENT SCHEDULE IONAL INFORMATION.

Site Rebid			2023-11-21
Revisio	ons / Submissions		Date
CLI	Grove City of Ce ENT BUILDIN Grove Eve:	ſĠ	ter
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G					(7)						(438 MBH) 0.	.75" NG - (3) · · · · ·	(1) 99 MBH) <u>WH-2</u>	3" VTR -7
F										BRIDAL		3 T <u>FUR-4</u> (40 MBH)	MECHANICAL 203	
E										BRIDAL	1		0.5" CW 2" V -0.5" CW -0.5" CW -0.5" HW	<u>RD-2</u>
D					8									OD-2
JMB_R22.rvt O										o 3" VTR				
s Grove/2023022_PLU B											<u>RD</u> .	-1 💽 💽 <u>OD-1</u>		
desk Docs://Benham's								2	ENLARGE	D SECOND FLC	<u>OR PLAN</u>			
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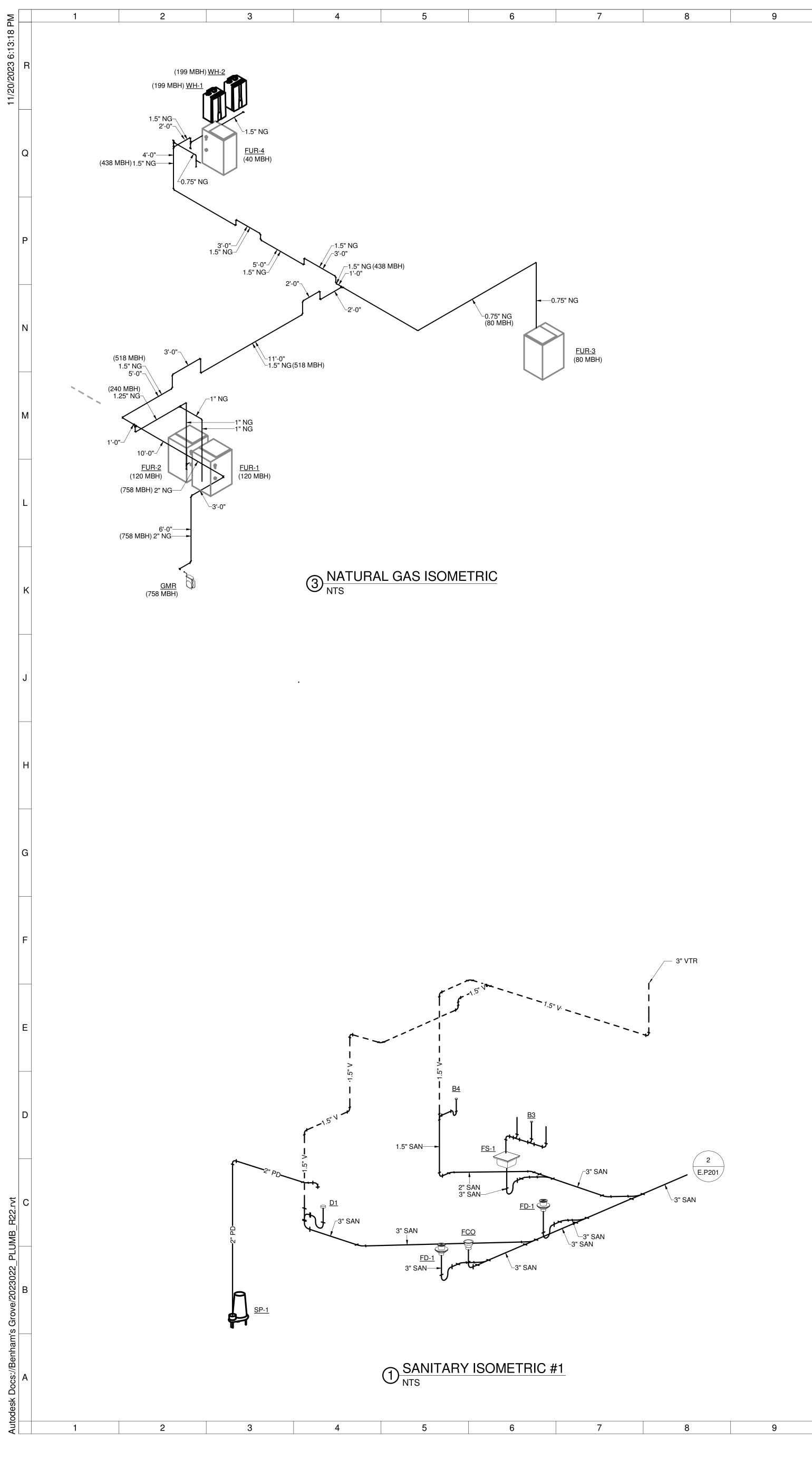


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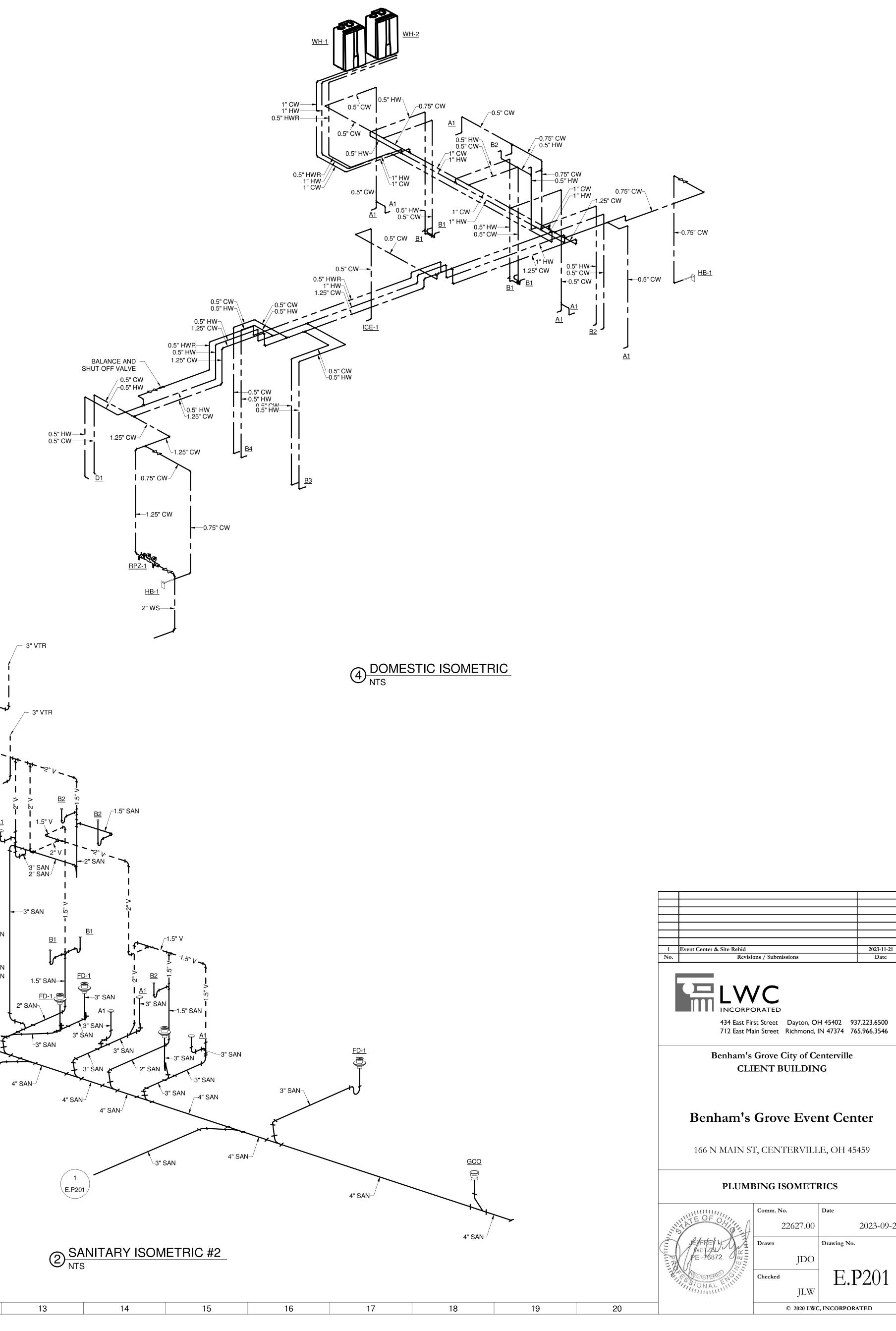
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am's Grove Event Center MAIN ST, CENTERVILLE, OH 45459					
G FLOOR PLANS - SECOND FLOOR					
MEER CONTRACTOR	Comm. No 2 Drawn		Date Drawing No.	2023-09-20	
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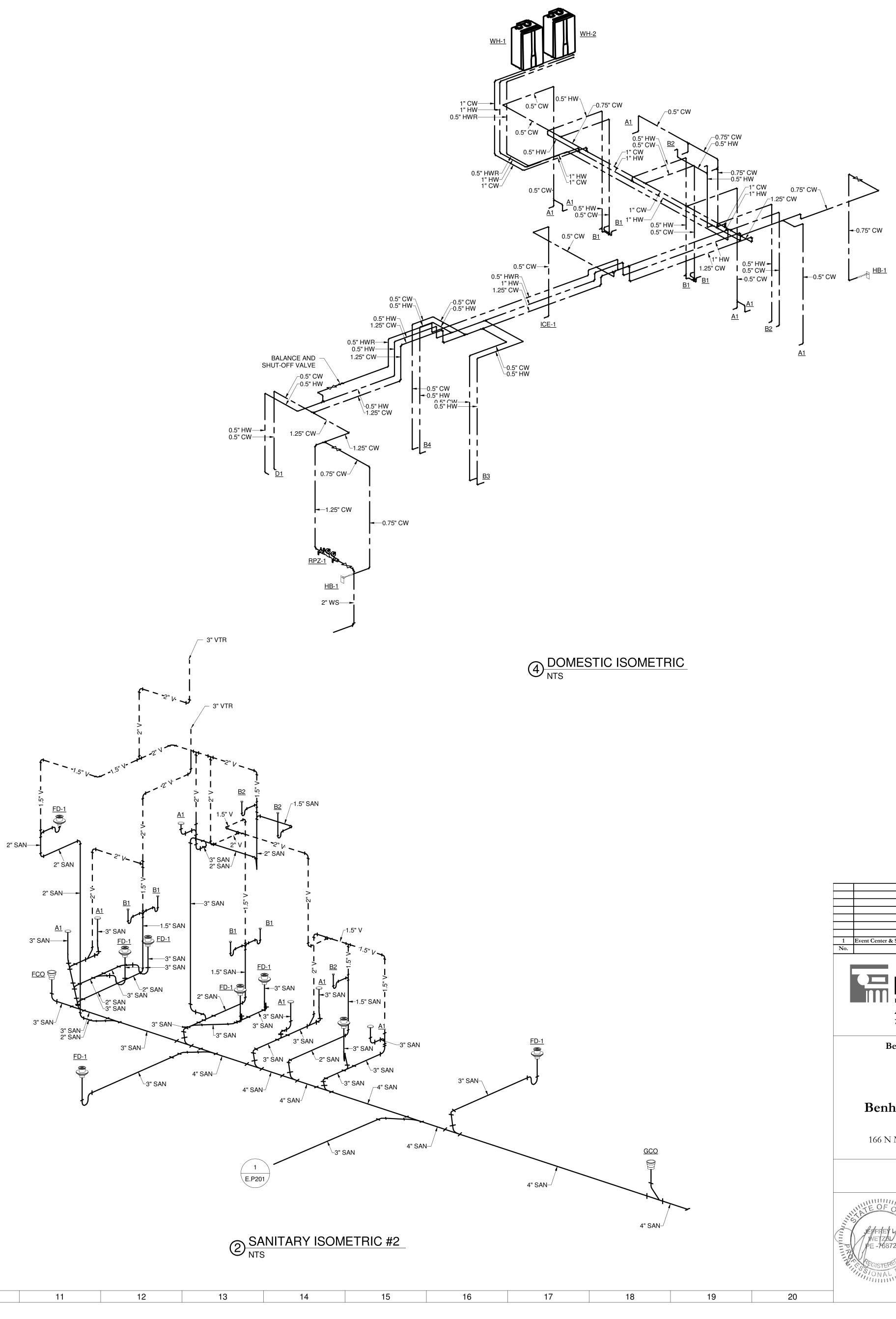
PROVIDE TANKLESS WATER HEATER. REFER TO WATER HEATER DETAIL AND PLUMBING EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.

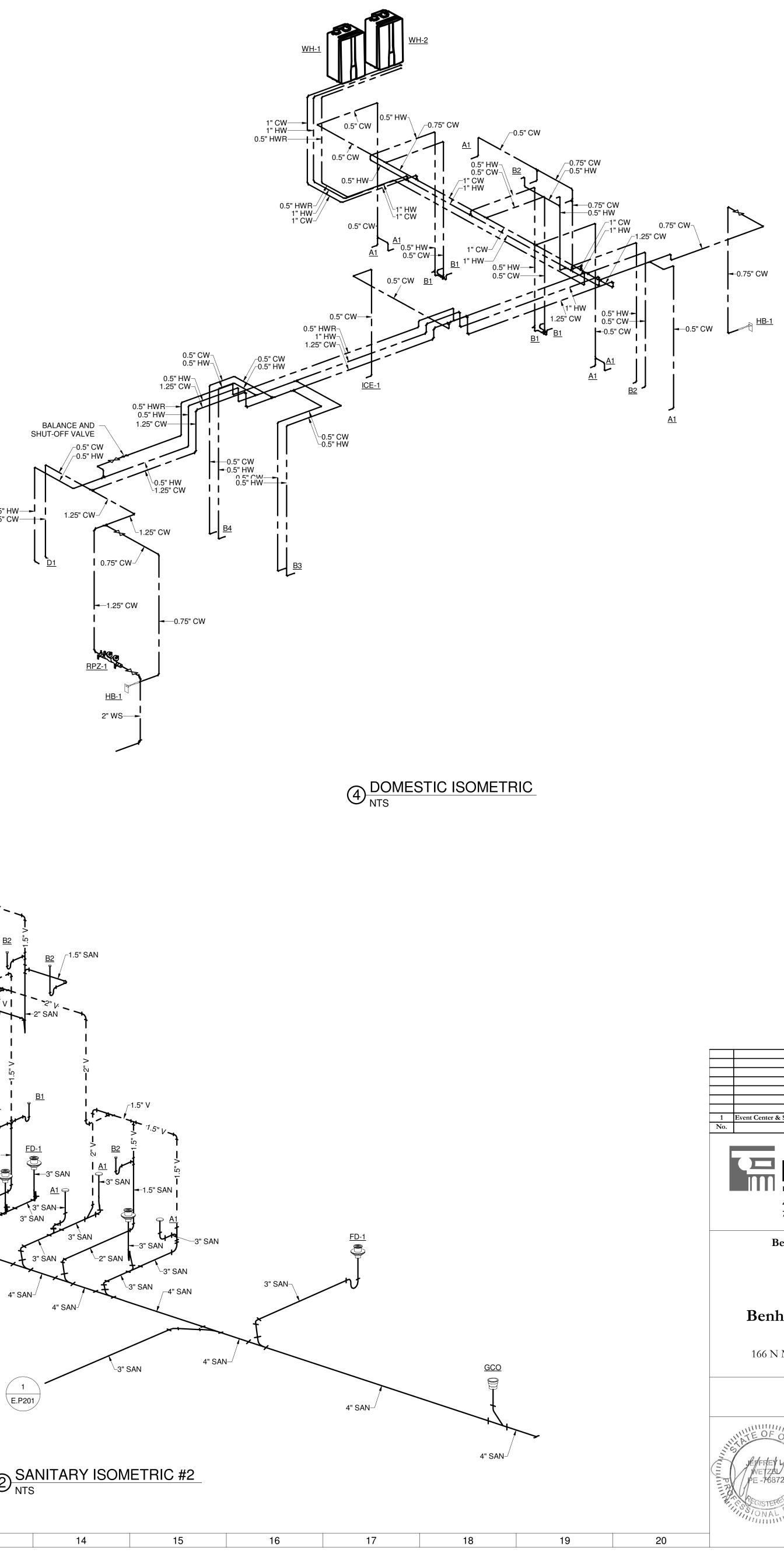
HOT AND COLD WATER SUPPLY PIPING UP FROM FLOOR BELOW. PROVIDE DIRT LEG, GAS ISOLATION VALVE, UNION, AND FLEXIBLE HOSE CONNECTION TO MECHANICAL EQUIPMENT. REFER TO DETAIL 2/P002 FOR ADDITIONAL INFORMATION.



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nham's Grove City of Centerville CLIENT BUILDING							
am's Grove Event Center							
IAIN ST, CENTERVILLE, OH 45459							
PLUMBING ISOMETRICS							
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1 Event Center & Site Rebid No. Revisions / Submissions 2023-11-21 Date



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INFORMATION.

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HVAC GENERAL SPECIFICATIONS

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G.

- UPON COMPLETION OF ALL HVAC WORK, THE CONTRACTOR SHALL SUBMIT (2) COPIES OF THE MANUFACTURER'S OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT TO THE OWNER. THE CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A COMPLETE SET OF RECORD DRAWINGS WITH ANY AND ALL CHANGES OR MODIFICATIONS TO THE DESIGN, CONSTRUCTION, SYSTEMS, OR EQUIPMENT CLEARLY INDICATED; SHOP DRAWINGS; INFORMATION ON THE THERMOSTATS, CONTROL WIRING DIAGRAMS, AND OTHER PERTINENT
- **HVAC EQUIPMENT:** ALL EQUIPMENT SHALL BE COMPLETE IN EVERY RESPECT WITH ALL DEVICES, APPURTENANCES, AND ACCESSORIES PROVIDED TO MEET THE DESIGN INTENT AND OPERATION OF THE SYSTEMS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN. EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL AIR CONDITIONING EQUIPMENT MUST HAVE A CONDENSATE DRAIN AND BE TRAPPED IN ACCORDANCE WITH MANUFACTURER'S DATA. ALL COMPRESSORS ARE TO INCLUDE A 5-YEAR EXTENDED WARRANTY.
- GAS PIPING (IF INCLUDED IN THE PROJECT): CONTRACTOR TO COORDINATE (INCLUDING VERIFICATION OF EXISTING SYSTEM EQUIPMENT, MAINS, LINE SIZES, AND REQUIREMENTS) AND SIZE GAS PIPING PER MANUFACTURER'S RECOMMENDATIONS, LOCAL CODE, AND UTILITY COMPANY REQUIREMENTS. UNLESS PROVIDED OTHERWISE IN THE CONSTRUCTION DOCUMENTS -ARCHITECT/ENGINEER TO REVIEW AND APPROVE GAS PIPING SIZING PRIOR TO NSTALLATION. GAS PIPING TO BE INSTALLED PER NFPA 54. REFER TO PLUMBING GENERAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- **REFRIGERANT LINE SET:** HVAC CONTRACTOR TO SIZE REFRIGERANT LINE SET SIZES PER MANUFACTURER'S RECOMMENDATIONS AND FIELD CONDITIONS -ARCHITECT/ENGINEER TO REVIEW AND APPROVE LINE SET SIZES PRIOR TO **INSTALLATION.** LINES EXCEEDING 150 FEET IN LENGTH REQUIRE A PUMP (SIZED AND PROVIDED BY THE HVAC CONTRACTOR).
- **NOISE AND VIBRATION:** MECHANICAL AND ELECTRICAL EQUIPMENT IS TO OPERATE WITHOUT OBJECTIONABLE NOISE OR VIBRATION. ALL MOTOR OPERATED OR ROTATING EQUIPMENT IS TO BE VIBRATION ISOLATED OR FREE FROM ALL BEAMS, COLUMNS, FLOORS, CEILINGS, JOISTS, WALLS, AND OTHER PARTS OF THE BUILDING STRUCTURE. HANGER RODS FOR ALL PIPING, EQUIPMENT, AND DUCTWORK CONNECTED TO MOTOR OPERATED OR ROTATING EQUIPMENT IS TO BE PROVIDED WITH KINETICS OR APPROVED EQUAL FIBERGLASS ISOLATOR HANGERS. PROVIDE FLEXIBLE COLLARS IN ALL CONNECTIONS BETWEEN VIBRATING EQUIPMENT (FANS, ROOFTOP UNITS, ETC.) AND DUCTS. THE FLEXIBLE CONNECTION IS TO BE RATED FOR THE OPERATING PRESSURE OF THE SYSTEM.
- CURBS AND STEEL FRAMING FOR SUPPORT: PROVIDE ALL NECESSARY CURBS ID STEEL FRAMING REQUIRED TO INSTALL ALL HVAC EQUIPMENT AS DESCRIBED OR IMPLIED ON THE DRAWINGS. CURBS SHALL BE OF THE SAME MANUFACTURER OF THE EQUIPMENT SUPPORTED. INSULATE UNDER THE COMPRESSOR SECTION TO PREVENT CONDENSATION. ALL CURBS MUST BE INSTALLED SO THAT TOP OF CURBS ARE LEVEL.
- **DUCTWORK:** DUCTWORK IS TO BE FABRICATED WITH GALVANIZED SHEET STEEL (NO FIBERGLASS ALLOWED) IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE" AND NAIMA "FIBROUS GLASS DUCT CONSTRUCTION STANDARDS," LATEST EDITIONS; CONFORMING TO THE REQUIREMENTS IN THE REFERENCED STANDARD FOR METAL THICKNESS, REINFORCING TYPES AND INTERVALS, TIE ROD APPLICATIONS, AND JOINT TYPES AND INTERVALS, ALL JOINTS, SEAMS, AND CONNECTIONS MUST BE SECURELY FASTENED AND SEALED AIRTIGHT IN COMPLIANCE WITH THE INTERNATIONAL ENERGY CONSERVATION CODE AND OHIO MECHANICAL CODE.
- BRANCH DUCTWORK: ALL DUCT BRANCHES TO DIFFUSERS ARE TO BE RECTANGULAR OR ROUND RIGID DUCT. ALL BRANCH TAKEOFFS FROM RECTANGULAR MAINS TO BE CONNECTED TO SPIN COLLARS WITH SCOOPS AND QUADRANT DAMPERS.
- FLEXIBLE DUCTWORK: FLEX DUCTWORK IS TO BE NFPA 90 AND 90A APPROVED INDICATING NO VINYL, TESTED IN ACCORDANCE WITH UL 181, AND LISTED AND LABELED AS CLASS 0 OR CLASS 1 DUCT. NO FLEX DUCT RUN TO EXCEED 8'-0" MAXIMUM TOTAL LENGTH AT ANY ONE LOCATION. ALL FLEX CONNECTIONS TO BE TAPED AND STRAPPED PER MANUFACTURER'S INSTRUCTIONS. FLEXIBLE AIR DUCT MAY ONLY BE USED IN VERTICAL APPLICATIONS WITH PRIOR APPROVAL FROM THE ARCHITECT. FLEXIBLE DUCTWORK IS NOT PERMITTED TO BE USED FOR RETURN DUCTWORK.
- DUCTWORK INSULATION: INSTALL INSULATION PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES. INSULATION MUST COMPLY WITH NFPA 90A. DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. INSULATE DUCTWORK PER THE DUCT CONSTRUCTION SCHEDULE. PROVIDE DUCTWORK INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, AND SIMILAR PENETRATIONS. ALL INSULATION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NO HIGHER THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM C411, OR AS REQUIRED BY LOCAL CODES.
- WHERE ROUND DUCTWORK IS INDICATED ON PLANS, PROVIDE RECTANGULAR Κ. DUCTWORK, IF ROUND DUCTWORK CANNOT BE INSTALLED BECAUSE OF OBSTRUCTIONS, INSUFFICIENT CLEARANCES OR OTHER CAUSES DUE TO FIELD CONDITIONS. CONTRACTOR'S OPTION TO INSTALL RECTANGULAR DUCTWORK IN LIEU OF INDICATED ROUND DUCTWORK AT OTHER LOCATIONS. SIZE ALL RECTANGULAR DUCTWORK CONVERSIONS COMPARABLE TO INDICATED DUCTWORK SIZE PER SMACNA "HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE," LATEST EDITION. SHOULD THE CONTRACTOR BE IN DOUBT OF THE REQUIREMENTS UNDER THIS SECTION, DUCTWORK SIZING, OR SHOULD ANY DISCREPANCY BE REVEALED BASED ON FIELD CONDITIONS. IMMEDIATELY CONTACT THE ARCHITECT FOR CLARIFICATION.
- PROVIDE A FLEXIBLE CONNECTION BETWEEN BONNET AND RIGID DUCT ON ALL SUPPLY AND RETURN DUCTWORK.

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- DIFFUSERS, GRILLES, REGISTERS, AND DAMPERS: PROVIDE DIFFUSERS, Μ. GRILLES, AND REGISTERS AS SCHEDULED. DEVICES TO BE COMPLETE WITH BALANCING DAMPERS. FRAMES, AND ALL ACCESSORIES, FINISH AS INDICATED. PROVIDE UL LISTED (UL555) FIRE RATED DAMPERS AT ALL FIRE PARTITION OR FIRE BARRIER PENETRATIONS, WHETHER SHOWN OR NOT SHOWN ON THE PLANS. ALL GRAVITY DAMPERS REQUIRE SEALS.
- SUPPORT AND BRACING: INSTALL RIGID ROUND AND RECTANGULAR METAL N. DUCTWORK WITH APPROVED SUPPORT SYSTEMS INDICATED IN SMACNA STANDARDS AND STATE BUILDING CODE. SUPPORT HORIZONTAL DUCTS AT A MAXIMUM INTERVAL OF 10 FEET AND WITHIN 2 FEET OF EACH ELBOW AND WITHIN 4 FEET OF EACH BRANCH INTERSECTION USING DOUBLE STRAP HANGERS ON EACH SIDE OF FITTING. SUPPORT VERTICAL DUCTS AT A MAXIMUM INTERVAL OF 10 FEET AND AT EACH FLOOR, FLEXIBLE AND OTHER FACTORY MADE DUCTS SHALL BE SUPPORTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. NO WOOD SHALL BE USED TO SUPPORT OR BRACE DUCTS. PROVIDE SWAY AND SEISMIC BRACING AS REQUIRED BY STATE AND LOCAL CODES. PROVIDE FIXED ANCHORS AT EACH MECHANICAL DIFFUSER OR GRILLE TO CEILING GRID. CEILING GRID CONTRACTOR TO PROVIDE SUPPORT WIRES AT OPPOSITE CORNERS OF LIGHT FIXTURES, MECHANICAL DIFFUSERS, AND GRILLES TO STRUCTURE ABOVE.

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HVAC **GENERAL SPECIFICATIONS**

- **CONTROLS:** EACH UNIT TO BE CONTROLLED BY THERMOSTAT WITH PROPER STAGES OF HEATING AND COOLING - MOUNTED AT 54" AFF (REFER TO MECHANICAL SHEETS FOR MODEL NO. AND LOCATION). CONTROL WIRING IS TO BE FURNISHED AND INSTALLED BY THE HVAC CONTRACTOR. POWER WIRING IS TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- **POWER AND CONTROL WIRING:** ELECTRICAL CONTRACTOR TO PROVIDE ALL CESSARY POWER WIRING FOR HVAC EQUIPMENT FROM SUITABLE FUSED DISCONNECT SOURCE TO UNIT WITH FUSED DISCONNECT TO MEET NATIONAL ELECTRIC CODE (NEC), STATE AND LOCAL CODES. HVAC CONTRACTOR TO PROVIDE 24 VOLT OR LESS CONTROL WIRING.
- STARTUP: HVAC CONTRACTOR TO PROVIDE STARTUP PER MANUFACTURER'S VRITTEN RECOMMENDATIONS.
- AIRFLOW AND TESTING: ALL DUCT AS PER SMACNA GUIDELINES. THE SYSTEM TO BE BALANCED AND TESTED BY AN INDEPENDENT, "NEBB" CERTIFIED, BALANCING CONTRACTOR PER "NEBB"
- PROCEDURES. THE HVAC CONTRACTOR SHALL INCLUDE THE COST OF THE S. BALANCING AND TESTING IN HIS BID. THE BALANCING CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TRANSPORTATION, AND EQUIPMENT NECESSARY TO COMPLETELY BALANCE THE AIR FLOW FOR THE HVAC SYSTEMS AS SHOWN ON THE DRAWINGS. HVAC CONTRACTOR SHALL INSTALL NEW FILTERS IN ALL UNITS PRIOR TO THE AIR BALANCE. THE COMPLETE AIR BALANCE SHALL TAKE PLACE WITH OUTSIDE AIR DAMPERS IN MINIMUM POSITION. BALANCE THE SYSTEM TO WITHIN +-5 PERCENT OF THE DESIGN REQUIREMENTS. THE HVAC CONTRACTOR AT NO ADDITIONAL COST SHALL PERFORM ANY REQUIRED CHANGES REQUIRED TO ACHIEVE SPECIFIED FLOW RATES. ALL CONTROL SEQUENCES SHALL BE TESTED (INTERLOCKED EQUIPMENT, SMOKE DETECTORS, SMOKE EVACUATION, ECONOMIZER, CO2 SENSORS, ETC.) AND OPERATING STATUS RECORDED IN THE REPORT. A DIGITAL OR THREE (3) PRINTED COPIES OF THE BALANCE AND TESTING REPORT SHALL BE PROVIDED TO THE OWNER. OWNER'S REPRESENTATIVE. OR ARCHITECT BEFORE PROJECT CLOSE OUT FOR REVIEW. THE BALANCING CONTRACTOR SHALL RECHECK ANY ITEMS THAT THE OWNER OR ARCHITECT DEEMS REASONABLY NECESSARY AT
- NO ADDITIONAL COST TO THE OWNER. VENTILATION AND COMBUSTION AIR INTAKE: PROVIDE OUTSIDE VENTILATION AIR BY NATURAL VENTILATION OR MECHANICAL EQUIPMENT AS REQUIRED BY THE MECHANICAL CODE (REFER TO OUTSIDE AIR VENTILATION SCHEDULE). IF GAS-FIRED EQUIPMENT IS USED. VERIFY THAT THE MECHANICAL ROOM AND / OR MECHANICAL EQUIPMENT ARE PROVIDED WITH ADEQUATE COMBUSTION AND DILUTION AIR IN COMPLIANCE WITH THE MECHANICAL CODE, PROVIDE ADDITIONAL AIR AS REQUIRED. PROVIDE A VENT DESIGNED FOR THE TYPE OF APPLIANCE BEING VENTED FOR ALL GAS-FIRED EQUIPMENT TO THE EXTERIOR. PROVIDE VENTS DIRECTLY TO THE EXTERIOR FOR ALL EXHAUST FANS. ALL EXHAUST AND INTAKE OPENINGS MUST BE LOCATED A MINIMUM OF 10 FEET
- FROM LIT LINES OR BUILDINGS ON THE SAME LOT. PROVIDE A SMOKE DETECTOR IN RETURN AIR SYSTEMS WITH A DESIGN CAPACITY GREATER THAN 2,000 CFM IN THE RETURN AIR DUCT OR PLENUM UPSTREAM OF ANY FILTERS, EXHAUST AIR CONNECTIONS, OUTDOOR AIR CONNECTIONS, OR DECONTAMINATION EQUIPMENT AND APPLIANCES (PER OMC SECTION 606.2.1). WHERE TWO OR MORE UNITS SHARE THE SAME RETURN, THE COMBINED AMOUNT OF CFM SHALL BE USED IN DETERMINING WHETHER A DUCT SMOKE DETECTOR IS REQUIRED. COORDINATE THESE REQUIREMENTS BETWEEN THE HVAC AND THE ELECTRICAL OR FIRE ALARM CONTRACTORS.
- PROVIDE ACCESS TO ALL DAMPERS, CONTROLS, AND OTHER ITEMS IN DUCTWORK THAT REQUIRE SERVICE OR INSPECTION. IF THE ACCESS PANEL LOCATION IS EXPOSED, THE OWNER OR THE ARCHITECT MUST APPROVE IT PRIOR TO INSTALLATION. ACCESS PANELS ARE NOT REQUIRED ABOVE LAY-IN GRID TYPE CEILINGS.
- ALL HVAC EVAPORATORS AND COOLING COILS REQUIRE A CONDENSATE DRAIN. W. WHICH IS CONVEYED TO AN APPROPRIATE PLACE OF DISPOSAL (TYPICALLY INDIRECTLY INTO A FLOOR DRAIN). A SECONDARY DRAIN OR AUXILIARY DRAIN PAN IWITH A SEPARATE DRAIN OR A WATER LEVEL DETECTION DEVICE CONFORMING TO UL 508 THAT WILL SHUT OFF THE EQUIPMENT SERVED PRIOR TO OVERFLOW OF THE AUXILIARY DRAIN PANI IS REQUIRED FOR ANY EQUIPMENT THAT PRODUCES CONDENSATE AND WHERE DAMAGE MAY OCCUR AS A RESULT OF OVERFLOW FROM THE EQUIPMENT DRAIN PAN OR STOPPAGE IN THE CONDENSATE DRAIN (PER OMC SECTION 307.2.3). COORDINATE THESE REQUIREMENTS BETWEEN THE HVAC AND PLUMBING CONTRACTORS AND THE ARCHITECT.
- ALL ROOF AND/OR EXTERIOR WALL PENETRATIONS ARE TO BE SEALED AIR AND WATER TIGHT, COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS. ALL EQUIPMENT, PIPES, DUCTS, ETC. ARE TO BE INSTALLED CONCEALED ABOVE THE CEILING UNLESS SHOWN OTHERWISE. VERIFY ALL SUSPENDED MECHANICAL LOADS WITH ARCHITECT PRIOR TO
- ORDERING NEW MECHANICAL EQUIPMENT. HVAC CONTRACTOR TO COORDINATE ROUTING AND LOCATION OF ALL DEVICES
- HVAC CONTRACTOR TO REVIEW DRAWINGS FOR COMPLIANCE WITH LOCAL AA. CODES AND WITH AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT. CONTACT ARCHITECT WITH ANY QUESTIONS OR CONCERNS.

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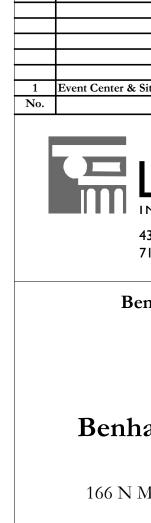
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WITH BUILDING STRUCTURE AND OTHER CEILING MOUNTED DEVICES.

DUCTWORK SY	MBOL I	_EGEND
SUPPLY OR OUTSIDE AIR DUCT UP		RADIUS RECTANGULAR ELBOW
RETURN OR EXHAUST AIR DUCT UP		SUPPLY OR OUTSIDE AIR ROUND DUCT UP
SUPPLY OR OUTSIDE AIR DUCT DOWN		RETURN OR EXHAUST AIR ROUND DUCT UP
RETURN OR EXHAUST AIR DUCT DOWN		ROUND DUCT DOWN
SUPPLY OR OUTSIDE AIR DUCT OFFSET		ROUND OFFSET
RETURN AIR DUCT OFFSET	T I	ROUND ELBOW
		ROUND WYE
		RECTANGULAR BRANCH TAKEOFF
		RECTANGULAR DUCT TERMINATION
RECTANGULAR TO ROUND TRANSITION		ROUND DUCT TERMINATION
RECTANGULAR TRANSITION		
STANDARD RECTANGULAR ELBOW		
ANNOTATION S	YMBOL	LEGEND
 THERMOSTAT OR TEMP. SENSOR HUMIDISTAT SWITCH 	4 H-100	SECTION SYMBOL
(10) KEYED NOTE SYMBOL CONNECT TO EXISTING	RTU 12	EQUIPMENT PLAN MARK
1-01 VAV TERMINAL UNIT MARK AHU-1 EQUIPMENT MARK A-8"ø A-24x12 AIR DEVICE MARK - NECK SIZE	4 H-100	DETAIL SYMBOL
250 250 AIRFLOW		
8"ø ROUND DUCT SIZE 24x12 RECTANGULAR DUCT SIZE		
AIR DEVICE AND DUC	CT ACC	ESS. LEGEND
RETURN AIR GRILLE		SUPPLY AIR DIFFUSER (HARD CONNECTION)
SUPPLY AIR DIFFUSER WITH FLEXIBLE		RETURN OR EXH. GRILLE (HARD CONNECTION)
SIDEWALL DIFFUSER		14X14 TRANSFER OPENING IN WALL
SUPPLY AIR DIFFUSER (HARD CONNECTION)		TRANSFER OPENING IN WALL
RETURN OR EXH. GRILLE (HARD CONNECTION)		
PIPE SYMBOL LEGEND		
→ Ž → TEE DOWN		
کے لیے کے کر TEE UP		
→ PIPE BREAK (FOR CLARITY)		
E→ CAPPED PIPE		
RS REFRIGERANT SUCTION PIPE		
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HVAC L



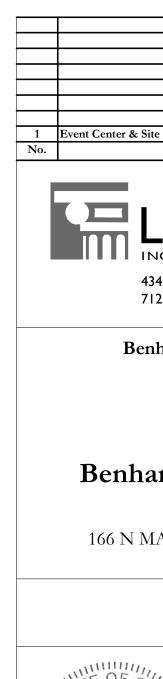
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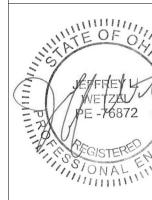
н	HVAC INDEX OF DRAWINGS				
SHEET NUMBER	SHEET NAME				
E.M001	HVAC LEGEND AND GENERAL NOTES				
E.M002	HVAC SCHEDULES				
E.M003	HVAC DETAILS				
E.M100	HVAC BELOW SLAB PLAN				
E.M101	HVAC FLOOR PLANS				

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ASA East First Street V12 East Main Street Dayton, OH 45402 Richmond, IN 47374 937.223.6500 765.966.3546						
nham's Grove City of Centerville CLIENT BUILDING am's Grove Event Center						
MAIN ST, CENTERVILLE, OH 45459						
LEGEND AND GENERAL NOTES						
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VENTILATION SCHEDULE ROM NUMBER ROM NAME OCCUPANCY TYPE AREA (SF) PEOPLE AIR PATE AREA AIR RATE NUMBER MUMBER NUMBER NUMBER AREA (SF) PEOPLE AIR PATE AREA AIR RATE NUMBER NUMBER NUMBER AREA (SF) PEOPLE (PM/NERSON) NUMBER NUMBER NUMBER NUMBER AREA (SF) PEOPLE (PM/NERSON) NUMBER NUMBER AREA AIR OF NUMER AREA AIR OF NUMBER AREA AIR OF NUMBER AREA AIR OF NUMER AREA AIR NUMER	FURNACE SCHEDULE PLAN MARK MARK CFM VIII ESP HEATING NOM. OCAPACITY DIMENSION ELECTRICAL NOTES FUR-1 CARRIER MODEL CFM VIII ESP MBH OMM COUL OMM OLIMENSION ELECTRICAL NOTES FUR-1 CARRIER 59SC2D 1,950 510 0.60° 120 111 5 24.5° 29° 34° 1201 12.0 20 1,23,4,5.6 FUR-3 CARRIER 59SC2D 1,950 510 0.60° 120 111 5 24.5° 29° 34° 1201 12.0 20 1,2,3,4,5.6 FUR-3 CARRIER 59SC2D 1,600 110 0.50° 40 37 2 14.5° 29° 34° 1201 12.3,4,5.6 FUR-4 CARRIER 59SC2D 1,600 110 0.50° 40 37 2 14.5° 29° 34° 1201 18.3 1,2,3,4,5 GENERAL NOTES: REFRIGERANT PIPING TO BE SIZED BY MAUFACTURER BY RHE
DUCT WORK CONSTRUCTION SCHEDULE DUCT SYSTEM PRESS. CLASS LINER INSULATION NOTES	AIR COOLED CONDENSING UNIT SCHEDULE PLAN ASSOCIATED BASIS OF DESIGN NOM. AMB. MIN. ELECTRICAL NOTES MARK INDOOR UNIT MEB MODEL NOM. TEMP (%E) REFRIG. ELECTRICAL NOTES
EXPOSED SUPPLY AND RETURNRND-/+1"GS1"FFLSUPPLY AIR DEVICE RUNOUTRND+1"IFD1.5"IFDSUPPLY AIR DEVICE RUNOUTRND/RECT1"GS1.5"IFDCONCEALLED SUPPLY & RETURNRND/RECT-/+1"GS1.5"FGW-FFJ-UNDERSLAB DUCTRND/RECT+2"GSNOTE 3FPW-FFJ1	MARK INDOOR UNIT MFR MODEL TONS ILIAN OLIAN V/PH MCA MOCP MODEL CU-1 FUR-1 CARRIER 24ACC6 5 95 16 R410A 208-230/1 28.0 40 1 CU-2 FUR-2 CARRIER 24ACC6 5 95 16 R410A 208-230/1 28.0 40 1 CU-2 FUR-3 CARRIER 24ACC6 4 95 16 R410A 208-230/1 28.0 40 1 CU-3 FUR-3 CARRIER 24ACC6 4 95 16 R410A 208-230/1 26.1 40 1 CU-3 FUR-4 CARRIER 24ACC6 2 95 16 R410A 208-230/1 26.1 40 1 CU-4 FUR-4 CARRIER 24ACC6 2 95 16 R410A 208-230/1 17.6 25 1
GENERAL NOTES: A ALL INTERIOR CONCEALED SUPPLY AND RETURN DUCTWORK NOT SPECIFICALLY LISTED ABOVE SHALL BE INSULATED WITH 1.5" FIBERGLASS WRAP WITH FOIL FACED JACKET. SCHEDULE NOTES: 1. DUCTWORK IN ATTIC SHALL BE INSULATED PER ASHRAE 90.1-2010 REQUIREMENTS B ALL PAINTING BY GENERAL CONTRACTOR. SCHEDULE NOTES TO AIR DEVICES SHALL BE EXTERNALLY INSULATED.	GENERAL NOTES: A ACCEPTABLE ALTERNATE MANUFACTURER BY CARRIER OR BRYANT. NOTES: 1. PROVIDE WITH CONCRETE OR COMPOSITE EQUIPMENT PAD.
ABBREVIATIONS:AIFDACOUSTICAL INSULATED FLEX-DUCTFFJFOIL FACED JACKETPGGSPAINTGRIP GALVANIZED STEELALUMALUMINUMFGWFIBERGLASS WRAPPVCGSPVC COATED GALVANIZED STEELABAADHESIVE BACKED ALUMINUMFPWFIRE WRAPRECTRECTRECTANGULARASJALL SERVICE JACKETGSGALVANIZED STEELRNDROUNDCSCARBON STEELGSSPGALVANIZED STEEL SPIRAL PIPESTAINLESS STEELDDENSITY (PCF)IFDINSULATED FLEXIBLE DUCTTHTHICKNESSDWIDOUBLEWALL INSULATEDMFFMATT FACED FIBERGLASSUFDUNISULATED FLEXIBLE DUCTFBFIBERGLASS BOARDPFLPREFORMED LINERFDFERFORMED LINER	DIFFUSERS, REGISTERS, GRILLES AND LOUVERS SCHEDULE PLAN MARK DESCRIPTION BASIS OF DESIGN MFR MOUNTING FINISH MATERIAL DAMPER TYPE NOTES A1 SQUARE FACE DIFFUSER, 24"x24" FACE TITUS TMS LAY-IN - STEEL - 2 A2 SQUARE FACE DIFFUSER, 24"x24" FACE TITUS TMS SURFACE - STEEL OPP. BLADE DMPR 2 A3 SQUARE FACE DIFFUSER, 12"x12" FACE TITUS TMS LAY-IN - STEEL - 2
FAN SCHEDULE PLAN MARK TYPE BASIS OF DESIGN MANUE CFM ESP ("WC) WHEEL SIZE DRIVE MAX. SONES ELECTRICAL NOTES	A4SQUARE FACE DIFFUSER, 12"x12" FACETITUSTMSSURFACE-STEELOPP. BLADE DMPR2B1EGGCRATE RETURN GRILLE, 24"x24" FACETITUS50FLAY-IN-STEEL-2B2EGGCRATE RETURN GRILLE, 24"x24" FACETITUS50FSURFACE-STEELOPP. BLADE DMPR2B3EGGCRATE RETURN GRILLE, 12"x12" FACETITUS50FLAY-IN-STEELOPP. BLADE DMPR2C1DBL DEFLCTION SUPPLY GRILLETITUS272RLSURFACE-STEELOPP. BLADE DMPR2D1RETURN GRILLETITUS350RLSURFACE-STEEL-2
$ \begin{array}{ c c c c c c c } \hline PLAN \\ MARK \end{array} & TYPE \end{array} & TYPE \end{array} & BASIS OF DESIGN \\ \hline MARK \end{array} & MODEL \end{array} & PROPE \\ \hline MANUF. \end{array} & MODEL \end{array} & PROPE \\ \hline MODEL \end{array} & PROPE \\ \hline MANUF. \end{array} & MODEL \end{array} & PROPE \\ \hline MANUF. \end{array} & MODEL \end{array} & PROPE \\ \hline MANUF. \end{array} & MODEL \end{array} & PROPE \\ \hline MARUF. \end{array} & MODEL \end{array} & PROPE \\ \hline MARUF. \end{array} & MODEL \end{array} & PROPE \\ \hline MARUF. \end{array} & MODEL \end{array} & PROPE \\ \hline MARUF. PROP$	F1 LINEAR BAR GRILLE, 7/32" BARS, 7/16" SPACING TITUS CT-PP-0 SURFACE ST. STL. - 1,2 L1 STATIONARY DRAINABLE LOUVER RUSKIN ELF635 SURFACE - ALUM. BIRDSCREEN 2 I GENERAL NOTES: A PRICE AND KRUEGER ACCEPTABLE ALTERNATE MANUFACTURERS. Image: Comparison of the state of the sta
NOTES: 1. FAN TO MOUNTED TO WOOD TRUSSES. FAN SHALL BE SECURED TO STRUCTURE PER MANUFACTURER GUIDELINES. FAN SHALL BE CONTROLLED BY WALL MOUNTED CONTROLLER. 2. FAN SHALL HAVE FLAT BLACK BODY COLOR WITH WOOD LIKE FINISHED BLADES. FINAL COLOR AND WOOD PATTERN TO BE SELECTED BY THE ARCHITECT.	 GRILLE SHALL BE SUITABLE FOR MOUNTING ON FLOOR. PROVIDE WITH OPPPOSED BLADE DAMPER. FINAL COLOR AND FINISH SLECTION SHALL BE BY THE ARCHITECT.
	ENERGY RECOVERY VENTILATOR PLAN MARK MFR MODEL EXHAUST FRESH AIR ELECTRIC SUMMER MODE WINTER EFFECT. NOTES ERV-1 RENEWAIRE HE1.5XINV 830 0.3" WC 0.75 1,350 0.3" WC 0.75 120/1 20.3 25 51% 63% 1 NOTES: 1. PROVIDE WITH ECM MOTORS, INTEGRAL DISCONNECT, RUBBER-IN-SHEAR ISOLATORS AND MOTORIZED DAMPERS ON BOTH AIRSTREAMS.
	HVAC DESIGN CRITERIA GENERAL DESIGN INFORMATION OUTDOOR DESIGN INFORMATION
	LOCATION:CENTERVILLE, OHIOSUMMER DRY BULB: SUMMER WET BULB: WINTER DRY BULB:90.3°F (ASHRAE 0.4%) SUMMER WET 0.6°F (ASHRAE 99.6%) WINTER DRY BULB:APPLICABLE CODESINDOOR DESIGN INFORMATION WINTER DRY BULB:INDOOR DESIGN INFORMATION SUMMER DRY BULB:MECHANICAL:2017 OHIO MECHANICAL CODE PLUMBING:INDOOR SUMMER DRY BULB: INDOOR SUMMER RELATIVE HUMIDITY:75°F 60% MAX 60% MAX 1NDOOR WINTER DRY BULB:VENTILATION:ASHRAE 90.1-2010 MECHANICAL CODEINDOOR WINTER RELATIVE HUMIDITY: NDOOR WINTER RELATIVE HUMIDITY:60% MAX AMBIENT





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A East First Street Dayton, OH 45402 937.223.6500 12 East Main Street Dayton, OH 45402 937.223.6500 12 East Main Street Richmond, IN 47374 765.966.3546 Tham's Grove City of Centerville CLIENT BUILDING Am's Grove City of Centerville CLIENT BUILDING					
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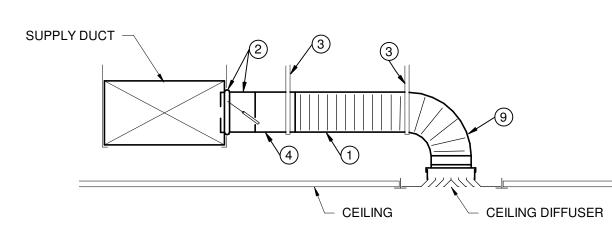
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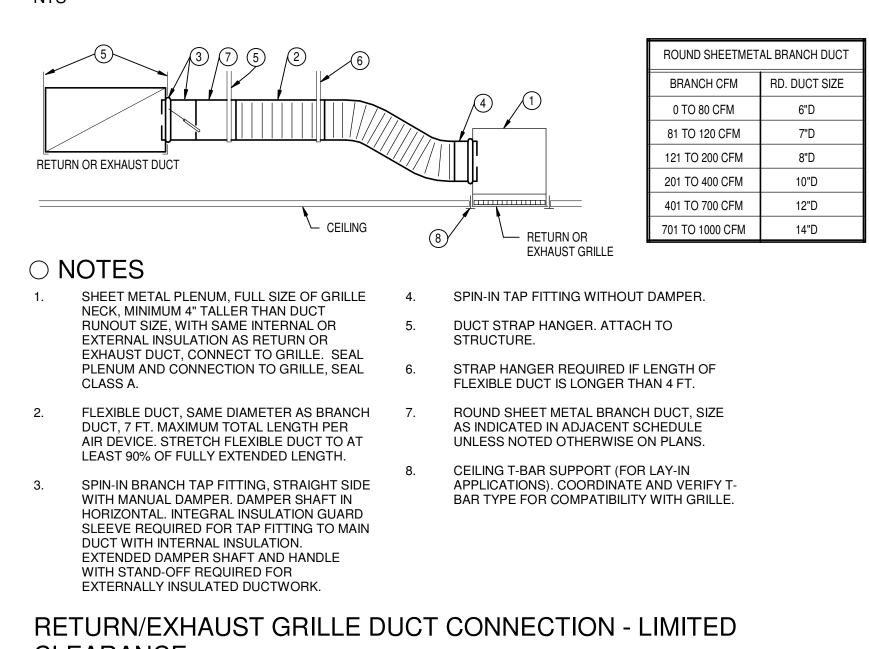
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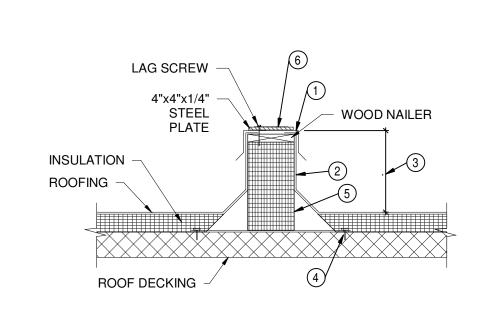


- \bigcirc NOTES
- 1 INSULATED FLEXIBLE DUCT SAME DIAMETER AS BRANCH DUCT, 6 FT. MAXIMUM TOTAL LENGTH PER AIR DEVICE. STRETCH FLEXIBLE DUCT TO AT LEAST 90% OF FULLY EXTENDED LENGTH.
- 2 SPIN-IN BRANCH TAP FITTING, STRAIGHT SIDE WITH MANUAL DAMPER. DAMPER SHAFT IN HORIZONTAL. INTEGRAL INSULATION GUARD SLEEVE REQUIRED FOR TAP FITTING TO MAIN DUCT WITH INTERNAL INSULATION, AND EXTENDED DAMPER SHAFT AND HANDLE WITH STAND-OFF TO ACCOMMODATE EXTERNAL INSULATION.
- 3 DUCT STRAP HANGER. ATTACH TO STRUCTURE.
- 4 ROUND SHEET METAL BRANCH DUCT, SAME SIZE AS DIFFUSER INLET UNLESS NOTED OTHERWISE.

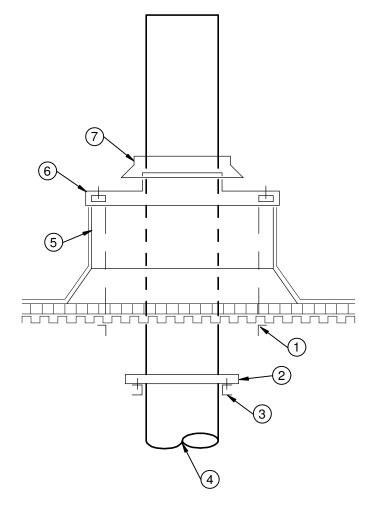
1 CEILING DIFFUSER DUCT CONNECTION



2 CLEARANCE



3 ROOF EQUIPMENT SUPPORT



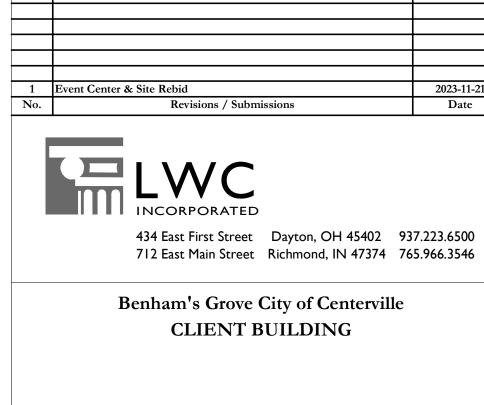
VENT DUCTS THRU ROOF

6.

- 1. PROVIDE COUNTER-FLASHING.
- 2. HEAVY GAUGE CONTINUOUS SUPPORT EXTENDS 6" BEYOND LAST EQUIPMENT LEG. SCREW ATTACHMENT TO DECK.
- 3. MINIMUM 12 INCHES. #10x1" EXPANSION LAGS TO DECK SPACED 4.
- EVERY 6".
- INSULATED STEEL CURB. SECURE FAN TO CURB WITH #14-1" LONG (STAINLESS STEEL OR ZINC
- COATED/CORROSION-RESISTANT), SELF-DRILLING/PIERCING FASTENERS ON ALL SIDES MINIMUM OF 6" O.C.

NOTES

- STRUCTURAL FRAMING FOR OPENING. 1 COORDINATE REQUIRED OPENING DIMENSIONS.
- 2 SUPPORT RING. FASTEN TO DUCTWORK AND CHANNEL.
- 3 CHANNEL SUPPORT FROM ADJACENT
- JOISTS. 4 FROM EQUIPMENT.
- 5 14" HIGH CURB. EQUAL TO PATE PCA-5.
- 6 CURB CAP EQUAL TO PATE PCC.
- 7 STORM COLLAR FASTEN TO PIPE.



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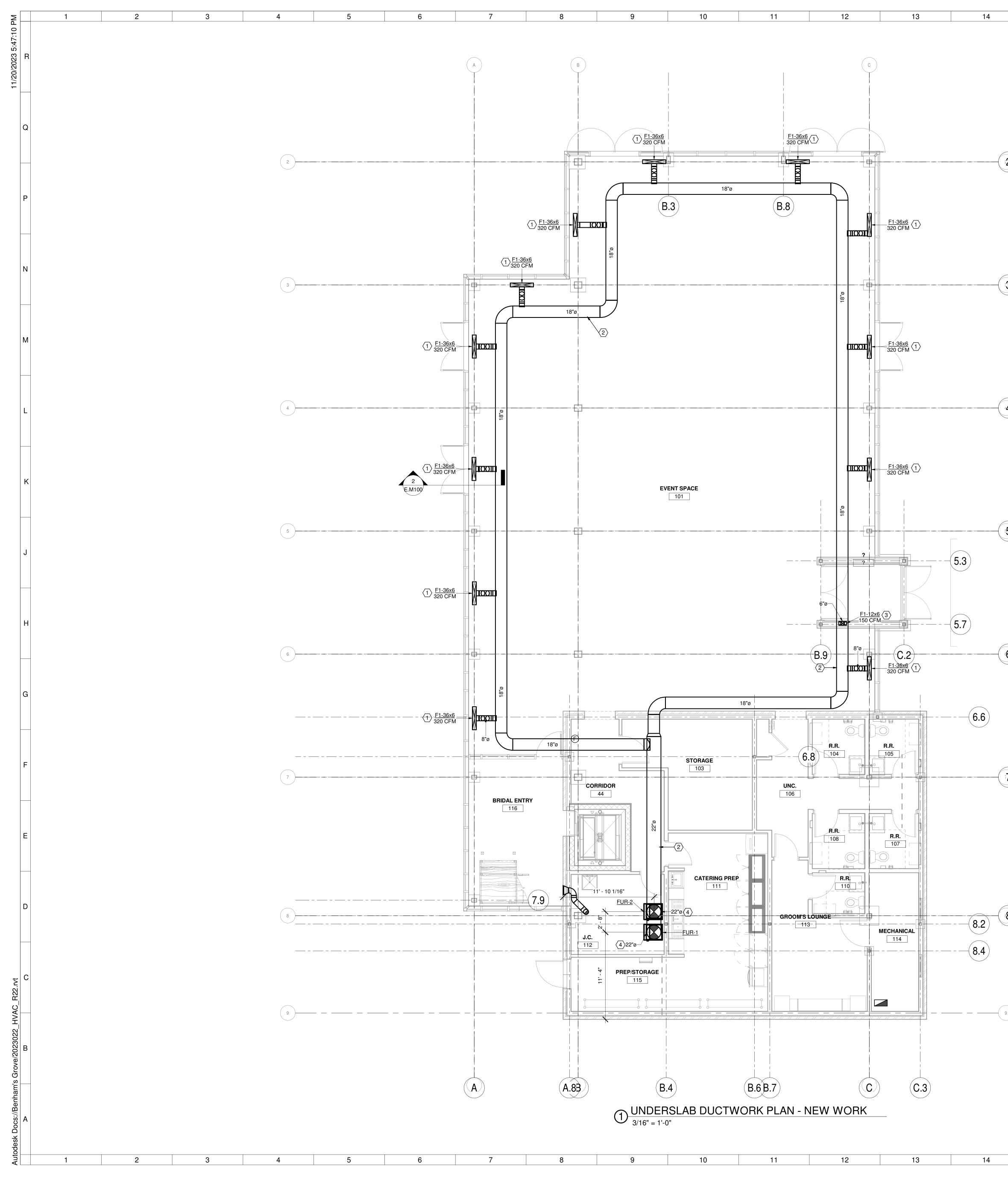
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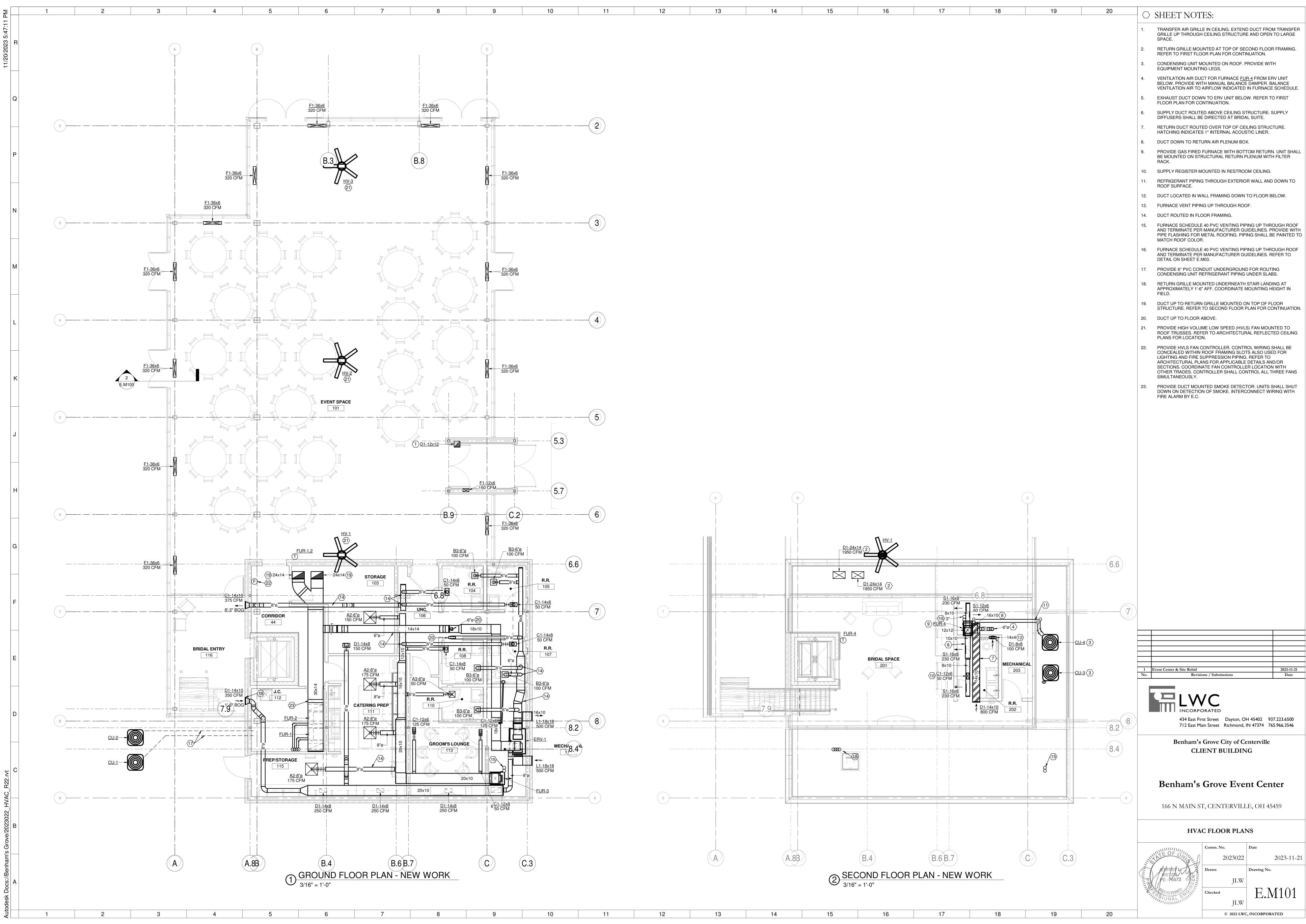
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-(2)						 SUPPLY AIR GRILLE MOUNTED AIR PLENUM. BRANCH DUCTWO INSTALLED PRIOR TO FLOOR S MOUNTED DIRECTLY ON FLOOR DUCT LOCATED BELOW SLAB. COMPOSITE OR PLASTIC MATE JOINTS. DUCTWORK SHALL BE PRIOR TO POURING OF FLOOR PROVIDE BRANCH DUCT UP TH AIR GRILLE. GRILLE MOUNTED DUCT UP THROUGH FLOOR SLA PLENUM. DIMENSIONS ARE SHO BE FIELD COORDINATED.
-3)						
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-8						A34 East First Street 712 East Main Street Benham's Grove O CLIENT B
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E OR PLAS	OW SLAB. DUCT SHALL BE CONSTI TIC MATERIAL WITH SOLVENT OR SHALL BE PRESSURE TESTED FOI OF FLOOR SLAB.	HEAT FUSED
	JCT UP THROUGH FLOOR SLAB FO	OR SUPPLY
HROUGH F	ELOOR SLAB TO FURNACE SUPPL' S ARE SHOWN FOR REFERENCE /	
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	SELOW SLAB PLAN	
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 Substrate and substrate and sub					1. LIGHT FIXTURES DESIGNATED AS "NIGHT LIGHTS" SHALL BE ON UNSWITCHED CIRCUIT, UNLESS NOTED.	GE 1.
Pinter and the second secon	Q				3. ALL RECESSED DOWNLIGHTS MOUNTED IN GRID CEILING SHALL BE CENTERED	2.
Building and a set of a set					FIXTURES WITH HVAC DUCTWORK.	3.
					 NOTED. DERATE PER CODE WHERE CIRCUITS ARE COMBINED. 6. ALL HOMERUN CONDUCTORS BACK TO PANEL SHALL BE #10 AWG MINIMUM, UNLESS NOTED. PROVIDE A GREEN GROUND CONDUCTOR IN ALL BRANCH 	4.
N Image: State Sta	P				7. ALL CONDUIT DROPS FOR PLENUM RATED CABLES SHALL BE PROVIDED WITH A	5.
					PANEL AND CIRCUIT NUMBER.	
 A Market 1997 A M	N				 AUXILIARY CONTACTS, RELAY, ETC. IN MOTOR STARTERS FOR REQUIRED CONTROL OF MECHANICAL EQUIPMENT. 10. DO NOT SUPPORT CONDUIT OFF OF CEILING GRID, CEILING GRID SUPPORTS, 	
N Image: State of the state					CONDUITS AND BOXES ON SEPARATE SUPPORTS FROM BAR JOIST OR STRUCTURE.	9.
Image: State of the state o					PRIOR TO ROUGH-IN. 12. NEW FIRE ALARM DEVICES SHOWN FOR REFERENCE ONLY. FINAL DESIGN AND PERMIT DRAWINGS TO BE PROVIDED BY FIRE ALARM MANUFACTURERS THROUGH A DELEGATED DESIGN APPROACH. ANNUNCIATING STROBES SHALL	10.
L MARTIN CALL AND	M				SUPPORT ALL NEW DEVICES PROVIDING ADDITIONAL 20% CAPACITY ON NAC	12.
α					A AMPS	13.
K K K K K K K K K <td></td> <td></td> <td></td> <td></td> <td>AFFABOVE FINISHED FLOORAFGABOVE FINISHED GRADEBKRBREAKERCCONDUIT</td> <td></td>					AFFABOVE FINISHED FLOORAFGABOVE FINISHED GRADEBKRBREAKERCCONDUIT	
κ Free Provide Note of the State of the					CUH CABINET UNIT HEATER CKT CIRCUIT Cu COPPER	14.
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A A <td>к</td> <td></td> <td></td> <td></td> <td>G GROUND GFI GROUND FAULT INTERRUPTER GRC GALVANIZED RIGID CONDUIT</td> <td>15.</td>	к				G GROUND GFI GROUND FAULT INTERRUPTER GRC GALVANIZED RIGID CONDUIT	15.
J					J JUNCTION BOX KVA KILOVOLT AMPERE KW KILOWATTS LGTG LIGHTING	16.
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HTING/POWER NOTES

- ED AS "NIGHT LIGHTS" SHALL BE ON UNSWITCHED
- NSWITCHED CIRCUIT, UNLESS NOTED.

- MOUNTED IN GRID CEILING SHALL BE CENTERED FD
- , COORDINATE EXACT LOCATION OF LIGHT NORK.
- CIRCUITRY ARE #12 AWG MINIMUM, UNLESS WHERE CIRCUITS ARE COMBINED.
- S BACK TO PANEL SHALL BE #10 AWG MINIMUM, GREEN GROUND CONDUCTOR IN ALL BRANCH ODE WHERE CIRCUITS ARE COMBINED.
- ENUM RATED CABLES SHALL BE PROVIDED WITH A CEILING. OX, ALL SPARE CIRCUITRY SHALL BE LABELED WITH
- ICAL CONTRACTOR AND PROVIDE ALL NECESSARY Y, ETC. IN MOTOR STARTERS FOR REQUIRED
- QUIPMENT. OFF OF CEILING GRID, CEILING GRID SUPPORTS, R ANY OTHER TRADE'S SUPPORTS. INSTALL EPARATE SUPPORTS FROM BAR JOIST OR
- TIONS FOR ALL KITCHEN AND BAR EQUIPMENT
- SHOWN FOR REFERENCE ONLY. FINAL DESIGN AND ROVIDED BY FIRE ALARM MANUFACTURERS SIGN APPROACH. ANNUNCIATING STROBES SHALL E ADEQUATE POWER FOR NEW PANELS TO

NS

- **GENERAL PROJECT NOTES**
- 1. WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL, STATE OF OHIO, 2017 NEC AND NATIONAL CODES, RECOMMENDATIONS, REGULATIONS, AND REQUIREMENTS.
- COORDINATE ELECTRICAL REQUIREMENTS FOR NEW WORK WITH THE PLUMBING AND MECHANICAL CONTRACTORS. VERIFY VOLTAGE, PHASE AND ACCESSORY REQUIREMENTS, SUCH AS MOTOR STARTERS AND DISCONNECTS.
- 3. CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING AS REQUIRED FOR HIS WORK. OPENING IN WALLS, FLOORS AND CEILINGS SHALL BE FILLED IN, PATCHED, PAINTED AND FINISHED IN A MANNER TO MATCH THE QUALITY OF THE EXISTING, LIKE ADJACENT SURFACES.
- 4. NEW OPENINGS IN EXISTING WALLS AND FLOORS SHALL BE CORE DRILLED OR SAW CUT. OPENINGS IN NEW WALLS AND FLOORS SHALL BE PLANNED AND COORDINATED WITH GENERAL CONTRACTOR FOR THE INSTALLATION OF APPROPRIATE SLEEVES.
- 5. ALL CONDUIT SHALL BE 3/4" MINIMUM U.N.O. MC CABLE IS ALLOWED. 6. CONDUIT SHALL BE CONCEALED IN CEILING OR WALLS WHEREVER POSSIBLE.
- 7. ALL BRANCH CIRCUITS AND FEEDERS SHALL CONTAIN A GREEN INSULATED GROUND CONDUCTOR. GROUNDING BY MEANS OF RACEWAY IS NOT PERMITTED.
- 8. REFER TO MECHANICAL, PLUMBING, AND ARCHITECTURAL PLANS FOR EXACT LOCATION OF EQUIPMENT.
- 9. CONTRACTOR SHALL COORDINATE EXACT HEIGHT OF DEVICES DESIGNED AS OVER COUNTER WITH CASE WORK AND FURNITURE DRAWINGS.
- 10. VERIFY CEILING TYPES PER THE ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE APPROPRIATE TYPE FIXTURE, LAY-IN FOR GRID, FLANGE FOR DRYWALL, ETC.
- 11. VERIFY AND COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF ALL DEVICES MOUNTED IN CASEWORK OR ABOVE COUNTERS WITH SPECIFIC EQUIPMENT FURNISHED.
- 12. NO MORE THAN 3 PHASE CONDUCTORS SHALL BE INSTALLED IN ANY ONE CIRCUIT, UNLESS NOTED OTHERWISE. EACH BRANCH CIRCUIT SHALL CONTAIN THEIR OWN NEUTRAL CONDUCTOR. NO SHARED NEUTRALS. 13. CONTRACTOR SHALL PROVIDE ALL FIRESTOPPING FOR CONDUIT OR CABLE
- TRAY PENETRATIONS THAT PENETRATE ACOUSTICAL RATED OR SMOKE AND FIRE RATED ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED ASSEMBLIES. ALL RATED PENETRATIONS SHALL BE FIRESTOPPED TO ORIGINAL ASSEMBLY RATING. ALL NON-RATED FLOOR PENETRATIONS SHALL BE SEALED WATER TIGHT WITH A FLEXIBLE SEALANT.
- 14. BRANCH CIRCUIT WIRING CHART TO BE UTILIZED AS GUIDELINE FOR VOLTAGE DROP COMPENSATION, INCREASE CONDUIT SIZING PER WIRE SIZE. (APPLIES TO ALL SHEETS)
 - A. 20A-120 VOLT CIRCUITS #12 WIRE - 75' LENGTH MAX. #10 WIRE - 125' LENGTH MAX. - #10 GRD.
 - #8 WIRE 200' LENGTH MAX. #8 GRD. d. #6 WIRE - 300' LENGTH MAX. - #6 GRD.
- 15. PROVIDE ALL PULL BOXES, IN ACCESSIBLE AREA, THAT EXCEED NEC NUMBER OF BENDS OR LENGTH IN FEEDER AND BRANCH CIRCUITS. INSTALL BOXES WHERE REQUIRED PER CODE.
- 16. ALL WIRING DEVICES SHALL BE OF HEAVY DUTY COMMERCIAL GRADE CONSTRUCTION. REFER TO ARCHITECTURAL SHEETS AND CODE SHEET FOR ALL FIRE-RATED PARTITION LOCATIONS AND RATINGS. COORDINATE COLORS WITH ARCHITECT.
- 17. CONTRACTOR IS RESPONSIBLE FOR ALL CORE-DRILLS REQUIRED FOR INSTALLATION OF ELECTRICAL WORK.
- 18. ROUTING OF CIRCUITRY INSTALLED IN CASEWORK, CABINETRIES, ETC. SHALL BE COORDINATED FOR PROPER CONCEALMENT AND FUNCTION OF CASEWORK, CABINETRIES, ETC.
- 19. VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION, TRENCHING, OR DRILLING.
- 20. ALL ROOF PENETRATIONS OR PATCHES SHALL BE MADE PER ROOFING MANUFACTURER WARRANTY REQUIREMENTS.
- 21. ALL EXPOSED METAL CONDUITS ARE TO BE PAINTED TO MATCH THE ADJACENT SURFACE. COORDINATION OF PAINTING OF CONDUIT IS TO BE BY THE ELECTRICAL CONTRACTOR, WITH PAINTING BY OTHERS. 22. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL
- REQUIRED JUNCTION BOXES, PULL BOXES. ETC FOR A COMPLETE INSTALLATION PER THE N.E.C. AND LOCAL CODES. ALL CONDUCTORS SHALL BE RATED FOR 90 DEGREE CELSIUS. 23. COORDINATE WORK WITH OTHER TRADES. COORDINATION OR SCHEDULING
- SHALL BE RESPONSIBILITY OF THE INVOLVED CONTRACTORS.
- 24. ALL LOW VOLTAGE CABLING INSTALLED IN SPACES WITHOUT A LAY-IN OR WITH A HARD CEILING SHALL BE INSTALLED IN CONDUIT AND BOXES.

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LIGHTING		FIRE ALARM
LIGHTING FIXTURE. REFER TO FIXTURE SCHEDULE. LETTER INDICATES	F	FIRE ALARM PULL STATION, 44" AFF MOUNTING HEIGHT
TYPE.	ЪF	FIRE ALARM HORN/STROBE. 80" AFF MOUNTING HEIGHT
EMERGENCY LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP. "NL" INDICATES NIGHT LIGHT CIRCUIT. REFER TO FIXTURE SCHEDULE FOR BATTERY REQUIREMENTS.	Ø	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR. S = SUPPLY, R = RETURN - COORDINATE WITH DUCTWORK. MAKE SAMPLING TUBE FULL WIDTH OF DUCT IN LENGTH. PROVIDE SMOKE DETECTOR FOR DAMPER OPERATION AND 120 VOLT POWER CONNECTION AS SHOWN ON THE
LIGHTING FIXTURE. LETTER INDICATES TYPE.	R	POWER DRAWINGS. COORDINATE ALL CONNECTIONS WITH MECHANICAL CONTRACTOR. CONNECT TO ALARM SYSTEM.
EMERGENCY LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP.		
CEILING MOUNTED EXIT SIGN. REFER TO FIXTURE SCHEDULE. SHADED	S FEAD	FIRE ALARM CEILING MOUNTED SMOKE DETECTOR.
AREA DENOTES FACE(S) OF UNIT. CONNECT TO LOCAL UNSWITCHED LIGHTING CIRCUIT.	FAAP FACP	FIRE ALARM ANNUNCIATOR PANEL. FIRE ALARM CONTROL PANEL.
WALL MOUNTED EXIT SIGN. REFER TO FIXTURE SCHEDULE. SHADED		FIRE ALARM STROBE. 80" AFF MOUNTING HEIGHT.
AREA DENOTES FACE(S) OF UNIT. CONNECT TO LOCAL UNSWITCHED LIGHTING CIRCUIT.		BLUE EXTERIOR STROBE LIGHT FOR FIRE DEPARTMENT CONNECTION
EMERGENCY EGRESS LIGHT. REFER TO FIXTURE SCHEDULE.	WP	WP - WEATHERPROOF
CEILING MOUNTED OCCUPANCY SENSOR.	FS	SPRINKLER SYSTEM FLOW SWITCH FURNISHED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR, CONNECTED BY ELECTRICAL CONTRACTOR.
SINGLE POLE WALL SWITCH. 120/277 VOLT, 20 AMP. 44" AFF.	Те	SPRINKLER SYSTEM GATE VALVE. SUPERVISORY SWITCH FURNISHED
THREE WAY WALL SWITCH. 120/277V, 20 AMP. 44" AFF	TS	AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR, CONNECTED BY ELECTRICAL CONTRACTOR.
FOUR WAY WALL SWITCH. 120/277V, 20 AMP. 44" AFF	OF WP	FIRE ALARM STROBE. 80" AFF MOUNTING HEIGHT.
OCCUPANCY SENSOR WALL SWITCH. 120/277V, 20 AMP. 44" AFF		MAGNETIC DOOR HOLD OPEN.
OCCUPANCY SENSOR WALL SWITCH WITH 0-10V DIMMING. 120/277V, 20 AMP. 44" AFF	RPS	FIRE ALARM REMOTE POWER SUPPLY.
SINGLE POLE WALL SWITCH WITH PILOT LIGHT. 120/277V, 20 AMP. 44" AFF	Z	FIRE ALARM MONITOR MODULE.
EXTERIOR LIGHT FIXTURE. ER, EXISTING TO REMAIN, PL1 - NEW FIXTURE. REFER TO FIXTURE SCHEDULE.	R	FIRE ALARM CONTROL RELAY MODULE.
	E.O.L.R.	END OF THE LINE RESISTOR.
POWER	KB	FIRE ALARM CONTROL RELAY MODULE.
DUPLEX RECEPTACLE. 120 VOLT, 20 AMP. 18" AFF UNO.		
DUPLEX RECEPTACLE WITH USB PLUG. 120 VOLT, 20 AMP. 18" AFF UNO.		DATA & COMMUNICATION
DUPLEX RECEPTACLE MOUNTED AT 46" OR ABOVE BACKSPLASH. 120 VOLT, 20 AMP.	2 \(\not\)	DATA /COMMUNICATION OUTLET. TWO PORTS REFER TO DETAIL FOR MOUNTING REQUIREMENTS.
DOUBLE DUPLEX RECEPTACLE. 120 VOLT, 20 AMP. 18" AFF UNO.	▼ _W	WALL PHONE. 54" AFF.
	\bigtriangledown	DATA OUTLET. 18" AFF.
120 VOLT DOUBLE DUPLEX, 20 AMP RECEPTACLE MOUNTED AT 46" AFF OR 4" ABOVE BACKSPLASH.	4 \(\nabla \)	DATA/COMMUNTICATION. FOUR PORT DATA, 18" AFF.
DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTION. 120 VOLT, 20 AMP. 18" AFF UNO, WP-WEATHERPROOF BOX	6 V	DATA/COMMUNTICATION. FOUR PORT DATA, 18" AFF.
FLUSH FLOOR DUPLEX RECEPTACLE IN FLOOR BOX		
120 VOLT SINGLE 20 AMP RECEPTACLE.	WAP V	WIRELESS ACCESS CONNECTION POINT WITH CEILING MOUNTED CISCO WIRELESS DEVICE.

DUPLEX RECEPTACLE. CEILING MOUNTED

SPECIAL PURPOSE RECEPTACE. REFER TO FLOOR PLANS FOR NEMA CONFIGURATION.

FRACTIONAL HP MOTOR STARTER WITH THERMAL OVERLOADS. ELECTRICAL MOTOR.

HOMERUN TO PANELBOARD. NOTION INDICATES PANEL AND CIRCUIT NUMBER. (ALL CONDUCTORS SHALL BE #10 UNLESS NOTED OTHERWISE.)
ELECTRICAL PANELBOARD.
JUNCTION BOX.
CONDUIT STUB-OUT AND CAP BELOW GRADE. MARK STUB-OUT AT GRADE LEVEL.
UNDERGROUND HIGH VOLTAGE OR SECONDARY SERVICE FEED.

SAFETY DISCONNECT SWITCH (NON-FUSED). 4X INDICATES ENCLOSURE TYPE.

SAFETY DISCONNECT SWITCH (FUSED). COMBINATON MOTOR STARTER/DISCONNECT. WITH HOA SWITCH AT UNIT (FUSIBLE). OR (CIRCUIT BREAKER FOR ELEVATOR).

TRANSFORMER (NUMBER INDICATES WHICH TRANSFORMER). HAND DRYER, VERIFY MOUNTING WITH SUPPLIER

GENERAL

DETAIL # _____ DETAIL REFERENCE TAG, DRAWING # REFER TO DETAIL SHEETS

KEYNOTE FOR DRAWING

DETAIL REFERENCE TAG (SECTION)

MECHANICAL EQUIPMENT TAG. REFER TO EQUIPMENT DATA SCHEDULE.
INDICATES NEW WORK.
INDICATES TO BE REMOVED.
INDICATES EXISTING TO REMAIN.

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ELE	CTRICAL INDEX OF DRAWINGS
SHEET NUMBER	SHEET NAME
E.E001	ELECTRICAL LEGEND AND GENERAL NOTES
E.E002	ELECTRICAL EQUIPMENT AND LIGHTING SCHEDULE
E.E100	SITE ELECTRICAL PLAN
E.E101	ELECTRICAL POWER PLAN - FIRST FLOOR
E.E102	ELECTRICAL POWER PLAN - SECOND FLOOR
E.E201	ELECTRICAL LIGHTING PLAN - FIRST FLOOR
E.E202	ELECTRICAL LIGHTING PLAN - SECOND FLOOR
E.E401	PANELBOARD SCHEDULES AND SINGLE LINE DIAGRAM
E.E501	ELECTRICAL DETAILS
E.E502	SITE ELECTRICAL DETAILS

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			LOAD CHARACTERISTICS					STARTER					DISCONNECT					CTRL DEVICE							
PLAN SYMBOL	DESCRIPTION/LOCATION	× X	보	VOLTAGE	PHASE	SPEED	TYPE	NEMA SIZE	FURNISH BY	INSTALL BY	AUXIL. RELAY	LOCATION	ТҮРЕ	FURNISH BY	INSTALL BY	SWITCH/ FUSE SIZE	LOCATION	ТҮРЕ	FURNISH BY	INSTALL BY	PANEL	CIRCUIT	FEEDER SIZE/ RACEWAY	NOTES	PLAN SYMBO
CU-1	AIR COOLED CONDENSING UNIT - FUR-1	-	-	240	1 22	2.4 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CU-2	AIR COOLED CONDENSING UNIT - FUR-2	-	-	240	1 22	2.4 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CU-3	AIR COOLED CONDENSING UNIT - FUR-3	-	-	240	1 20	.88 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CU-4	AIR COOLED CONDENSING UNIT - FUR-4	-	-	240	1 14	- 80.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EF-1	EXHAUST FAN	-	1/10	120	1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EF-2	EXHAUST FAN	-	1/10	120	1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EF-3	EXHAUST FAN	.08	-	120	1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EH-1	ELECTRIC UNIT HEATER	5.0	-	240	1 20	.8 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ERV-1	ENERGY RECOVERY VENTILATOR	-	-	120	1 16	.24 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FUR-1	NATURAL GAS FURNACE - FIRST FLOOR	-	-	120	1 9	.6 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FUR-2	NATURAL GAS FURNACE - FIRST FLOOR	-	-	120	1 9	.6 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FUR-3	NATURAL GAS FURNACE - FIRST FLOOR	-	-	120	1 10	.32 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FUR-4	NATURAL GAS FURNACE - SECOND FLOOR	-	-	120	1 7.	84 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-1	ELEVATOR PIT SUMP PUMP	-	1/2	120	1 9	.4 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P2	14	-	-	-
WH-1	INSTANTANEOUS GAS WATER HEATER	-	-	120	1 2	.0 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P2	15	-	-	-
WH-2	INSTANTANEOUS GAS WATER HEATER	-	-	120	1 2	.0 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P2	15	-	-	-
ABBREVIATIO CC - CONTF CP - CORD/ EC - ELECT	NS: ROL CONTRACTOR FS - FUSED SWITCH	R TOR	GC HC PC	- GENE - HEAT - PLUM	ERAL CON ING CONT BING CON	TRACTO RACTOF	R R DR		VC - TS - T NFS -	THERM NON F	LATION CO OSTAT USED SW	ONTRACTOR	<u> </u>			<u> </u>		I	<u> </u>						I

	LI	GH	ΓING	FIX	TURE SCHEDULE												
								CLASSIFICATION	Т	RIM (COLC	R	MOUNTING	S	IZE (II	N.)	
FIXTURE SYMBOL	FIXTURE VOLTAGE	FIXTURE INPUT WATTS	TEMPERATURE (K)	DELIVERED LUMENS	MANUFACTURER AND MODEL NUMBER	OTHER ACCEPTABLE MANUFACTURER	DIFFUSER MEDIA	EM - EMERGENCY N - NORMAL HAZ - HAZARDOUS HB - HIGH BAY LB - LOW BAY HM - HIGH MAST	WHITE NICKEL	CHROME	BRUSHED NICKEL	STANDARD	CS - CEIL. SURF. PT - POST TOP	DIAMETER OR WIDTH	LENGTH	ДЕРТН	NOTES
A1	UNV	11	3000	965	LUMENPULSE #LFP-CR-UL-120_277-12-10W-30K-80-90X90- CL-NF-DIM-NVR-SM-BK-NA	AS PRE-APPROVED	CLEAR GLASS	Ν				x	S	2.1875	12	3.25	
A2	UNV	21	3000	1924	LUMENPULSE #LFP-CR-UL-120_277-24-10W-30K-80-90X90- CL-NF-DIM-NVR-SM-BK-NA	AS PRE-APPROVED	CLEAR GLASS	N				x	S	2.1875	24	3.25	-
A3	UNV	31	3000	2889	LUMENPULSE #LFP-CR-UL-120_277-36-10W-30K-80-90X90- CL-NF-DIM-NVR-SM-BK-NA	AS PRE-APPROVED	CLEAR GLASS	N				x	S	2.1875	36	3.25	-
A4	UNV	40	3000	3847	LUMENPULSE #LFP-CR-UL-120_277-48-10W-30K-80-90X90- CL-NF-DIM-NVR-SM-BK-NA	AS PRE-APPROVED	CLEAR GLASS	N				x	S	2.1875	48	3.25	-
B1	UNV	29	4000	3877	COLUMBIA #CBT24-LSCS	AS PRE-APPROVED	FROSTED ACRYLIC	N	х				-	24	48	1.72	-
BL1	UNV	18	4000	1608	LUMEC #PBL-42-14L-350-NW-G2-3-UNV-DD-BK	AS PRE-APPROVED	FROSTED ACRYLIC	N	х				-	24	48	1.72	-
D1	UNV	30	4000	4274	COLUMBIA #CSL4-LSCS	AS PRE-APPROVED	FROSTED ACRYLIC	N	Х				-	2.25	48	2.69	-
F1	UNV	10	3000	930	GREEN CREATIVE #SLFT6/9CCT5S/DUALDIM	AS PRE-APPROVED	CLEAR POLYCARBONATE	-	Х				R	6	DIA	4.9375	-
F2	UNV	17	3000	1580	GREEN CREATIVE #SLFT6/9CCT5S/DUALDIM	AS PRE-APPROVED	CLEAR POLYCARBONATE	-	Х				R	6	DIA	4.9375	-
F6	UNV	20	3000	2313	LUMENPULSE #LCRS-A-FD-120-R-L20-30K-80-M-DA1-SB-MBK- RD-MBK-IC-1-WET-CL	AS PRE-APPROVED	CLEAR POLYCARBONATE	-	x				R	6	DIA	4.9375	-
LP1	-	-	-	-	LUMEC #AM8U-12-GFII-BKTX	CENTERVILLE STANDARD	-	N				2	POLE	4	DIA	144	10
LS1	120	14.5	3000	900	WAC LANDSCAPE #5012-30-BK	AS PRE-APPROVED	CLEAR GLASS	N				5	PT	2.875	DIA	6.125	9
P7	UNV	36	3000	1800	SONNEMAN #2977.25C	AS PRE-APPROVED	CLEAR GLASS	N				5	S	51	DIA	11.5	6
P8	UNV	396	2700	27280	CAMMAN #CH37781 MOD	AS PRE-APPROVED	OPEN	N				5	S	72	DIA	24	6
P9	UNV	180	2700	12400	CAMMAN #CH37781 MOD	AS PRE-APPROVED	OPEN	N				5	S	48	DIA	24	6
PT1	UNV	71	4000	8391	LUMEC #MPTR-70W64LED4K-G3-LE5-120-DMG-BKTX	CENTERVILLE STANDARD	CLEAR GLASS	N				2	PT	20.125	DIA	38.5	10
PT2	UNV	71	4000	8274	LUMEC #MPTR-70W64LED4K-G3-LE3W-120-DMG-BKTX	CENTERVILLE STANDARD	CLEAR GLASS	N				2	PT	20.125	DIA	38.5	10
SL1	UNV	-	-	-	OWNER PROVIDED, CONTRACTOR INSTALLED	-	-	Ν				Х	PT	2	284	2	8
UL1	UNV	61	RGB	1339	LUMENPULSE #LOI-120/277-48-RGBW30K-WW-TS2.5-DMX/RDM	AS PRE-APPROVED	CLEAR GLASS	Ν				Х	R	2	284	2	-
WS6	UNV	10	3000	500	KOHLER #K-23463-SCLED-2GL	AS PRE-APPROVED	FROSTED GLASS	Ν				7	WM	1	DIA	18	-
X1	UNV	-	-	-	COMPASS #CCR	AS PRE-APPROVED	EMERGENCY EGRESS	EM	х				UNIVERSAL	19.25	8.125	1.75	-
X2	UNV	-	-	-	EVENLITE #SOVII-EM-R-1C-BA-MU-UC	AS PRE-APPROVED	EMERGENCY EGRESS	EM	х				UNIVERSAL	13.75	12	3	1
ER	UNV	-	-	-	COMPASS #CORS	AS PRE-APPROVED	EMERGENCY EGRESS	EM	х				WM-8'-0''	4.5	DIA	6.7	-
	UNV	-	-	-	COMPASS #CU2	AS PRE-APPROVED	EMERGENCY EGRESS	EM	Х				WM-8'-0''	4	9	2.75	-
NOTE 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	SPEC FIXTU PROV PROV BLAC BLAC BRUS COOF PROV	ire and (ide ty) (ide ty) K R to ai Shed M(Rdinati	D POLE F PE LP1 L PE LP2 L RCHITEC ODERNE E INSTAL WER ST	INISH SI GHT PO GHT PO TURAL I BRASS LATION	DLE. DRAWINGS FOR PENDANT, CHANDELIER, AND WALL SCONCE MOUNT												

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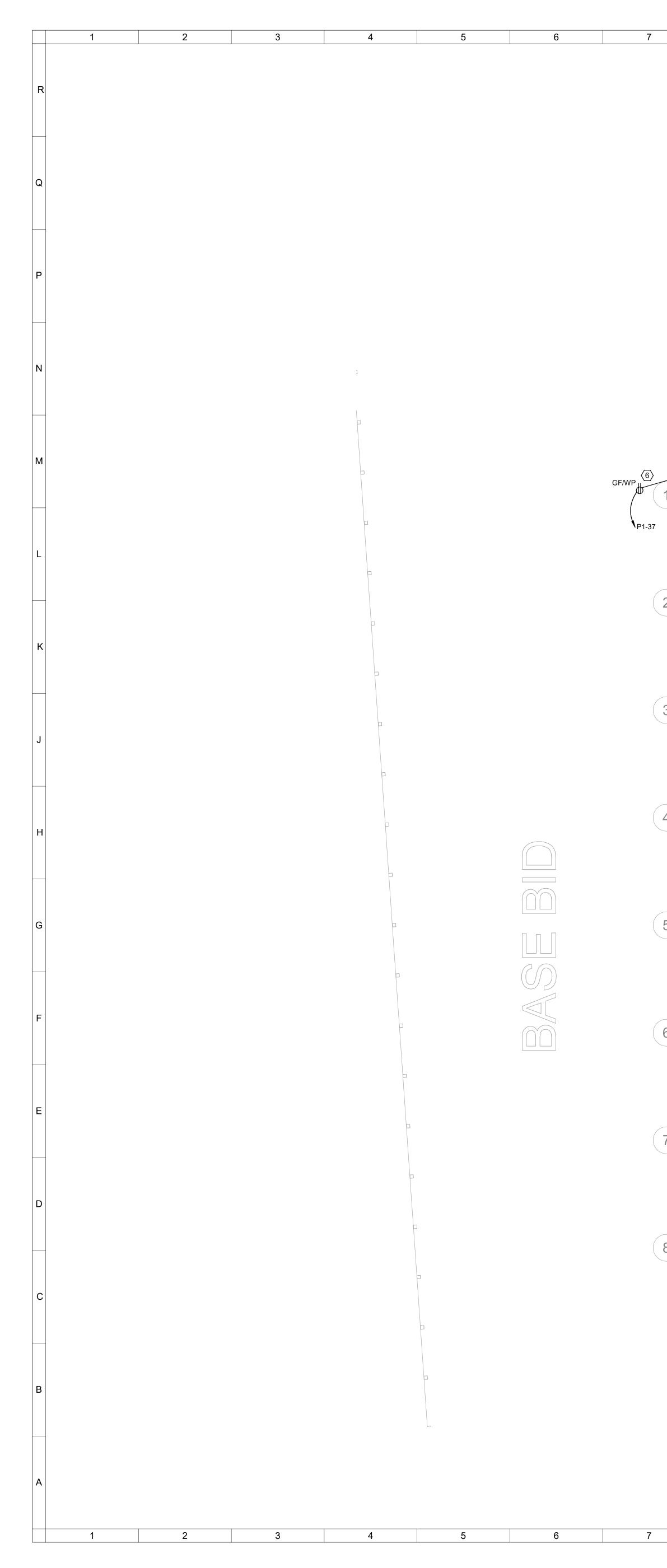


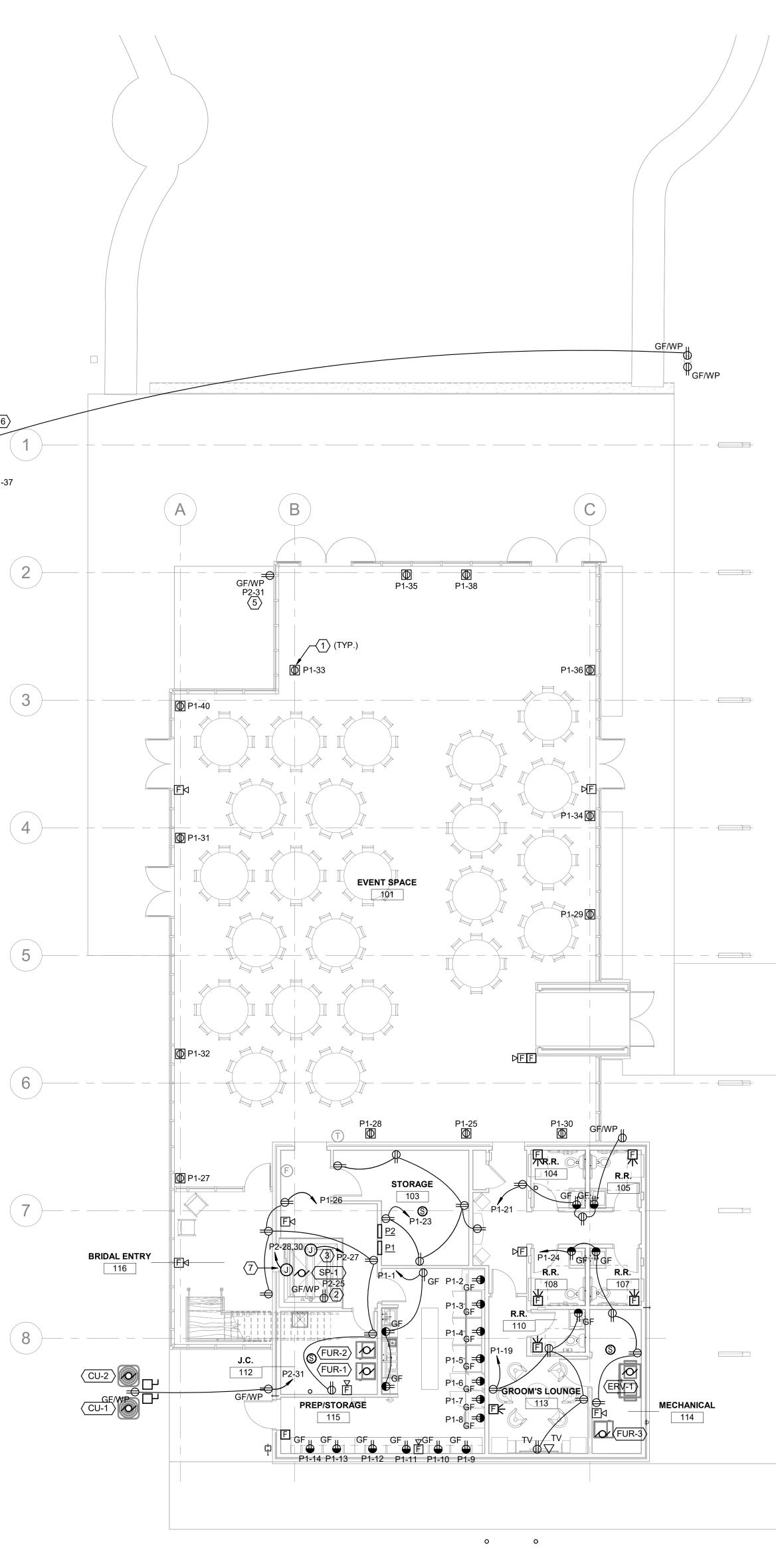
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A TAL	ATD		
	Checked	FF	E002
for white	RLS		2002
	© 2020 LWC	, INCORPOR	ATED



NOT	ES:		
CIRCUIT TO	O GFCI RECEPTACLE	PROVIDED	VITH LIGHT
C CONDUI	D IN-GRADE JUNCTIO TS WITH PULLSTRING ADDITION TO EACH	GS FROM JUI	NCTION BOX
2) #8, #8G II	N 1" SCH 40 PVC CON	NDUIT FOR R	ECEPTACLE
OWNER PF 2) RECEPT	ROOF WHILE-IN-USE ROVIDED STRING LIG ACLE CIRCUITS IN TH N 1" SCH 40 PVC CON	HTS. IIS TRENCH.	
ONCRETE I	ELIGHTING CIRCUIT A BASE. TION OF EXISTING EL		
UNCTION E LTERNATE RETE FOU	ONDUIT AND PROVIDE BOX. (2) #8, #8G. E: REMOVE AND REPI NDATION IN PLACE. F ITILZE EXISTING CIRC	LACE EXISTIN PULL BACK	
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ite reBid Revisio	ons / Submissions		2023-11-21 Date
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	Grove City of Co ENT BUILDIN		
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SITE E	LECTRICAL P	LAN	
HIO TH	Comm. No. 22627.00	Date	2023-11-21
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anning	RLS		E100





FIRST FLOOR POWER PLAN - NEW WORK 1/8" = 1'-0"

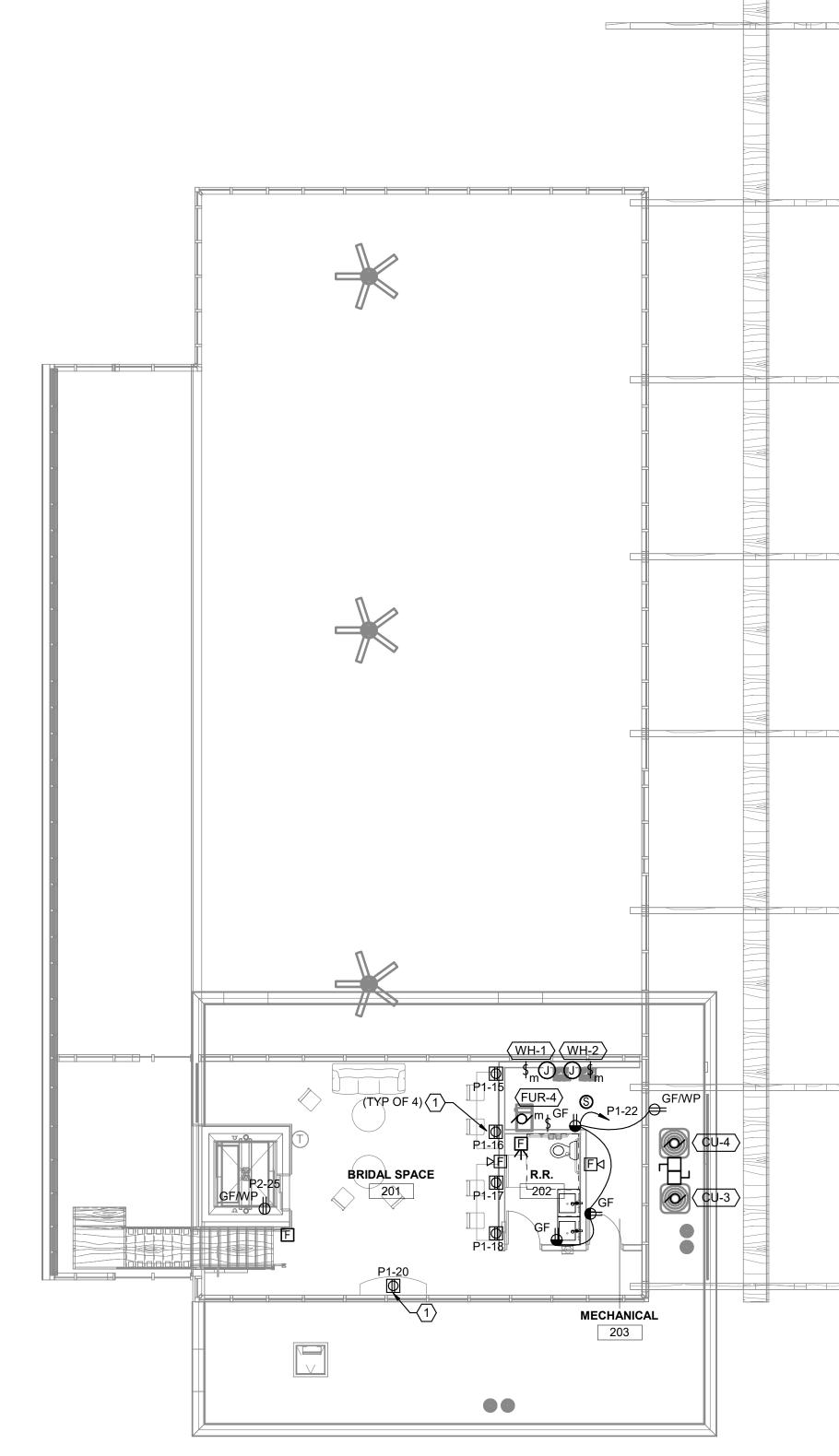
 SHEET N PROVIDE ON-0 COVER SHALL #RFB2E-OG W REFER TO ELE MAINTENANCE PROVIDE DED POWER. PROVIDE RIGI EQUIPMENT D PARTIAL RECE PROVIDE RIGI EXTERIOR RA PROVIDE PHA PERFECT #PT MANUFACTUR 	20	19	18	17	16		14	
GENERAL								
KEY PLAN								
1 Event Center & Site 1 No.								
Benhan Benhan 166 N MA ELECTRICA ELECTRICA RICHARD L SIMPKINS II 69367								
CALLSTONAL EN	20	19	18	17	16	15	14	

EET NOTES:	
/IDE ON-GRADE, 2-GANG FLOOR BOX WITH 6" ROU ER SHALL BE FLUSH WITH FLOOR WHILE IN USE. L 2E-OG WITH #6CTC2AA COVER.	
R TO ELEVATOR HOISTWAY DETAIL #1/E501 FOR TENANCE RECEPTACLE LOCATION.	
/IDE DEDICATED 20A-120V CIRCUIT FOR ELEVATO ER.	R CAB
/IDE RIGID SUPPORT FOR MAINTENANCE RECEPT PMENT DISCONNECTS.	ACLE AND
TAL RECEPTACLE CIRCUIT. /IDE RIGID CONDUIT 6" ABOVE GRADE WITH CAST	
RIOR RATED, WHILE-IN-USE COVER.	
ECT #PTS007 OR EQUAL. COORDINATE WITH ELE JFACTURER PRIOR TO ORDERING.	
RAL NOTES:	
LAN:	
nter & Site reBid	2023-11-21
Revisions / Submissions	Date
434 East First Street Dayton, OH 45402 93 712 East Main Street Richmond, IN 47374 76	
Benham's Grove City of Centerville	
CLIENT BUILDING	
enham's Grove Event Cen	ter
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5 N MAIN ST, CENTERVILLE, OH 45	459
CTRICAL POWER PLAN - FIRST FL	OOR
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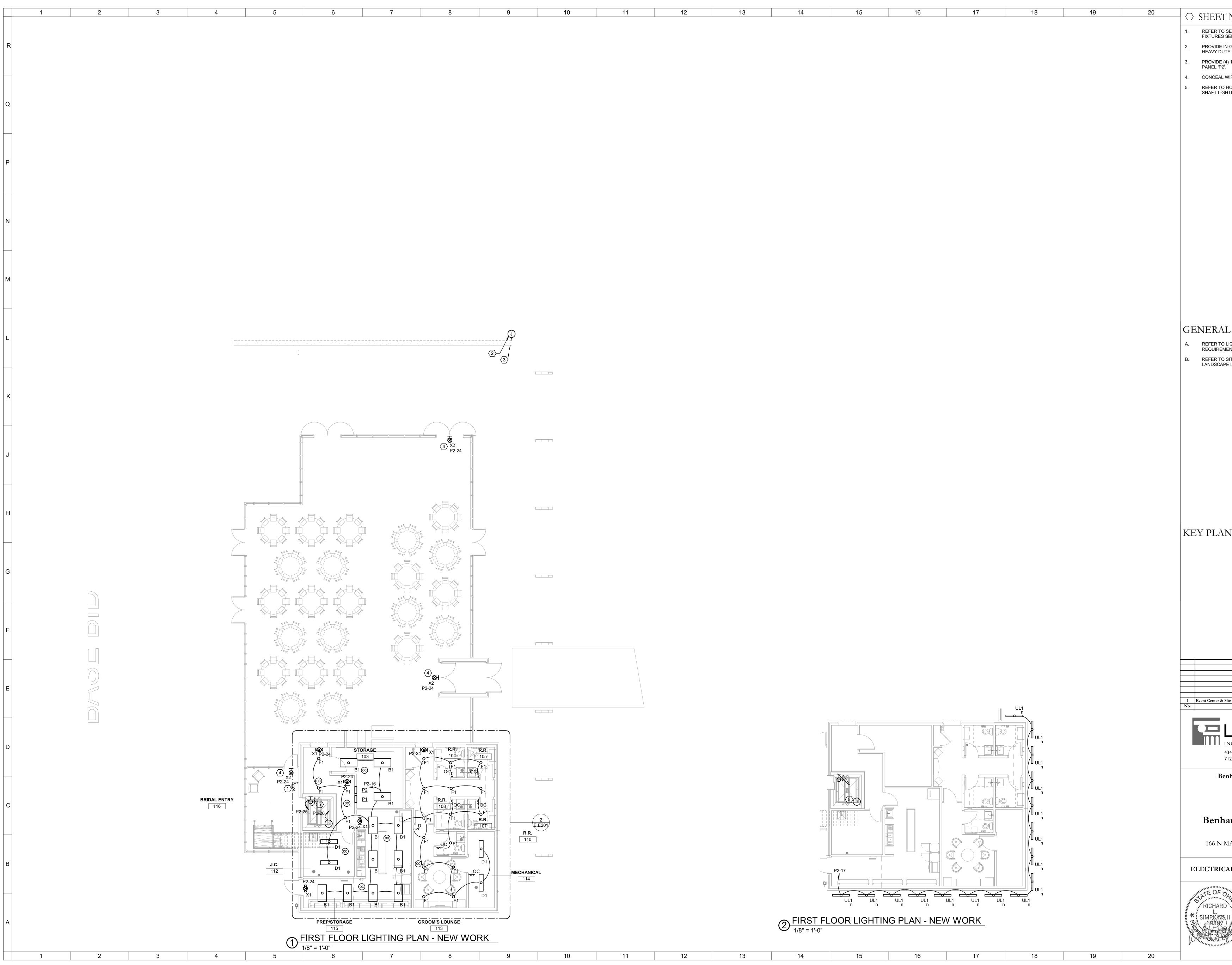
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SECOND FLOOR POWER PLAN - NEW WORK 1/8" = 1'-0"



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					••									Benhan 166 N MA
														ELECTRICAL
		(1) <u>SEC</u> 1/8" =	COND FLOOR = 1'-0"	POWER PLAI	N - NEW WOF	<u>RK</u>								RICHARD * SIMPKINS II * SIMPKINS II
7	8	9	10	11	12	13	14	15	16	17	18	19	20	Jedder John States

NOTES:	
LIP-UP, COUNTER MOUNTED TABLE BOX W	'ITH
ON USB RECEPTACLE. LEGRAND #DQF-F-2 EQUAL.	0A-U-ST OR
L NOTES:	
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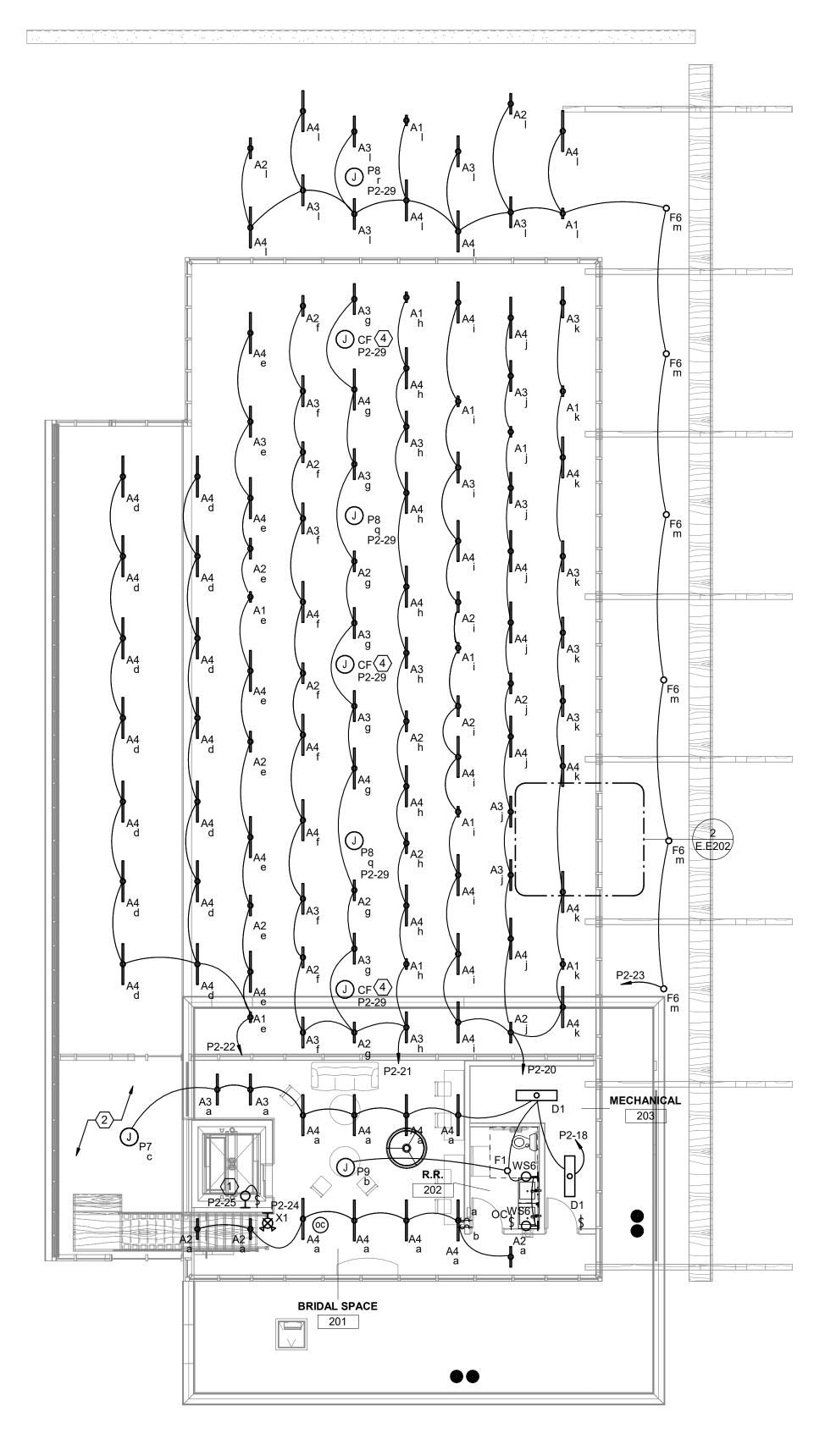


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PIRST FLOOR LIGHTING PLAN - NEW WORK					<u>II</u>			166 N M.
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	14	15	16	17	18	19	20	

NOTES:	
SECOND FLOOR LIGHTING PLAN FOR LIGHT	ſING
SERVED BY THIS CONTROL.	
"Y COVER LABELED "ELECTRIC" OR EQUAL.	
) 1" SCH 40 PVC CONDUITS WITH PULLSTRI	NGS TO
VIRING IN MULLION AS POSSIBLE.	
HOISTWAY ELECTRICAL DETAIL #1/E501 FO ITING REQUIREMENTS.	R ELEVATOR
L NOTES:	
LIGHTING CONTROL DETAILS, SHEET E.E50	1, FOR
ENTS.	
SITE ELECTRICAL PLAN, ES101, FOR PATIO E LIGHTING REQUIREMENTS.	AND
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$ \begin{array}{c} \begin{array}{c} f \\ e \end{array} \end{array} \begin{pmatrix} f \\ g \\ F6 \\ g \\ FC $
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$ \begin{pmatrix} A_{4} \\ d \\ d \\ d \\ d \\ e \\ e \\ e \\ A_{3} \\ e \\ B_{2} \\ B$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$A_{A4} = \begin{pmatrix} A_{A4} \\ e \\ A_{A3} \\ g \\ A_{A3} \\ g \\ A_{A2} \\ A_{A2} \\ A_{A3} \\ K \\ $
A4 d A2 e A4 f A4 g A4 g A4 h A4 g A4 h A4 h A4 h A4 h
$ \begin{pmatrix} A_4 \\ d \\ d \\ e \\ \end{pmatrix}_{A4} \begin{pmatrix} A_4 \\ f \\ e \\ \end{pmatrix}_{P2-29} \begin{pmatrix} A_4 \\ f \\ B_2 \\ P2-29 \\ h \\ \end{pmatrix}_{P2-29} \begin{pmatrix} A_1 \\ A_1 \\ A_2 \\ A_3 \\ A_3 \\ \end{pmatrix}_{A4} \begin{pmatrix} A_1 \\ A_1 \\ A_2 \\ A_3 \\ A_3 \\ A_3 \\ A_3 \\ A_3 \\ A_4 \\ A_3 \\ A_3 \\ A_4 \\ A_3 \\ A_4 \\ A_4 \\ A_3 \\ A_4 \\ A$
$ \begin{pmatrix} A_{A_{d}} \\ d \\ d \\ e \\ \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ A_{A_{d}} \\ A_{A_{d}} \\ e \\ \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ A_{A_{d}} \\ A_{A_{d}} \\ A_{A_{d}} \\ h \\ \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ A_{A_{d}} \\ A_{A_{d}} \\ h \\ \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d} } \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d} } \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d} \\ h \\ \end{pmatrix} \end{pmatrix} \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} \\ h \\ \end{pmatrix} \end{pmatrix} \end{pmatrix} \end{pmatrix} \begin{pmatrix} A_{A_{d}} $
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$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array} \\ \end{array} $
A2 A
BRIDAL SPACE
SECOND FLOOR LIGHTING PLAN - NEW WORK 1/8" = 1'-0"



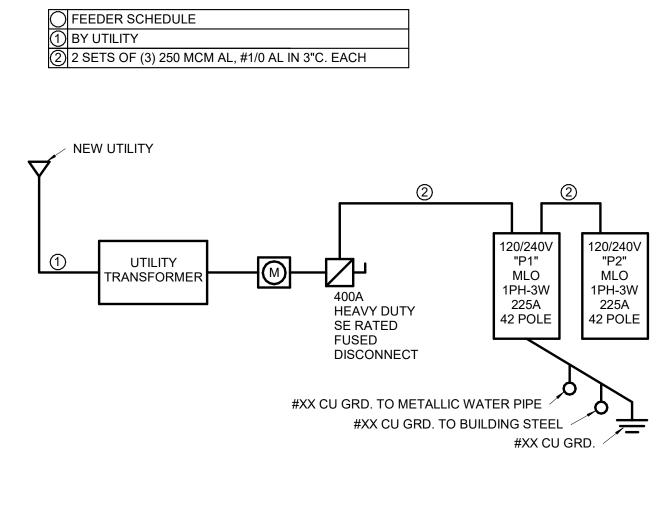
14	15	16	17	18	19	20	SHEET N SHEET N SHAFT LIGHTING SHAFT LIGHTING SHAFT TO FIRST
							 SPACE. 3. PARTIAL LIGHTIN PLAN FOR CONT 4. PROVIDE CEILIN PROVIDE PATHY CONTROLS. REF SPECIFICATIONS
							GENERAL N A. REFER TO LIGHT REQUIREMENTS
							KEY PLAN:
							1 Event Center & Site reB No. H
							INCC 434 Ea 712 Ea
		$\langle 3 \rangle$	-20 © F6 o	O _{F6}			Benhan
							166 N MAIN ELECTRICA
	2 <u>SECONE</u> 1/4" = 1'-0"	D FLOOR LIGH	ITING PLAN ·	- NEW WORK	- VESTIBULE	_	RICHARD KIC
14	15	16	17	18	19	20	

NOTES: HOISTWAY ELECTRICAL DETAIL #1/E501 FOR ELEVATOR ITING REQUIREMENTS. FIRST FLOOR LIGHTING PLAN FOR CONTROLS IN THIS
GHTING CIRCUIT. REFER TO SECOND FLOOR LIGHTING CONTINUANCE. EILING FAN RATED JUNCTION BOX AND BRACING. ATHWAY TO FAN CONTROLLER ADJACENT TO LIGHTING . REFER TO HVAC PLANS FOR CEILING FAN
IONS.
NOTES
LIGHTING CONTROL DETAILS, SHEET E.E501, FOR ENTS.
N:
ite reBid 2023-11-21 Revisions / Submissions Date
NCORPORATED
34 East First Street Dayton, OH 45402 937.223.6500 12 East Main Street Richmond, IN 47374 765.966.3546
nham's Grove City of Centerville CLIENT BUILDING
am's Grove Event Center
IAIN ST, CENTERVILLE, OH 45459
ICAL LIGHTING PLAN - SECOND FLOOR
Comm. No. Date 22627.00 2023-11-21
Drawn Drawing No. ATD Checked E.E202
RLS Checked E.E.ZUZ RLS © 2020 LWC, INCORPORATED

	Branch Panel: P1 Location: STORAGE 1	03 Volts: 120/240 Single	A.I.C. Rating:	
	Location: STORAGE 1 Supply From: Mounting: Recessed Enclosure: Notes:	Volts: 120/240 Single Phases: 1 Wires: 3	A.I.C. Rating: Mains Type: MCB Mains Rating: 225 A MCB Rating: 225 A	
	CKT Circuit Description	Trip Poles A B F	Poles Trip Circuit Description CKT	
	1RCPT - KITCHEN COUNTER3RCPT - KITCHEN COUNTER5RCPT - KITCHEN COUNTER7RCPT - KITCHEN COUNTER9RCPT - KITCHEN COUNTER	Imp Poles A B I 20 A 1 540 1056 20 A 1 1200 1200 1200 20 A 1 1200 1200 20 A 1 1200 1200 20 A 1 1200 1500 20 A 1 1200 1200	1 15 A RCPT - ICE MAKER 2 1 20 A RCPT - KITCHEN COUNTER 4 1 20 A RCPT - KITCHEN COUNTER 6 1 20 A RCPT - KITCHEN COUNTER 8	
	11RCPT - KITCHEN COUNTER13RCPT - KITCHEN COUNTER15RCPT - BRIDAL COUNTER17RCPT - BRIDAL COUNTER	20 A 1 1200 1200 20 A 1 1200 1200 1200 20 A 1 1200 180 180 20 A 1 180 180 180	1 20 A RCPT - KITCHEN COUNTER 12 1 20 A RCPT - KITCHEN COUNTER 14 1 20 A RCPT - BRIDAL COUNTER 16 1 20 A RCPT - BRIDAL COUNTER 18	
	19RCPT - GROOM ROOM21RCPT - RESTROOMS / CORRIDOR23RCPT - STORAGE25RCPT - EVENT SPACE FLOORBOX27RCPT - EVENT SPACE FLOORBOX	20 A 1 900 720 1 20 A 1 1080 900 20 A 1 360 1080 20 A 1 360 360 20 A 1 360 360	120 ARCPT - BRIDAL COUNTER20120 ARCPT - BRIDAL RR / MECH RM22120 ARCPT - RESTROOMS / MECH RM24120 ARCPT - BRIDAL / MECH RM / CORRIDOR26120 ARCPT - EVENT SPACE FLOORBOX28	
	29RCPT - EVENT SPACE FLOORBOX31RCPT - EVENT SPACE FLOORBOX33RCPT - EVENT SPACE FLOORBOX35RCPT - EVENT SPACE FLOORBOX37RCPT - EXTERIOR	20 A 1 360 360 20 A 1 360 360 360 20 A 1 360 360 20 A 1 360 360 20 A 1 360 360 20 A 1 360 360 20 A 1 360 360	120 ARCPT - EVENT SPACE FLOORBOX28120 ARCPT - EVENT SPACE FLOORBOX30120 ARCPT - EVENT SPACE FLOORBOX32120 ARCPT - EVENT SPACE FLOORBOX34120 ARCPT - EVENT SPACE FLOORBOX36120 ARCPT - EVENT SPACE FLOORBOX36	
	 39 RCPT - EXTERIOR POLES 41 RCPT - EXTERIOR POLES 43 RCPT - EXTERIOR POLES 45 SPARE 47 SPARE 	20 A 1 540 360 20 A 1 360 0 1 20 A 1 0 360 0 20 A 1 0 0 1 20 A 1 0 0 1 20 A 1 0 0 1	1 20 A RCPT - EVENT SPACE FLOORBOX 40 1 20 A SPARE 42 1 20 A SPARE 44 1 20 A SPARE 46 1 20 A SPARE 48	
	49SPARE51SPARE53SPARE	20 A 1 0 0	1 20 A SPARE 48 1 20 A SPARE 50 1 20 A SPARE 50 1 20 A SPARE 52 1 20 A SPARE 52 1 20 A SPARE 54	
	Legend: Load Classification	Connected Load Demand Factor Estimated		
	Kitchen Equipment - Non-Dwelling Unit Receptacle	16296 VA 65.00% 10592 12600 VA 89.68% 11300		
	Notes:			

15	16	17	18	19	20	21	22

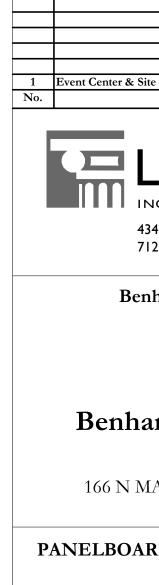
lotes:	Branch Panel: P2 Location: STORAGE 103 Supply From: Mounting: Recessed Enclosure:				Volts: Phases: Wires:		Single			A.I.C. Rating: Mains Type: MCB Mains Rating: 225 A MCB Rating: 225 A		
скт	Circuit Description	Trip	Poles		A		В	Poles	Trip	Circuit Desc	cription	скт
1	CU-1	40 A	2	3360	3360			2	40 A	CIICUIT Desc		2
3				0000	0000	3360	3360					4
5	CU-3	40 A	2	3132	2112	0000		2	25 A	CU-4		6
7	-					3132	2112					8
9	FUR-1	20 A	1	1440	1440			1	20 A	FUR-2		10
11	FUR-3	20 A	1			1548	1176	1	15 A	FUR-4		12
13	ERV-1	25 A	1	2436	1152			1	20 A	SP-1		14
15	WH-1 / WH-2	20 A	1			480	705	1	20 A	LTG - FIRST FLOOR		16
17	LTG - IN-GRADE UPLIGHTING	20 A	1	976	675			1	20 A	LTG - SECOND FLOOR		18
19	LTG - OUTDOOR STRING LIGHT	20 A	1			456	1098	1	20 A	LTG - EVENT SPACE - EAS		20
21	LTG - EVENT SPACE - CENTRAL	20 A	1	1021	876			1	20 A	LTG - EVENT SPACE - WES	ST	22
23	LTG - EXTERIOR	20 A	1			539	20	1	20 A	LTG - EXIT SIGNS		24
25	LTG / RCPT - ELEVATOR HOISTWAY	20 A	1	360	180			1	20 A	LTG - ELEVATOR CAB		26
27	RCPT - ELEVATOR CAB	20 A	1			180	2000	2	60 A	ELEVATOR		28
29	EVENT SPACE CEILING FANS	20 A	1	1080	2000							30
31	RCPT - EXTERIOR MAINTENANCE	20 A	1			540	666	1	20 A	LTG - PARKING LOT POLE	S AND BOLLARDS	32
33												34
35	00105									00405		36
37	SPARE	20 A	1	0	0			1	20 A	SPARE		38
39	SPARE	20 A	1			0	0	1		SPARE		40
41	SPARE	20 A		0	0	04.00		1	20 A	SPARE		42
			otal Load: tal Amps:		00 VA 3 A		07 VA 8 A					
	assification	Connec	ted Load		emand Fa	ctor	Estimat	ed Demano	d	Panel	Totals	
levator			0 VA		100.00%			00 VA				
IVAC			88 VA		100.00%			988 VA		Total Conn. Load:		
/lotor		115	2 VA		125.00%)		40 VA		Total Est. Demand:		
Other			VA		0.00%) VA		Total Conn.:		
Receptacle			0 VA		100.00%)		40 VA		Total Est. Demand:	197 A	
ighting		733	1 VA		100.00%)	73	31 VA				
lotes:												



1 1/2" = 1'-0"

18

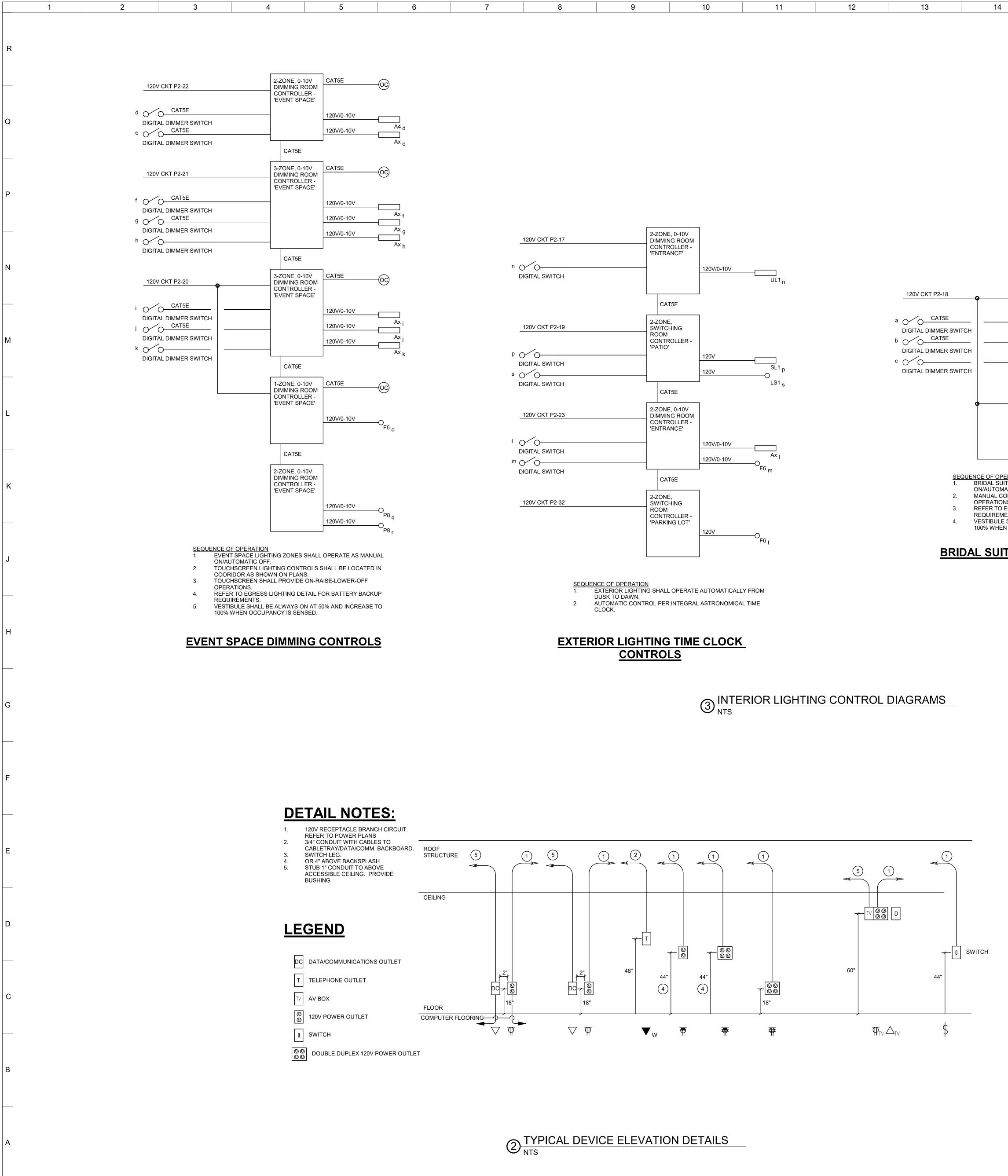
19 20





14 15 16 17

	Event Center & Site reBid				2023-11-21	
0.	Revisio	ons / Subm	issions		Date	
	LWC INCORPORATED434 East First Street 712 East Main StreetDayton, OH 45402 Richmond, IN 47374937.223.6500 765.966.3546					
	Benham's CLI Benham's 166 N MAIN ST	ent e Grov	BUILDIN	ig nt Cen		
P /	ANELBOARD SCI	HEDU DIAG		D SINGLI	E LINE	
	ALLISTINIIIIIII	Comm. N	lo.	Date		
	TATE OF ON THE		22627.00		2023-11-21	
	RICHARD	Drawn		Drawing No.		
*	SIMPKINTS II *			0		
PP	1. 169387 6.5		ATD			
K		Checked	RLS	E.F	E401	
			© 2020 LWC	, INCORPOR	ATED	
				,		



i <u>CAT5E</u> DIGITAL DIMMER SWITCH	Ax g Ax h CAT5E CAT5E 3-ZONE, 0-10V DIMMING ROOM CONTROLLER - 'EVENT SPACE' 120V/0-10V Ax i	120V CKT P2-17 120V CKT P2-17 120V CKT P2-17 120V/0-10V UL1 n 120V/0-10V UL1 n 120V CKT P2-19 120V CKT P2-19	120V CKT P2-18 a CAT5E CAT5E CAT5E CAT5E CAT5E CAT5E	 MANUAL SWITCHES SHALL VISUALLY INDICATE LOCA WHILE OFF. MANUAL SWITCHES SHALL PROVIDE ON-RAISE-LOWE OPERATIONS. TYPICAL OCCUPANCY SENSOR W <u>DIGITAL DIMMER SWITCH</u>	/ER-OFF
bigital dimmer switch	CAT5E CAT5E 1-ZONE, 0-10V DIMMING ROOM CONTROLLER - 'EVENT SPACE' 120V/0-10V F6 o	P O DIGITAL SWITCH S O DIGITAL SWITCH 120V SL1 p 120V LS1 s 120V LS1 s 120V CKT P2-23 120V CKT P2-23 120V CKT P2-23	DIGITAL DIMMER SWITCH CAT5E DIGITAL DIMMER SWITCH COMPAC DIGITAL DIMMER SWITCH DIGITAL DIMMER SWITCH DIGITAL DIMMER SWITCH COMPAC CONTHE CONT	ER ROOM TROLS PER IS	
SEQUENCE O	CAT5E 2-ZONE, 0-10V DIMMING ROOM CONTROLLER - 'EVENT SPACE' 120V/0-10V 120V/0-10V P8 q 120V/0-10V P8 r	Image: state	EXITS SEQUENCE OF OPERATION 1. BRIDAL SUITE LIGHTING ZONES SHALL OPERATE AS MANUAL ON/AUTOMATIC OFF. 2. MANUAL CONTROLS SHALL PROVIDE ON-RAISE-LOWER-OFF OPERATIONS. 3. REFER TO EGRESS LIGHTING DETAIL FOR BATTERY BACKUP REQUIREMENTS. 4. VESTIBULE SHALL BE ALWAYS ON AT 50% AND INCREASE TO 100% WHEN OCCUPANCY IS SENSED. BRIDAL SUITE DIMMING CONTROLS	SIGNS SIGNS SEQUENCE OF OPERATION LIGHTING SHALL OPERATE AS AUTOMATIC ON/AUTOI OFF. TYPICAL OCCUPANCY SENSOR CONTROLS	
	PACE DIMMING CONTROLS	EXTERIOR LIGHTING TIME CLOCK CONTROLS	CONTROL DIAGRAMS		
	DETAIL NOTES: 1. 120V RECEPTACLE BRANCH CIRCUIT. REFER TO POWER PLANS 2. 3/4" CONDUIT WITH CABLES TO CABLETRAY/DATA/COMM. BACKBOARD. 3. SWITCH LEG. 3. SWITCH LEG. 4. OR 4" ABOVE BACKSPLASH 5. STUB 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE BUSHING LEGENDE		LIGHT SWITCH AND GFI RECEPTACLE WITH WEATHERPROOF COVER	21W LINEAR VAPOR TIGHT LED LIGHT FIXTURE. COLUMBIA #LXEM2-50VW-RFA-EU.	1 Event Center & Site reBid No. Revisions / S FFF LVCC INCORPORAT 434 East First Stre 712 East Main Stre
	1. 120V RECEPTACLE BRANCH CIRCUIT. REFER TO POWER PLANS 2. 3/4" CONDUIT WITH CABLES TO CABLETRAY/DATA/COMM. BACKBOARD. 3. SWITCH LEG. 4. OR 4" ABOVE BACKSPLASH 5. STUB 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE BUSHING CEILING. CEILING DC DATA/COMMUNICATIONS OUTLET T TELEPHONE OUTLET T TELEPHONE OUTLET T AV BOX		LIGHT SWITCH AND GFI RECEPTACLE WITH WEATHERPROOF COVER UIGHT SWITCH B0" TT A	RGS 8 3/4" RIGID STEEL CONDUIT	No. Revisions / S

_____ CONTROLLER O CAT5E 120V/0-10V B1/B2 (REFER TO DWGS) DIGITAL DIMMER SWITCH CAT5E

120V LTG CKT (REFER TO PLANS) 1-ZONE, 0-10V DIMMING ROOM CAT5E -00

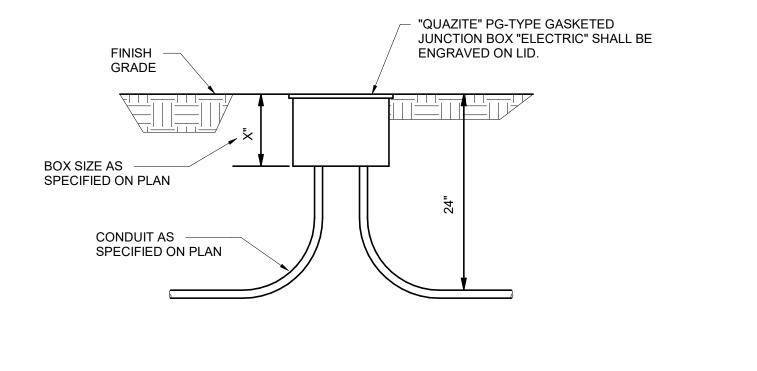
CLIENT BUILDING							
a m's Grove Event Center 1AIN ST, CENTERVILLE, OH 45459							
ELEC	TRICAL DETA	ILS					
· .	Comm. No.	Date					
AIIO MA	22627.00	2023-11-21					
	Drawn	Drawing No.					
	Author						
	Checked	E.E501					
	Checker						
	© 2020 LWC	, INCORPORATED					

Site reBid 2023-11-21 Date **Revisions / Submissions** LWC INCORPORATED 434 East First StreetDayton, OH 45402937.223.6500712 East Main StreetRichmond, IN 47374765.966.3546

EXIT SIGNS AND EMERGENCY LIGHTS

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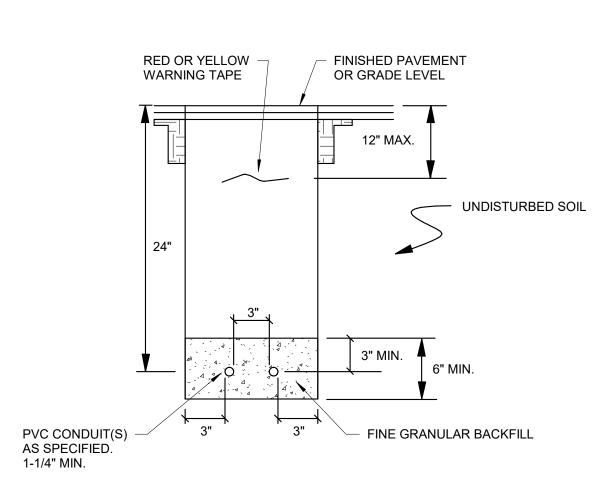
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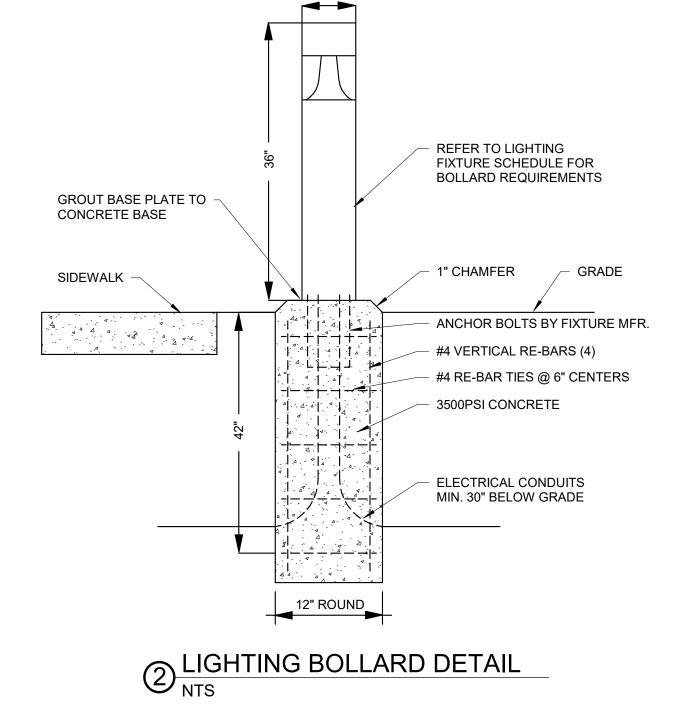
3 JUNCTION BOX DETAIL

10' - 0" x 3/4" -----COPPER CLAD GROUND ROD

BRANCH CIRCUIT UNDERGROUND CONDUITS NTS



"BUSS" 600V, WATERTIGHT, INLINE FUSE HOLDERS. FUSE	
#10 GND UP TO FIXTURE(S)	
LIGHT POLE H6 BARE COPPER GROUND WIRE IN 1/2" PVC CONDUIT BASE PLATE COVER	
GROUND LUG INSIDE POLE 1" CHAMFER 1" CHAMFER DO NOT GROUT. GAP BETWEEN CONCRETE AND BASE PLATE SHALL BE GREATER THAN 1/2" AND LESS THAN OR EQUAL TO 1".	
GRADE LEVEL 1'-0"	1 Event Center & Site reBid 2023-11-21 No. Revisions / Submissions Date
CADWELD CONNECTION	A34 East First Street 712 East Main Street Richmond, IN 47374 765.966.3546
10' - 0" x 3/4" COPPER CLAD GROUND ROD	Benham's Grove City of Centerville CLIENT BUILDING
 DETAIL NOTES: 1. CONCRETE SHALL BE 4000 PSI AT 24 DAYS WITH 6% AIR ENTRAINMENT. 2. DO NOT PAINT BASE, SACK RUB FINISH. 	Benham's Grove Event Center 166 N MAIN ST, CENTERVILLE, OH 45459
D PARKING LOT POLE BASE	SITE ELECTRICAL DETAILS
	RICHARD 22627.00 2023-11-21 RICHARD Drawn Drawing No. SIMPKINS II ATD Checked Checked RLS E.E502



8 7/16"

IAIN ST, CENTERVILLE, OH 45459		
TE ELECTRICAL DETAILS		
10	Comm. No.	Date
	22627.00	2023-11-21
	Drawn	Drawing No.
	ATD	
	Checked	E.E502
	RLS	
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