NEW PAVILION FOR

ORANGE PARK MALL AMPHITHEATER AT THE GROVE

1910 WELLS ROAD
ORANGE PARK, FLORIDA

THOMAS DUKE ARCHITECT, PA

2345 HARPER STREET
JACKSONVILLE, FLORIDA 32204
(904) 356-3335
FL. LIC. # AA 26001414

STRUCTURAL ENGINEER

LOWE STRUCTURES, INC.

11651 CENTRAL PARKWAY, SUITE 106

JACKSONVILLE, FLORIDA 32224

(904) 469-3881

ARCHITECTURAL

	A-0.1	GENERAL NOTES, ABBREVIATIONS, VICINITY MAP
	A-0.2	CODE SUMMARY AND LIFE SAFETY PLAN
	A-1.O	ARCHITECTURAL SITE PLAN PHASE I
	A-1.01	SITE PHOTOMETRIC PLAN
	A-1.1	PAVILION FLOOR PLAN
	A-1.2	RESTROOM FLOOR PLAN
	A-1.3	PAVILION REFL. CLG. AND ROOF PLANS
	A-1.4	RESTROOM REFL. CLG. AND ROOF PLANS
	A-2.0	PAVILION ELEVATIONS
	A-2.1	RESTROOM ELEVATIONS
	A-3.0	PAVILION SECTIONS
	A-3.1	PAVILION RAMP SECTIONS
	A-3.2	RESTROOM SECTIONS
/	A-4.0	ENLARGED RESTROOM PLANS, ELEVATIONS, DETAILS

MECHANICAL AND ELECTRICAL ENGINEER

SHAFFER ENGINEERING GROUP, LLC 12058 SAN JOSE BLVD, SUITE 502 JACKSONVILLE, FL 32223 904-239-3621 EXT 101

STRUCTURAL

S-0.1	GENERAL NOTES & DESIGN CRITERIA
S-0.2	WIND PRESSURE DIAGRAM 3D ISOMETRICS
S-1.1	PAVILION FOUNDATION PLAN
S-1.2	PAVILION ROOF FRAMING PLAN
S-1.3	RESTROOM FOUNDATION AND ROOF FRAMING PLAN
S-2.1	SECTIONS & DETAILS
S-2.2	SECTIONS & DETAILS
S-2.3	SECTIONS & DETAILS
S-2.4	SECTIONS & DETAILS

PLUMBING ENGINEER

OSSI+MYLER CONSULTING ENGINEERS 1650-302 MARGARET ST, #146 JACKSONVILLE, FLORIDA 32204 (904) 381-8946

ELECTRICAL

E-1.0	ELECTRICAL LEGEND, NOTES & SO	CHEDULE
E-2.0	ELECTRICAL SITE PLAN	
E-3.0	PAVILION ELECTRICAL PLAN	
E-4.0	RESTROOMS ELECTRICAL PLAN	/
E-5.0	ELECTRICAL DETAILS	
E-6.0	ELECTRICAL SPECIFICATION	
		/

PLUMBING

P-1.1	SCHEDULE & DETAILS - PLUMBING
P-2.1	FLOOR PLAN - PLUMBING

PERMIT SET
RELEASED FOR CONSTRUCTION: 8 JUNE 2021

ABBREVIATIONS

NOTE: CLARIFY WITH ARCHITECT ALL

∖B.	ANCHOR BOLT	ELEV.	ELEVATION	I.D.	INSIDE DIAMETER	R.	RISER
\CT	ACOUSTICAL CEILING TILE	EMER	EMERGENCY	INSUL.	INSULATION	R.D.	ROOF DRAIN
۱.F.F.	ABOVE FINISHED FLOOR	ENCL.	ENCLOSURE	INT.	INTERIOR	RE:	REFER TO
AGGR.	AGGREGATE	EQ.	EQUAL			REFR.	REFRIGERATOR
۸L.	ALUMINUM	EQUIP.	EQUIPMENT	JAN.	JANITOR	REINF.	REINFORCED
ALT.	ALTERNATE	E.W.	EACH WAY	JNT.	JOINT	REQ'D.	REQUIRED
APPROX.	APPROXIMATE	E.W.C.	ELECTRIC WATER COOLER	JST.	JOIST	RM	ROOM
ARCH.	ARCHITECTURAL	EXP.	EXPANSION			R.M.O.	ROUGH MASONRY OPENIN
3D.	BOARD	EXT.	EXTERIOR	KIT.	KITCHEN	R.O.	ROUGH OPENING
BLDG.	BUILDING	F.A.	FIRE ALARM	LAB.	LABORATORY	S	SOUTH
BLK	BLOCK	F.D.	FLOOR DRAIN	LAM.	LAMINATE	S.C.	SOLID CORE
LK'G.	BLOCKING	F.D.C.	FIRE DEPARTMENT CONNECTION	LAV.	LAVATORY	SCHED.	SCHEDULE
3M.	BEAM	FDN.	FOUNDATION	LT.	LIGHT	SECT.	SECTION
30T.	BOTTOM	F.E.	FIRE EXTINGUISHER	L 1.	LIGHT	S.F.	SQUARE FOOT
BETWEEN	BETWEEN	F.E.C.	FIRE EXTINGUISHER CABINET	MAX.	MAXIMUM	SHT.	SHEET
3.U.R.	BUILT UP ROOFING	F.F.	FINSH FLOOR	MECH.	MECHANICAL	SIM.	SIMILAR
3.W.	BOTH WAYS	F.H.C.	FIRE HOSE CABINET	MEMB.	MEMBRANE	SPEC.	SPECIFICATION
J. V V .	BOTTWATO	FIN.	FINISH			SQ. OR 中	SQUARE
C.J.	CONTROL JT.	F.L.	FLOW LINE	MFR.	MANUFACTURER MANHOLE	S.S.	STAINLESS STEEL
CLG.	CEILING	FLR.	FLOOR	M.H.		STAGG.	STAGGERED
CLKG.	CAULKING	FLUOR.	FLUORESCENT	MIN.	MINIMUM	STAGG. STD.	STANDARD
CLR.	CLEAR	FND.	FOUNDATION	MISC.	MISCELLANEOUS	STIFF	STIFFENER
C.M.U.	CONCRETE MASONRY UNIT	F.O.B.	FACE OF BRICK	M.O.	MASONRY OPENING	STL.	STEEL
COL.	COLUMN	F.O.C.	FACE OF CONCRETE	M.r.o.	MASONRY rough O.	STRUC.	STRUCTURAL
CONC.	CONCRETE	F.S.	FULL SIZE	MTL.	METAL		
CONN.	CONNECTION	FT.	FOOT OR FEET	MUL.	MULLION	SUSP.	SUSPENDED
CONSTR.	CONSTRUCTION	FTG.	FOOTING	N	NORTH	TD	TDEAD
CONT.	CONTINUOUS	FURR.	FURRING	N.I.C.	NOT IN CONTRACT	TR	TREAD
D.T.	CERAMIC TILE			NO.	NUMBER	T & B	TOP AND BOTTOM
5.11.	OLIV WING TILL	GA.	GAUGE	NOM.	NOMINAL	TER.	TERRAZZO
DEG.	DEGREE	GALV.	GALVINIZED	N.T.S.	NOT TO SCALE	T & G	TONGUE & GROOVE
DET./DTL.	DETAIL	G.C.	GENERAL CONTRACTOR			THK.	THICK
DE1./D1L. D.F.	DRINKING FOUNTAIN	G.L.	GLASS	O.C.	ON CENTER	T/	TOP OF
DIAG.	DIAGONAL	GR.	GRADE	O.D.	OUTSIDE DIAMETER	TYP.	TYPICAL
DIAG. DIA.	DIAMETER	GYP.	GYPSUM	OH.	OVERHEAD	T.O.W.	TOP OF WALL
	DOWN	GYP. BD.	GYPSUM BOARD	OPG.	OPENING	T.O.C.	TOP OF CONCRETE
ON.	DOWN	G.W.B.	GYPSUM WALL BOARD	OPP.	OPPOSITE	T.O.S.	TOP OF STEEL
DS DWG	DRAWING					U.N.O.	UNLESS NOTED OTHERWIS
JVVG.	DRAWING	H.B.	HOSE BIBB	PCT.	PRE-CAST	SS.	
=	EAST	H.C.	HOLLOW CORE	P.L.	PROPERTY LINE	VCT	VINYL COMPOSTION TILE
	EXISTING	H/C	HANDICAPPED	P.LAM.	PLASTIC LAMINATE	VER	VERIFY
(E) EA.	EACH	HDWD.	HARDWOOD	PLAS.	PLASTER	VERT.	VERTICAL
Ξ.J.	EXPANSION JOINT	HDWE.	HARDWARE	PLYWD.	PLYWOOD	W	WEST
=.J. E.I.F.S.	EXPANSION JOINT EXTERIOR INSULATION	H.M.	HOLLOW METAL	PR.	PAIR	W/	WITH
I.I.F.O.	AND FINISH SYSTEM	HR.	HOUR				
=1 =1=1/		HT.	HEIGHT	Q.T.	QUARRY TILE	W.C.	WATER CLOSET
L. ELEV.	ELEVATION ELECTRICAL	HVAC	HEATING, VENTILATION AND			WD.	WOOD
LEC.	ELECTRICAL		AIR CONDITIONING			W/O	WITHOUT
						<u> </u>	CENTERLINE
						ዊ	PLATE

GENERAL NOTES

BY THE CONTRACT DOCUMENTS.

1. ALL CONTRACTORS SHALL FULLY INVESTIGATE THE JOB SITE TO COMPARE THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS RELATING TO CONSTRUCTION OF NEW WORK AND LABOR. THE CONTRACTOR SHALL INCLUDE COST FOR ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS AND REQUIRED OR IMPLIED BY EXISTING CONDITIONS. THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE, AND LATER CLAIMS FOR LABOR. EQUIPMENT, OR MATERIAL REQUIRED OR FOR DIFFICULTIES ENCOUNTERED, WHICH WOULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE, WILL NOT BE RECOGNIZED.

2. THE CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN THE CONSTRUCTION PLANS AND EXISTING CONDITIONS. THE CONTRACTOR SHALL ALSO NOTIFY THE ARCHITECT OF ANY OMISSION OR CONFLICT IN THE DRAWINGS AND ANY RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK. ALL CONFLICTS SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF ANY WORK.

3. THE CONTRACTORS SHALL THOROUGHLY REVIEW THE EXISTING CONDITIONS TO IDENTIFY THE IMPACT ON ANY EXISTING FUNCTION, AND SHALL COORDINATE HIS WORK SCHEDULES PRIOR TO COMMENCEMENT OF NEW WORK WITH

4. THE CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR, AND HAVE CONTROL OVER, ALL CONSTRUCTION MEANS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK REQUIRED

5. UNLESS SPECIFICALLY NOTED TO THE CONTRARY, ALL NEW WORK IS IN CONTRACT. CONTRACTORS SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY TO COMPLETE THE PROJECT OUTLINED ON THIS SET OF PLANS OR REASONABLY INFERABLE FROM THEM.

6. THE CONTRACTORS SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES AND REQUIREMENTS.

7. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BY THE LOCAL AUTHORITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY VARIANCE WITH CODES IN FORCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK.

8. ALL CONTRACTORS SHALL PROVIDE AND MAINTAIN PROPER AND SAFE WORKING CONDITIONS AT ALL TIMES INCLUDING BUT NOT LIMITED TO APPROPRIATE TOOLS, EQUIPMENT, SCAFFOLDING, SHORING, ETC.

9. NO SUBSTITUTION OF MATERIALS AND/OR CONSTRUCTION ITEMS SPECIFIED WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT. ALTERNATE EQUAL MANUFACTURERS WILL BE CONSIDERED UP TO 10 DAYS PRIOR TO BID, SO AN ADDENDUM CAN BE ISSUED. IF ITEM IS NOT APPROVED BY

WRITTEN ADDENDUM, IT WILL NOT BE ACCEPTED. 10. SUBSTITUTIONS WILL BE ALLOWED WHEN THE SPECIFIED ITEMS CANNOT BE OBTAINED WITHIN THE CONTRACT TIME. SPECIFIED ITEMS ARE TO BE USED AS A GUIDELINE FOR DESIGN. SAMPLES ARE TO BE SUBMITTED TO THE ARCHITECT

FOR APPROVAL BEFORE SUBSTITUTION. 11. EXTRA COSTS: THE OWNER'S WRITTEN AUTHORIZATION MUST BE OBTAINED PRIOR TO THE ORDERING OF ANY MATERIALS, CONTRACTS, OR THE EXECUTION

OF ANY WORK IN EXCESS OF ORIGINAL CONTRACT. 12. ALL ADJACENT WORK SHALL BE PROTECTED FROM DAMAGE CAUSED BY THIS WORK. ANY RECURRENT DAMAGE IS THE FINANCIAL RESPONSIBILITY OF THE

13. THE CONTRACTOR SHALL KEEP THE PROJECT SITE REASONABLY CLEAN AND FREE FROM HAZARDS AT ALL TIMES. ALL EXISTING EGRESS REQUIREMENTS ARE TO BE MAINTAINED. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS. BROOM CLEAN THE ENTIRE PROJECT AREA, AND LEAVE THE SITE IN A REASONABLY CLEAN CONDITION DAILY, IN THE JUDGMENT OF THE BUILDING

14. TWO (2) WEEKS PRIOR TO COMPLETION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT TO COMPLETE A PUNCH LIST OF CORRECTIONS.

15. ALL WORK SHALL COMPLY WITH GOOD TRADE PRACTICE, REGULATIONS OF THE CITY, STATE AND FEDERAL GOVERNMENT AGENCIES HAVING

16. CONTRACTOR SHALL INCLUDE IN BID THE REMOVAL OF DEBRIS AND CLEANING AFTER ALL FINISH TRADES.

17. CONTRACTOR TO PREPARE ALL FLOORS FOR NEW FLOOR FINISHES AS

18. VERIFY ALL DIMENSIONS IN THE FIELD. DO NOT SCALE DRAWINGS; DIMENSIONS GOVERN. LARGE SCALE DETAILS GOVERN OVER SMALL SCALE

19. SUBMIT FOR ARCHITECT'S REVIEW AND CONSIDERATION ALL BUILDING SAMPLES, PRODUCT LITERATURE AND OTHER PERTINENT DATA OF ANY PROPOSED SUBSTITUTIONS.

20. SUBMIT FOR ARCHITECT'S REVIEW PRIOR TO FABRICATION OR PURCHASE, SHOP DRAWINGS, OR SAMPLES FOR ALL MILLWORK, CUSTOM METAL WORK, INCLUDING CABINETRY, GLASS WALLS AND DOOR ASSEMBLIES AND ALL OTHER ITEMS AS REQUIRED IN THE CONTRACT DOCUMENTS.

21. CONTRACTOR SHALL DO ALL CUTTING, FITTING AND PATCHING WORK THAT MAY BE REQUIRED TO MAKE ALL PARTS OF THE PROJECT COME TOGETHER

22. PROVIDE AND INSTALL ALL PARTITION DOORS AND BUCKS DESIGNATED ON

23. PROVIDE SUFFICIENT FRAMING FOR ALL WALL OPENINGS REQUIRED BY DUCTWORK AND RETURN AIR, BOTH ABOVE AND BELOW HUNG CEILING. THESE ARE TO BE COORDINATED WITH HVAC ALTERATION DRAWINGS.

24. ALL PARTITIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR DEFLECTIONS NOT TO EXCEED

25. CONTRACTOR SHALL REFER TO PARTITION TYPES FOR ACTUAL WALL

26. ALL DIMENSIONS SHOWN ARE FACE OF STUD OR MASONRY, UNLESS

27. THE CONTRACTOR SHALL PROVIDE AND INSTALL BRACING AND BLOCKING AS REQUIRED TO SUPPORT ANY WALL-MOUNTED FIXTURES, SHELVING, COUNTER TOPS, CABINETS, ETC. ALL WOOD BLOCKING OR BRACING SHALL BE PRESSURE TREATED, FIRE RETARDANT IN EXTERIOR WALLS AS REQUIRED.

28. DIMENSIONS NOTED "+/-" ARE THE ONLY DIMENSIONS ADJUSTABLE WITHOUT APPROVAL OF THE ARCHITECT.

29. THE CONTRACTOR SHALL PROVIDE AND INSTALL FIRE EXTINGUISHER CABINET EQUIVALENT TO LARSEN ARCHITECTURAL SERIES SQUARE TRIM SEMI RECESSED FULL GLASS CABINET WITH TYPE 3A:10B:C. FIRE EXTINGUISHER, COLOR ALUMINUM. ALL EXTINGUISHERS SHALL BE SURFACE MOUNTED AT A HEIGHT OF 48" ABOVE THE FINISHED FLOOR (TOP OF CABINET).

30. ALL BUILDING COMPONENTS BELONG TO THE LANDLORD. COORDINATE DEMOLITION, REMOVAL AND STORAGE OF ALL MILLWORK, DOOR FRAMES AND

31. CONTRACTOR SHALL INSPECT EXISTING DEMISING WALLS FOR ALL PENETRATIONS AND SEALS. RETRO FIT ANY PENETRATIONS NOT CONFORMING TO U.L. LISTINGS FOR WALLS AS RATED ON PLAN

32. CONTRACTOR SHALL CONTROL NOISE PRODUCING ITEMS (STEREOS) AND MAINTAIN @ APPROPRIATE LEVELS AT ALL TIMES. FOUL LANGUAGE, ABUSIVE TALK, AND INAPPROPRIATE BEHAVIOR SHALL NOT BE TOLERATED.

33. ALL WORK AND MATERIALS USED TO ACCOMPLISH DESIGNATED WORK SHALL BE COORDINATED WITH CONTRACTOR, TENANT REPRESENTATIVE (WHEN APPLICABLE) AND BUILDING OWNER REPRESENTATIVE WITH RESPECT TO DELIVERY AND STORAGE.

34. CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK AT ANY TIME WITHOUT APPROVED CONTRACT DOCUMENTS. 35. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ARCHITECTURAL,

MECHANICAL, TELEPHONE, ELECTRICAL (INCLUDING LIGHTING), AND PLUMBING SO TO ENSURE THAT REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE OF ALL EQUIPMENT ARE PROVIDED.

36. THIS SET OF DRAWINGS SHALL NOT BE COPIED IN WHOLE OR IN PART

WITHOUT PRIOR WRITTEN CONSENT FROM "ARCHITECT" 37. THIS SET OF DOCUMENTS ARE CONSIDERED AS ONE UNIT AND SHALL NOT BE CONSIDERED COMPLETE OR WHOLE IF DOCUMENTS ARE SEPARATED IN ANY

MANNER. DOCUMENTS SHALL NOT BE SEPARATED FOR THE PURPOSES OF

SUBMITTING A BID PROPOSAL OR FOR THE SEPARATE PHASE OF ANY

38. THESE DOCUMENTS ARE PREPARED FOR THE USE OF THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS AND IN NO WAY. EITHER IN WHOLE OR IN PART CONSTITUTE ANY DIRECTION OR INSTRUCTION TO ANY CONTRACTOR WITH REGARD TO CONSTRUCTION MEANS, METHODS OR TECHNIQUES. ARCHITECT DOES NOT INTEND TO EXPRESS ANY OPINION, DIRECTION OR INSTRUCTION OF ANY KIND WHATSOEVER AS TO THE MANNER IN WHICH THE

39. NOTICE OF DUTY OF COOPERATION: ACCEPTANCE OF THESE DRAWINGS AND SPECIFICATIONS CONSTITUTES AN AGREEMENT FOR FUTURE COOPERATION BETWEEN THE GENERAL CONTRACTOR AND DESIGN CONCEPTS. ALTHOUGH ARCHITECT AND IT'S CONSULTANTS HAVE PERFORMED THEIR SERVICES WITH DUE CARE AND DILIGENCE, THEY CANNOT GUARANTY PERFECTION. ANY AMBIGUITY OR DISCREPANCY IN THE USE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO ARCHITECT IMMEDIATELY, FAILURE TO COOPERATE SHALL BE SIMPLE NOTICE TO ARCHITECT AND SHALL RELIEVE ARCHITECT FROM RESPONSIBILITY FOR ALL CONSEQUENCES RESULTING THEREFROM. CHANGES MADE FROM THE DRAWINGS AND OR SPECIFICATIONS WITHOUT THE CONSENT OF ARCH- TECT, ARE UNAUTHORIZED AND SHALL RELIEVE ARCHITECT OF ANY RESPONSIBILITY FOR ALL CONSEQUENCES ARISING OUT OF SUCH CHANGE(S).

40. EACH CONTRACTOR AND SUBCONTRACTOR PARTICIPATING IN THE CONSTRUCTION OF THIS "TENANT'S SPACE" SHALL BE DULY LICENSED AND EACH CONTRACT SHALL CONTAIN THE GUARANTEE OF THE CONTRACTOR AND THE SUBCONTRACTOR FOR THE PORTION OF THE TENANT'S WORK.

41. THESE DOCUMENTS ARE THE PROPERTY OF ARCHITECT AND TENANT. NO PART OF THESE DOCUMENTS (DRAWINGS AND SPECIFICATIONS) SHALL BE USED FOR ANY OTHER PROJECT EXCEPT FOR THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF "ARCHITECT".

1. GENERAL: EXECUTE CLEANING DURING PROGRESS OF THE WORK, AND AT COMPLETION OF THE WORK, AS REQUIRED BY GENERAL CONDITIONS.

2. DISPOSAL REQUIREMENTS: CONDUCT CLEANING AND DISPOSAL OPERATIONS TO COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, REGULATIONS, AND ANTI-POLLUTION LAWS.

3. PRODUCTS: USE ONLY THOSE CLEANING MATERIALS WHICH WILL NOT CREATE

HAZARDS TO HEALTH OR PROPERTY, AND WHICH WILL NOT DAMAGE SURFACES.

USE ONLY THOSE CLEANING MATERIALS AND METHODS RECOMMENDED BY THE MANUFACTURER OF THE SURFACE MATERIAL TO BE CLEANED. USE CLEANING MATERIALS ONLY ON SURFACES RECOMMENDED BY THE CLEANING MATERIAL 4. EXECUTION: THE GENERAL CONTRACTOR AND SUB-TRADES SHALL EXECUTE PERIODIC CLEANING TO KEEP THE WORK, THE SITE, AND ADJACENT PROPERTIES

FREE FROM ACCUMULATIONS OF WASTE MATERIALS, RUBBISH, AND DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS. PROVIDE ON-SITE CONTAINERS FOR THE COLLECTION OF WASTE MATERIALS, DEBRIS, AND RUBBISH. REMOVE WASTE MATERIALS, DEBRIS, AND RUBBISH FROM THE SITE PERIODICALLY, AND DISPOSE OF AT LEGAL DISPOSAL AREAS AWAY FROM THE SITE.

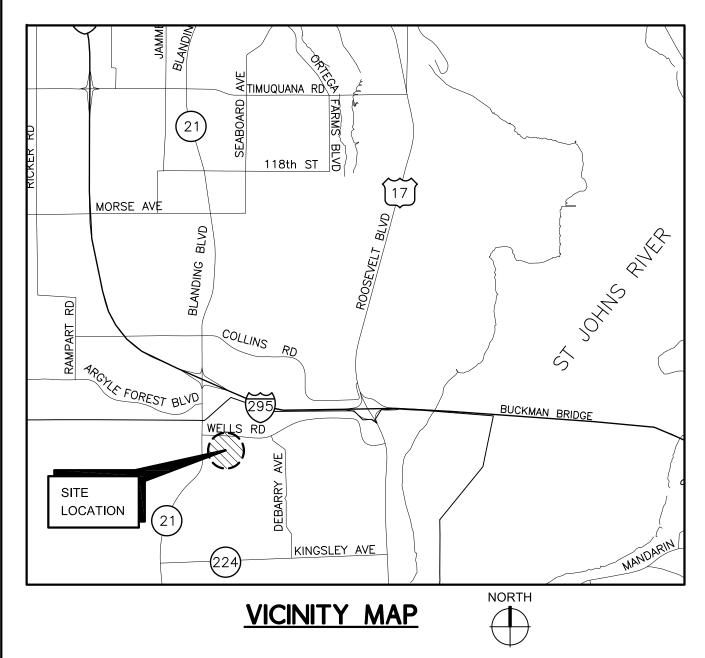
5. DUST CONTROL: CLEAN INTERIOR SPACES PRIOR TO THE START OF FINISH PAINTING, AND CONTINUE CLEANING ON AN AS-NEEDED BASIS UNTIL PAINTING IS FINISHED. SCHEDULE OPERATIONS SO THAT DUST AND OTHER CONTAMINANTS RESULTING FROM CLEANING PROCESS WILL NOT FALL ON WET, NEWLY-COATED

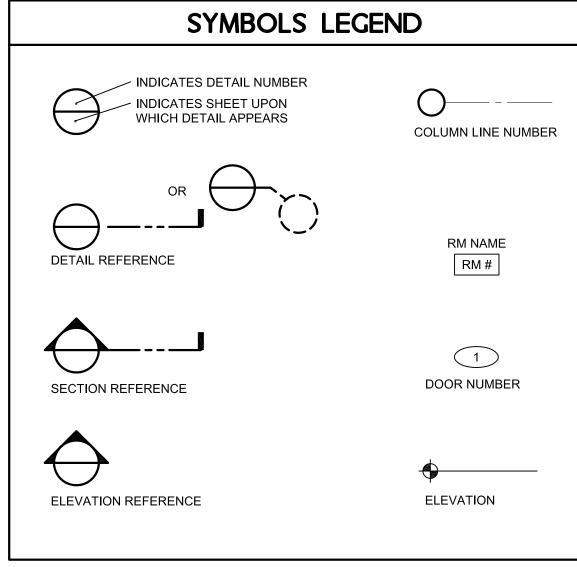
1. UPON COMPLETION OF WORK, CONTRACTOR WILL PROVIDE A BROOM CLEAN AND MOPPED DOWN SPACE. ALL NEW RUBBER BASE SHALL BE FREE OF CONSTRUCTION DUST, ALL CONVECTOR ENCLOSURES CLEANED DOWN AND FREE OF ALL SHOE MARKS AND MATERIAL FRAGMENTS.

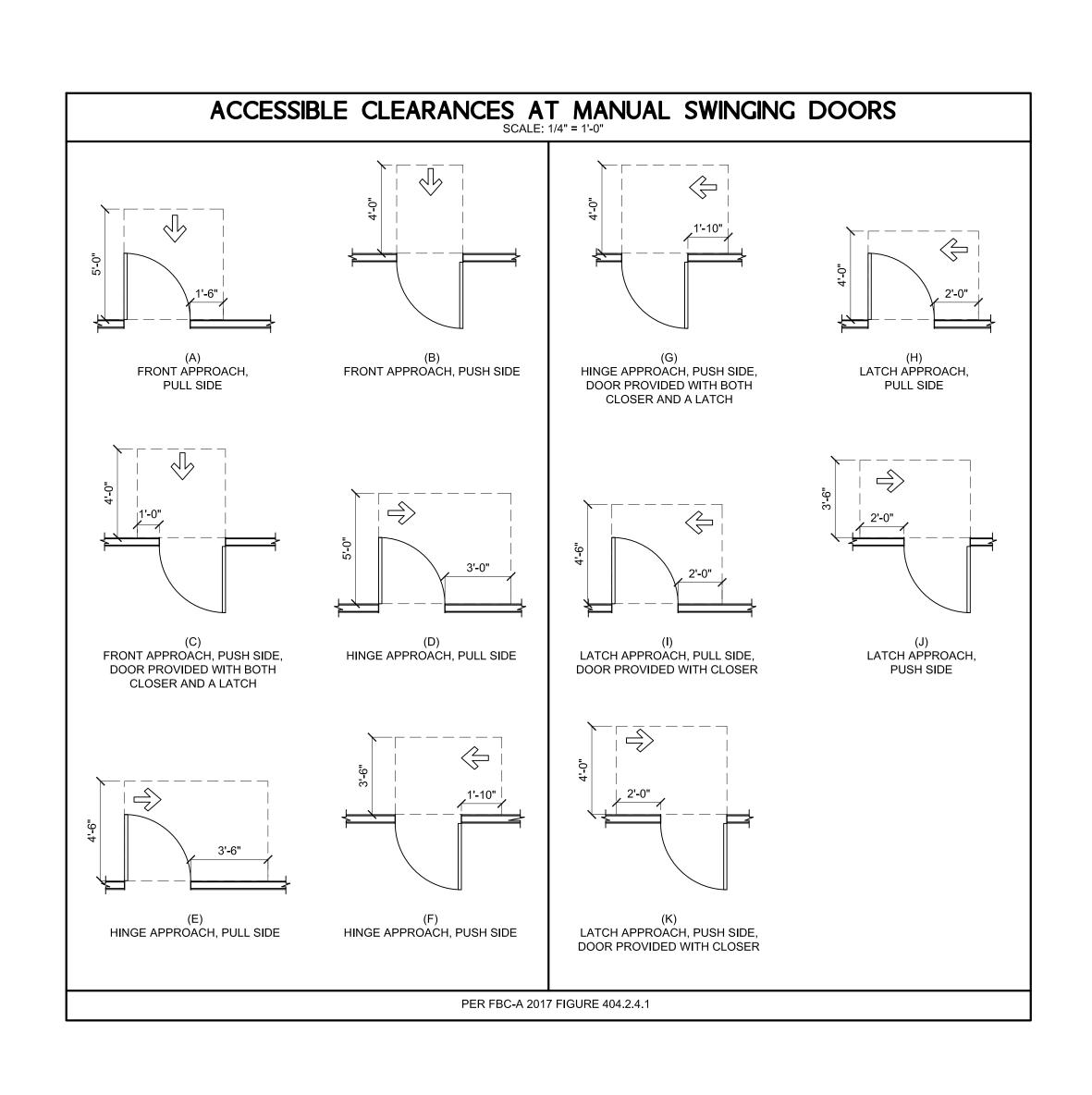
2. REMOVE GREASE, MASTIC, ADHESIVES, DUST STAINS, FINGERPRINTS, LABELS AND OTHER FOREIGN MATERIALS FROM SITE EXPOSED INTERIOR AND EXTERIOR

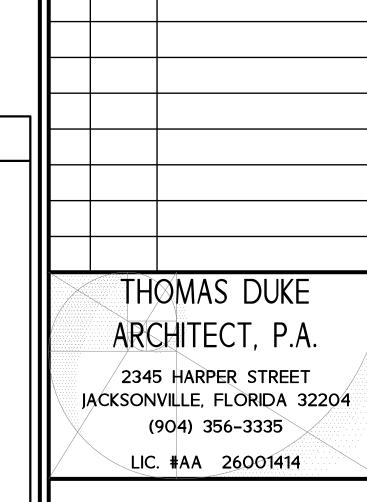
3. WASH AND SHINE GLAZING AND MIRRORS. POLISH GLOSSY SURFACES.

4. PRIOR TO FINAL COMPLETION OR OWNER OCCUPANCY, CONTRACTOR SHALL CONDUCT AN INSPECTION OF SIGHT EXPOSED INTERIOR AND EXTERIOR SURFACES, AND ALL WORK AREAS, TO VERIFY THAT THE ENTIRE WORK AREA IS





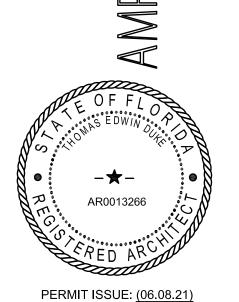




REVISIONS

NO. DATE NOTES

AR0013266



RELEASED FOR CONSTRUCTION

DATE: 8 JUNE 2021

GENERAL NOTES, ABBREVIATIONS, VICINITY MAP

DRAWN BY: GCE/CEM CHECKED BY: TED

PROJECT NO. SHEET

PAVILION CODE SUMMARY - FBC

OCCUPANCY TYPE:

'A-5' ASSEMBLY PER FBC 303.6

CONSTRUCTION TYPE: 'IIB' PER FBC TABLE 601, NON-SPRINKLERED TOTAL AREA: 1,685 G.S.F.

OCCUPANT LOAD

STAGE: 1,685 S.F. @ 15 S.F. / OCC. = 112.3 PER FBC TABLE 1004.1.2

TRAVEL DISTANCE

GROUP 'A-5' ASSEMBLY, NON-SPRINKLERED

MAXIMUM COMMON PATH OF TRAVEL ALLOWED: (ACTUAL) = 0'-0"75'-0" PER FBC TABLE 1006.2.1

MAXIMUM TRAVEL DISTANCE ALLOWED: 200'-0" PER FBC TABLE 1017.2

(ACTUAL) = 50'-8"

MAXIMUM DEAD END CORRIDOR DISTANCE ALLOWED: (ACTUAL) = 0'-0" 20'-0" PER FBC 1020.4

EXIT UNITS REQ'D = 93 X .2" = 18.6 (32" MIN) 2 EXITS REQUIRED PER FBC TABLE 1006.2.1 PROVIDED 2 EXITS = 96" TOTAL EXIT UNITS

MIN. SEPARATION OF EGRESS FROM STAGE ≥1/2 MAX. DIAGONAL DISTANCE PER FBC 1007.1.1 MIN. SEPARATION REQUIRED: 1/2 X 64'-6" = 32'-3", (ACTUAL) = 51'-2"

MIN. PLUMBING FACILITIES REQ'D.

PER FBC, PLUMBING TABLE 403.1

113 OCCUPANTS: 57 FEMALES / 57 MALES

W.C. - REQ'D. - MALES: 1 PER 75, FEMALES: 1 PER 40 57 MALES = 1REQ'D - PROVIDED: 3 + 1 UNISEX 57 FEMALES = 2 REQ'D - PROVIDED: 3 + 1 UNISEX LAV. - REQ'D. - MALES: 1 PER 200, FEMALES: 1 PER 150 MALES = 1 REQ'D - PROVIDED: 3 + 1 UNISEX

FEMALES = 1 REQ'D - PROVIDED: 3 + 1 UNISEX D.F. - 1 PER 1,000 REQ'D - PROVIDED: 2 SERVICE SINK -1 REQ'D - PROVIDED: 1

PAVILION CODE SUMMARY - NFPA

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY TYPE:

ASSEMBLY PER NFPA 101 6.1.2 CONSTRUCTION TYPE:

'II(000)' PER NFPA 220 4.3, NON-SPRINKLERED TOTAL AREA: 1,685 G.S.F.

OCCUPANT LOAD

STAGE: 1,685 S.F. @ 15 S.F. / OCC. = 112.3 PER NFPA 101 TABLE 7.3.1.2 TRAVEL DISTANCE

ASSEMBLY, NON-SPRINKLERED

MAXIMUM COMMON PATH OF TRAVEL ALLOWED: (ACTUAL) = 0'-0" 75'-0" (OCC. LOAD ≤ 50), PER NFPA 101 12.2.5.1.2

MAXIMUM TRAVEL DISTANCE ALLOWED: 200'-0" PER NFPA 101 12.2.6.2

MAXIMUM DEAD END CORRIDOR DISTANCE ALLOWED: (ACTUAL) = 0'-0" 20'-0" PER NFPA 101 12.2.5.1.3

AMPHITHEATER FFE 100.61 MAX. TRAVEL -DIST. TO EXIT: 50'-8"

RESTROOM CODE SUMMARY - FBC

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY TYPE: UTILITY AND MISCELLANEOUS GROUP "U" PER FBC 312

CONSTRUCTION TYPE: 'IIIB' PER FBC TABLE 601, NON-SPRINKLERED TOTAL AREA: 750 G.S.F.

OCCUPANT LOAD

750 S.F. @ 50 S.F. / OCC. = 15 OCC. PER FBC TABLE 1004.1.2

TRAVEL DISTANCE
GROUP 'U' UTILITY, NON-SPRINKLERED

MAXIMUM COMMON PATH OF TRAVEL ALLOWED: (ACTUAL) = 0'-0" 75'-0" (OCC. LOAD > 30) PER FBC TABLE 1006.2.1 100'-0" (OCC. LOAD ≤ 30) PER FBC TABLE 1006.2.11

MAXIMUM TRAVEL DISTANCE ALLOWED: 300'-0" PER FBC TABLE 1017.2 (ACTUAL) = 50'-8"

MAXIMUM DEAD END CORRIDOR DISTANCE ALLOWED: (ACTUAL) = 0'-0" 20'-0" PER FBC 1020.4

EXIT UNITS REQ'D = 15 X .2" = 3" (32" MIN) 1 EXITS REQUIRED PER FBC TABLE 1006.3.1 PROVIDED 3 EXITS = 99" TOTAL EXIT UNITS

FIRE EXTINGUISHERS







OFFICES, CLASSROOMS, CHURCHES, ASSEMBLY HALLS, HOTEL OR MOTEL

ORDINARY HAZARD

GUESTROOMS, ETC. DINING AREAS, MERCANTILE SHOPS AND ALLIED STORAGE, LIGHT MANUFACTURING, RESEARCH OPERATIONS, AUTO SHOWROOMS,

PARKING GARAGES, WORKSHOP OR SUPPORT SERVICE AREAS OF LIGHT HAZARD OCCUPANCIES AND WAREHOUSES CONTAINING NFPA 13 CLASS I

OR CLASS II COMMODITIES. EXTRA HAZARD WOOD WORKING, VEHICLE REPAIR, AIRCRAFT AND BOAT SERVICING, COOKING AREAS, INDIVIDUAL PRODUCT DISPLAY SHOWROOMS, PRODUCT

CONVENTION CENTER DISPLAYS AND STORAGE AND MANUFACTURING PROCESS SUCH AS PAINTING, DIPPING, AND COATING INCLUDING FLAMMABLE LIQUID HANDLING. WAREHOUSING OR IN]PROCESS STORAGE OF OTHER THAN NFPA 13 CLASS I OR CLASS II COMMODITIES.

A = 1,000 SF

PORTABLE FIRE EXTINGUISHERS

MAXIMUM PROTECTED AREA WITHIN 75'

2A-10B:C LIGHT A = 3,000 SF2A-10B:C 3,000 ORDINARY A = 1,500 SF

3A-40B:C 9,000 LIGHT 3A-40B:C 4,500

ORDINARY 4A-80B:C 11,250 LIGHT

ORDINARY 4A-80B:C 6,000 4A-80B:C 4,000 EXTRA

LIST OF APPLICABLE CODES:

FLORIDA BUILDING CODE 6TH EDITION (2017) FLORIDA FIRE PREVENTION CODE 6TH EDITION (2017) FLORIDA BUILDING CODE MECHANICAL 6TH EDITION (2017) FLORIDA BUILDING CODE PLUMBING 6TH EDITION (2017) NATIONAL ELECTRIC CODE / NFPA 70 NEC (2014) FLORIDA BUILDING CODE FUEL GAS 6TH EDITION (2017) FLORIDA EXISTING BUILDING CODE 6TH EDITION (2017) FLORIDA ACCESSIBILITY CODE 6TH EDITION (2017)

FLORIDA BUILDING CODE ENERGY CONSERVATION 6TH EDITION (2017) NFPA 101 LIFE SAFETY CODE (2018) NFPA 1 FIRE CODE (2018)

NOTE TO PLAN REVIEWERS

1, TO THE BEST OF OUR KNOWLEDGE, INFORMATION, AND INTENT. BUILDING ALTERATIONS WERE DESIGNED TO AND COMPLY WITH THE APPLICABLE CODES LISTED ABOVE.

NFPA 220 STANDARD ON TYPES OF CONSTRUCTION (2018)

THOMAS DUKE ARCHITECT, P.A.

REVISIONS

NO. DATE NOTES

2345 HARPER STREET JACKSONVILLE, FLORIDA 32204 (904) 356-3335

LIC. #AA 26001414

RESTROOMS -**KEY PLAN**SCALE: 1/32" = 1'-0"

PERMIT ISSUE: (06.08.21)

RELEASED FOR CONSTRUCTION

DATE: 8 JUNE 2021

CODE SUMMARY AND LIFE SAFETY PLAN

DRAWN BY: GCE/CEM | CHECKED BY: TED

PROJECT NO. SHEET

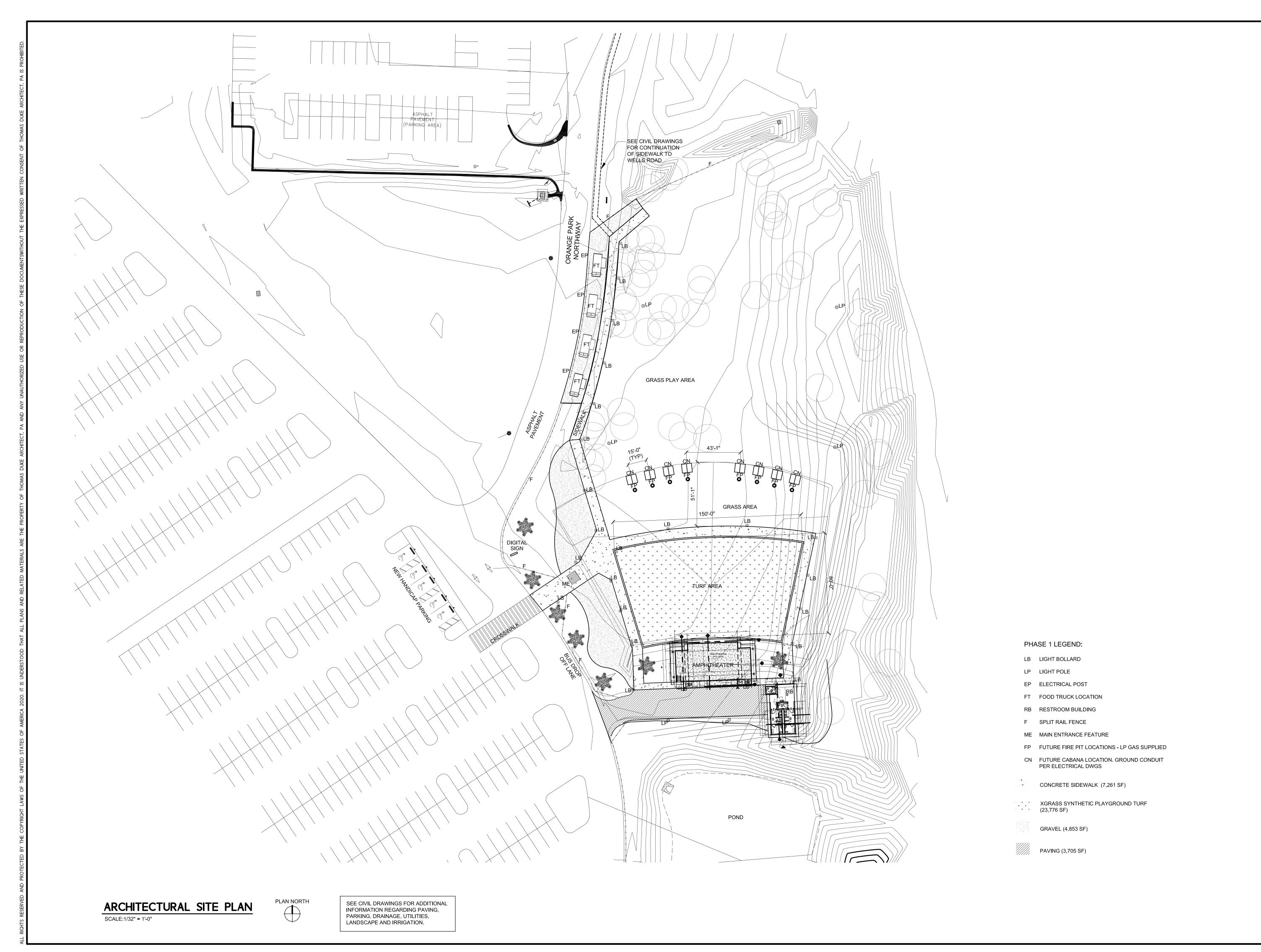
PAVILION LIFE SAFETY PLAN SCALE: 1/8" = 1'-0"

RESTROOM LIFE SAFETY PLAN SCALE: 1/8" = 1'-0"



PATH OF TRAVEL & TRAVEL

DIST. TO EXIT: 30'-0"



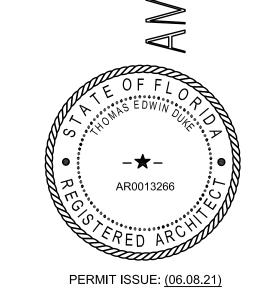
RE	VISION	S
NO.	DATE	NOTES

THOMAS DUKE ARCHITECT, P.A.

2345 HARPER STREET JACKSONVILLE, FLORIDA 32204 (904) 356-3335

LIC. #AA 26001414

NGE PARK MALL
ATER AT THE GROV



ASED EOD CONSTRUCTION

RELEASED FOR CONSTRUCTION

DATE: 8 JUNE 2021

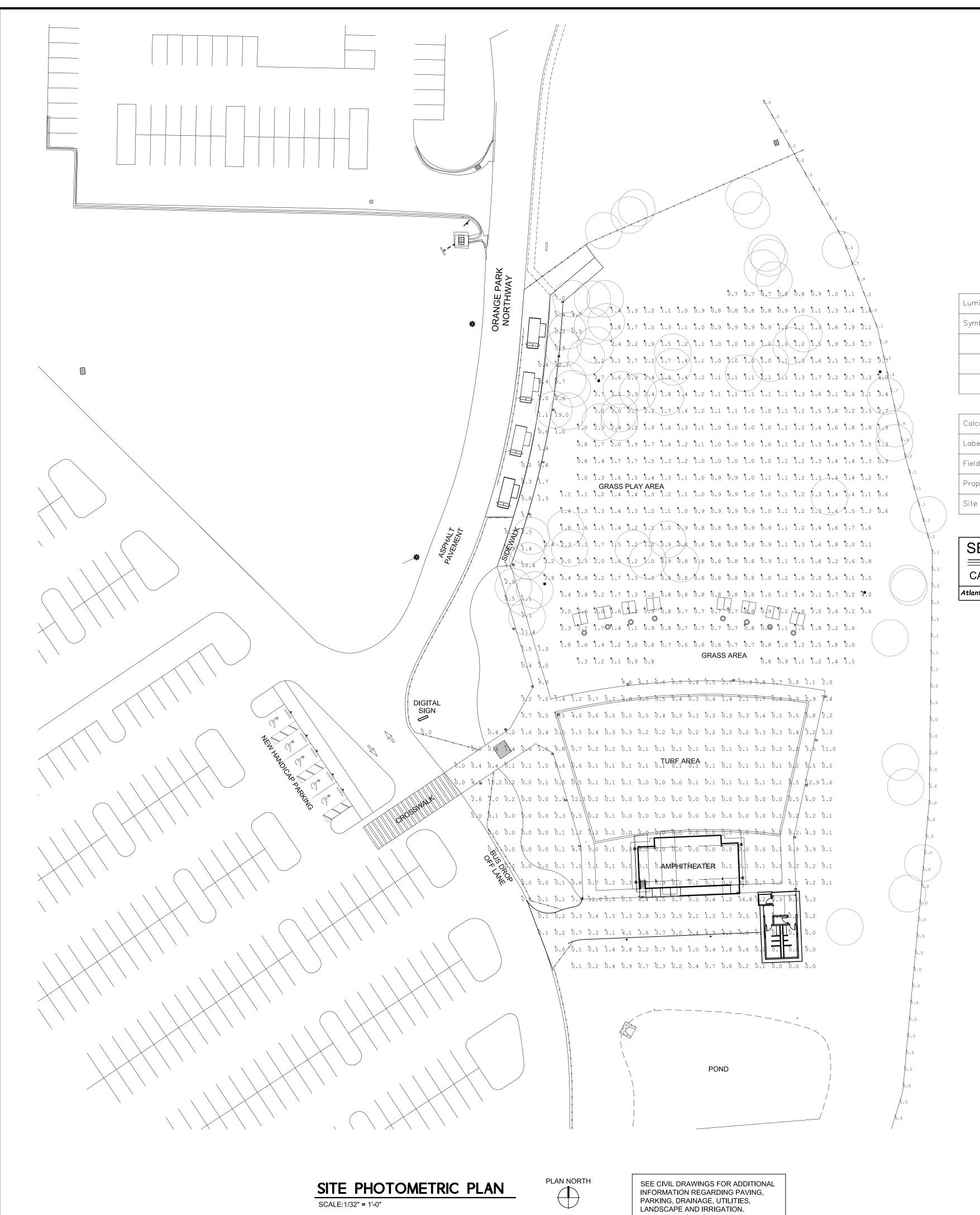
ARCHITECTURAL SITE PLAN PHASE I

DRAWN BY: GCE/CEM CHECKED BY: TED

PROJECT NO.

SHEET

A-1.0



Luminaire Schedule											
Symbol	Qty	Label	Arrangement	LLF	Lum. Watts	Lum. Lumens	Description				
	2	А	SINGLE	0.900	34	4958	VSX-II_T3_5L_4K mtd 12' AFG				
)	24	В	SINGLE	0.900	18	2483	VBL-1_4_T5_16LC_S_3_4K 3.5' OA Ht				
•	4	G	SINGLE	0.900	182.71	23179	ECF-S-48L-1_2A-NW-G2-4 mtd 30' AFG				

Calculation Summary	Calculation Summary												
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min						
Field Lighting	Illuminance	Fc	1.46	4.0	0.6	2.43	6.67						
Property Line Illuminance		Fc	0.30	3.5	0.0	N.A.	N.A.						
Site	Illuminance	Fc	1.49	19.0	0.0	N.A.	N.A.						

SESCO Lighting	Orange Park Mall Amp.AGI							
CALCS Division	561-848-8589	6/3/2021						
tlanta-Birminaham-Chattanooga-Et Lauderdale-Et Myers-Jackson-Jacksonville-Knoxville-Memphis-Nashville-Pensacola-Orlando-Tallahassee-Tampa								

REVISIONS

NO. DATE NOTES

THOMAS DUKE ARCHITECT, P.A.

2345 HARPER STREET JACKSONVILLE, FLORIDA 32204 (904) 356-3335

LIC. #AA 26001414

RANCE PARK MALL

PE AROU13266

AROU13266

PERMIT ISSUE: (06.08.21)

RELEASED FOR CONSTRUCTION

DATE: 8 JUNE 2021

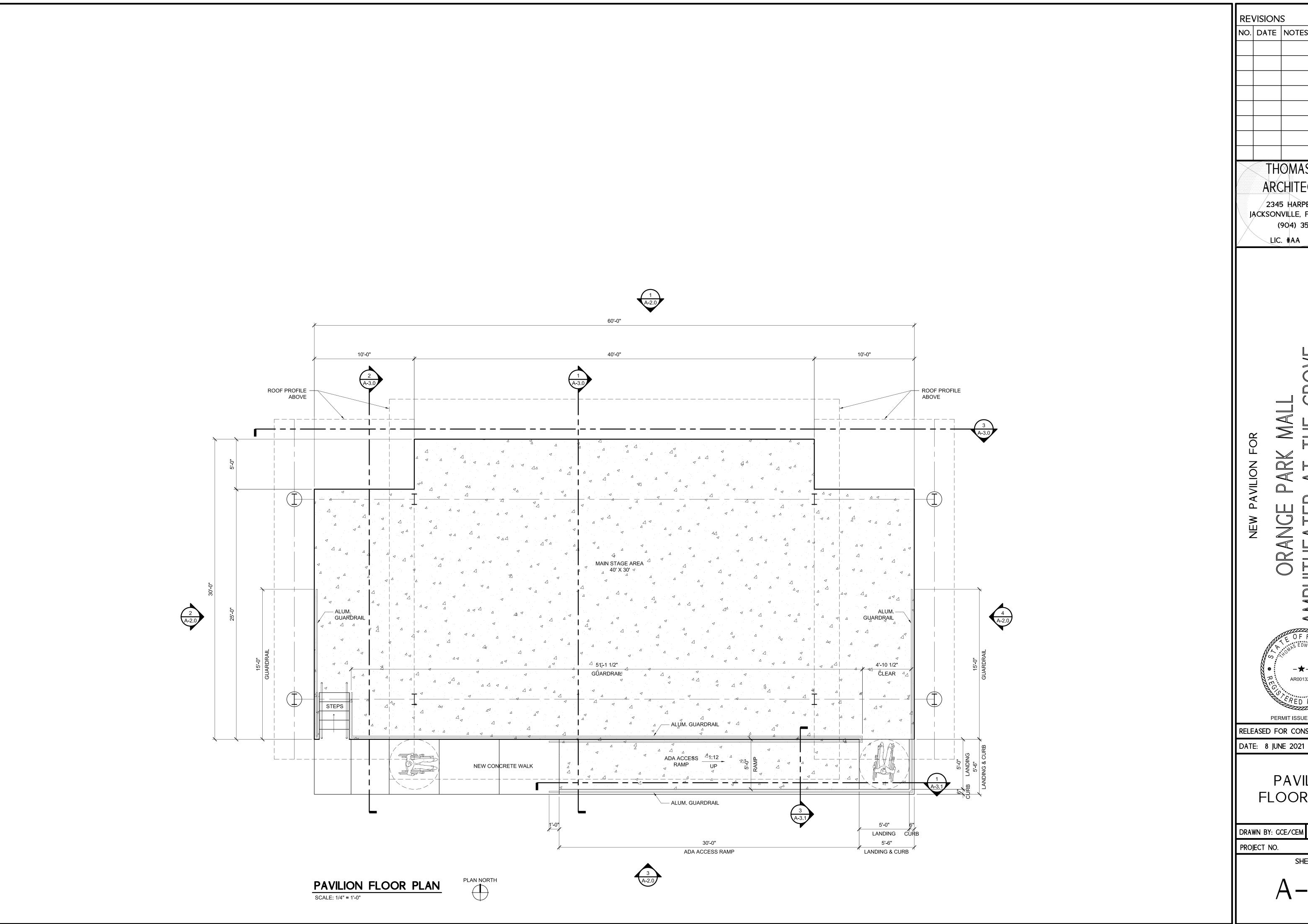
SITE PHOTOMETRIC PLAN - PHASE I

DRAWN BY: GCE/CEM CHECKED BY: TED

PROJECT NO.

SHEET

A - 1.01



REVISIONS NO. DATE NOTES

THOMAS DUKE ARCHITECT, P.A.

2345 HARPER STREET JACKSONVILLE, FLORIDA 32204 (904) 356-3335

LIC. #AA 26001414

PERMIT ISSUE: (06.08.21)

RELEASED FOR CONSTRUCTION

PAVILION

FLOOR PLAN

DRAWN BY: GCE/CEM CHECKED BY: TED

SHEET

A - 1.1

IED.		DOOR SCHEDULE												
PKOHIBILED.	DR.	DR.	FRM.	OPENII	NG SIZE	DOOR	DR.	FRAME		DET	AILS	HDWR		
2	NO.	TYPE	TYPE	WIDTH	HEIGHT	THICK.	MAT.	MAT.	HEAD	JAMB	THRESHOLD	GRP.	LABEL	REMARKS
	102	А	Α	3'-0"	7'-0"	1 3/4"	H.M.	H.M.	4/A-1.2	5/A-1.2	6/A-1.2	3		G.C. TO PROVIDE & INSTALL STEPNPULL HANDS FREE DOOR OPENER
= = =	103	В	Α	3'-0"	7'-0"	1 3/4"	H.M.	H.M.	1/A-1.2	2/A-1.2	3/A-1.2	2		
DUKE AKCHIIECI, PA	104	А	А	3'-0"	7'-0"	1 3/4"	H.M.	H.M.	1/A-1.2	2/A-1.2	3/A-1.2	1		G.C. TO PROVIDE & INSTALL STEPNPULL HANDS FREE DOOR OPENER
MAS DU	105	А	Α	3'-0"	7'-0"	1 3/4"	H.M.	H.M.	1/A-1.2	2/A-1.2	3/A-1.2	1		G.C. TO PROVIDE & INSTALL STEPNPULL HANDS FREE DOOR OPENER

HARDWARE SCHEDULE

SET 1: EACH DOOR TO HAVE 1 PULL PLATE

107 X 70C U532D 1 PUSH PLATE 70 F U532D F179 US 26D 4 1/2" X 4 1/2" NRP 3 EA. BUTTS 1 CLOSER SC61 X 689 X SNB 1 KICK PLATE 8 X 34 US32D

1 STOP 443 26D 3 SILENCERS 608

SET 2: EACH DOOR TO HAVE 1 STOREROOM LOCKSET AL80PD JUPX 11-096 X 10-025 U526D 3 EA. BUTTS

F179 US 26D 4 1/2" X 4 1/2" NRP 1 STOP 443 26D 3 SILENCERS

SET 3: EACH DOOR TO HAVE 1 PRIVACY LOCKSET AL40S JUP X 11-116 X 10-025 US 26D 3 EA. BUTTS

F179 US 26D 4 1/2" X 4 1/2" NRP 1 MOP PLATE 4 X 35 U532D 1 STOP 443 26D 3 SILENCERS SC61 X 689 X SNB 1 CLOSER

MANUFACTURERS

LOCKSET'S & CYLINDERS SCHLAGE DOR-O-MATIC CLOSERS **BUTT HINGES** STANLEY EXIT DEVICES & REMOVABLE MULLIONS MONARCH STOPS, SILENCERS, PULLS, PROTECTION ROCKWOOD PLATES & FLUSH BOLTS THRESHOLDS & WEATHERSTRIPPING PEMKO

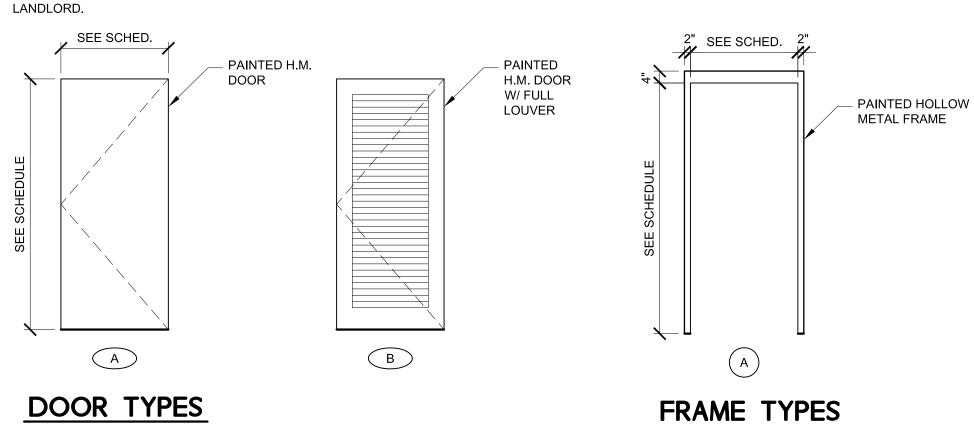
DOOR & HARDWARE NOTES:

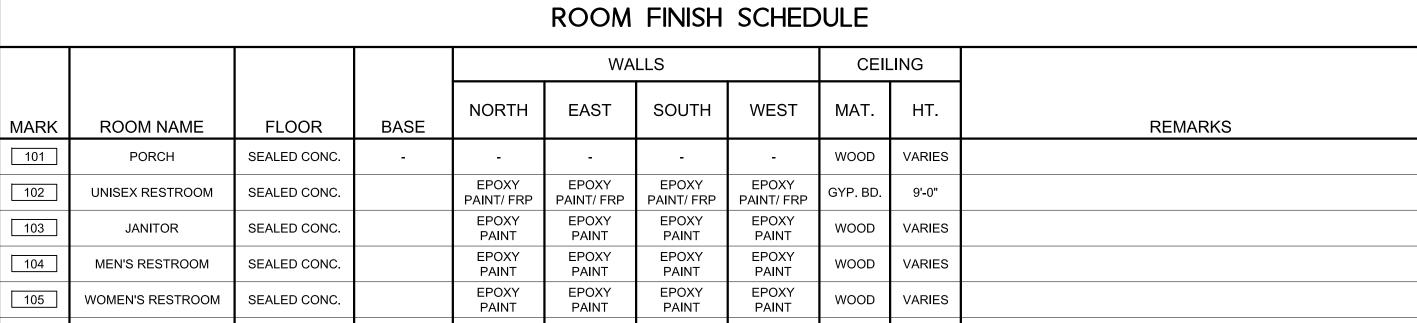
SCALE: 3/8" = 1'-0"

1. PROVIDE LEVER-TYPE COMMERCIAL GRADE ACCESSIBLE HARDWARE ON ALL DOORS. PROVIDE DOOR STOPS AND SILENCERS FOR ALL DOORS AND FRAMES.

2. USE EQUIVALENT WHEN NECESSARY.

3. VERIFY KEYING REQUIREMENTS WITH TENANT &





REVISIONS NO. DATE NOTES

THOMAS DUKE

ARCHITECT, P.A.

2345 HARPER STREET

JACKSONVILLE, FLORIDA 32204

(904) 356-3335

LIC. #AA 26001414

PAINT SCHEDULE

DRYWALL WALLS, COLUMNS AND CEILINGS PRIMER: B51W08670 - QUICK DRY INTERIOR/EXTERIOR STAIN BLOCKING PRIMER WHITE

2 COATS: B20W02651 - PROMAR® 200 ZERO VOC INTERIOR LATEX EG-SHEL EXTRA WHITE

DRYWALL WALLS AND CEILINGS IN RESTROOMS PRIMER: B51W08670 - QUICK DRY INTERIOR/EXTERIOR STAIN BLOCKING PRIMER WHITE

2 COATS: K46W00151 - PRO INDUSTRIAL PRECATALYZED WATERBASED SEMI-GLOSS EPOXY EXTRA WHITE

HOLLOW METAL DOORS AND FRAMES PRIMER: B66W00310 - PRO INDUSTRIAL PRO-CRYL® UNIVERSAL ACRYLIC PRIMER OFF WHITE 2 COATS: B66W00651 - PRO INDUSTRIAL HIGH PERFORMANCE ACRYLIC - SEMI-GLOSS EXTRA WHITE

2 COATS: A67F00001 - WOOD CLASSICS® POLYURETHANE VARNISH HAND RUBBED SATIN CLEAR

SEALED CONCRETE PRIMER: B65C775 - ARMORSEAL 1K WATERBASED URETHANE FLOOR ENAMEL (1 COAT W/ 10% WATER REDUCTION)

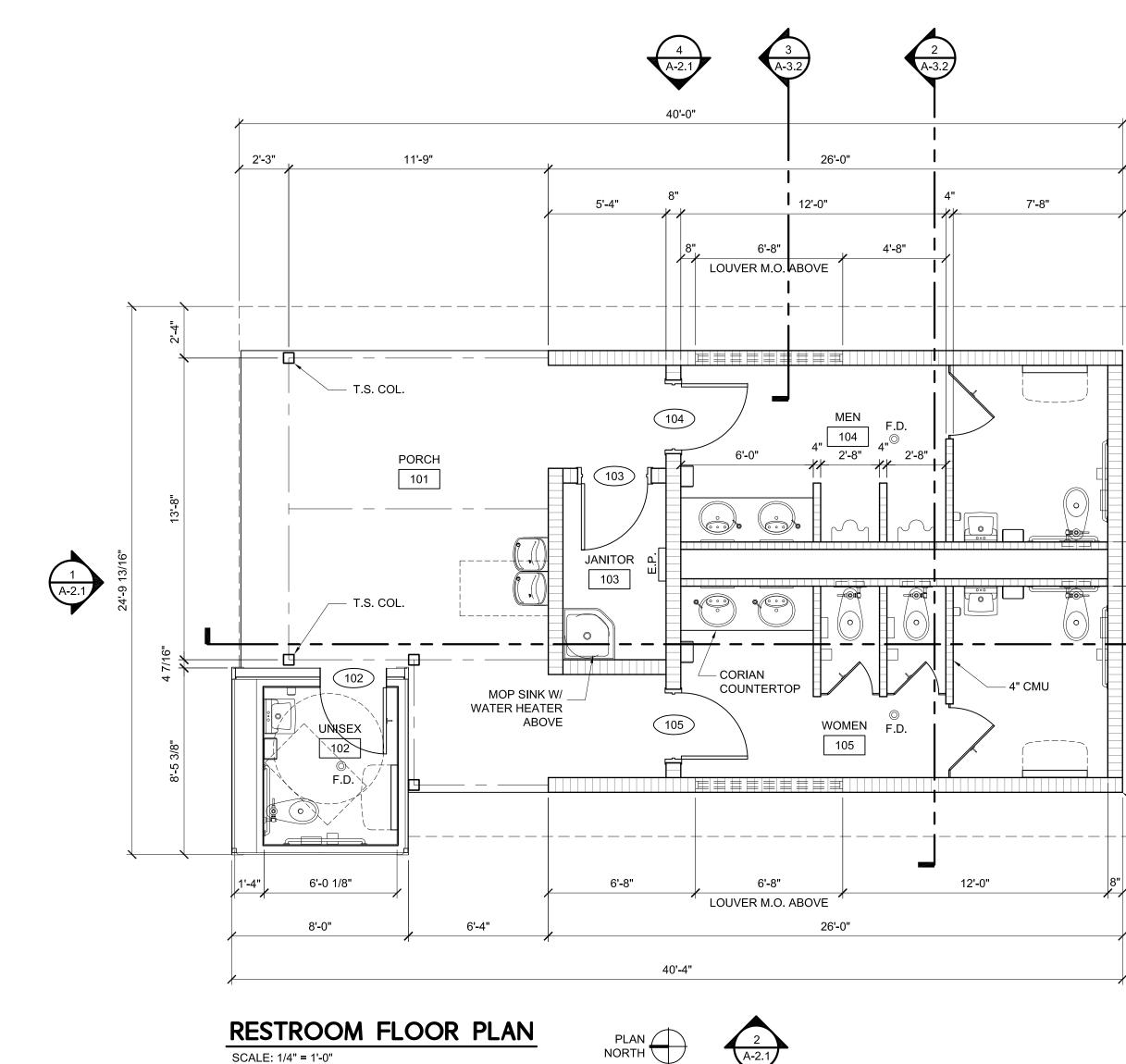
- ROOF

<u>├</u> 8" CMU

OVERHANG

3 A-2.1

FINISH: B65C775 - ARMORSEAL 1K WATERBASED URETHANE FLOOR ENAMEL



PERMIT ISSUE: (06.08.21)

RELEASED FOR CONSTRUCTION

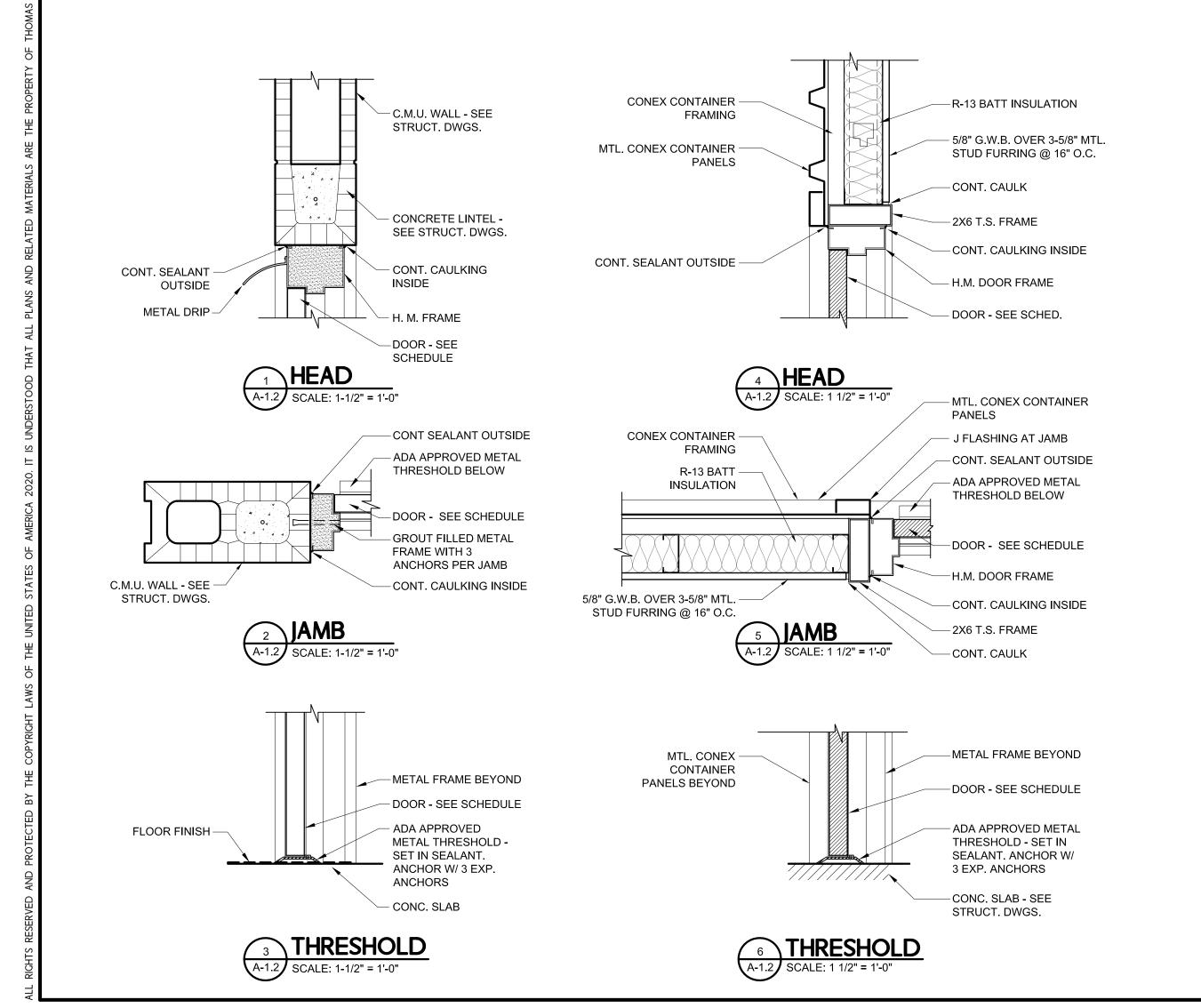
DATE: 8 JUNE 2021

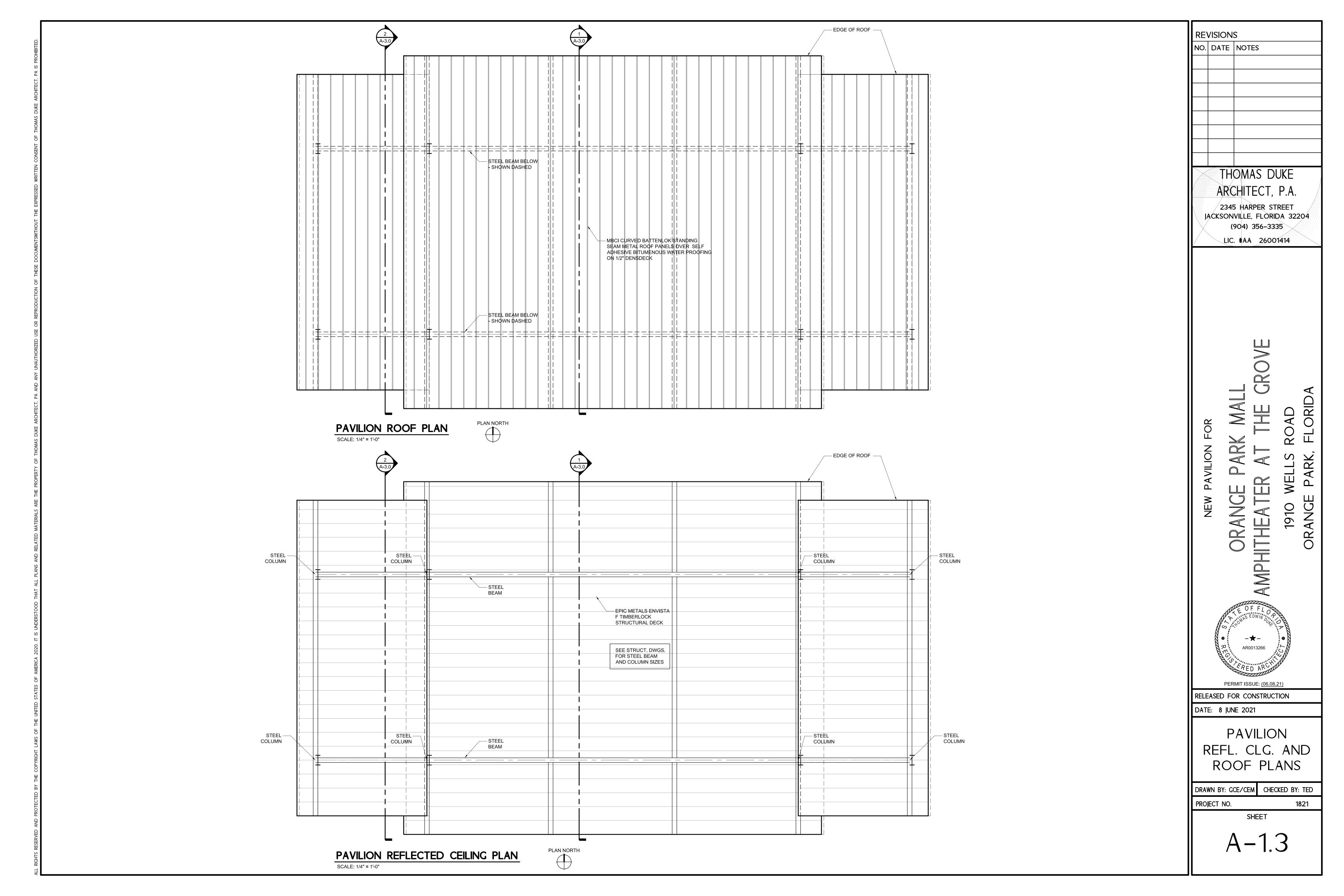
RESTROOM FLOOR PLAN

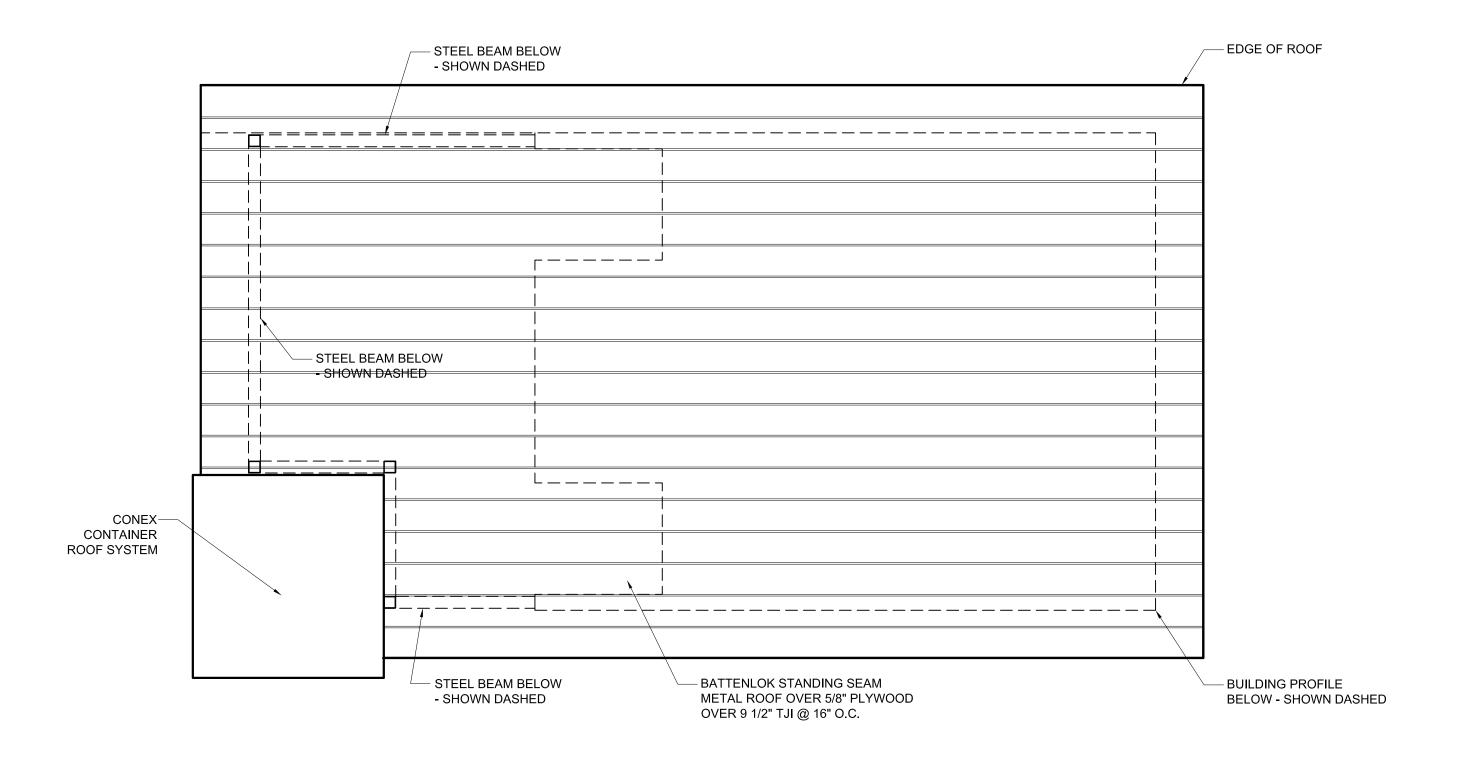
CHECKED BY: TED DRAWN BY: GCE/CEM PROJECT NO.

SHEET

1821

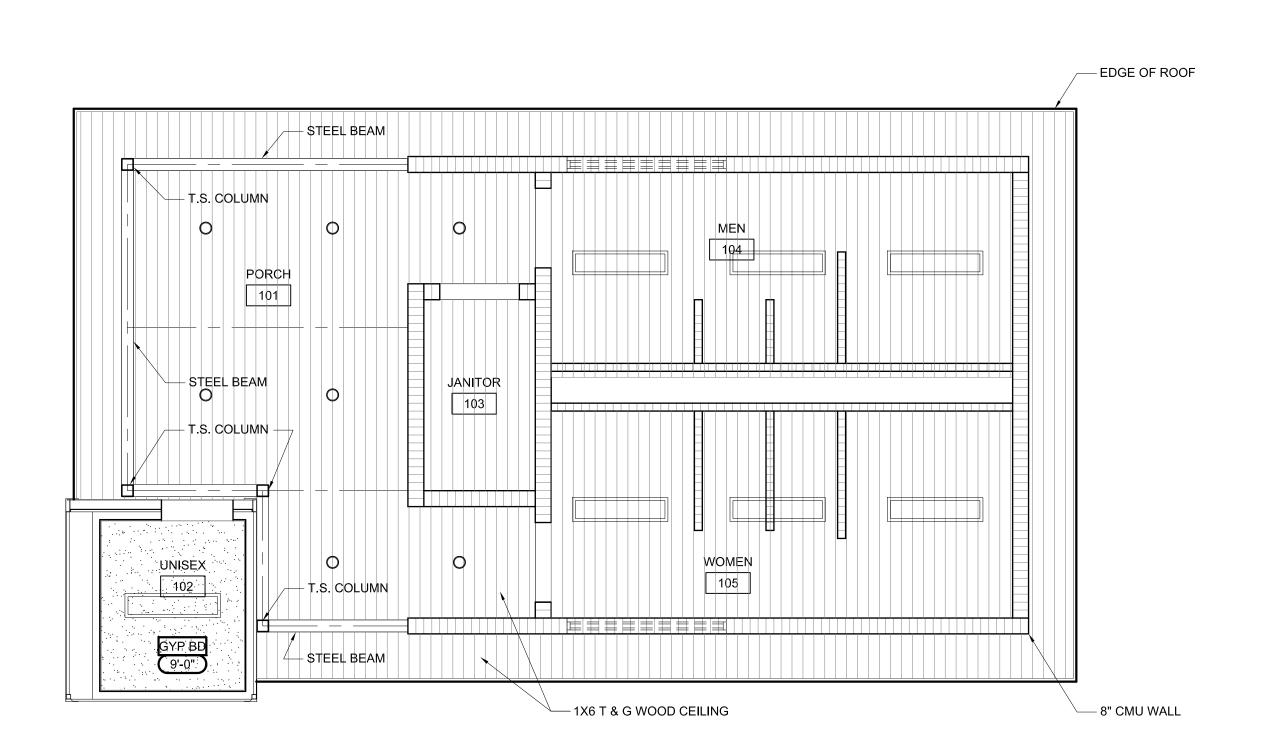






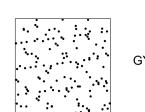
RESTROOM ROOF PLAN SCALE: 1/4" = 1'-0"





NEW FC LIGHTING- SEE ELECT. DWGS.

CEILING LEGEN	



GYP. BD. CEILING

NEW LITON LED STRIP LIGHT- SEE ELECT. DWGS.

THOMAS DUKE ARCHITECT, P.A. 2345 HARPER STREET JACKSONVILLE, FLORIDA 32204 (904) 356-3335 LIC. #AA 26001414 ORANGE

REVISIONS

NO. DATE NOTES

PERMIT ISSUE: (06.08.21)

RELEASED FOR CONSTRUCTION

DATE: 8 JUNE 2021

RESTROOM REFL CLG AND ROOF PLANS

DRAWN BY: GCE/CEM CHECKED BY: TED

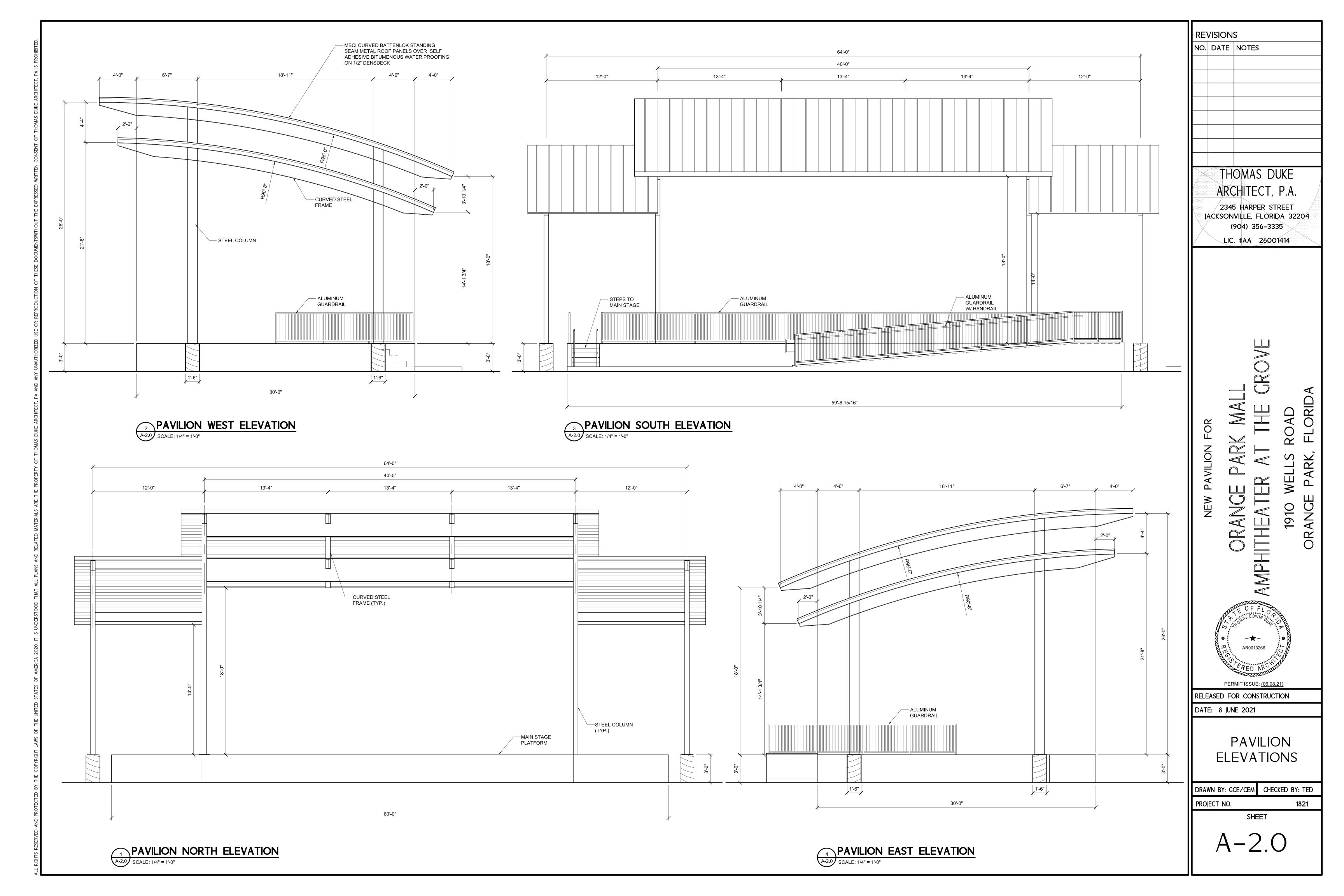
PROJECT NO.

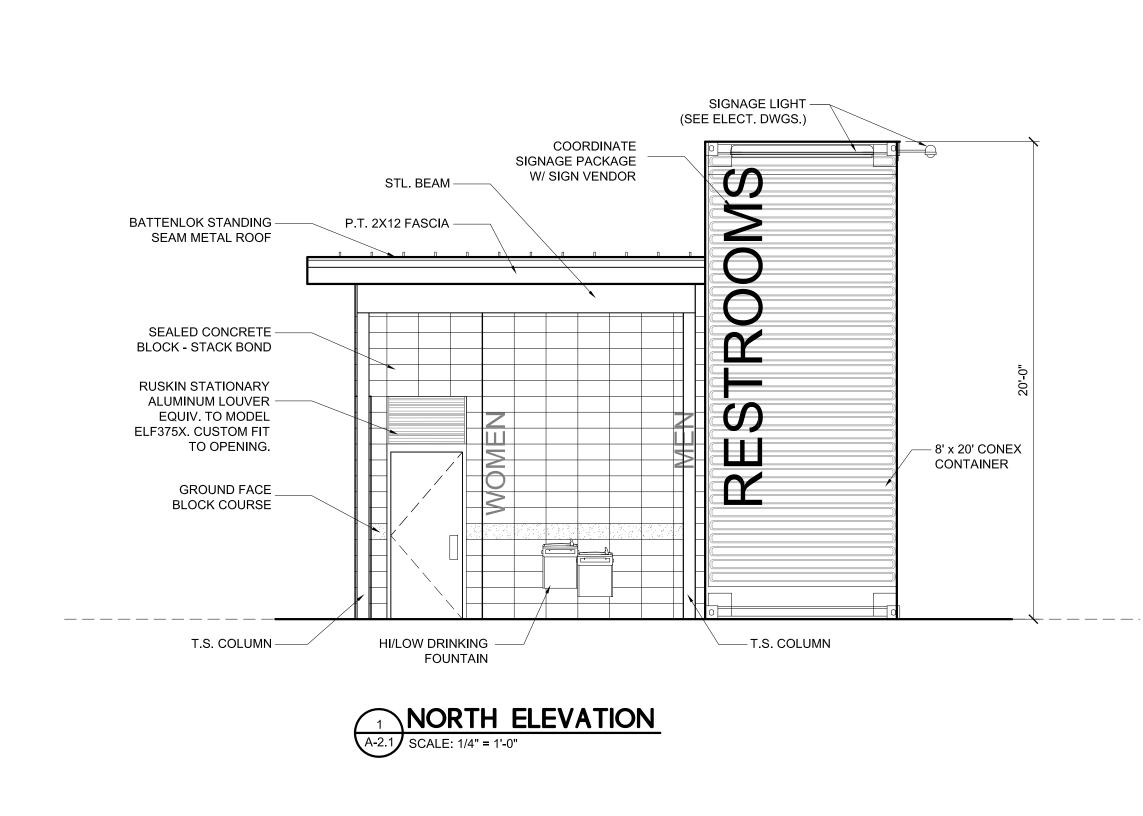
SHEET

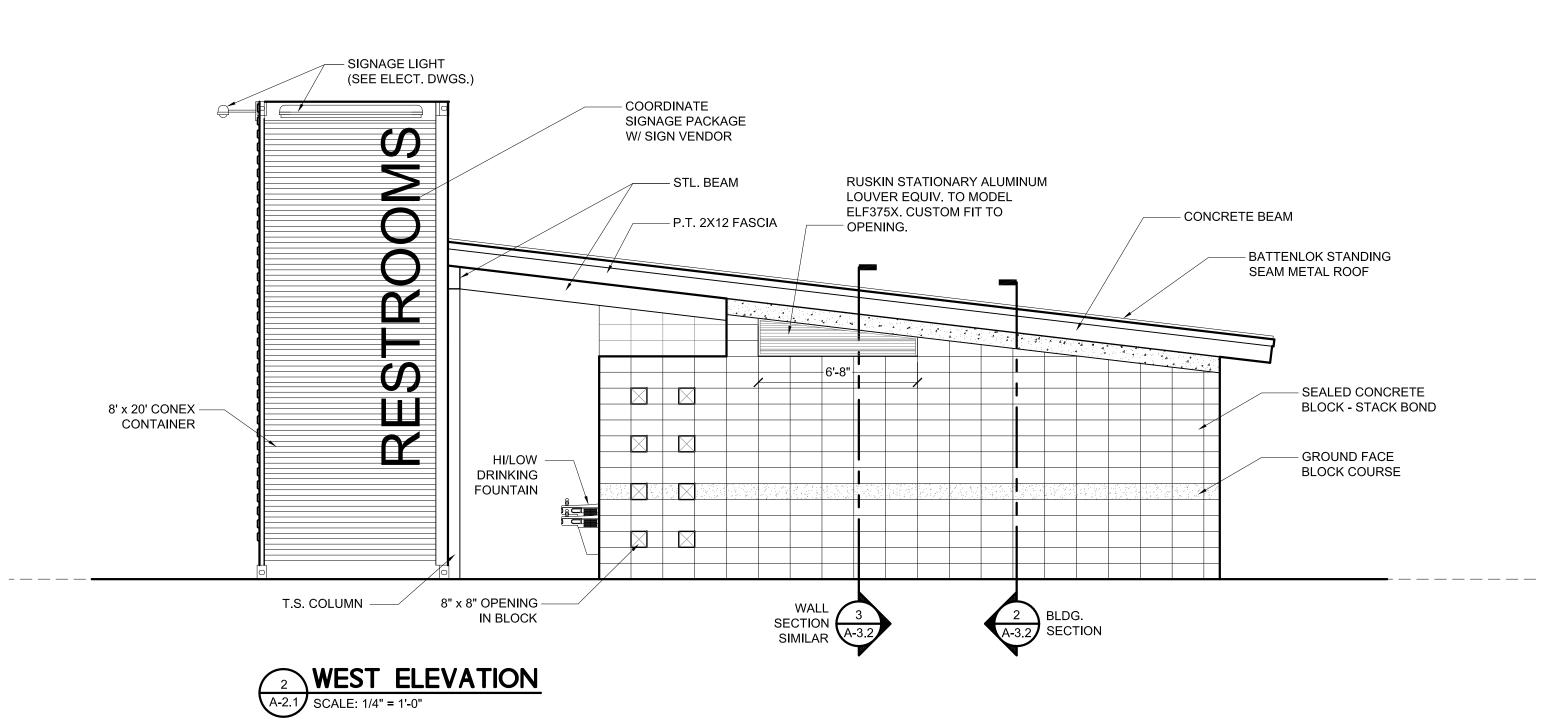
1821

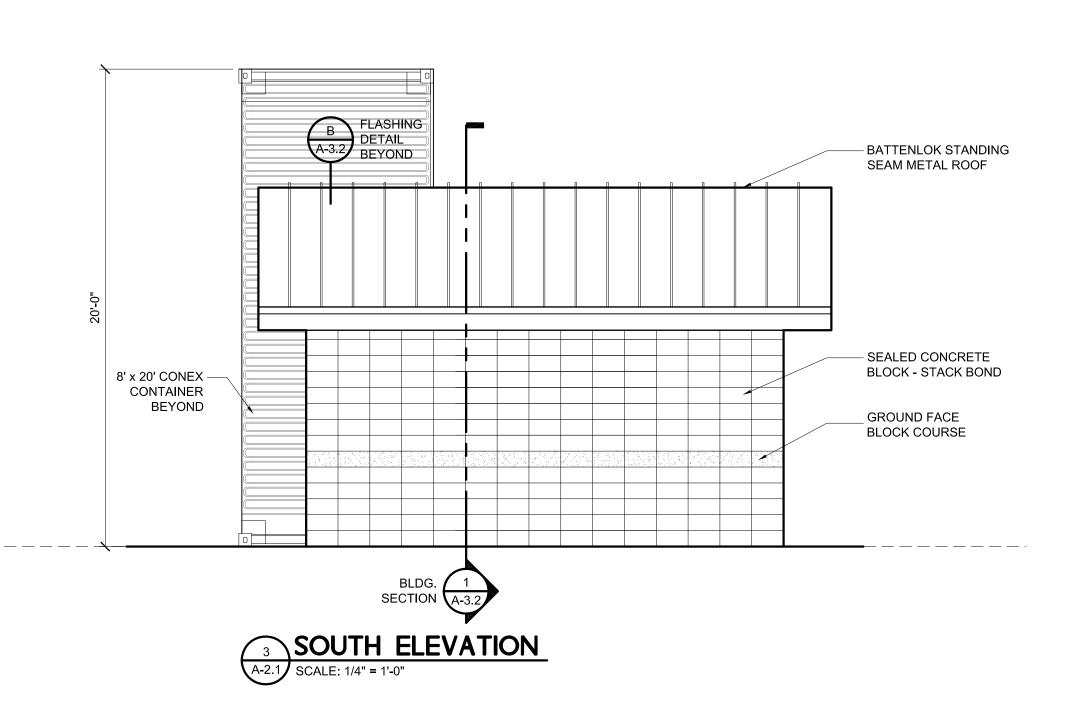


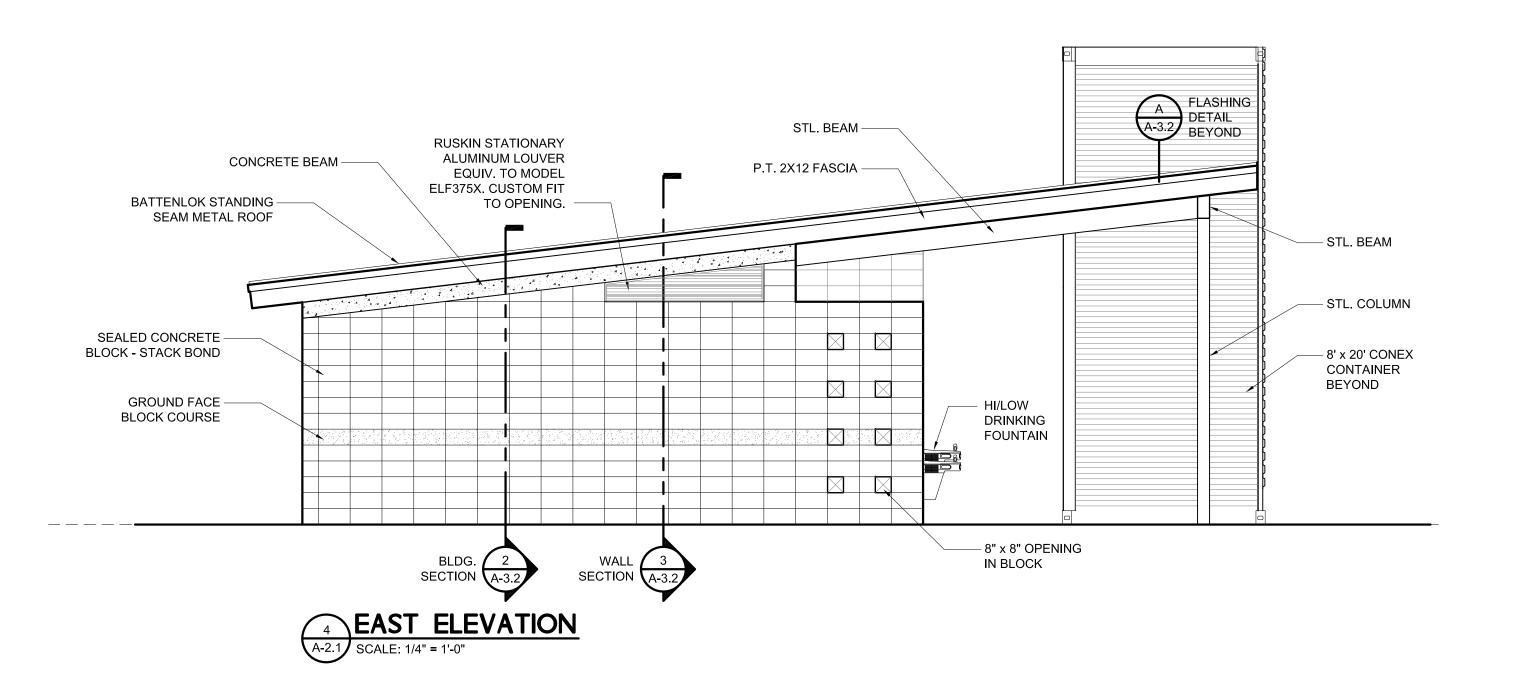




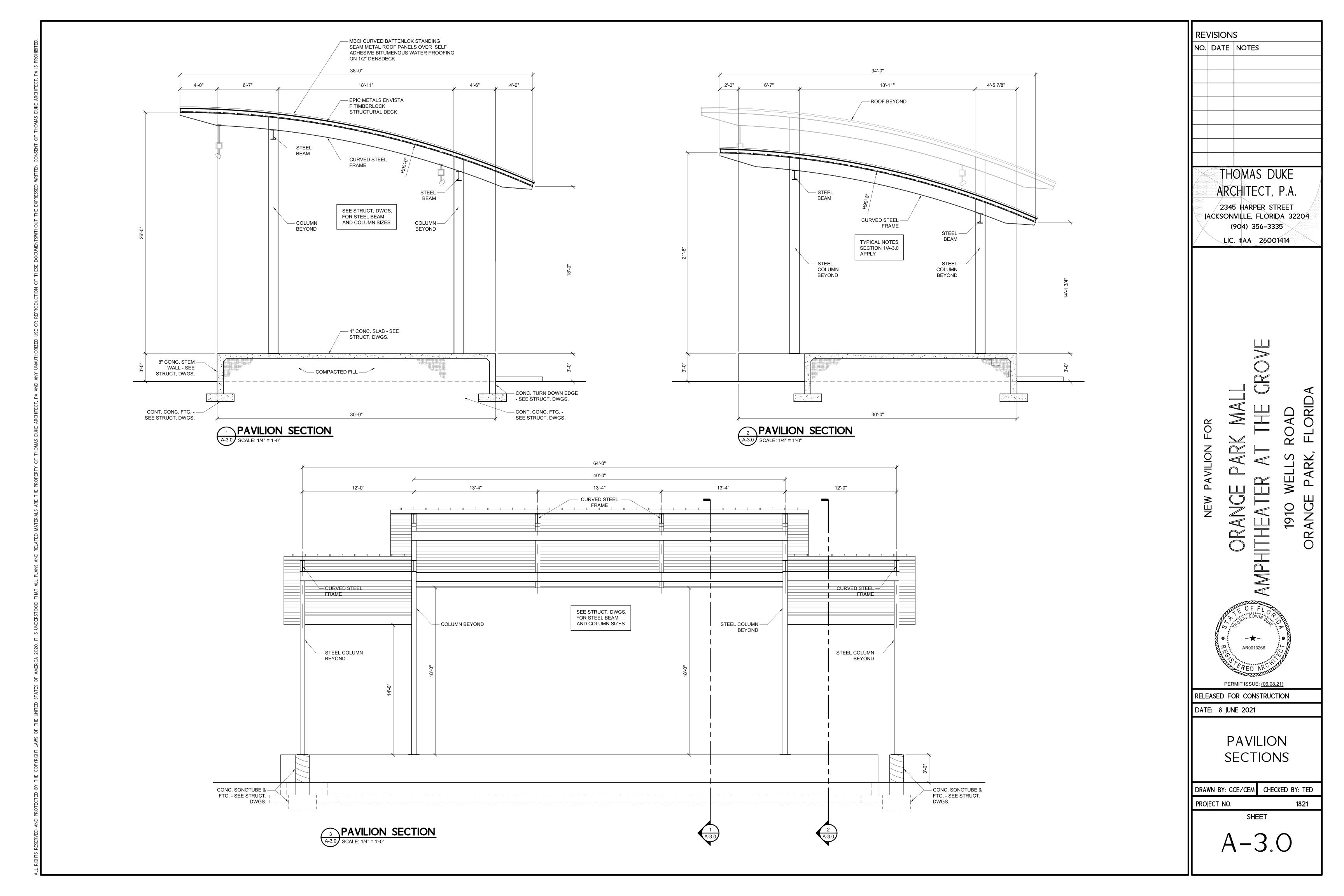


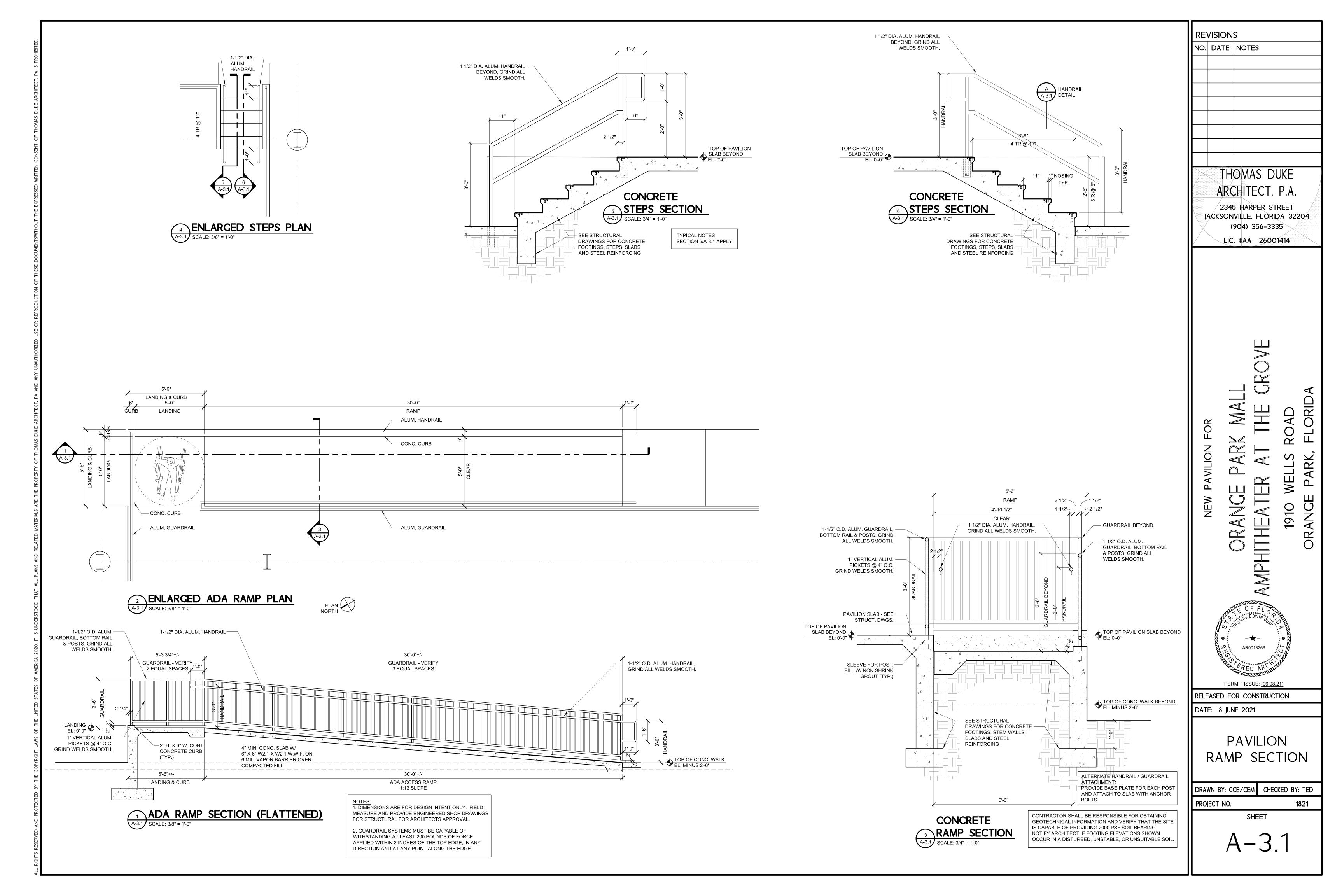


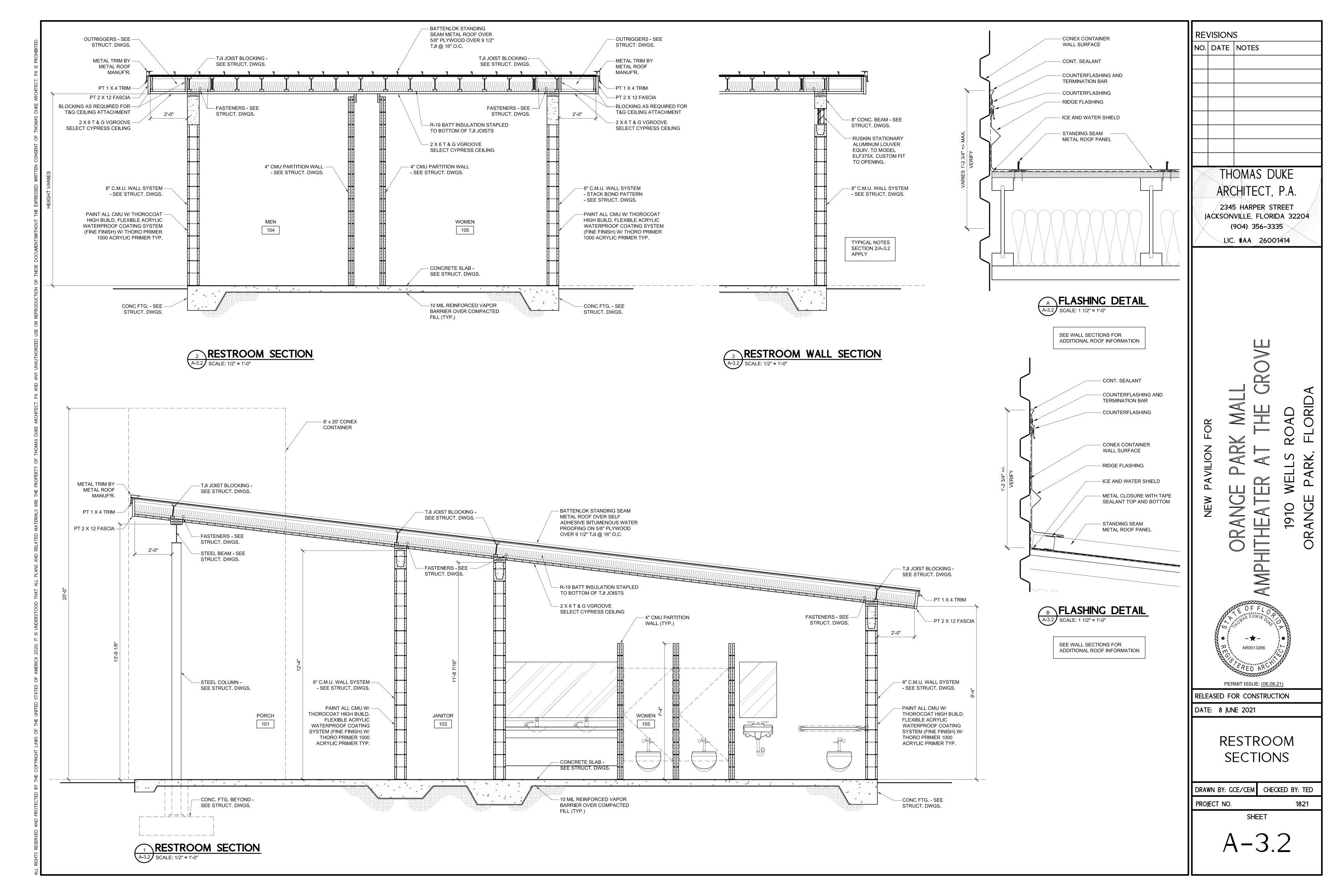


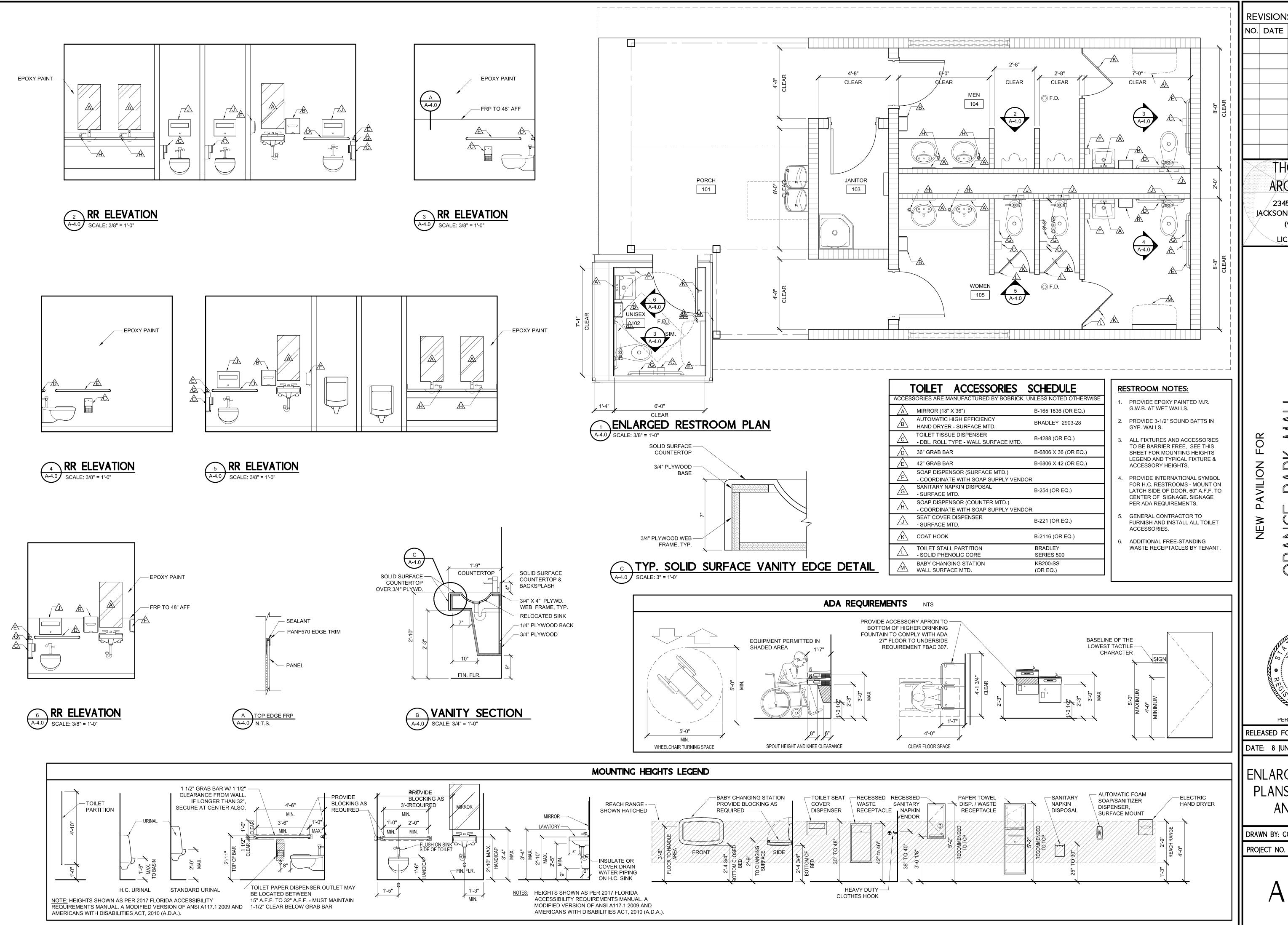


 REVIS	SIONS			
NO. D	ATE NO	TES		
	THOM			
	ARCHI	ΓECT,	P.A.	/: /:: /:::
JĄCI	2345 HA KSONVILLI	RPER ST E, FLORII		204
		356-33		
	LIC. #A	A 2600	1414	
		R AT THE GROVE		
	n			
				DA
			\bigcirc	N N
NEW PAVILION FOR	PARK MALI		ELLS ROAD	PARK, FLORIDA
Z		<u> </u>	\propto	Щ.
			ST.	X
) AV			Æ	PA
→			>	Щ
뷛			1910	$\frac{0}{2}$
			7	DRANGE
				\overline{O}
	J'E C	F FL OR	Ŕ	
,	DO THOMAS	DUKK	P	
	AR AR	- ★ - 0013266		
	AFICO AF			
	DEDWITIO	SSUE: (06.08.	21)	
RELEAS	ED FOR C			
DATE:	8 JUNE 20)21		
	REST	ΓRO	MC	
	ELEV	ATIC	NS	
DRAWN	BY: GCE/C	EM CHEC	CKED BY:	TED
PROJEC [*]			18	821
	:	SHEET		
	Α-	-2	1	
1	, .		. 1	









REVISIONS NO. DATE NOTES THOMAS DUKE ARCHITECT, P.A.

2345 HARPER STREET JACKSONVILLE, FLORIDA 32204 (904) 356-3335

LIC. #AA 26001414

PERMIT ISSUE: (06.08.21)

RELEASED FOR CONSTRUCTION

DATE: 8 JUNE 2021

ENLARGED RESTROOM PLANS, ELEVATIONS, AND DETAILS

DRAWN BY: GCE/CEM | CHECKED BY: TED

FOUNDATIONS ARE DESIGNED FOR AN ASSUMED ALLOWABLE BEARING PRESSURE OF 2,000 PSF.

SUPERIMPOSED LIVE LOADS:	
ROOFS AND CANOPIES: (REDUCIBLE)	20 PSF
STAGE:	150 PSF
WIND LOADS (PAVILION):	
ULTIMATE WIND SPEED	125 MDH
NOMINAL WIND SPEED	99 MPH
MEAN ROOF HEIGHT	
RISK CATEGORY	II
WIND EXPOSURE	
ENCLOSURE CLASSIFICATION	OPEN
INTERNAL PRESSURE COEFFICIENT	N/A
DIRECTIONALITY FACTOR (Kd)	0.85
SHAPE FACTORS	PER CODE

WIND LOADS (RESTROOM

WIND LOADS (RESTROOM):	
ULTIMATE WIND SPEED	125 MPH
NOMINAL WIND SPEED	99 MPH
MEAN ROOF HEIGHT	12 FT
RISK CATEGORY	II
WIND EXPOSURE	C
ENCLOSURE CLASSIFICATION	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	± 0.18
DIRECTIONALITY FACTOR (Kd)	0.85
SHAPE FACTORS	PER CODE

THIS BUILDING IS NOT LOCATED IN THE WIND BORNE DEBRIS REGION. IMPACT RESISTANT GLAZING IS NOT REQUIRED.

CONCRETE

ALL CONCRETE PROPORTIONING, MIXING, TRANSPORTATION, PLACING, AND CURING SHALL CONFORM TO ACI 301.

ALL CONCRETE SHALL BE LABORATORY DESIGNED AND CONTROLLED TO MEET THE REQUIREMENTS OF ACI 318 AND THE PROJECT'S DESIGN BUILDING CODE.

USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IS CONCRETE IS PROHIBITED.

CONCRETE SHA	ALL CONFORM TO THE	FOLLOWING:
El- @ 20 DAVC	TYPE ACCRECATE	LOCATION

Fc @ 28 DAYS	TYPE AGGREGATE	<u>LOCATION</u>	W/C RATIO (MAX)
4,000	NORMAL WEIGHT	SLAB-ON-GRADE	0.50
4,000	NORMAL WEIGHT	BEAMS & COLUMNS	0.50
3,000	NORMAL WEIGHT	FOOTINGS	0.55
3,000	NORMAL WEIGHT	ALL OTHER CONCRETE	E 0.55

THE AIR CONTENT IN ALL CONCRETE EXPOSED TO WEATHER SHALL BE BETWEEN 1% & 4%.

CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS NOTED BELOW, OR PER LATEST ACI 318 FOR CONDITIONS OTHER THAN THOSE LISTED:

CONCRETE CAST AGAINST EARTH	3"
BEAMS AND COLUMNS	1 1/2"
SLABS ON GRADE	2" FROM TOP
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	2"
SLABS & WALLS NOT EXPOSED TO EARTH OR WEATHER	.1"

CHAMFER ALL EXPOSED CORNER 3/4" MINIMUM.

ALL HOOKS CALLED FOR IN STRUCTURAL DRAWINGS SHALL BE ACI STANDARD HOOKS, UNO.

REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 UNO.

ALL WELDED WIRE MESH SHALL CONFORM TO ASTM A185. LAP TWO SQUARES AT SPLICES.

DO NOT WELD REINFORCING STEEL UNLESS APPROVED IN WRITING BY THE STRUCTURAL

TIE ALL REINFORCING STEEL AND EMBEDS SECURELY IN PLACE PRIOR TO PLACING CONCRETE. THE CONTRACTOR SHALL PROVIDE SUPPORTS TO MAINTAIN THE REQUIRED REINFORCING POSITION. "WET STICKING" DOWELS INTO CONCRETE IS NOT PERMITTED.

THE CONTRACTOR SHALL COMPARE THE STRUCTURAL PLANS AND DETAILS WITH THE ARCHITECTURAL PLANS AND DETAILS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF SHOP DRAWINGS.

THE CONTRACTOR SHALL PROVIDE AN ALLOWANCE OF 1% OF TOTAL REINFORCING STEEL FOR THE PROJECT TO BE FABRICATED AND PLACED DURING CONSTRUCTION AT THE DIRECTION OF THE STRUCTURAL ENGINEER, IN ADDITION TO THE REINFORCING STEEL REQUIRED BY THE STRUCTURAL DRAWINGS. THE OWNER SHALL RECEIVE CREDIT FOR ANY UNUSED QUANTITY AT THE END OF THE PROJECT.

ALL REINFORCING SHALL HAVE AN ACI CLASS B SPLICE AT BAR LAPS.

FOUNDATIONS

A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT SHALL INSPECT AND ASSURE THE ADEQUACY OF ALL SUBGRADES, FILLS, AND BACKFILLS BEFORE PLACEMENT OF FOUNDATIONS, FOOTINGS, SLABS, ETC. WRITTEN ACCEPTANCE OF THE WORK INSPECTED AND VERIFICATION OF ASSUMED SOIL BEARING PRESSURE SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER.

WHERE FOOTING STEPS ARE REQUIRED, THE STEPS SHALL BE NO STEEPER THAN ONE VERTICAL TO TWO HORIZONTAL, UNO ON PLAN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING THE REQUIRED FOOTING STEP LOCATIONS.

ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:

ASTM A992 FOR W-SHAPES ASTM A36 FOR PLATES, ANGLES, & MISC FRAMING ASTM A588, GRADE 50, WHERE NOTED ASTM A501 OR A53 FOR PIPE ASTM A500, GRADE B FOR TUBES

HEADED STUDS SHALL COMPLY WITH ASTM A108 AND SHALL BE AUTOMATICALLY END WELDED PER MANUFACTURER'S RECOMMENDATIONS.

ANCHOR RODS SHALL CONFORM TO ASTM F1554. GRADE 36, UNO.

ALL CONNECTION BOLTS SHALL CONFORM TO ASTM A325.

WELDING OF STRUCTURAL STEEL SHALL BE PER AWS D1.1. LATEST EDITION.

WHERE FILLET WELD SIZE ISN'T CALLED-OUT ON WELD SYMBOL, FILLET SIZE SHALL BE 1/16" SMALLER THAN THE THICKNESS OF THE THINNER OF THE ELEMENTS TO BE WELDED.

UNLESS NOTED OTHERWISE PROVIDE THE GREATER OF THE FOLLOWING BEAM END

1) MINIMUM 5/16" DOUBLE ANGLE SHEAR CONNECTION, FULL DEPTH OF THE BEAM, WELDED OR BOLTED WITH VERTICAL BOLT SPACING OF 3".

2) WHERE BEAM REACTIONS ARE SHOWN, CONNECTIONS SHALL DEVELOP THE REACTION

3) WHEN BEAM REACTIONS ARE NOT SHOWN, CONNECTIONS SHALL BE PROPORTIONED TO SUPPORT 60% OF THE TOTAL UNIFORM LOAD CAPACITY SHOWN IN THE UNIFORM LOAD TABLES OF THE AISC MANUAL FOR THE GIVEN BEAM, SPAN, AND GRADE OF STEEL USED. FOR COMPOSITE BEAMS THE PROPORTION CONNECTIONS FOR 90% OF THE UNIFORM LOAD

4) CONNECTIONS SHALL BE PROPORTIONED FOR THE ECCENTRICITY BETWEEN CENTROIDS OF THE CONNECTION AND THE SUPPORTING MEMBER.

STRUCTURAL STEEL SHALL BE SHOP PRIMED PER SSPC PAINT SYSTEM NO. 7.00. PRIMER SHALL BE SSPC PAINT WITH A MINIMUM DRY FILM THICKNESS OF 2.0 MILS. OMIT PAINT AT SURFACES TO BE FIREPROOFED. TOUCH-UP BOLT HEADS, NUTS, FIELD WELDS, AND ABRASIONS IN SHOP PRIMER WITH SAME PAINT.

ALL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED.

IF ANY DISCREPANCIES BETWEEN SPECIFICATIONS, NOTES, AND DRAWINGS ARE NOTED, THE MORE STRINGENT REQUIREMENT GOVERNS.

COLUMN ANCHOR BOLTS ARE DESIGNED FOR COMPLETE CONDITION ONLY. CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING REQUIRED TO MAINTAIN STABILITY UNTIL ALL BRACING ELEMENTS REQUIRED FOR STRUCTURAL STABILITY ARE IN PLACE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF MISC STEEL SHOWN ON THE STRUCTURAL DRAWINGS SUCH AS SHELF ANGLES, LINTELS, SUPPORT MEMBERS FOR CURTAIN WALL OR MASONRY AND EDGE ANGLES FOR OPENINGS AND PERIMETER CONDITIONS. IT IS THE INTENT OF THESE DRAWINGS THAT THESE ITEMS ARE FIELD ATTACHED BY FIELD WELDING OR FIELD BOLTING TO MEET TOLERANCES REQUIRED BY THE OTHER TRADES, THESE TOLERANCES MAY BE MORE STRINGENT THAN AISC

THE CONTRACTOR SHALL COMPARE THE STRUCTURAL PLANS AND DETAILS WITH THE ARCHITECTURAL PLANS AND DETAILS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF SHOP DRAWINGS.

THE CONTRACTOR SHALL PROVIDE AN ALLOWANCE OF 1% OF TOTAL STRUCTURAL STEEL FOR THE PROJECT TO BE FABRICATED AND INSTALLED DURING CONSTRUCTION AS DIRECTED BY THE STRUCTURAL ENGINEER IN ADDITION TO THE STRUCTURAL STEEL REQUIRED BY THE CONSTRUCTION DRAWINGS. THE OWNER SHALL RECEIVE CREDIT FOR ANY UNUSED QUANTITY AT THE COMPLETION OF THE PROJECT.

SUPPLEMENTARY NOTES

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION, BRACING, SHORING, TEMPORARY SUPPORTS, ETC. THE STRUCTURAL ELEMENTS ARE NOT CONSIDERED STABLE UNTIL THE STRUCTURE IS COMPLETE.

REVIEW OF THE SUBMITTAL INFORMATION SHALL BE FOR GENERAL REQUIREMENTS OF THE PROJECT, AND SHALL NOT INCLUDE CHECKING OF DETAILED DIMENSIONS OR DETAILED QUANTITIES, NOR REVIEW OF THE CONTRACTOR'S SAFETY MEASURES ON OF OFF THE WORKSITE OR THE MEANS AND METHODS OF DOING ANY WORK.

THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND ARCHITECTURAL AND STRUCTURAL PLAN DIMENSIONS AND ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS.

ALL STRUCTURAL OPENINGS AROUND OR AFFECTED BY MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT PURCHASED BEFORE PROCEEDING WITH STRUCTURAL WORK AFFECTED.

ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF THE PROJECT.

GENERAL CONTRACTOR MUST REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO ARCHITECT/ENGINEER. SUBMITTALS WHICH DO NOT CONTAIN THE CONTRACTOR'S SHOP DRAWING STAMP OR HAVE BEEN MERELY "RUBBER STAMPED" SHALL BE RETURNED WITHOUT REVIEW. CONTRACTOR SHOULD ALLOW TWO WEEKS FOR SUBMITTAL REVIEW.

CONTRACTOR SHALL NOT ORDER MATERIAL OR COMMENCE WITH CONSTRUCTION UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED. WORK DONE OR ORDERS PLACED BEFORE SHOP DRAWING APPROVAL IS AT THE CONTRACTOR'S RISK.

THE PROJECT'S STRUCTURAL DRAWINGS AND ELECTRONIC FILES ARE THE PROPERTY OF LOWE STRUCTURES, INC. THE CONTRACTOR AND SUBCONTRACTOR SHALL COMPENSATE LOWE STRUCTURES, INC. FOR THE USE OF THE PROJECT'S CAD FILES FOR ANY PURPOSE INCLUDING SHOP DRAWING PREPARATION.

THE CONTRACTOR SHALL NOT SCALE DRAWINGS. DIMENSIONS SHOWN ON ARCHITECTURAL AND STRUCTURAL PLANS AND DETAILS WILL CONTROL.

MASONRY

PROVIDE HOLLOW, LOAD BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C90, TYPE I WITH A MINIMUM DENSITY OF 105 PCF.

CMU SHALL HAVE A MINIMUM ASSEMBLY COMPRESSIVE STRENGTH (Fm) OF 2,000 PSI.

THE 28-DAY GROUT COMPRESSIVE STRENGTH SHALL BE 3,000 PSI MINIMUM

MORTAR SHALL BE TYPE "S" OR "M".

LAP ALL REINFORCING 48 BAR DIAMETERS IN BOND BEAMS AND 72 BAR DIAMETERS IN VERTICAL WALL REINFORCING AND MASONRY BEAMS.

STANDARD JOINT REINFORCING SHALL BE PROVIDED AT 16" OC VERTICALLY IN SUPPORTED WALLS. JOINT REINFORCING SHALL BE PROVIDED AT 8" OC VERTICALLY IN CANTILEVERED WALLS. JOINT REINFORCING TYPE SHALL BE SPECIFIED BY ARCHITECT.

UNLESS NOTED OTHERWISE ON PLAN SHEETS, REINFORCE ALL EXTERIOR AND LOAD BEARING CMU WALLS W/ A #5 FULL HEIGHT VERTICAL BAR CENTERED IN WALL AT 24" OC. ADDITIONALLY, PROVIDE A #5 VERTICAL FULL HEIGHT AT EACH WALL END AND CORNER. SEE TYPICAL CMU REINFORCING DETAIL FOR OTHER REINFORCING REQUIREMENTS. ALL CMU CELLS RECEIVING REINFORCING SHALL BE GROUTED SOLID.

UNLESS PROVIDED ON ARCHITECTURAL DRAWINGS, PROVIDE VERTICAL CONTROL JOINTS AT A MAXIMUM SPACING OF 25'-0" OC. JOINTS SHOULD NOT BE PLACED WITHIN 5'-0" FROM BUILDING CORNERS AND NOT CLOSER THAN 1'-4" TO OPENING EDGES AND MAJOR BEAM OR JOIST BEARING LOCATIONS. CONTRACTOR SHALL SUBMIT JOINT LAYOUT TO ARCHITECT FOR APPROVAL IF JOINT LOCATIONS ARE NOT SHOWN ON ARCHITECTURAL DRAWINGS.

BOND BEAMS, CMU LINTELS, MASONRY BENEATH STEEL BEAM AND JOIST BEARINGS, AND OTHER STRUCTURAL ELEMENTS SHALL EXTEND UNINTERRUPTED ACROSS CONTROL JOINTS.

FILL ALL CELLS BELOW FINISHED GRADE.

16" U-BLOCK OR BOND BEAM SHALL CONSIST OF TWO 8" KNOCK-OUT BLOCKS.

BARS SPECIFIED TO BE EACH FACE SHALL BE HELD IN PLACE WITH SPACERS AND SHALL BE LOCATED 2 3/8" FROM EACH FACE TO THE CENTER OF THE BAR.

MASONRY WORK SHALL BE INSPECTED IN ACCORDANCE WITH ACI 530 QUALITY ASSURANCE

POST INSTALLED ANCHORS

POST- INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE EOR PRIOR TO INSTALLING POST- INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW SHALL BE SUBMITTED BY THE CONTRACTOR TO THE EOR ALONG WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EOUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE. PROVIDE CONTINUOUS SPECIAL INSPECTION FOR ALL MECHANICAL AND ADHESIVE ANCHORS PER THE APPLICABLE EVALUATION REPORT.

• MECHANICAL ANCHORS: SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PRE-APPROVED MECHANICAL ANCHORS INCLUDE: -SIMPSON STRONG TIE "TITEN-HD -SIMPSON STRONG TIE "TITEN" -SIMPSON STRONG TIE "TORQ-CUT" -HILTI "KWIK BOLT 3" -DEWALT "SCREW-BOLT +"

• ADHESIVE ANCHORS: SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PRE-APPROVED ADHESIVE ANCHORS INCLUDE:

-HILTI "HY 200-A" -SIMPSON "SET - XP" -SIMPSON "SET-3G" -DEWALT "PURE 110+"

• POWDER AND GAS ACTUATED FASTENERS: SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:

-SIMPSON STRONG TIE "POWER DRIVEN FASTENERS" -SIMPSON STRONG TIE "GAS ACTUATED FASTENERS"

MASONRY ANCHORS

• MECHANICAL ANCHORS: SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR AC106. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:

> -SIMPSON STRONG TIE "TITEN-HD" -SIMPSON STRONG TIE "TITEN" -BUILDEX "TAPCON" -HILTI "KWIK BOLT 3" -DEWALT "SCREW-BOLT +"

-SIMPSON "200-A"

-DEWALT "AC100+ GOLD"

• ADHESIVE ANCHORS: SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED ADHESIVE ANCHORS INCLUDE: -HILTI "HY 270" -SIMPSON "SET-XP"

ANCHORS INSTALLED IN CONCRETE MASONRY SHALL BE INSTALLED INTO SOLID GROUTED CONCRETE MASONRY.

ADHESIVE ANCHORS SHALL BE INSTALLED WITH 12 BAR DIAMETER EMBEDMENT MINIMUM

LOWE STRUCTURES, INC. 11651 Central Parkway, Suite 106 Jacksonville, FL 32224 (904) 992-0377 FL Cert of Auth: 28261 EOR: J. Matthew Lowe FL PE: 59027

NOTES NO DATE

REVISIONS

2345 HARPER STREET ACKSONYILLE, FLÒRIDA 3220/4 (904) 356-3335

LIC. #AA 26001414

RELEASED FOR CONSTRUCTION

PROJECT NO.

GENERAL NOTES & DESIGN

1 JUNE 2021

CLW CHECKED BY: JMI

NOTES:

1. TABLE PRESSURES ARE FOR THE SQUARE FOOT (SF)
TRIBUTARY AREA SHOWN. FOR OTHER TRIBUTARY
AREAS, LINEARLY INTERPOLATE BETWEEN VALUES SHOWN ABOVE.

- POSITIVE PRESSURES ACT TOWARD THE BUILDING. NEGATIVE PRESSURES ACT AWAY FROM THE
- SEE DIAGRAMS FOR ZONE LOCATIONS.
 ALL PRESSURES SHOWN ARE ULTIMATE PRESSURES.

	a ►									
8	3					3				
		2								
			 	2			 	 	1 2	
		L			3		Ľ			3

ROOF PLAN (GENERIC BUILDING SHOWN)

WIND PRESSURE DIAGRAM - PAVILION

C		CLADDING DESI SSURES (PSF)	GN
	RO	OOF	
ZONE	10 SF	50 SF	100 SF
ALL ZONES	+16	+16	+16
1	-36.9	-36.9	-36.9
2	-42.7	-40.7	-39.8
2'	-51.4	-49.4	-48.5
3	-57.1	-45.0	-39.8
3'	-80.2	-60.1	-51.4
	OVER	RHANG	
1	-36.4	-36.4	-36.4
2	-42.0	-40.0	-39.2
3	-64.7	-68.0	-45.1
	WA	ALLS	
ZONE	10 SF	100 SF	500 SF
ALL ZONES	+31.2	+26.6	+23.4
4	22.0	20.2	26.0

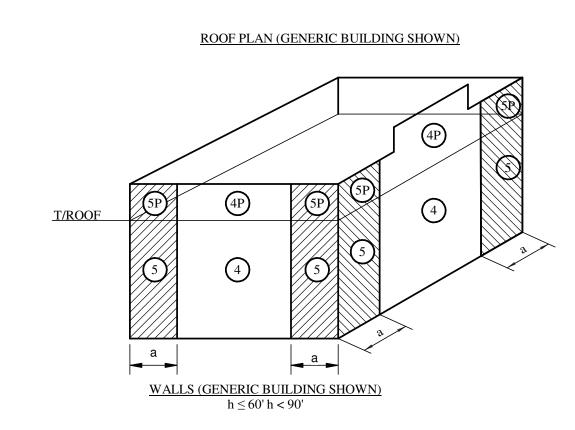
1. TABLE PRESSURES ARE FOR THE SQUARE FOOT (SF) TRIBUTARY AREA SHOWN. FOR OTHER TRIBUTARY

- SHOWN ABOVE. . POSITIVE PRESSURES ACT TOWARD THE BUILDING.
 NEGATIVE PRESSURES ACT AWAY FROM THE

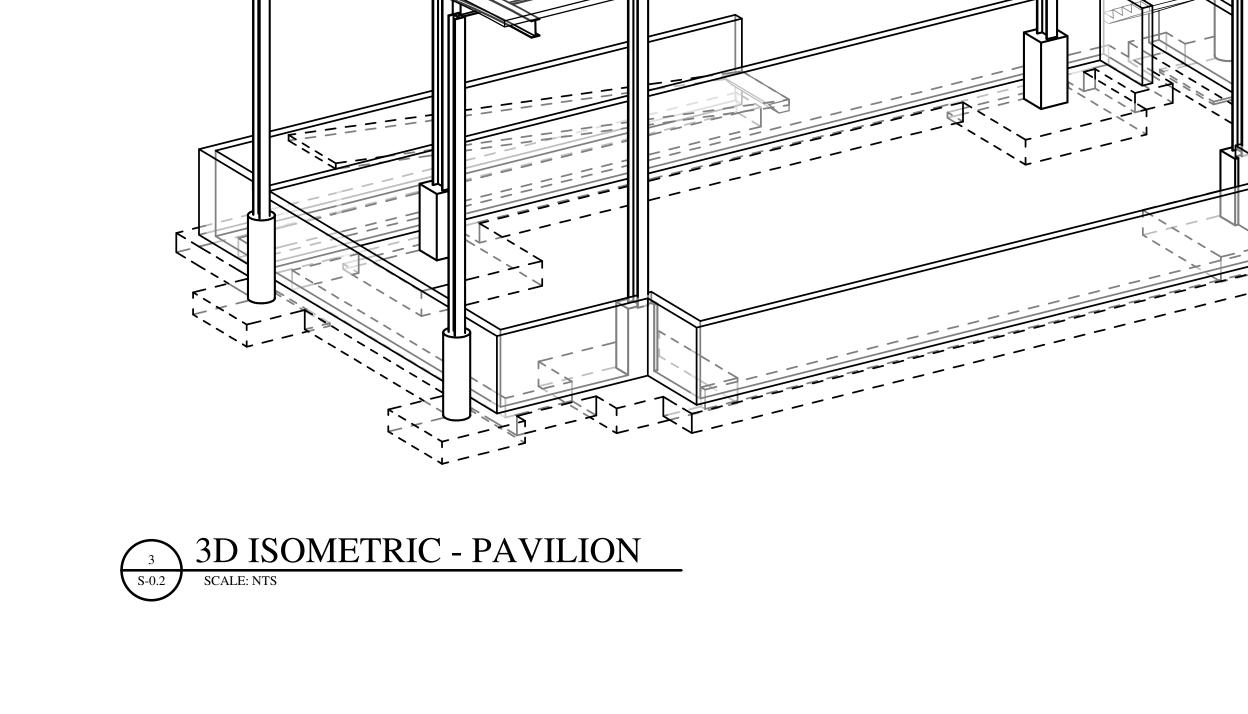
NEGATIVE PRESSURES ACT AWAY FROM TH	iE
BUILDING.	
SEE DIAGRAMS FOR ZONE LOCATIONS.	
ALL PRESSURES SHOWN ARE ULTIMATE PR	ESSURES
	a = 3'-0'
	u 5 0

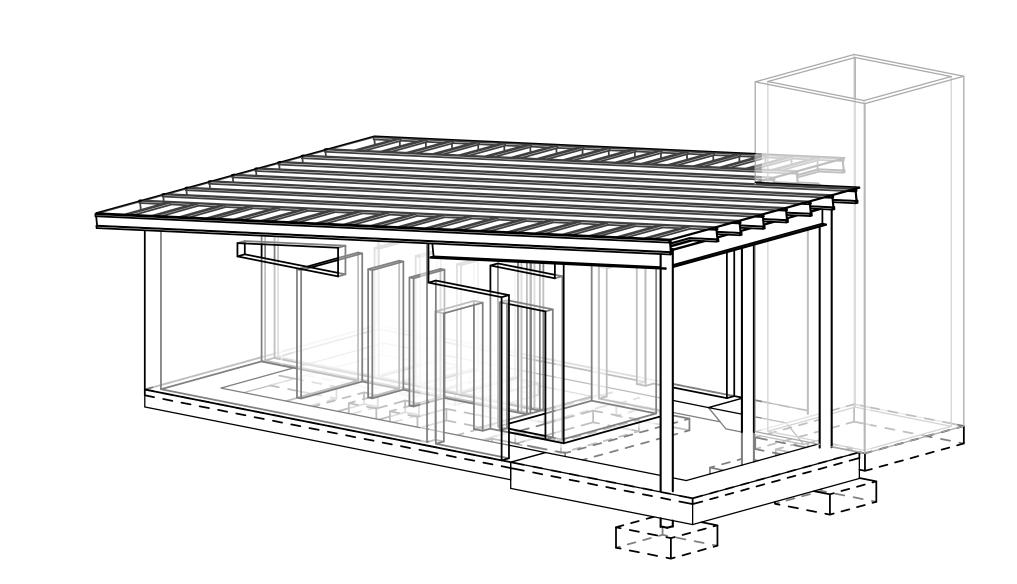
AREAS, LINEARLY INTERPOLATE BETWEEN VALUES

	2a		2a	
4a	3')	2')	3'	2a
			 a	
	2'		2	
4a	3')		3	









3D ISOMETRIC - RESTROOM

REVISIONS

NOTES

THOMAS DUKE

2345 HARPER STREET

JACKSONVILLE, FLORIDA 32204

(904) 356-3335

LIC. #AA 26001414

1 JUNE 2021 WIND PRESSURE DIAGRAM 3D ISOMETRICS

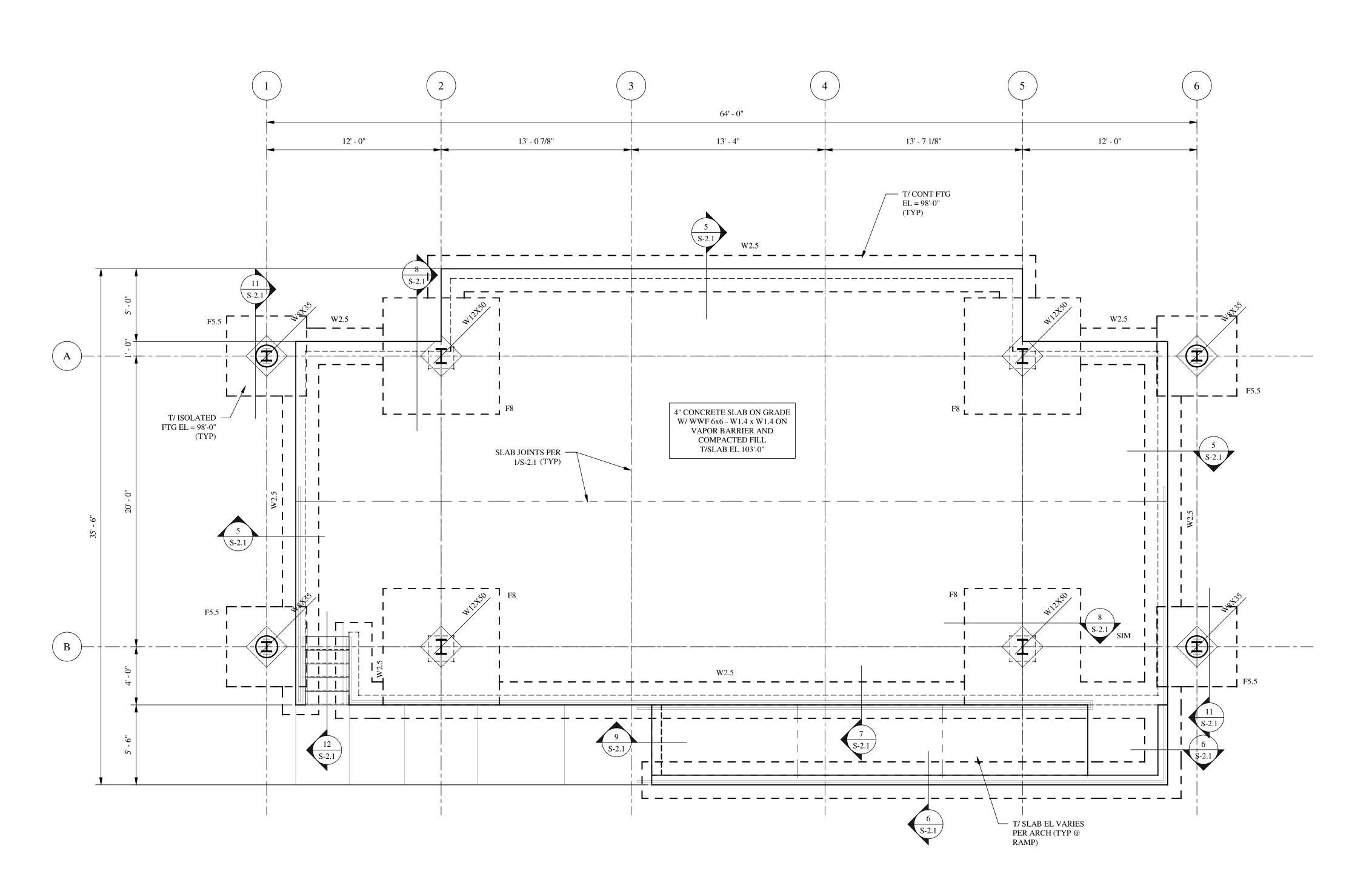
RELEASED FOR CONSTRUCTION

CHECKED BY: JML CLW

PROJECT NO. SHEET

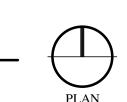
S-0.2

LOWE STRUCTURES, INC. 11651 Central Parkway, Suite 106 Jacksonville, FL 32224 (904) 992-0377 FL Cert of Auth: 28261 EOR: J. Matthew Lowe FL PE: 59027





PAVILION FOUNDATION PLAN

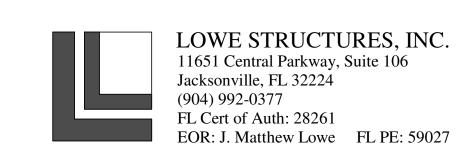


PLAN NOTES:
1. SEE S-0.1 FOR GENERAL NOTES AND DESIGN CRITERIA.

- 2. ALL ELEVATIONS ARE BASED ON A DATUM T/ SLAB ELEVATION OF 100'-0". COORD
- ACTUAL ELEVATION W/ CIVIL & ARCH. 3. W# & F# DENOTES FOOTING TYPE. SEE SCHEDULE FOR FOOTING SIZE & REINF.
- SEE 2/S-2.1 WHERE PIPES PENETRATE BUILDING PERIMETER.
 SEE 3/S-2.1 FOR REINF @ WALL FTG CORNERS.
 GC TO COORD ALL DIMS & ELEVATIONS W/ ARCH DWGS. ARCH WILL CONTROL IN THE
- EVENT OF CONFLICT.

			FOOT	ING SCHEDUI	LE PAVILION			
TVDE	LENCTH	WIDTH	DEDTH		BOTTOM REINF	TOP REINF	TOP REINF	DEMARKS
TYPE	LENGTH	WIDTH	DEPTH	(LONG WAY)	(SHORT WAY)	(LONG WAY)	(SHORT WAY)	REMARKS
F5.5	5' - 6"	5' - 6"	1' - 4"	7-#5	7-#5	-	-	
F8	8' - 0"	8' - 0"	1' - 6"	10-#6	10-#6	10-#6	10-#6	
W2.5	CONT	2' - 6"	1' - 2"	3-#5	#4 @ 24" OC	-	-	

DEPTHBOTTOM REINF (LONG WAY)BOTTOM REINF (SHORT WAY)TOP REINF (LONG WAY)TOP REINF (SHORT WAY)TOP REINF (SHORT WAY)1' - 4"7-#57-#5	
1' - 4" 7-#5	
7	RKS
1' - 6" 10-#6 10-#6 10-#6	
1' - 2" 3-#5 #4 @ 24" OC	



(904) 356-3335 LIC. #AA 26001414

JACKSONVILLE, FLORIDA 32204

REVISIONS

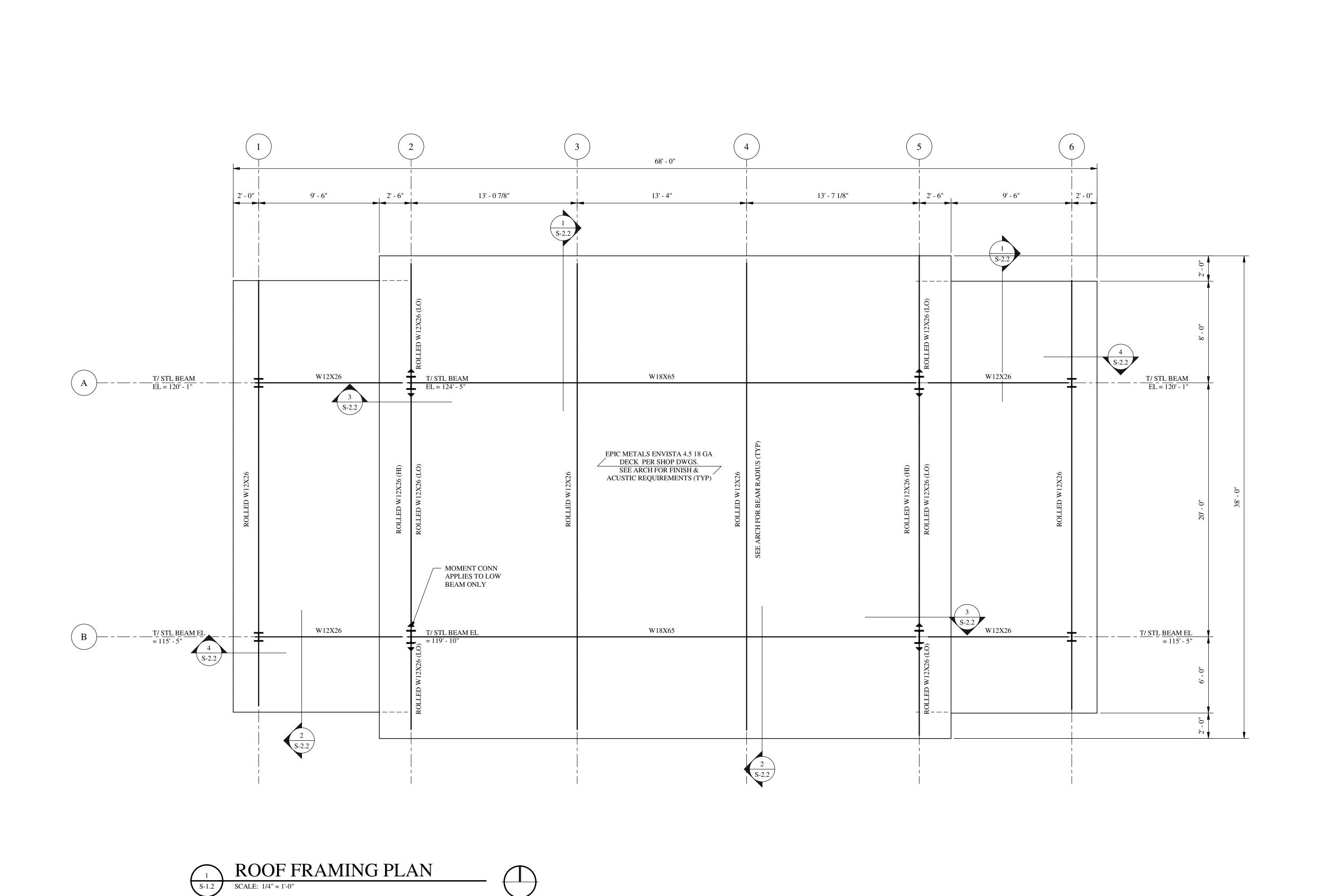
NOTES

RELEASED FOR CONSTRUCTION DATE 1 JUNE 2021 FOUNDATION

PLAN

CHECKED BY: JML CLW PROJECT NO.

S-1.1



1. ELEVATIONS ARE BASED ON TOP OF SLAB ON GRADE DATUM 100'-0".

FOR DESIGN CRITERIA AND GENERAL NOTES, SEE SHEET S-0.1.
 FOR DECK ATTACHMENT REQUIREMENTS SEE DETAIL ON 6/S-2.2.
 DENOTES MOMENT FRAME. SEE 5/S-2.2 FOR DETAIL.

RELEASED FOR CONSTRUCTION

DATE 1 JUNE 2021

REVISIONS

NOTES

THOMAS DUKE

2345 HARPER STREET

JACKSONVILLE, FLORIDA 32204

(904) 356-3335

LIC. #AA 26001414

NO DATE

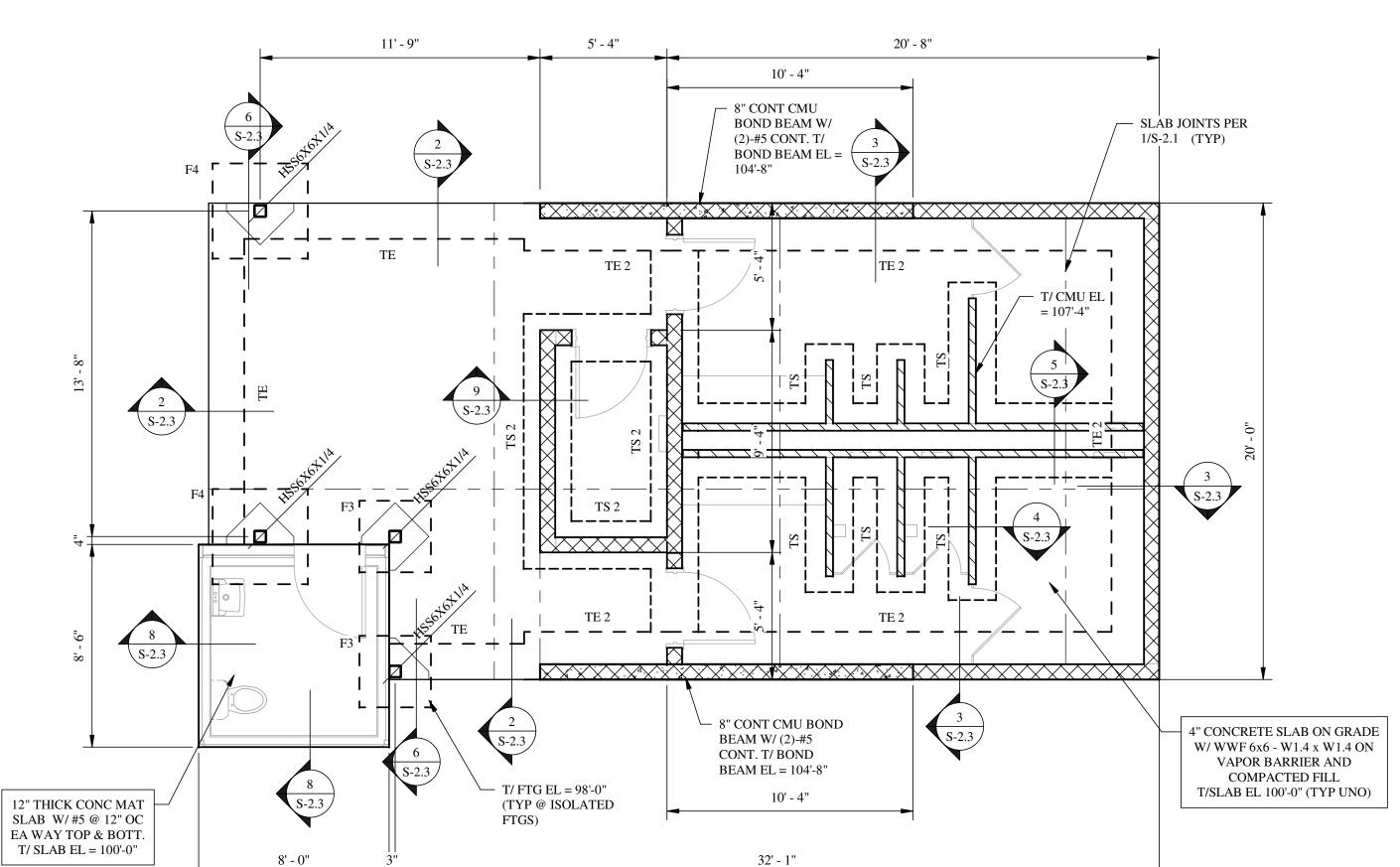
ROOF FRAMING PLAN

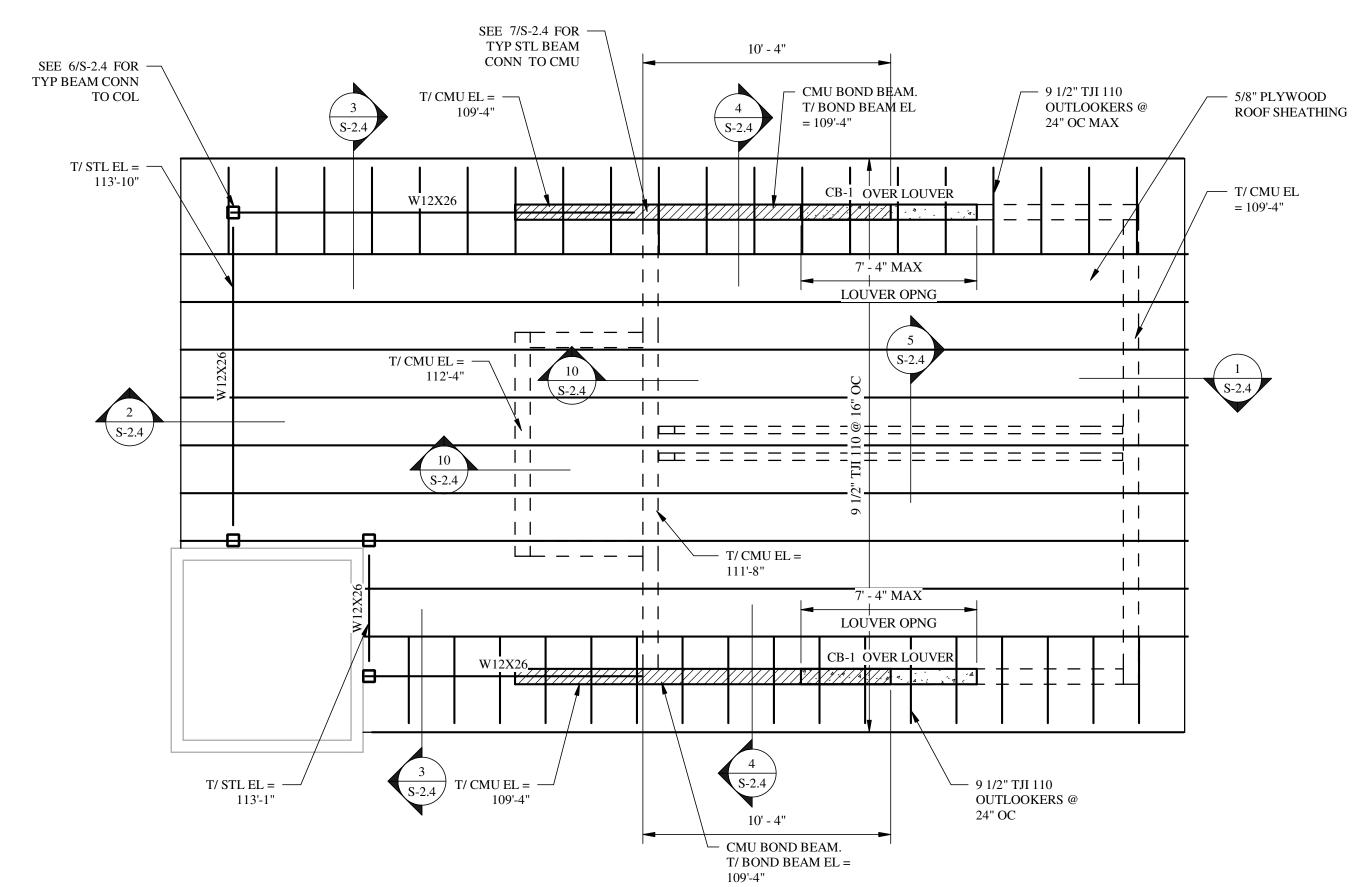
DRAWN BY: CLW CHECKED BY: JML
PROJECT NO. 1821

SHEET

S-1.2

LOWE STRUCTURES, INC.
11651 Central Parkway, Suite 106
Jacksonville, FL 32224
(904) 992-0377
FL Cert of Auth: 28261
EOR: J. Matthew Lowe FL PE: 59027





RESTROOM FOUNDATION PLAN S-1.3 SCALE: 1/4" = 1'-0"

PLAN NOTES:

- 1. SEE S-0.1 FOR GENERAL NOTES AND DESIGN CRITERIA. 2. CONTRACTOR TO COORD ALL DIMS & LAYOUT W/ ARCH PLAN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ARCH DIMS AND
- ELEVATIONS WILL CONTROL. 3. ALL ELEVATIONS ARE BASED ON A DATUM T/ SLAB ELEVATION OF
- 100'-0". COORD ELEVATION W/ CIVIL & ARCH.
- 4. SEE 1/S-2.3 WHERE PIPES PENETRATE BUILDING PERIMETER. 5. SEE 3/S-2.1 FOR REINF @ WALL FTG CORNERS.
- DENOTES NEW 8" CMU WALL LOCATION. SEE GEN NOTES FOR TYP WALL REINF CALLOUT AND 10/S-2.3 & 11/S-2.3 FOR TYP REINF

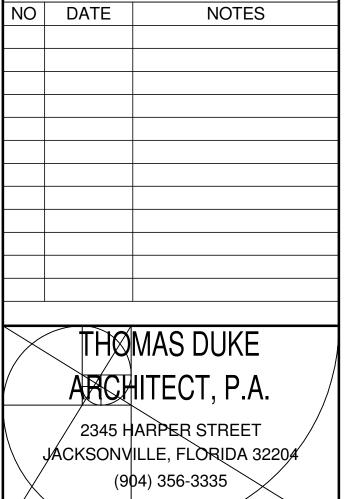


RESTROOM ROOF FRAMING PLAN

PLAN

- ELEVATIONS ARE BASED ON TOP OF SLAB ON GRADE DATUM 100'-0". COORD TRUSS BRNG ELEVATIONS AND SLOPE W/ ARCH.
- 3. FOR DESIGN CRITERIA AND GENERAL NOTES, SEE SHEET S-0.1.
- 4. SEE 9/S-2.4 FOR TYP ROOF & SHEARWALL SHEATHING ATTACHMENT DETAIL.
- 5. SEE 8/S-2.4 FOR TYP LINTEL AND CB-1 DETAILS.

FOOTING SCHEDULE RESTROOM								
TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINF (LONG WAY)	BOTTOM REINF (SHORT WAY)	TOP REINF (LONG WAY)	TOP REINF (SHORT WAY)	REMARKS
F3	3' - 0"	3' - 0"	1' - 2"	4-#5	4-#5	-	-	
F4	4' - 0"	4' - 0"	1' - 2"	5-#5	5-#5	-	-	



REVISIONS

LIC. #AA 26001414

RELEASED FOR CONSTRUCTION

RESTROOM

FOUNDATION

PLAN & ROOF

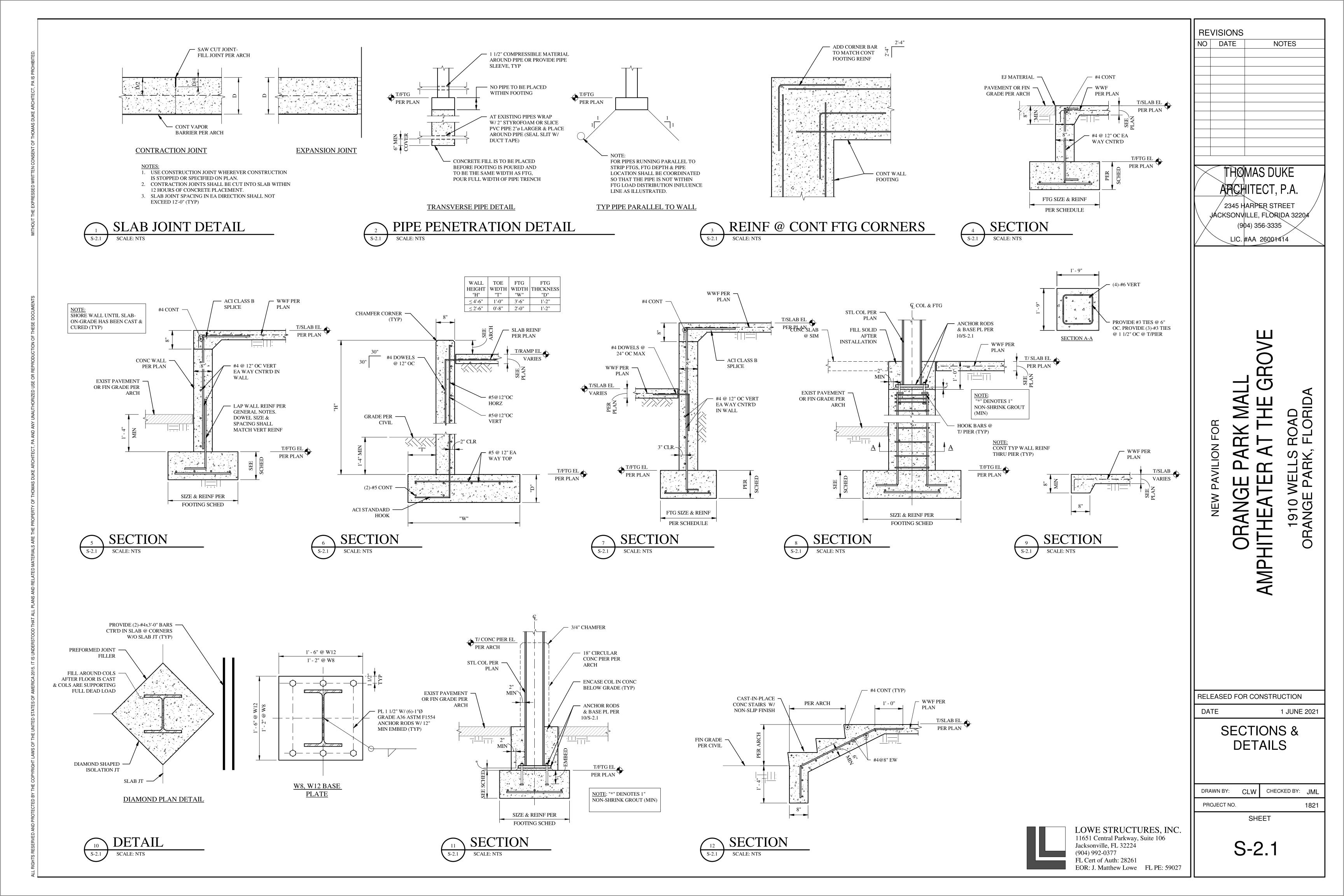
FRAMING PLAN

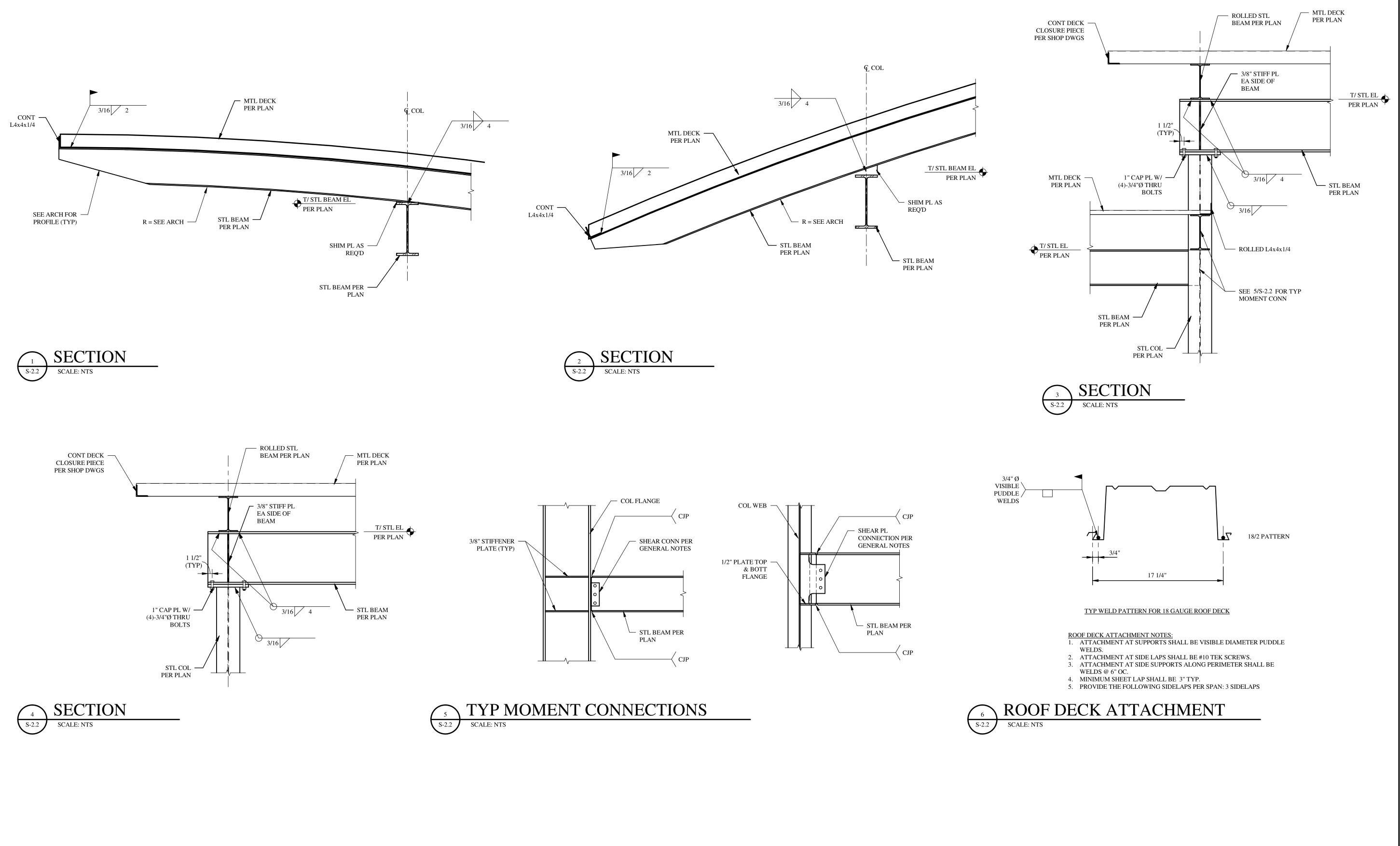
1 JUNE 2021

DATE

11651 Central Parkway, Suite 106 Jacksonville, FL 32224 (904) 992-0377 FL Cert of Auth: 28261 EOR: J. Matthew Lowe FL PE: 59027

DRAWN BY: CLW CHECKED BY: JML PROJECT NO. SHEET LOWE STRUCTURES, INC. S-1.3





LOWE STRUCTURES, INC. 11651 Central Parkway, Suite 106 Jacksonville, FL 32224 (904) 992-0377 FL Cert of Auth: 28261 EOR: J. Matthew Lowe FL PE: 59027

REVISIONS NO DATE NOTES THØMAS DUKE

2345 HARPER STREET

JACKSONVILLE, FLORIDA 3220A (904) 356-3335 LIC. #AA 26001414

RELEASED FOR CONSTRUCTION

DATE

PROJECT NO.

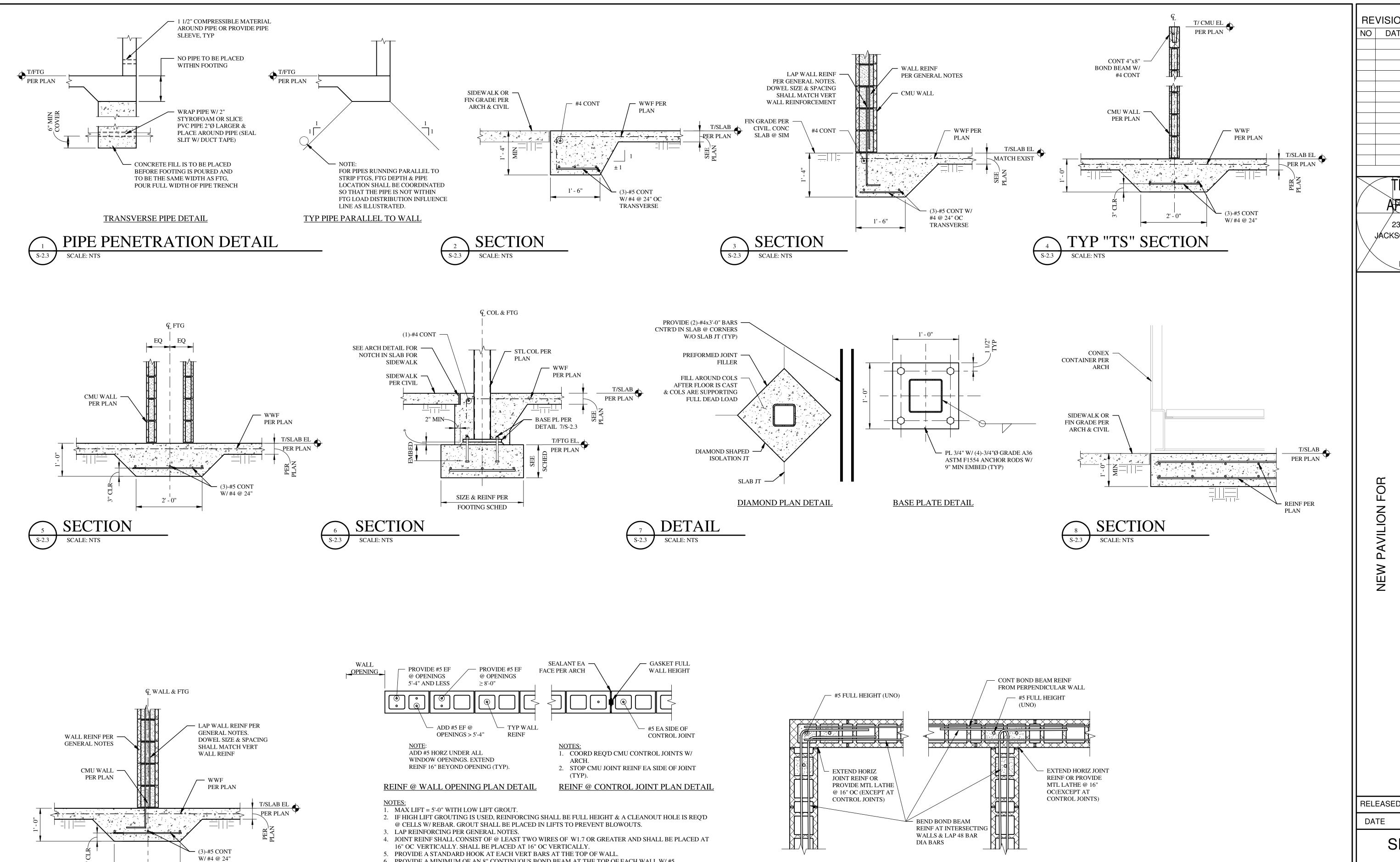
SECTIONS & **DETAILS**

1 JUNE 2021

CHECKED BY: JML CLW

SHEET

S-2.2



6. PROVIDE A MINIMUM OF AN 8" CONTINUOUS BOND BEAM AT THE TOP OF EACH WALL W/ #5

CONTINUOUS BOTT, UNO IN DETAILS.

TYP CMU REINF DETAILS

TYP "TS 2" SECTION

REVISIONS NO DATE NOTES THØMAS DUKE

2345 HARPER STREET MACKSONVILLE, FLORIDA 3220/4

(904) 356-3335 LIC. #AA 26001414

RELEASED FOR CONSTRUCTION

SECTIONS &

1 JUNE 2021

DETAILS

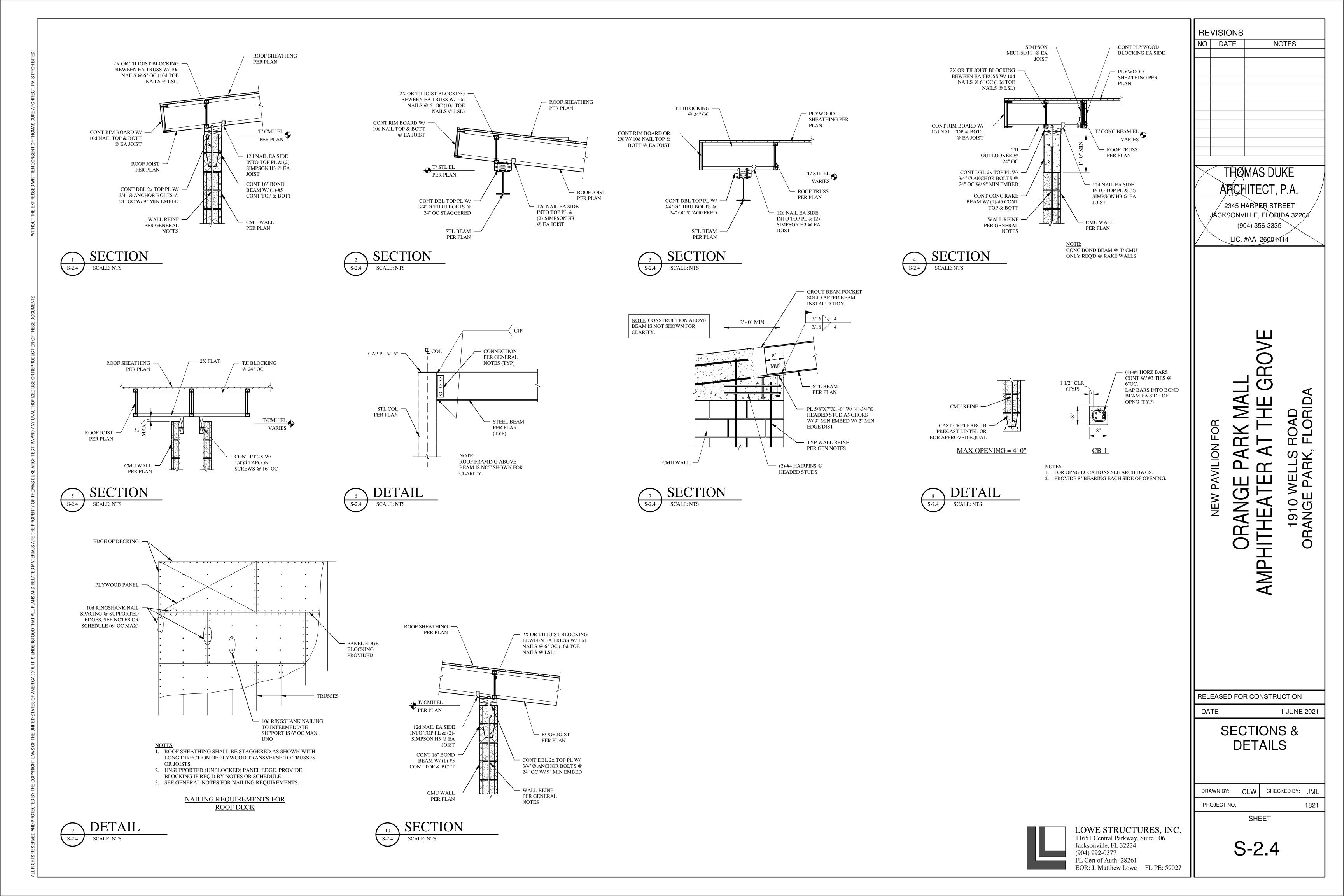
CLW CHECKED BY: JMI PROJECT NO.

SHEET

S-2.3



CMU WALL INTERSECTION DETAILS



			LIGHTING FIXTU	RE SCH	EDULE		
T/DE	A A A A U I E A CTU I DE D	CATALOGANIANED	LAMP		VOLTS	NATO LIFICUIT	NOTES
IYPE	MANUFACTURER	CATALOG NUMBER	SIZE	QUAN.	VOLTS	MTG. HEIGHT	NOTES
4	VISIONAIRE	VSX-II-T3-5L-4K-UNV-KM-BK-LDL	57W LED 4000K	NA	UNV	12'-0" A.F.G NOTE 4	POLE MOUNTED AREA LIGHT
В	VISIONAIRE	VBL1-4-T5-16LC-S-3-4K-UNV-AB- BK	18W LED 4000K	NA	UNV	GROUND	LED BOLLARD
C1	FC LIGHTING	FCF1109-UNV-3K-BK-MS-LD-SN9- JB	105W LED 3000K	NA	120-277	CEILING	LED FLOODLIGHT-NOTE 2
C2	FC LIGHTING	FCF1109-UNV-3K-BK-MF-LD-SN9- JB	105W LED 3000K	NA	120-277	CEILING	LED FLOODLIGHT-NOTE 2
C3	FC LIGHTING	FCF1109-UNV-3K-BK-WF-LD-SN9- JB	105W LED 3000K	NA	120-277	CEILING	LED FLOODLIGHT-NOTE 2
D1	HE WILLIAMS	76R-4-L30-40-DIM-UNV	21W LED 4000K	NA	120-277	CEILING	LED STRIP
D2	HE WILLIAMS	76R-4-L52-40-WG76R14-DIM-UNV	36W LED 4000K	NA	120-277	CEILING	LED STRIP
E1	BEGHELLI	EL-SE-205LED-B	NA	NA	120-277	CEILING	EMERGENCY LIGHT
<u> </u>	BEGHELLI	EL-SE-205LED-W	NA	NA	120-277	WALL - 8'0" A.F.F.	EMERGENCY LIGHT
=	FC LIGHTING	FCSL540-UNV-4K-5L-XX	8W LED 4000K	NA	120-277	NOTE 3	LED STEP LIGHT-NOTE 6
G	GARDCO	ECF-S-48L-1.2-NW-G2-SF-UNV-DD- SP2-BK	183W LED 4000K	NA	UNV	30'-0" A.F.G NOTE 5	POLE MOUNTED AREA LIGHT
Н	LITON	LCMPD7R-W-UE-D10-T40	14W LED 4000K	NA	120-277	CEILING	LED SURFACE MOUNT
J	FC LIGHTING	FCF1103-UNV-3K-BK-WFL	7W LED 3000K	NA	120-277	CEILING	LED FLOODLIGHT-NOTE 2
K	ORGATECH	1400-6'-LH-40-U-ND-15-SO-SO- A18	42W LED 4000K	NA	120-277	WALL - NOTE 7	LED SIGN LIGHT

LIGHTING FIXTURE SCHEDULE NOTES:

- 1. SET FIXTURE TO HIGH OUTPUT AND INSTALL MEDIUM FLOOD OPTIC LENS. TURN OVER SPARE LENSES TO OWNER.
- 2. INSTALL FIXTURE TO FACE OF BEAM ON CAST METAL BOX RATED FOR 50LB LOAD. SECURE THREADED FITTING TO BOX AND INCLUDE LOCK NUT ON BACK SIDE 3. INSTALL FIXTURE 12" ABOVE STAIR TREAD OR WALK SURFACE.
- 4. INSTALL FIXTURE ON A 16' DIRECT BURIED POLE FOR 12' MOUNTING HEIGHT. POLE TO BE CMT #TB16-B-50-HS-T238. ASSEMBLY SHALL WITHAND 130 MPH WIND.
 5. INSTALL FIXTURE ON A 38' DIRECT BURIED POLE FOR 30' MOUNTING HEIGHT. POLE TO BE CMT #TB38-D-50-HS-T238. ASSEMBLY SHALL WITHSTAND 130 MPH WIND.
- 6. OWNER/ARCHITECT TO SELECT FINISH COLOR.7. MOUNT AS HIGH ON WALL AS POSSIBLE.

		MOUNTING:	SURFACE		Г	1 \ (ΝE	D	C		VOLTS & PHASE:	208/120V, 3 PHASE, 4 WIRE	
		STYLE:	SQ. D NQ		Г	AI	V C	LF	3		AMPS:	600	
		ENCLOSURE TYPE:	NEMA 3R								M.C.B. OR M.L.O:	MCB	,
											AIC RATING	42,000A	\
	CIR			BREA	AKER	LOAD	PHASI	LOAD	BRE	AKER			CIR
	NUM	DESCRIPTION	WIRE/CONDUIT	SIZE	POLE	KVA	АВС	KVA	POLE	SIZE	WIRE/CONDUIT	DESCRIPTION	NUM
24	1	DIGITAL SIGN	(2)#8, #8G, 1"	20	1	1.8	Х	0.3	2	20	#10, #10G, 1"	POLE LIGHTING	2
	3	DIGITAL SIGN	(2)#8, #8G, 1"	20	1	1.8	Х	0.3)	4
	5	FOOD TRUCK #1	(3)#3,#4G,1 1/2"	50	2	4.1	x	0.4	2	20	#12, #12G, 1"	BOLLARD LIGHTING	6
	7)				4.1	х	0.4)	8
	9	FOOD TRUCK #2	(3)#3,#4G,1 1/2"	50	2	4.1	Х	1.5	1	20	#12, #12G, 1/2"	STAGE LIGHTING FRONT/SIDE	10
	11)				4.1	X	1.5	1	20	#12, #12G, 1/2"	STAGE LIGHTING BACK	12
	13	FOOD TRUCK #3	(3)#3,#4G,1 1/2"	50	2	4.1	х	0.3	1	20	#12, #12G, 1/2"	LIGHTING-STORAGE/STAIRS	14
	15)				4.1	Х		1	20		SPARE	16
	17	FOOD TRUCK #4	(3)#3,#4G,1 1/2"	50	2	4.1	x		1	20		SPARE	18
	19)				4.1	х		1	20		SPARE	20
	21	STAGE RECEPTACLE	(3)#8, #10G, 1"	50	2	4.1	Х		1	20		SPARE	22
	23)				4.1	x		1	20		SPARE	24
	25	SPARE		20	1		х	7.2	3	100	(4)#3,#8G,1 1/4"	RESTROOM BLDG	26
	27	SPACE					Х	6.4)	28
	29	RR STAGE REC	#12, #12G, 1/2"	20	1	0.4	x	4.3)	30
	31	RF STAGE REC	#12, #12G, 1/2"	20	1	0.2	х	19.0	3	200	(4)#3/0, #6G, 2"	SHOW PANEL	32
	33	LR STAGE REC	#12, #12G, 1/2"	20	1	0.4	Х	19.0)	34
	35	LF STAGE REC	#12, #12G, 1/2"	20	1	0.2	X	19.0)	36
	37	OFFSTAGE REC	#12, #12G, 1/2"	20	1	0.7	х		3	60		SPD	38
	39	SPACE					Х)	40
	41	SPACE					x)	42
	43	SPACE					х					SPACE	44
	45	SPACE					х					SPACE	46
	47	SPACE					x					SPACE	48
	49	SPACE					х					SPACE	50
	51	SPACE					Х					SPACE	52
	53	SPACE					Х					SPACE	54
		PANEL LOAD	KVA	AMPS	,						NOTES:		
		PHASE A	42.2	351							1, 3		
		PHASE B	41.7	347									
		PHASE C	42.2	351				_					
		TOTAL	126.1	350	@ 20	8V, 3 F	PHASE						

	MOUNTING: STYLE:	SURFACE SQ. D NQ		P	1A ^c	۱EI	_ P	R		VOLTS & PHASE: AMPS:	208/120V, 3 PHASE, 4 WIRE	
	ENCLOSURE TYPE:	NEMA 1								M.C.B. OR M.L.O:		
	ENCLOSONE III E.	NEWA								AIC RATING	42,000A	
CIR			BREA	AKER	LOAD	PHASE	LOAD	BREA	AKER		,	CIR
NUM	DESCRIPTION	WIRE/CONDUIT		POLE	t	АВС	_			WIRE/CONDUIT	DESCRIPTION	NUM
1	LIGHTING	#12, #12G, 1/2"	20	1	0.5	х	2.3	2	30	#10, #10G, 3/4"	EWH	2
3	RECEPTACLES	#12, #12G, 1/2"	20	1	0.7	x	2.3)	4
5	FAUCET RECEPTACLES	#12, #12G, 1/2"	20	1	0.9] x	1.7	2	20		FUTURE HEATER	6
7	EF'S	#12, #12G, 1/2"	20	1	1.0	x	1.7)	8
9	SPARE		20	1		х	1.7	2	20		FUTURE HEATER	10
11	SPARE		20	1] x	1.7)	12
13	SPARE		20	1		x	1.7	2	20		FUTURE HEATER	14
15	SPARE		20	1		X	1.7)	16
17	SPARE		20	1] x					SPACE	18
19	SPACE					x		3	60		SPD	20
21	SPACE					Х)	22
23	SPACE					x)	24
25						х						26
27						x						28
29						x						30
31]x						32
33						X						34
35] x						36
37]x						38
39						Х						40
41						Х						42
	PANEL LOAD	KVA	AMPS							NOTES:		
	PHASE A	7.2	60							1		
	PHASE B	6.4	53									
	PHASE C	4.3	35				_					
	TOTAL	17.9	49	@ 20	8V, 3 I	PHASE						

GENERAL NOTES:

WITH ARCHITECTURAL DRAWINGS.

PHASE CONDUCTORS.

1. ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIXTURE LOCATIONS AND MOUNTING HEIGHT

3. SEPARATE GREEN GROUND CONDUCTOR SHALL BE ROUTED IN ALL CONDUITS WITH ALL

ASSOCIATED WITH WIRING AND CONNECTION OF INTERLOCKING AND CONTROLS OF

5. BRANCH CIRCUITS ARE INDICATED AS ONE CIRCUIT HOME RUNS FOR CLARITY ONLY,

BY ROUTING IN CEILING SPACE, NO EXTERIOR CONDUIT WILL BE ACCEPTED.

8. COMPLETE SYSTEM SHALL BE GROUNDED PER N.E.C ARTICLE 250.

ELECTRICAL CONTRACTOR MAY GROUP SINGLE POLE BRANCH CIRCUITS IN MULTIPLE

CIRCUITS HOME RUNS. (2 CIRCUITS MAX @ 120/240V. 1ø; 3 CIRCUITS MAX @ 120/208V,

3\(\rho\)). A GROUND CONDUCTOR SIZED PER N.E.C. ARTICLE 250 IS REQUIRED IN ALL POWER,

6. ALL EXTERIOR CONDUIT FOR ROOF MOUNTED EQUIPMENT AND WIRING SHALL BE MINIMIZED

7. ALL CONDUITS SHALL BE CONCEALED IN WALL SPACE, CEILING SPACE OR UNDER FLOOR,

9. ALL BRANCH CIRCUIT WIRE SIZE SHALL BE MINIMUM #12 AWG COPPER. PULL EQUIPMENT

10. ELECTRICAL CONTRACTOR SHALL PROVIDE PROPER NUMBER AND SIZE CONDUCTOR PER

N.E.C.. ELECTRICAL CONTRACTOR SHALL PROVIDE AT EACH PANELBOARD A TYPED CIRCUIT

CONTRACTOR INCLUDING BOTH POWER AND CONTROL WIRING. ELECTRICAL CONTRACTOR

SHALL REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS

4. ALL MECHANICAL EQUIPMENT SHALL BE COMPLETELY CONNECTED BY ELECTRICAL

2. REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.

MECHANICAL UNITS AND THERMOSTAT LOCATIONS.

RECEPTACLES AND LIGHTING CONDUITS.

NO EXPOSED CONDUITS PERMITTED.

GROUND IN ALL RACEWAYS, PER N.E.C.

DIRECTORY WITH PROTECTIVE PLASTIC SLEEVE.

PANEL SCHEDULE NOTES:

- 1. CIRCUITS MAY BE GANGED TOGETHER WITH THE WIRE SIZES INDICATED FOR UP TO THREE CURRENT CARRYING CONDUCTORS IN A CONDUIT. WHEN THE NUMBER OF CURRENT CARRYING CONDUCTORS EXCEEDS THREE, WIRES SHALL BE UPSIZED AND DERATED IN ACCORDANCE WITH NEC TABLE 310.15(B)(2)(a). CONDUIT SIZES SHALL BE ADJUSTED TO COMPLY WITH NEC TABLES FOR CONDUCTOR FILL BASED ON CONDUIT TYPE.
- 2. GANG TOGETHER IN A SINGLE 1" CONDUIT.
- 3. PROVIDE FEED THROUGH LUGS.

ELECTRICAL LEGEND

SAME AS ABOVE EXCEPT WITH EMERGENCY BATTERY BALLAST.

- -- BOLLARD LIGHTING FIXTURE
- SURFACE MOUNTED LIGHTING FIXTURE
- O- POLE MOUNTED LIGHTING FIXTURE.
- LIGHTING FIXTURE SURFACE MOUNTED.
- -(FLOOD LIGHT.
- EMERGENCY LIGHTING FIXTURE. DO NOT SWITCH.
 - TOGGLE SWITCH SINGLE POLE QUIET TYPE 20 AMP, 120/277 VOLT, WITH WHITE MID-SIZED THERMOPLASTIC COVERPLATE 46" MOUNTING HEIGHT, U.N.O.
- OCCUPANCY SENSOR WALL SWITCH WATTSTOPPER #DSW-301-W. 46" MOUNTING HEIGHT, U.N.O.
- DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20 AMP, 120 VOLT, 3 WIRE GROUNDING. HUBBELL NO. GF5352IA WITH NO. HPS1W COVERPLATE, 42" MOUNTING HEIGHT, U.N.O. EXTERIOR LOCATIONS SHALL BE 18".
- SPECIAL PURPOSE RECEPTACLE COMPLETE WITH COVERPLATE. SEE FLOOR PLAN
- FOR COMPLETE CONFIGURATION.
- JUNCTION BOX SIZE PER NEC.
- MOTOR, FAN, PUMP OR AIR CONDITIONING UNIT CONNECTION PER NEC.
 - LIGHTING AND/OR POWER PANELBOARD.

WIRING IN CONDUIT, RUN CONCEALED IN SLAB OR UNDERGROUND.

WIRING IN CONDUIT, RUN CONCEALED ABOVE CEILING OR IN WALLS.

HOMERUN TO PANELBOARD — NUMBER OF ARROWS DENOTES QUANTITY OF CIRCUITS. CROSSMARKS INDICATE QUANTITY OF NO. 12 CONDUCTORS. RUNS VOID OF CROSSMARKS ARE 1/2 INCH CONDUIT, 3 NO. 12, U.N.O. DO NOT COMBINE HOMERUNS EXCEPT AS SPECIFICALLY INDICATED ON THE PLAN.

 \square 3 $\frac{60}{40}$ DISCONNECT SWITCH, "3 60/40" DENOTES 3 POLE, 60 AMP, 40 AMP FUSES.

DENOTES WEATHERPROOF WHILE-IN-USE - MOUNT RECEPTACLE VERTICALLY AND PROVIDE TAYMAC MK3200 COVERPLATE.

U.N.O. UNLESS NOTED OTHERWISE.

AFF ABOVE FINISHED FLOOR.

AC DENOTES MOUNTED ABOVE COUNTER HEIGHT.

C DENOTES MOUNTED RECCESSED IN CEILING SOFFIT.

GG GREEN GROUND CONDUCTOR.

E.C. EMPTY CONDUIT WITH PULL WIRE/CORD.

NL NIGHT LIGHT

FLORIDA ENERGY CODE NOTES:

C405.6.4 COMPLETION REQUIREMENTS.
C405.6.4.1 DRAWINGS. WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER,

- 1. A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND 2. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION. C405.6.4.2 MANUALS. AN OPERATING MANUAL AND MAINTENANCE MANUAL SHALL BE PROVIDED TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:
- 1. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
- 2. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE
- CLEARLY IDENTIFIED.

 3. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.

C408.3.1 FUNCTIONAL TESTING.

PRIOR TO PASSING FINAL INSPECTION, A REGISTERED DESIGN PROFESSIONAL SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH SECTIONS C408.3.1.1 AND C408.3.1.2 OF THE FLORIDA ENERGY EFFICIENCY CODE FOR THE APPLICABLE CONTROL TYPE. CONTRACTOR IS RESPONSIBLE FOR CONTRACT WITH DESIGN PROFESSIONAL FOR REQUIRED FUNCTIONAL TESTING.

PRIOR TO FINAL UNDERGROUND CONDUIT ROUTING AND INSTALLATION, CONTRACTOR SHALL COORDINATE ALL SITE LIGHTING FIXTURE AND POST MOUNTED RECEPTACLES LOCATIONS WITH OWNER.



RE'	VISION	S
NO.	DATE	NOTES
	+11	

THOMAS DUKE ARCHITECT, P.A.

2345 HARPER STREET
JACKSONVILLE, FLORIDA 32204
(904) 356-3335

LIC. #AA 26001414

OR MALL THE GROVE OAD

 \geq

ORANGE PARK MAL AMPHITHEATER AT THE 1910 WELLS ROAD

 \triangleleft

Z

 \triangleleft

 \cong

NOT RELEASED FOR CONSTRUCTION

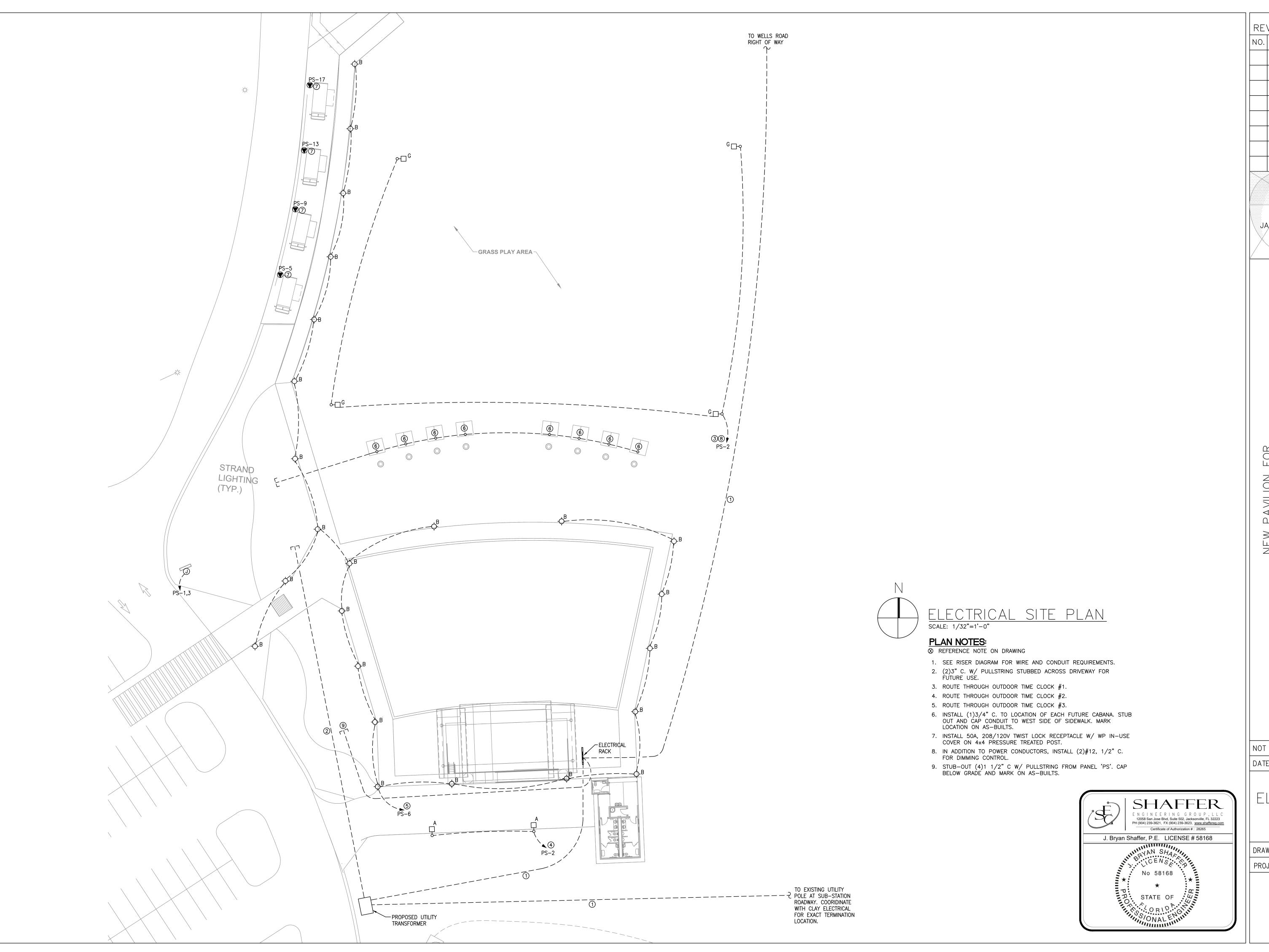
DATE: 28 MAY 2021

ELECTRICAL LEGEND, NOTES & SCHEDULES

DRAWN BY: MEM CHECKED BY: JBS
PROJECT NO. 1821

SHEET

E — 1 . O



RE'	VISION	S
NO.	DATE	NOTES
	TH	MAS DUKE

ARCHITECT, P.A.

2345 HARPER STREET
JACKSONVILLE, FLORIDA 32204
(904) 356-3335

LIC. #AA 26001414

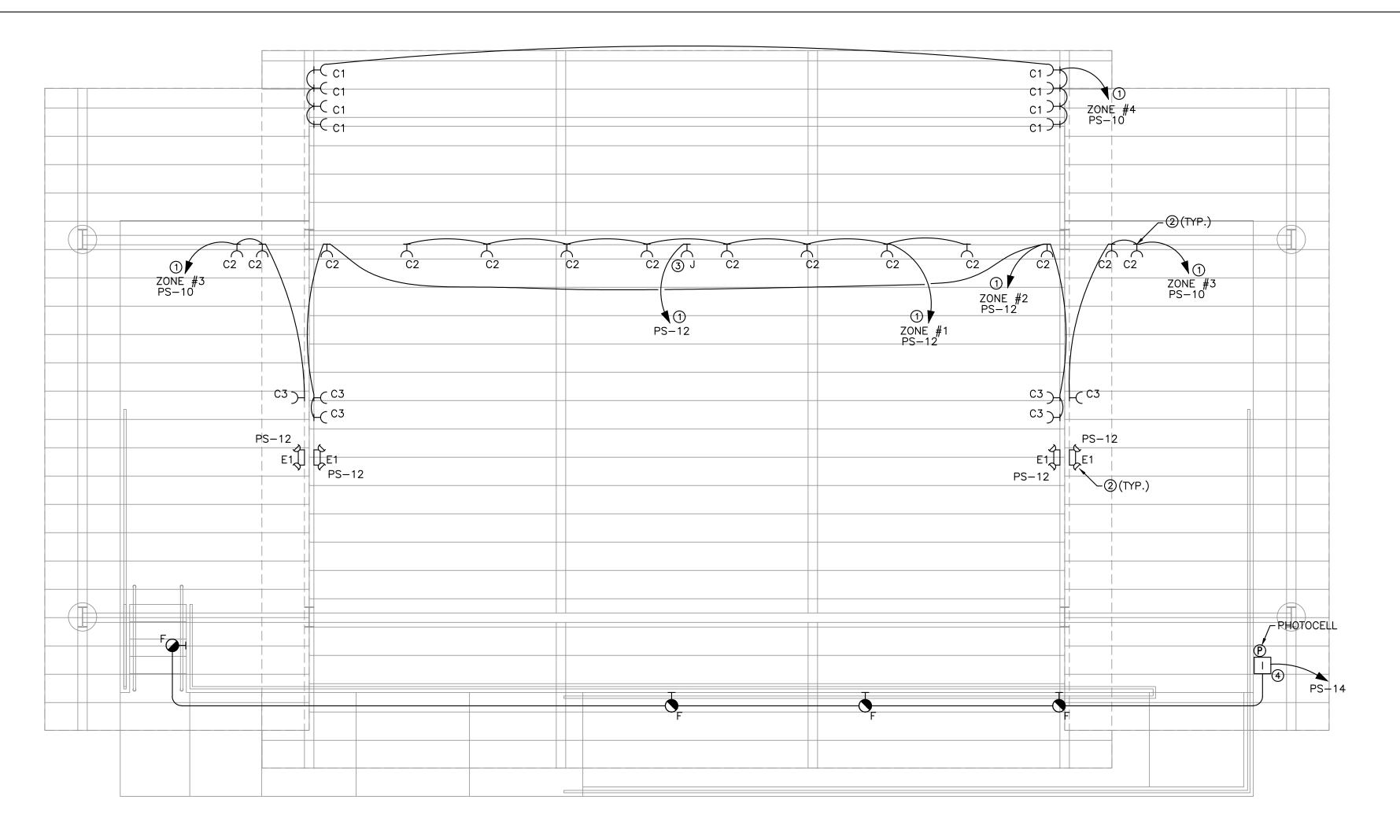
ORANGE PARK MALL
AMPHITHEATER AT THE G
1910 WELLS ROAD

NOT RELEASED FOR CONSTRUCTION

DATE: 28 MAY 2021

ELECTRICAL SITE PLAN

DRAWN BY: MEM CHECKED BY: JBS
PROJECT NO. 1821



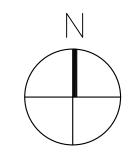


ELECTRICAL LIGHTING PLAN-PAVLION SCALE: 1/4"=1'-0"

PLAN NOTES:

⊗ REFERENCE NOTE ON DRAWING

- 1. ROUTE THROUGH DIMMING/CONTROLS.
- 2. INSTALL AT ROOF BEAM STRUCTURE. 3. FIXTURE TO OPERATE AS SECURITY/NIGHTLIGHT. ROUTE THROUGH
- PHOTOCELL/SWITCH.
- 4. EMERGENCY INVERTER. SEE DETAIL. INSTALL IN NEMA 3R ENCLOSURE.

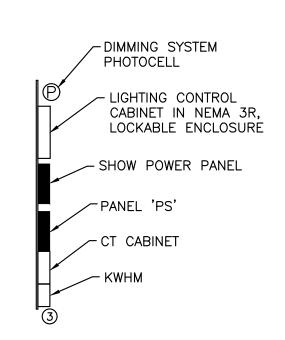


ELECTRICAL POWER/SYSTEMS PLAN-PAVLION SCALE: 1/4"=1'-0"

PLAN NOTES:

⊗ REFERENCE NOTE ON DRAWING

- 1. LOCATION OF COMMUNICATION CONDUIT STUB-UP FROM RIGHT OF WAY.
- 2. INSTALL A 50A, 208/120V TWIST LOCK RECEPTACLE WITH A WP COVER.
- 3. COORDINATE EXACT LOCATION WITH OWNER.





REVISIONS NO. DATE NOTES THOMAS DUKE

ARCHITECT, P.A.

2345 HARPER STREET JACKSONVILLE, FLORIDA 32204 (904) 356-3335

LIC. #AA 26001414

ROAD FLORID,

NOI

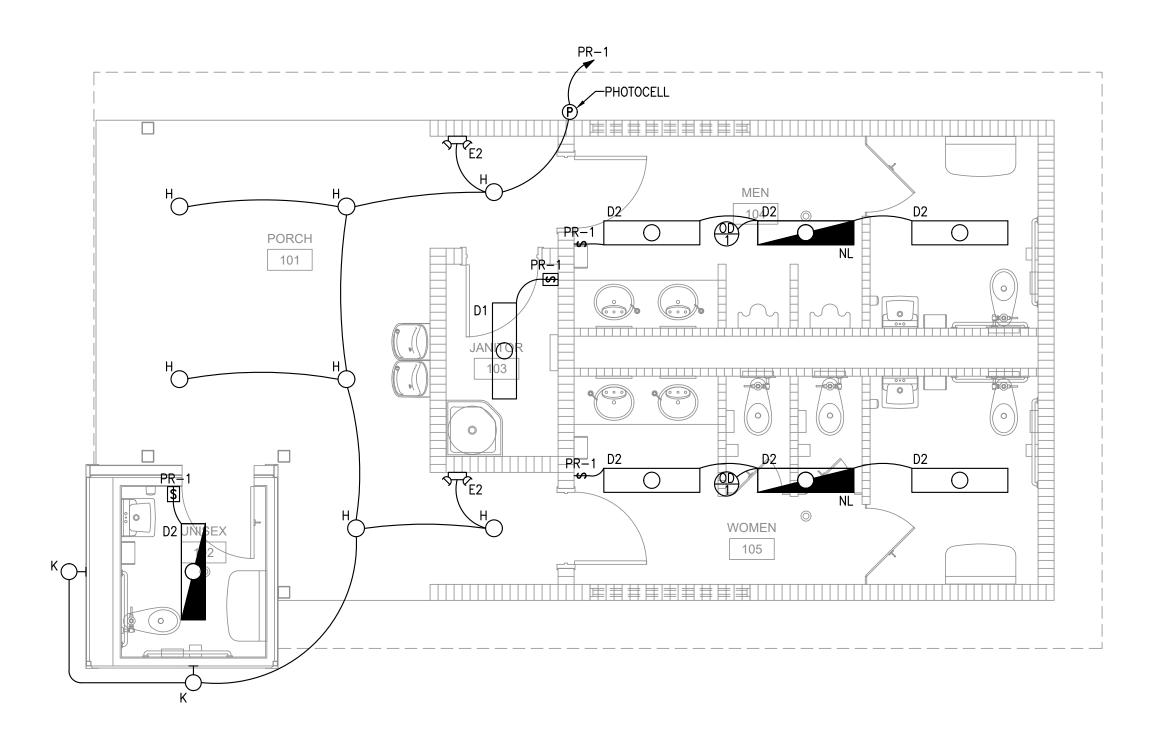
NOT RELEASED FOR CONSTRUCTION

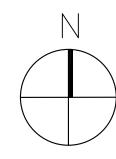
DATE: 28 MAY 2021

PAVILION ELECTRICAL PLANS

CHECKED BY: JBS DRAWN BY: MEM PROJECT NO.

PS-37 WP	PS-35 WP	PS-31	PS-37 WP
PS-37 WP	PS-33 PS-33 WP WP WP WP WP WP WP	PS-29 WP PS-29 2 WP PB-21	PS-37 WP



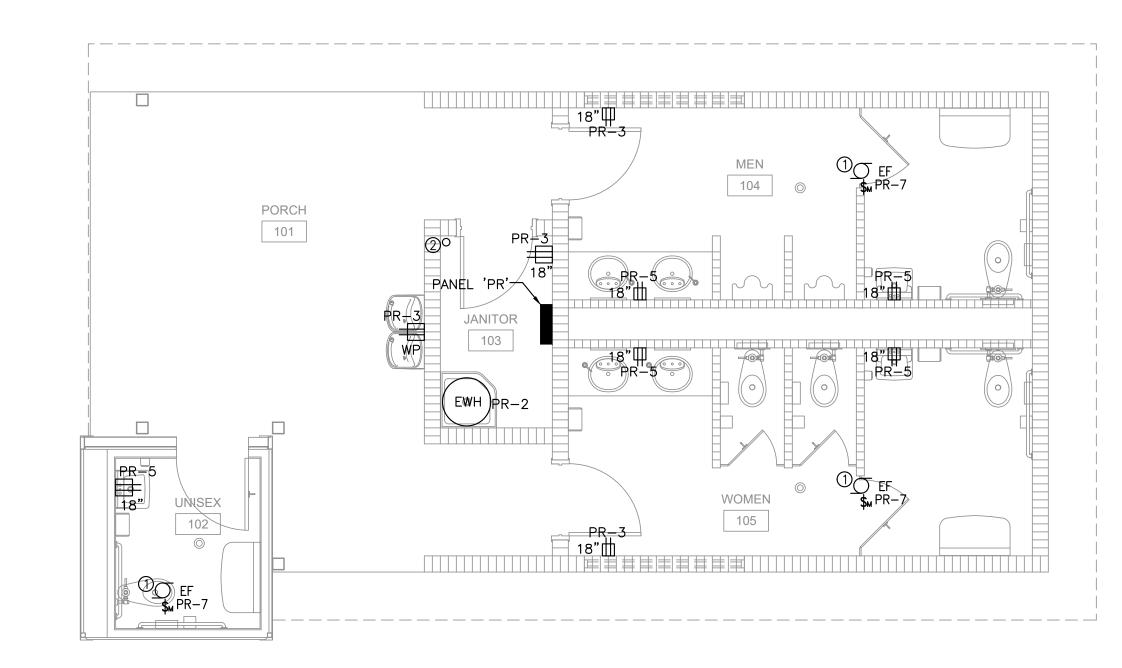


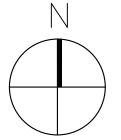
ELECTRICAL LIGHTING PLAN-RESTROOMS SCALE: 1/4"=1'-0"

PLAN NOTES: ⊗ reference note on drawing

1. CONNECT EMERGENCY LIGHTING TO CONSTANT HOT AND SWITCHED CONDUCTORS UNLESS NOTED OTHERWISE.

GENERAL NOTES



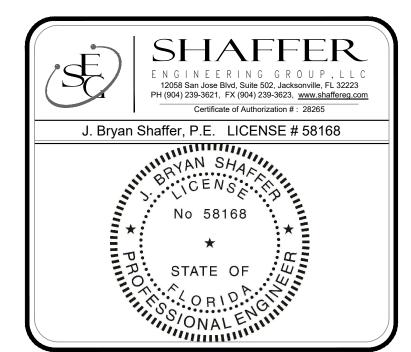


ELECTRICAL POWER/SYSTEMS PLAN-RESTROOMS
scale: 1/4"=1'-0"

PLAN NOTES:

1. VERIFY FAN CONTROL METHOD WITH MECHANICAL CONTRACTOR.

2. LOW VOLTAGE CONDUIT STUB-UP LOCATION.



RE۱	/ISION	S
NO.	DATE	NOTES

THOMAS DUKE

2345 HARPER STREET
JACKSONVILLE, FLORIDA 32204 (904) 356-3335

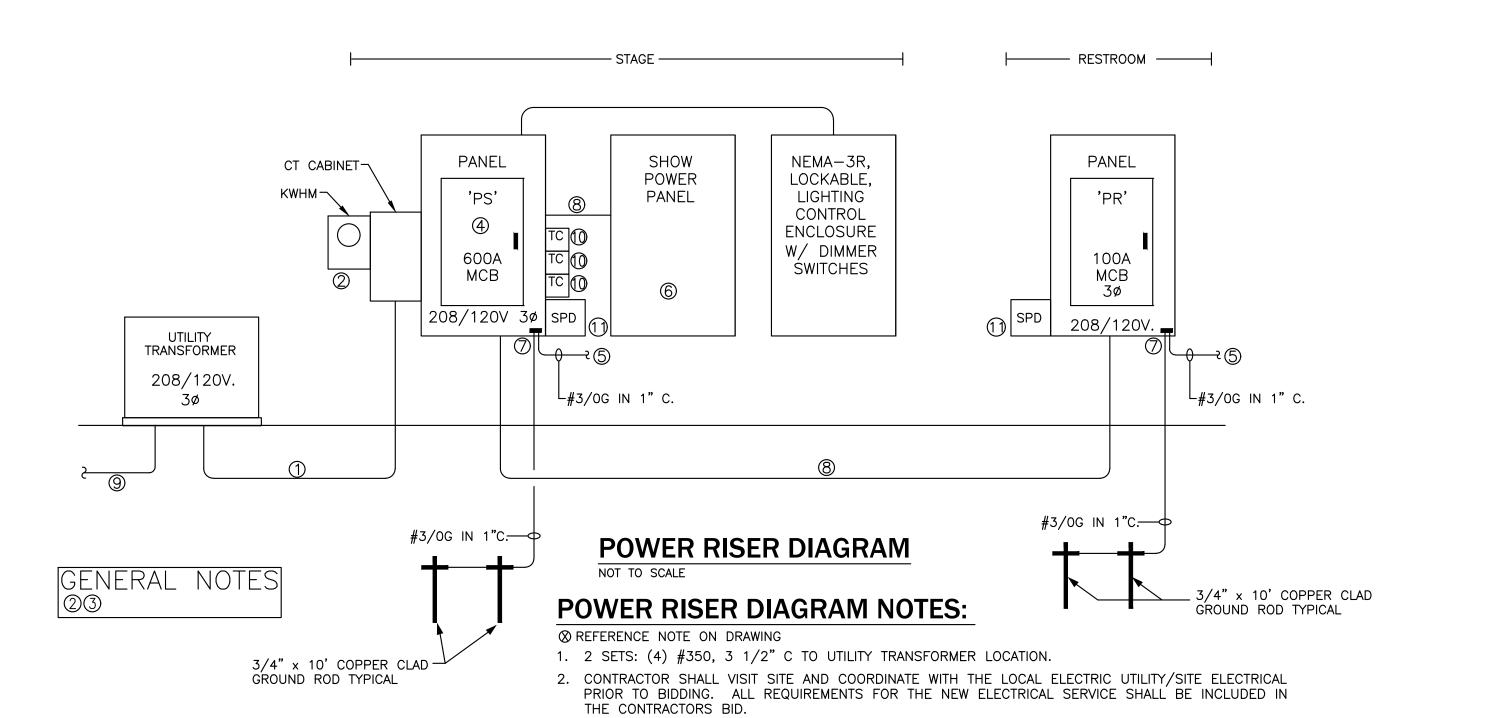
LIC. #AA 26001414

NOT RELEASED FOR CONSTRUCTION

DATE: 28 MAY 2021

RESTROOMS ELECTRICAL PLANS

CHECKED BY: JBS DRAWN BY: MEM PROJECT NO.



3. ALL CONDUCTOR SIZES BASED ON COPPER CONDUCTORS.

8. SEE PANEL SCHEDULE FOR WIRE AND CONDUIT REQUIREMENTS.

11. SURGE PROTECTOR TO BE ASCO #430 (150KA) OR EQUAL.

FAULT CURRENT INFO FROM UTILITY.

AND INTERSYSTEM BONDING TERMINAL.

10. TIMECLOCK TO BE TORK #DG-100.

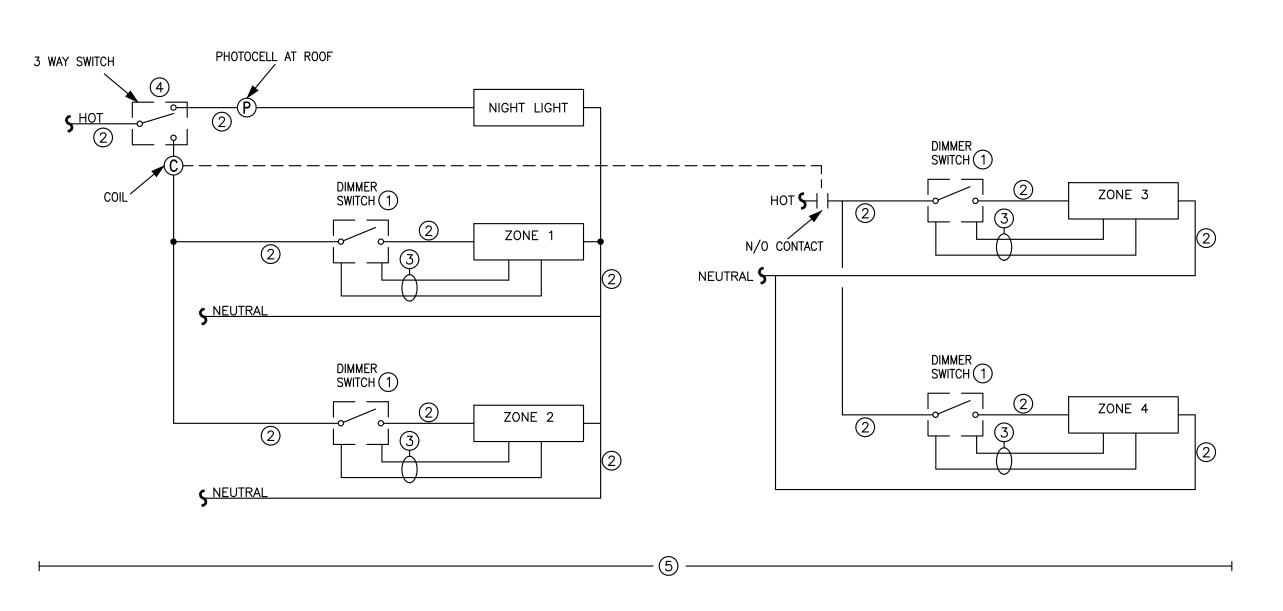
7. PROVIDE INTER-SYSTEM GROUNDING TERMINAL.

4. PROVIDE BAKED ENAMEL SIGN INDICATING CALCULATED FAULT CURRENT AND DATE CALCULATED. OBTAIN

5. CONNECT GROUND TO BUILDING FOUNDATION REBAR, BUILDING STEEL, METAL WATER SERVICE PIPE,

9. (2)4" PVC W/ LONGSWEEP 36" RADIUS FIBERGLASS 90'S FOR PRIMARY. AS DIRECTED BY UTILITY.

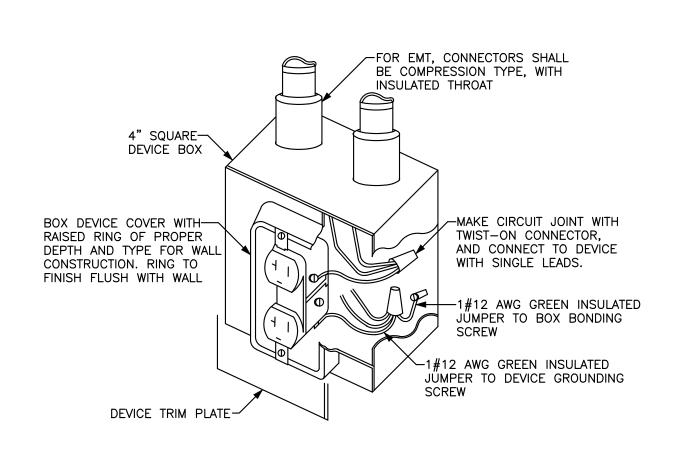
6. SHOW POWER PANEL SHALL BE ESL #CS2-200-208Y/120-65-311-LS-6W3.



BANDSHELL LIGHTING CONTROL DIAGRAM

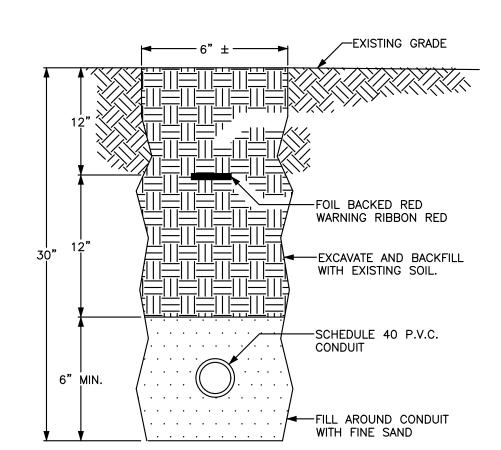
NOTES:

- 1) INSTALL LUTRON NOVA-T 0-10V DIMMER SWITCH.
- 2 POWER WIRING IN CONDUIT.
- 3 0-10V DIMMING CABLES IN CONDUIT.
- (4) NIGHT LIGHT SHALL PROVIDE SECURITY LIGHTING UNTIL EVENT. AT EVENT TIME THREE—WAY SWITCH SHALL BE SWITCHED TO DIMMER POSITION AND ALL STAGE LIGHTS WILL OPERATE VIA DIMMERS. UPON EVENT COMPLETION SWITCH SHALL BE SWITCHED TO NIGHT LIGHT POSITION. PROVIDE LABEL ON SWITCH FOR NIGHT LIGHT AND DIMMER POSITIONS.
- (5) ALL SWITCHES SHALL BE LOCATED IN LIGHTING CONTROL ENCLOSURE.



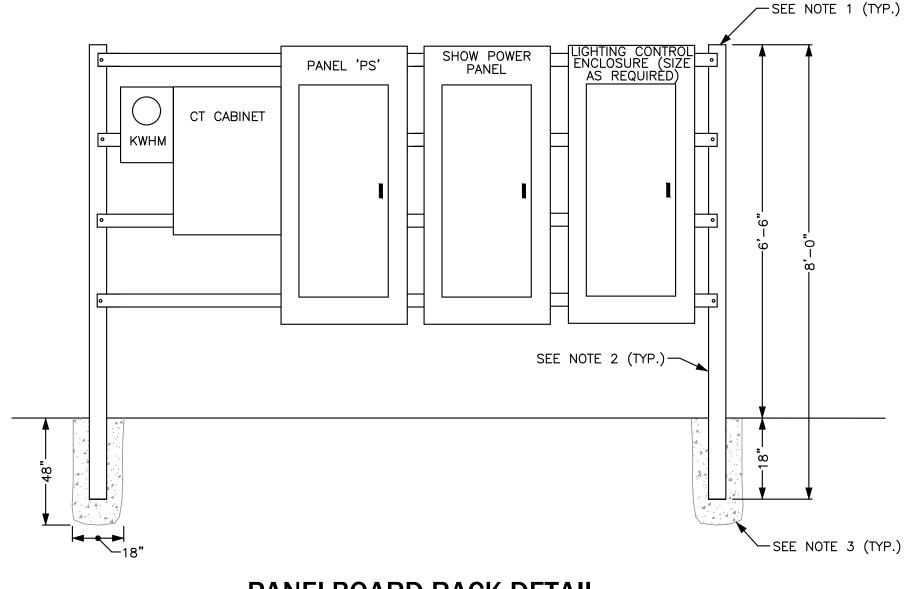
TYPICAL DUPLEX RECEPTACLE INSTALLATION

NOT TO SCALE



DIRECT BURIED CONDUIT DETAIL

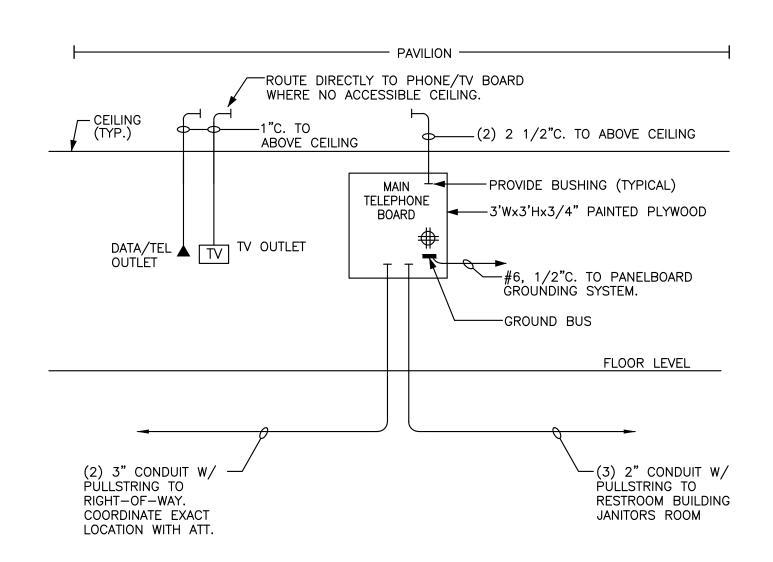
NOT TO SCALE



PANELBOARD RACK DETAIL NOT TO SCALE

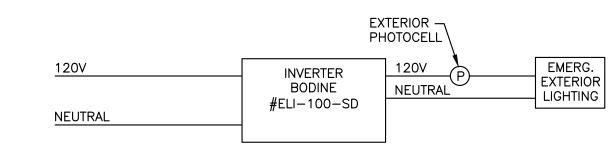
TES:

- 1. 4" DIA. ALUMINUM POST FILLED WITH CONCRETE.
- 2. GALVANIZED UNISTRUT SUPPORT BARS BOLTED TO POST WITH ANCHOR BOLTS.
- 3. BURY ALUMINUM POST IN CONCRETE AS SHOWN ON DRAWING.

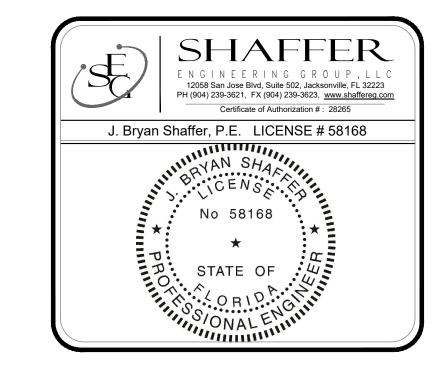


TELEPHONE/TV SINGLE LINE DIAGRAM

NOT TO SCAL



EXTERIOR STEP LIGHTING WIRING DIAGRAM



REVISIONS

NO. DATE NOTES

THOMAS DUKE

ARCHITECT, P.A.

2345 HARPER STREET
JACKSONVILLE, FLORIDA 32204
(904) 356-3335

LIC. #AA 26001414

ORANGE PARK MALL
AMPHITHEATER AT THE GROVE
1910 WELLS ROAD

NO

 \geq

A

 \triangleleft

NOT RELEASED FOR CONSTRUCTION

DATE: 28 MAY 2021

ELECTRICAL DETAILS

DRAWN BY: MEM CHECKED BY: JBS
PROJECT NO. 1821
SHEET

E-5.0

PART 1 GENERAL

- A. GROUNDING AND BONDING. B. CONNECTION OF UTILIZATION EQUIPMENT.
- D. IDENTIFICATION.
- A. PRODUCT DATA: FOR REVIEW; PROVIDE CATALOG DATA FOR GROUNDING AND BONDING DEVICES.

1.3 REGULATORY REQUIREMENTS

- A. CONFORM TO REQUIREMENTS OF NFPA 70. B. FURNISH PRODUCTS LISTED BY UL OR OTHER TESTING FIRM ACCEPTABLE TO AUTHORITY HAVING JURISDICTION. C. FLORIDA BUILDING CODE
- 1.4 PROJECT CONDITIONS
- A. VERIFY FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS ARE AS SHOWN ON DRAWINGS. B. VERIFY REMOVAL OF EXISTING ELECTRIC WORK.
- C. REPORT DISCREPANCIES TO ARCHITECT BEFORE DISTURBING EXISTING INSTALLATION.

PART 2 PRODUCTS

- 2.1 GROUNDING MATERIALS
- A. GROUND ROD: COPPER-CLAD STEEL 3/4-INCH DIAMETER 20 FEET
- B. MECHANICAL CONNECTORS: BRONZE. ABOVE GRADE ONLY. C. EXOTHERMIC WELDS: BELOW GRADE CONNECTORS.
- A. STEEL CHANNEL: GALVANIZED
- B. MISCELLANEOUS HARDWARE: TREAT FOR CORROSION RESISTANCE. C. NAMEPLATES: ENGRAVED THREE-LAYER LAMINATED PLASTIC, BLACK LETTERS ON WHITE BACKGROUND.
- D. WIRE AND CABLE MARKERS: CLOTH MARKERS, SPLIT SLEEVE OR

PART 3 EXECUTION

- 3.1 INSTALLATION
- A. INSTALL WORK ACCORDING TO NECA "STANDARD OF INSTALLATION."
- B. PROVIDE BONDING TO MEET REGULATORY REQUIREMENTS.
- C. MAKE ELECTRICAL CONNECTIONS TO UTILIZATION EQUIPMENT IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S INSTRUCTIONS.
- 1. VERIFY THAT WIRING AND OUTLET ROUGH-IN WORK IS COMPLETE AND THAT UTILIZATION EQUIPMENT IS READY FOR ELECTRICAL
- CONNECTION, WIRING, AND ENERGIZING. 2. MAKE WIRING CONNECTIONS IN CONTROL PANEL OR IN WIRING COMPARTMENT OF PRE-WIRED EQUIPMENT. PROVIDE
- INTERCONNECTING WIRING WHERE INDICATED. 3. INSTALL AND CONNECT DISCONNECT SWITCHES, CONTROLLERS, CONTROL STATIONS, AND CONTROL DEVICES AS INDICATED. 4. MAKE CONDUIT CONNECTIONS TO EQUIPMENT USING FLEXIBLE
- CONDUIT. USE LIQUIDTIGHT FLEXIBLE CONDUIT IN DAMP OR WET 5. INSTALL PRE-FABRICATED CORD SET WHERE CONNECTION WITH ATTACHMENT PLUG IS INDICATED OR SPECIFIED, OR USE
- ATTACHMENT PLUG WITH SUITABLE STRAIN-RELIEF CLAMPS. 6. PROVIDE SUITABLE STRAIN-RELIEF CLAMPS FOR CORD CONNECTIONS TO OUTLET BOXES AND EQUIPMENT CONNECTION
- D. INSTALL SUPPORT SYSTEMS SIZED AND FASTENED TO ACCOMMODATE WEIGHT OF EQUIPMENT AND CONDUIT, INCLUDING WIRING, WHICH
- 1. FASTEN HANGER RODS, CONDUIT CLAMPS, AND OUTLET AND JUNCTION BOXES TO BUILDING STRUCTURE USING PRECAST INSERT SYSTEM BEAM CLAMPS.
- 2. USE TOGGLE BOLTS OR HOLLOW WALL FASTENERS IN HOLLOW MASONRY, PLASTER, OR GYPSUM BOARD PARTITIONS AND WALLS: EXPANSION ANCHORS OR PRESET INSERTS IN SOLID MASONRY WALLS; SELF-DRILLING ANCHORS OR EXPANSION ANCHOR ON CONCRETE SURFACES: SHEET METAL SCREWS IN SHEET METAL STUDS; AND WOOD SCREWS IN WOOD CONSTRUCTION.
- 3. DO NOT FASTEN SUPPORTS TO PIPING, CEILING SUPPORT WIRES, DUCTWORK, MECHANICAL EQUIPMENT, OR CONDUIT.
- 4. DO NOT USE POWDER-ACTUATED ANCHORS.
- 5. DO NOT DRILL STRUCTURAL STEEL MEMBERS.
- 6. FABRICATE SUPPORTS FROM STRUCTURAL STEEL OR STEEL
- E. IDENTIFY ELECTRICAL DISTRIBUTION AND CONTROL EQUIPMENT, AND LOADS SERVED, TO MEET REGULATORY REQUIREMENTS AND AS
- 1. DEGREASE AND CLEAN SURFACES TO RECEIVE NAMEPLATES AND TAPE LABELS.
- 2. SECURE NAMEPLATES TO EQUIPMENT FRONTS USING SCREWS, RIVETS, OR ADHESIVE, WITH EDGES PARALLEL TO EQUIPMENT LINES. SECURE NAMEPLATE TO INSIDE FACE OF RECESSED PANELBOARD DOORS IN FINISHED LOCATIONS.
- 3. USE NAMEPLATES WITH 1/8 INCH LETTERING TO IDENTIFY INDIVIDUAL SWITCHES AND CIRCUIT BREAKERS. RECEPTACLE CIRCUITS, AND LOADS SERVED.
- 4. USE NAMEPLATES WITH 1/4 INCH TO IDENTIFY DISTRIBUTION AND CONTROL EQUIPMENT.
- F. INSTALL WIRE MARKERS ON EACH CONDUCTOR IN PANELBOARD GUTTERS, PULL BOXES, OUTLET AND JUNCTION BOXES, AND AT
- 1. USE BRANCH CIRCUIT OR FEEDER NUMBER TO IDENTIFY POWER AND LIGHTING CIRCUITS.
- 2. USE CONTROL WIRE NUMBER AS INDICATED ON EQUIPMENT MANUFACTURER'S SHOP DRAWINGS TO IDENTIFY CONTROL WIRING.

- SECTION 16100
- WIRING METHODS
- PART 1 GENERAL 1.1 SUBMITTALS
- A. PRODUCT DATA: FOR REVIEW. 1. PROVIDE WIRING DEVICE CONFIGURATIONS, RATINGS, DIMENSIONS, AND COLOR SELECTIONS.
- 2. PROVIDE SERVICE FITTING CONFIGURATIONS, DIMENSIONS, AND FINISH AND COLOR SELECTIONS.
- 1.2 REGULATORY REQUIREMENTS
- A. CONFORM TO REQUIREMENTS OF NFPA 70. B. FURNISH PRODUCTS LISTED BY UL OR OTHER TESTING FIRM ACCEPTABLE TO AUTHORITY HAVING JURISDICTION.

PART 2 PRODUCTS

- 2.1 PRODUCT REQUIREMENTS
 - A. USE ONLY SPECIFIED RACEWAY IN THE FOLLOWING LOCATIONS: 1. UNDERGROUND INSTALLATIONS MORE THAN 5 FEET FROM FOUNDATION WALL: PLASTIC CONDUIT. PROVIDE CONCRETE ENCASEMENT WHERE INDICATED.
 - 2. INSTALLATIONS IN OR UNDER CONCRETE SLAB, OR UNDERGROUND WITHIN 5 FEET FROM FOUNDATION WALL: PLASTIC
 - IN SLAB ABOVE GRADE: PLASTIC CONDUIT.
 - 4. EXPOSED OUTDOOR LOCATIONS: RIGID STEEL CONDUIT OR ELECTRICAL METALLIC TUBING. USE THREADED OR RAINTIGHT
 - 5. WET INTERIOR LOCATIONS: RIGID STEEL CONDUIT OR ELECTRICAL METALLIC TUBING. USE THREADED OR RAINTIGHT FITTINGS FOR METAL CONDUIT
 - 6. CONCEALED DRY INTERIOR LOCATIONS: RIGID STEEL CONDUIT OR ELECTRICAL METALLIC TUBING.
 - 7. EXPOSED DRY INTERIOR LOCATIONS: RIGID STEEL CONDUIT OR ELECTRICAL METALLIC TUBING.
- B. SIZE RACEWAYS FOR CONDUCTOR TYPE INSTALLED OR FOR TYPE THW CONDUCTORS, WHICHEVER IS LARGER. 1. MINIMUM SIZE CONDUIT: ½-INCH
- C. USE WIRE AND CABLE IN LOCATIONS AS FOLLOWS: 1. CONCEALED INTERIOR LOCATIONS: BUILDING WIRE IN RACEWAY. 2. EXPOSED INTERIOR LOCATIONS: BUILDING WIRE IN RACEWAY. 3. ABOVE ACCESSIBLE CEILINGS: BUILDING WIRE IN RACEWAY. 4. WET OR DAMP INTERIOR LOCATIONS: BUILDING WIRE IN RACFWAY
- 5. EXTERIOR LOCATIONS: BUILDING WIRE IN RACEWAYS. 6. UNDERGROUND LOCATIONS: BUILDING WIRE IN RACEWAY.
- D. USE NO WIRE SMALLER THAN 12 AWG FOR POWER AND LIGHTING CIRCUITS, AND NO SMALLER THAN 14 AWG FOR CONTROL WIRING. USE 10 AWG CONDUCTOR FOR 20 AMPERE, 120 VOLT BRANCH CIRCUIT HOME RUNS LONGER THAN 75 FEET; AND FOR 20 AMPERE, 277 VOLT BRANCH CIRCUIT HOME RUNS LONGER THAN 200 FEET.

2.2 CONDUIT AND FITTINGS

- 1. METAL CONDUIT AND TUBING: GALVANIZED STEEL.
- 2. FLEXIBLE CONDUIT: STEEL 3. LIQUID TIGHT FLEXIBLE CONDUIT: FLEXIBLE CONDUIT WITH PVC 4. PLASTIC CONDUIT AND TUBING: NEMA TC 2, PVC. USE
- SCHEDULE 40 CONDUIT B. CONDUIT FITTINGS:
- . METAL FITTINGS AND CONDUIT BODIES: NEMA FB 1 2. PLASTIC FITTINGS AND CONDUIT BODIES: NEMA TC 3.
- 3. EMT FITTINGS: STEEL COMPRESSION TYPE
- 2.3 ACCESS PANELS
- A. PROVIDE CEILING ACCESS PANELS FOR EQUIPMENT. DEVICES. BOXES AND OTHER LIKE ITEMS REQUIRING ADJUSTMENT, MAINTENANCE OR ACCESSIBILITY IF THEY ARE NOT LOCATED OVER LAY-IN TYPE CFILING OR ARE NOT OTHERWISE ACCESSIBLE, OBTAIN APPROVAL

FROM ARCHITECT FOR TYPE AND LOCATION OF ACCESS PANELS. RS'

2.4 ELECTRICAL BOXES

- 1. SHEET METAL: NEMA OS 1, GALVANIZED STEEL 2. CAST METAL: CAST FERALLOY, DEEP TYPE, GASKETED COVER,
- THREADED HUBS. B. HINGED COVER ENCLOSURES: NEMA 250, TYPE 1, STEEL ENCLOSURE WITH MANUFACTURER'S STANDARD ENAMEL FINISH AND CONTINUOUS HINGE COVER, HELD CLOSED BY FLUSH LATCH OPERABLE BY SCREWDRIVER.
- C. LARGE CAST METAL BOXES: 1. SURFACE-MOUNTED TYPE: NEMA 250, TYPE 4 AND TYPE 6, FLAT-FLANGED, SURFACE-MOUNTED JUNCTION BOX; GALVANIZED CAST IRON BOX AND COVER WITH GROUND FLANGE, NEOPRENE GASKET, AND STAINLESS STEEL COVER SCREWS.

2.5 BUILDING WIRE AND CABLE

- A. FEEDERS AND BRANCH CIRCUITS LARGER THAN 6 AWG: COPPER STRANDED CONDUCTOR, 600 VOLT INSULATION, THHN/THWN AND
- CONDUCTOR. 600 VOLT INSULATION, THHN/THWN, XHHW 6 AND 8 AWG, STRANDED CONDUCTOR; SMALLER THAN 8 AWG, SOLID CONDUCTOR.

B. FEEDERS AND BRANCH CIRCUITS 6 AWG AND SMALLER: COPPER

C. CONTROL CIRCUITS: COPPER, STRANDED CONDUCTOR, 600 VOLT INSULATION, THW. D. ALL CONDUCTORS SHALL BE COPPER.

2.6 REMOTE CONTROL AND SIGNAL CABLE

- A. CONTROL CABLE FOR CLASS 1 REMOTE CONTROL AND SIGNAL CIRCUITS: COPPER CONDUCTOR, 600 VOLT INSULATION, RATED 60 DEGREE C, INDIVIDUAL CONDUCTORS TWISTED TOGETHER, SHIELDED, AND COVERED WITH PVC JACKET.
- B. CONTROL CABLE FOR CLASS 2 OR CLASS 3 REMOTE CONTROL AND SIGNAL CIRCUITS: COPPER CONDUCTOR, 300 VOLT INSULATION, RATED 60 DEGREE C, INDIVIDUAL CONDUCTORS TWISTED TOGETHER, SHIELDED, AND COVERED WITH PVC JACKET; UL LISTED.

PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. VERIFY THAT SUPPORTING SURFACES ARE READY TO RECEIVE WORK. B. VERIFY THAT INTERIOR OF BUILDING IS PHYSICALLY PROTECTED
- FROM WEATHER. C. VERIFY THAT MECHANICAL WORK THAT IS LIKELY TO DAMAGE CONDUCTORS HAS BEEN COMPLETED.
- D. COMPLETELY AND THOROUGHLY SWAB RACEWAY SYSTEM BEFORE INSTALLING CONDUCTORS. E. ELECTRICAL BOXES ARE SHOWN ON DRAWINGS IN APPROXIMATE
- LOCATIONS UNLESS DIMENSIONED. 1. OBTAIN VERIFICATION FROM ENGINEER OF FLOOR BOX LOCATIONS, AND LOCATIONS OF OUTLETS IN OFFICES AND\ WORK AREAS, PRIOR TO ROUGH-IN

2. IT SHALL BE UNDERSTOOD THAT ANY OUTLET MAY BE

LOCATION SHOWN ON THE DRAWINGS PRIOR TO OR DURING ROUGH-IN, IF SO DIRECTED BY THE ARCHITECT-ENGINEER WITHOUT ADDITIONAL COST TO THE OWNER. 3. LOCAL SWITCHES WHICH ARE SHOWN NEAR DOORS SHALL BE LOCATED AT THE STRIKE SIDE OF THE DOOR AS FINALLY HUNG, REGARDLESS OF SWING ON THE DRAWINGS.

RELOCATED A DISTANCE NOT EXCEEDING 15FT FROM THE

3.2 INSTALLATION

- A. PERFORM WORK ACCORDING TO NECA STANDARD OF INSTALLATION.
- B. ARRANGE CONDUIT TO MAINTAIN HEADROOM AND TO PRESENT NEAT APPEARANCE. 1. ROUTE EXPOSED RACEWAY PARALLEL AND PERPENDICULAR TO
- WALLS AND ADJACENT PIPING. 2. MAINTAIN MINIMUM 6-INCH CLEARANCE TO PIPING AND 12-INCH CLEARANCE TO HEAT SURFACES SUCH AS FLUES, STEAM PIPES,
- AND HEATING APPLIANCES. 3. MAINTAIN REQUIRED FIRE, ACOUSTIC, AND VAPOR BARRIER RATING WHEN PENETRATING WALLS, FLOORS, AND CEILINGS. 4. ROUTE CONDUIT THROUGH ROOF OPENINGS FOR PIPING AND
- DUCTWORK WHERE POSSIBLE OTHERWISE, ROUTE THROUGH ROOF JACK WITH PITCH POCKET. 5. GROUP IN PARALLEL RUNS WHERE PRACTICAL. USE RACK CONSTRUCTED OF STEEL CHANNEL. MAINTAIN SPACING BETWEEN RACEWAYS OR DERATE CIRCUIT AMPACITIES TO NFPA 70
- REQUIREMENTS. 6. USE CONDUIT HANGERS AND CLAMPS; DO NOT FASTEN WITH WIRE OR PERFORATED PIPE STRAPS. 7. USE CONDUIT BODIES TO MAKE SHARP CHANGES IN DIRECTION
- 8. TERMINATE CONDUIT STUBS WITH INSULATED BUSHINGS. 9. USE SUITABLE CAPS TO PROTECT INSTALLED RACEWAY AGAINST ENTRANCE OF DIRT AND MOISTURE.
- 10. PROVIDE NO. 12 AWG INSULATED CONDUCTOR OR SUITABLE PULL STRING IN EMPTY RACEWAYS, EXCEPT SLEEVES AND
- 11. INSTALL EXPANSION JOINTS WHERE RACEWAY CROSSES BUILDING EXPANSION OR SEISMIC JOINTS.
- 12. INSTALL PLASTIC CONDUIT AND TUBING ACCORDING TO MANUFACTURER'S INSTRUCTIONS. 13. USE STEEL COMPRESSION TYPE FITTINGS WITH EMT CONDUITS.
- C. INSTALL AUXILIARY GUTTER AND WIREWAY ACCORDING TO
- MANUFACTURER'S INSTRUCTIONS.
- D. INSTALL ELECTRICAL BOXES AS SHOWN ON THE DRAWINGS, AND AS REQUIRED FOR SPLICES, TAPS, WIRE PULLING, EQUIPMENT CONNECTIONS AND REGULATORY REQUIREMENTS.
- 1. USE CAST OUTLET BOX IN EXTERIOR LOCATIONS EXPOSED TO WEATHER AND WET LOCATIONS.
- 2. USE HINGED COVER ENCLOSURE FOR INTERIOR PULL AND JUNCTION BOX LARGER THAN 12 INCHES IN ANY DIMENSION. 3. LOCATE AND INSTALL ELECTRICAL BOXES TO ALLOW ACCESS.
- PROVIDE ACCESS PANELS IF REQUIRED 4. LOCATE AND INSTALL ELECTRICAL BOXES TO MAINTAIN HEADROOM AND TO PRESENT NEAT MECHANICAL APPEARANCE.
- 5. INSTALL PULL BOXES AND JUNCTION BOXES ABOVE ACCESSIBLE CEILINGS OR IN UNFINISHED AREAS. 6. PROVIDE KNOCKOUT CLOSURES FOR UNUSED OPENINGS.
- . ALIGN WALL-MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS, AND SIMILAR DEVICES. 8. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS ABOVE COUNTERS AND BACKSPLASHES.
- 9. USE RECESSED OUTLET BOXES IN FINISHED AREAS AND WHERE 10. SECURE BOXES TO INTERIOR WALL AND PARTITION STUDS, ACCURATELY POSITIONING TO ALLOW FOR SURFACE FINISH
- THICKNESS. 11. USE STAMPED STEEL STUD BRIDGES FOR FLUSH OUTLETS IN HOLLOW STUD WALL, AND ADJUSTABLE STEEL CHANNEL FASTENERS FOR FLUSH CEILING OUTLET BOXES.
- 12. LOCATE BOXES IN MASONRY WALLS TO REQUIRE CUTTING CORNER ONLY. COORDINATE MASONRY CUTTING TO ACHIEVE NEAT OPENINGS FOR BOXES. 13. DO NOT INSTALL BOXES BACK-TO-BACK IN WALLS; PROVIDE 6 INCHES SEPARATION, MINIMUM; EXCEPT PROVIDE 24 INCHES SEPARATION. MINIMUM IN ACOUSTIC-RATED WALLS.
- 14. DO NOT DAMAGE INSULATION. E. INSTALL CABLE AND WIRE ACCORDING TO MANUFACTURER'S
- INSTRUCTIONS. 1. NEATLY TRAIN AND SECURE WIRING INSIDE BOXES, EQUIPMENT, AND PANELBOARDS.
- 2. USE WIRE PULLING LUBRICANT FOR PULLING 4 AWG AND 3. SUPPORT CABLES ABOVE ACCESSIBLE CEILINGS TON KEEP
- THEM FROM RESTING ON CEILING TILES. 4. MAKE SPLICES, TAPS, AND TERMINATIONS TO CARRY FULL AMPACITY OF CONDUCTORS WITHOUT PERCEPTIBLE TEMPERATURE
- 5. TERMINATE SPARE CONDUCTORS WITH ELECTRICAL TAPE.
- F. INSTALL WIRING DEVICES ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- G. INSTALL WALL PLATES FLUSH AND LEVEL. 1. INSTALL PLATES ON SWITCH, RECEPTACLE, AND BLANK OUTLETS IN FINISHED AREAS, USING JUMBO SIZE PLATES FOR OUTLETS
 - INSTALLED IN MASONRY WALLS. 2. INSTALL GALVANIZED STEEL PLATES ON OUTLET BOXES AND JUNCTION BOXES IN UNFINISHED AREAS, ABOVE ACCESSIBLE CEILINGS, AND ON SURFACE-MOUNTED OUTLETS.

- H. INSTALL SERVICE FITTINGS ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- I. BEFORE INSTALLING RACEWAYS AND PULLING WIRE TO ANY MECHANICAL EQUIPMENT OR KITCHEN EQUIPMENT, VERIFY ELECTRICAL CHARACTERISTICS WITH FINAL SUBMITTAL ON EQUIPMENT TO ASSURE PROPER NUMBER AND AWG OF
- J. UNDERGROUND CABLE AND CONDUIT INSTALLATION SHALL CONFORM TO ANSI C2 AND NEC EXCEPT AS OTHERWISE INDICATED. THE CONTRACTOR SHALL PROMPTLY REPAIR ANY UTILITY LINES OR SYSTEM DAMAGED BY HIS OPERATION. THE TOP OF UNDERGROUND CONDUIT SHALL NOT BE LESS THAN 24 INCHES BELOW GRADE. THE BOTTOM OF CONDUITS TRENCH SHALL BE GRADED SMOOTH, WHERE ROCK AND SHARP EDGED MATERIAL ARE ENCOUNTERED THE BOTTOM SHALL BE EXCAVATED FOR ADDITIONAL 3 INCHES. FILLED AND TAMPED LEVEL TO THE ORIGINAL BOTTOM WITH SAND OR EARTH FREE FROM ROCKS AND SHARP MATERIALS. PROVIDE

MAGNETIC YELLOW WARNING TAPE ABOVE THE ENTIRE LENGTH OF

UNDERGROUND CONDUITS TAPE SHALL BE BURIED 12" BELOW

K. SURFACES DISTURBED DURING THE INSTALLATION OF UNDERGROUND CONDUITS SHALL BE RESTORED TO THEIR ORIGINAL CONDITIONS. PROVIDE SOD OF QUALITY EQUAL TO THAT REMOVED, PATCH PAVEMENT, SIDEWALK CURB, ETC. EXCAVATED MATERIAL NOT REQUIRED OR SUITABLE FOR BACKFILL SHALL BE REMOVED FROM PROJECT SITE. REMOVE WATER FROM EXCAVATION BY PUMPING OR OTHER APPROVED METHOD. BACKFILL SHALL BE FREE FROM LARGE

CLODS OF EARTH OR STONES OVER 1 INCH IN SIZE.

SECTION 16400

1.1 SUBMITTALS

SERVICE AND DISTRIBUTION

PART 1 GENERAL

- A. SHOP DRAWINGS: FOR REVIEW; INDICATE CONSTRUCTION DETAILS FOR THE FOLLOWING:
- B. PRODUCT DATA: FOR REVIEW; PROVIDE RATINGS AND COMPONENT DETAILS FOR THE FOLLOWING: 1. ENCLOSED SWITCHES.
- 2. FUSES. 3. CIRCUIT BREAKERS.

PANELBOARDS.

- C. TEST REPORTS: FOR INFORMATION.
- D. OPERATING AND MAINTENANCE INSTRUCTIONS: FOR PROJECT CLOSEOUT; INCLUDE THE FOLLOWING: 1. PANELBOARD: SUBMIT NEMA PB 2.1.

1.2 REGULATORY REQUIREMENTS

- A. CONFORM TO REQUIREMENTS OF NFPA 70.
- B. FURNISH PRODUCTS LISTED BY UL OR OTHER TESTING FIRM ACCEPTABLE TO AUTHORITY HAVING JURISDICTION.
- C. CONFORM TO REQUIREMENTS OF UTILITY COMPANY.

PART 2 PRODUCTS

- 2.1 ENCLOSED SWITCHES A. MANUFACTURERS:
- 1. SQUARE D 2. EATON-CUTLER HAMMER
- B. ENCLOSED SWITCH ASSEMBLIES: NEMA KS 1; TYPE HD. 1. FUSE CLIPS: DESIGNED TO ACCOMMODATE CLASS R OR J FUSES.
- C. ENCLOSURES: TYPE 1 FOR INTERIOR LOCATIONS, TYPE 3R FOR EXTERIOR LOCATIONS

2.2 FUSES

- A. MANUFACTURERS: FERRAZ—SHAWMUT
- 2. BUSSMAN B. FUSES 600 AMPERES AND LESS: CURRENT LIMITING, ONE-TIME FUSE, 250 VOLT, UL CLASS RK 1, RK 5 OR J.

2.3 PANELBOARDS

- A. MANUFACTURERS:
- 1. EATON-CUTLER HAMMER 2. SQUARE D
- B. DISTRIBUTION PANELBOARDS: NEMA PB 1; CIRCUIT BREAKER TYPE.
- ENCLOSURE: TYPE AS INDICATED 2. PROVIDE SURFACE CABINET FRONT WITH SCREW COVER AND
- HINGED DOOR. 3. BUS: COPPER.
- 4. GROUND BUS: COPPER. 5. VOLTAGE: AS SHOWN 6. MINIMUM INTEGRATED EQUIPMENT RATING: AS INDICATED ON
- C. LIGHTING AND APPLIANCE BRANCH CIRCUIT PANELBOARDS: NEMA PB 1; CIRCUIT BREAKER TYPE.
- ENCLOSURE: NEMA PB 1; TYPE AS INDICATED 2. PROVIDE FLUSH OR SURFACE CABINET FRONT WITH LOCKABLE
- DOOR, KEYED ALIKE. 3. BUS: COPPER BUS.
- GROUND BUS: COPPER. VOLTAGE: AS SHOWN 6. MINIMUM INTEGRATED EQUIPMENT RATING: AS INDICATED ON DRAWINGS

PART 3 EXECUTION

- 3.1 EXAMINATION AND PREPARATION
- A. MAKE ARRANGEMENTS WITH UTILITY COMPANY TO OBTAIN PERMANENT ELECTRIC SERVICE TO THE PROJECT. B. PROVIDE CONCRETE PAD FOR UTILITY TRANSFORMER. PROVIDE PAD DIMENSIONS AND DETAILS TO UTILITY REQUIREMENTS.

B. INSTALL PROPER FUSES IN EACH FUSED SWITCH.

SPLATTERS.

3.2 INSTALLATION

3.3 CLEANING A. CLEAN EQUIPMENT FINISHES TO REMOVE PAINT AND CONCRETE

A. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S

C. INSTALL PANELBOARDS AND LOAD CENTERS TO NEMA PB 1.1.

- SECTION 16510
- INTERIOR LUMINAIRES

PART 1 GENERAL

- 1.1 SECTION INCLUDES
- INTERIOR LUMINARIES AND ACCESSORIES. BALLASTS.
- LAMPS.
- D. LUMINAIRE ACCESSORIES.

1.2 REFERENCES A. ANSI C78.379 - ELECTRIC LAMPS - INCANDESCENT AND HIGH-INTENSITY DISCHARGE REFLECTOR LAMPS- CLASSIFICATION OF BEAM

- B. MANUFACTURER'S INSTRUCTIONS: AND LIMITATIONS OF USE STIPULATED BY PRODUCT TESTING AGENCY
- SPECIFIED UNDER REGULATORY REQUIREMENTS.

STORAGE, HANDLING, PROTECTION, EXAMINATION, PREPARATION, AND INSTALLATION OF PRODUCT.

C. MANUFACTURER'S INSTRUCTIONS:

A. MANUFACTURER: COMPANY SPECIALIZING IN PRODUCTS SPECIFIED IN THIS SECTION WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE.

1.4 REGULATORY REQUIREMENTS

A. CONFORM TO REQUIREMENTS OF ANSI/NFPA 70. B. CONFORM TO REQUIREMENTS OF NFPA 101. . FURNISH PRODUCTS LISTED AND CLASSIFIED BY UNDERWRITERS

LABORATORIES, INC. AS SUITABLE FOR PURPOSE SPECIFIED AND

PART 2 PRODUCTS

2.1 LUMINARIES

2.2 BALLASTS

1.3 QUALIFICATIONS

- A. FURNISH PRODUCTS AS SPECIFIED IN SCHEDULE ON DRAWINGS.
- B. SUBSTITUTIONS: UNDER PROVISIONS OF SECTION 16000.
- C. INSTALL BALLASTS, LAMPS, AND SPECIFIED ACCESSORIES AT FACTORY.

D. BALLAST: MANUFACTURER'S STANDARD, MATCHED TO LAMP CHARACTERISTICS, RATED 120 VOLTS.

PROVIDE BALLAST SUITABLE FOR LAMPS SPECIFIED.

4. SOURCE QUALITY CONTROL: CERTIFY BALLAST DESIGN AND

A. FLUORESCENT BALLAST: DESCRIPTION: ANSI C82.1, ELECTRONIC BALLAST.

VOLTAGE: 120 VOLTS.

CONSTRUCTION BY CERTIFIED BALLAST MANUFACTURERS, INC. 2.3 FLANGE MOUNTING FRAME PROVIDE FLANGE MOUNTING FRAMES TO MOUNT GRID TYPE TROFFERS FIN HARD CEILINGS. FRAME SHALL PERMIT USE OF GRID (NEMAG) FIXTURES IN CEILINGS REQUIRING FLANGES. FRAMES SHALL BE

INDIVIDUAL OR CONTINUOUS ROW MODELS. FRAME SHALL BE EXTRUDED

ALUMINUM PAINTED WHITE, 1' X 4', 2' X 2' OR 2' X 4' AS REQUIRED.

DAY-BRITE FMK OR APPROVED EQUAL

PART 3 EXECUTION 3.1 EXAMINATION

- A. EXAMINE SUBSTRATE AND SUPPORTING GRIDS FOR LUMINARIES. B. EXAMINE EACH LUMINAIRE TO DETERMINE SUITABILITY FOR LAMPS
- 3.2 INSTALLATION A. INSTALL IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. B. INSTALL SUSPENDED LUMINARIES USING PENDANTS SUPPORTED FROM
- SWIVEL HANGERS. PROVIDE PENDANT LENGTH REQUIRED TO SUSPEND LUMINAIRE AT INDICATED HEIGHT. C. INSTALL SURFACE MOUNTED LUMINARIES AND EXIT SIGNS PLUMB AND
- ADJUST TO ALIGN WITH BUILDING LINES AND WITH EACH OTHER. SECURE TO PROHIBIT MOVEMENT.

D. INSTALL WALL MOUNTED LUMINARIES AS SCHEDULED.

- E. INSTALL ACCESSORIES FURNISHED WITH EACH LUMINAIRE. F. MAKE WIRING CONNECTIONS TO BRANCH CIRCUIT USING BUILDING
- WITHIN LUMINAIRE. G. BOND PRODUCTS AND METAL ACCESSORIES TO BRANCH CIRCUIT

WIRE WITH INSULATION SUITABLE FOR TEMPERATURE CONDITIONS

EQUIPMENT GROUNDING CONDUCTOR. H. INSTALL SPECIFIED LAMPS IN EACH LUMINAIRE, EMERGENCY LIGHTING

I. EACH RECESSED FIXTURE SHALL HAVE TWO STEEL WIRE SUPPORTS

A. OPERATE EACH LUMINAIRE AFTER INSTALLATION AND CONNECTION.

- FASTENED TO THE STRUCTURE ABOVE, AT DIAGONALLY OPPOSITE CORNERS OF FIXTURE.
- J. SEE ARCHITECTURAL RCP DRAWING FOR EXACT FIXTURE LOCATION. 3.3 FIELD QUALITY CONTROL

UNIT AND EXIT SIGN.

- INSPECT FOR PROPER CONNECTION AND OPERATION. 3.4 ADJUSTING
- A. AIM AND ADJUST LUMINARIES AS DIRECTED.
- B. ADJUST EXIT SIGN DIRECTIONAL ARROWS AS INDICATED.

C. RELAMP LUMINARIES THAT HAVE FAILED LAMPS AT SUBSTANTIAL COMPLETION.

- 3.5 CLEANING
- A. CLEAN LIGHTING FIXTURES. B. CLEAN ELECTRICAL PARTS TO REMOVE CONDUCTIVE AND DELETERIOUS MATERIALS.
- C. REMOVE DIRT AND DEBRIS FROM ENCLOSURE.

E. CLEAN FINISHES AND TOUCH UP DAMAGE.

ENGINEERING GROUP.LL D. CLEAN PHOTOMETRIC CONTROL SURFACES AS RECOMMENDED BY 12058 San Jose Blvd, Suite 502, Jacksonville, FL 32223 PH (904) 239-3621, FX (904) 239-3623, www.shaffereg.com Certificate of Authorization #: 28265 J. Bryan Shaffer, P.E. LICENSE # 58168 CENS No 58168 STATE OF CORIDA

ONAL

SHAFFER

REVISIONS NO. | DATE | NOTES

THOMAS DUKE

/2345 HARPER STREET JACKSONVILLE, FLORIDA 32204 (904) 356-3335

LIC. #AA 26001414

 \triangleleft

 \triangleleft

 \geq

 \triangleleft

 \bigcirc

NOT RELEASED FOR CONSTRUCTION

DATE: 28 MAY 2021

ELECTRICAL

DRAWN BY: MEM CHECKED BY: JBS 1821 PROJECT NO.

	PLUMBING FIXTURE	SCHEDULE			
FIXTUR	E DESCRIPTION	MANUFACTURER	WASTE	CW	HW
WC-1	WATER CLOSET, WALL HUNG ADA MADERA, ELONGATED TOILET. VITREOUS CHINA, WALL HUNG, FLUSH VALVE TYPE, LOW CONSUMPTION 1.6 GPF. INSTALLED 18" HIGH FROM FINISH FLOOR TO TOP OF SEAT.	AMERICAN STANDARD #2859.128	3"	1"	_
	SEAT: EXTRA HEAVY DUTY PLASTIC, OPEN FRONT SEAT LESS COVER WITH CONCEALED CHECK AND STAINLESS STEEL HINGE POST.	BEMIS CHURCH OLSONITE			
	FLUSH VALVE: CHROME PLATED BRASS, 1.28 GPF WALL CARRIER: PROVIDE FLOOR MOUNTED WATER CLOSET SUPPORT CARRIER	ZURN "N" SERIES			
	LAVATORY, ADA ROXALYN WALL HUNG SINK, VITREOUS CHINA, SINGLE CENTER FAUCET HOLE.	AMERICAN STANDARD #0194.043	1-1/4"	1/2"	1/2"
	FAUCET: ELECTRONIC FAUCET, 2.2 GPM VANDAL RESISTANT AERATOR' SOLID BRASS CONSTRUCTION.	AMERICAN STANDARD #6056.102			
	STOPS/ACCESSORIES: 1/2" CHROME PLATED BRASS WHEEL HANDLE ANGLED STOP, CHROME PLATED STEEL FLANGE AND 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISERS. GRID DRAIN WITH OFFSET TAILPIECE AND CHROME PLATED P—TRAP MOUNT AT HANDICAPPED HEIGHT. SUPPLY CONCEALED ARM SUPPORT CARRIER FOR MOUNTING OF LAVATORY.	McGUIRE MANUFACTURING			
	TEMPERED WATER: PROVIDE WATER TEMPERATURE LIMITING DEVICE (THERMOSTATIC MIXING VALVE) THAT CONFORMS TO ASSE 1070 PER FPC 416.5	WATTS MMV			
WC-2	WATER CLOSET, WALL HUNG MADERA, ELONGATED TOILET. VITREOUS CHINA, WALL HUNG, FLUSH VALVE TYPE, LOW CONSUMPTION 1.6 GPF. INSTALLED 16" HIGH FROM FINISH FLOOR TO TOP OF SEAT.	AMERICAN STANDARD #2859.128	3"	1"	_
	SEAT: EXTRA HEAVY DUTY PLASTIC, OPEN FRONT SEAT LESS COVER WITH CONCEALED CHECK AND STAINLESS STEEL HINGE POST. FLUSH VALVE: CHROME PLATED BRASS, 1.28 GPF	BEMIS CHURCH OLSONITE			
	WALL CARRIER: PROVIDE FLOOR MOUNTED WATER CLOSET SUPPORT CARRIER	ZURN "N" SERIES			
L-2	LAVATORY, NON-ADA AQUALYN SELF-RIMMING OVAL DROP-IN COUNTERTOP, VITREOUS	AMERICAN STANDARD	1-1/4"	1/2"	1/2"
	CHINA, , CENTER HOLE ONLY. FAUCET: ELECTRONIC FAUCET, SOLID BRASS CONSTRUCTION. MINUS	#0475.047 AMERICAN STANDARD			
	AERATOR STOPS/ACCESSORIES: 1/2" CHROME PLATED BRASS WHEEL HANDLE ANGLED STOP, CHROME PLATED STEEL FLANGE AND 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISERS. GRID DRAIN TAILPIECE AND CHROME PLATED P—TRAP	#6056.102 McGUIRE MANUFACTURING			
	TEMPERED WATER: PROVIDE WATER TEMPERATURE LIMITING DEVICE (THERMOSTATIC MIXING VALVE) THAT CONFORMS TO ASSE 1070 PER FPC 416.5	WATTS MMV			
•	URINAL	AMEDICANI CTANDADO	2"	3/4"	_
F	MAYBROOK 1.0 GPF WASHOUT ACTION, VITREOUS CHINA, WALL MOUNTED, FLUSH VALVE, MOUNT AT ADA HEIGHT (FRONT RIM AT 17" FROM FINISHED FLOOR). LOW—CONSUMPTION.	AMERICAN STANDARD #6581.015			
1	FLUSH VALVE: CHROME PLATED BRASS, AUTOMATIC BATTERY POWERED, .0 GPF, ADJUSTABLE TAILPIECE, HIGH BACK PRESSURE VACUUM BREAKER FLUSH CONNECTION.	SLOAN ROYAL 186-1			
F	MAYBROOK 1.0 GPF WASHOUT ACTION, VITREOUS CHINA, WALL MOUNTED, FLUSH VALVE, 24" HEIGHT FROM TOP OF RIM TO FINISH FLOOR.	AMERICAN STANDARD #6581.015	2"	3/4"	_
F 1	LOW-CONSUMPTION. FLUSH VALVE: CHROME PLATED BRASS, AUTOMATIC BATTERY POWERED, LO GPF, ADJUSTABLE TAILPIECE, HIGH BACK PRESSURE VACUUM BREAKER FLUSH CONNECTION.	SLOAN ROYAL 186-1			
MS-1	MOP SINK ONE PIECE MOLDED FIBERGLASS, 24" x 24" x 8" HIGH WALLS. 3" DRAIN PIPE. REMOVABLE STAINLESS STEEL STRAINER	FIAT MSB2424	3"	1/2"	1/2"
	FAUCET: EXPOSED YOKE WALL MOUNT UTILITY FAUCET, 3" CAST BRASS SPOUT WITH VACUUM BREAKER, INTEGRAL SUPPLY STOPS	AMERICAN STANDARD #8350.243			
	PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT. ACCESSORIES: PROVIDE MOP HANGER AND WALL GUARD ACCESSORIES	MUSTEE 65.600, 67.2424			
EWC-1	ELECTRIC WATER COOLER, ADA DOUBLE UNIT, ADA, STAINLESS STEEL, REFRIGERATED, WITH BOTTLE FILLING STATION AND APRON LKAPREZL	ELKAY LZSTL8WSLP	1-1/4"	1/2"	_
	FLOOR DRAIN DUCO CAST IRON BODY AND FLASHING COLLAR WITH SLOTTED SEDIMENT BUCKET, 5" ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD. PROVIDE 1/2"TRAP PRIMER CONNECTION.	JAY R. SMITH 2005-NB-B-P050	3"	1/2"	_
TP-1	ELECTRONIC TRAP PRIMER VALVE W/ BOX AND DISTRIBUTION UNIT	PRECISION PLUMBING PRODUCTS MPB-500-115V	_	1/2"	_

PLUMBING MATERIAL SPECIFICATIONS

PROVIDE FIRE WRAP FOR PVC PIPE IN PLENUM CEILING AREAS, 3M FIRE BARRIER PLENUM WRAP 5A OR EQUAL

SANITARY WASTE/VENT PIPING:

TUBE: PVC SCHEDULE 40 DWV, ASTM D 1785, FOAM CORE NOT ACCEPTED FITTINGS: PVC PLASTIC FITTINGS, SCHEDULE 40, ASTM D 2466, FOAM CORE NOT ACCEPTED JOINTS: SOLVENT CEMENTS FOR PVC PIPE AND FITTINGS, ASTM D 2564. FOAM CORE NOT ACCEPTED

DOMESTIC WATER PIPING:

TUBE: CPVC, SCHEDULE 40 PIPE. PLASTIC HOT AND COLD WATER DISTRIBUTION SYSTEMS, ASTM F441

FITTINGS: CPVC PLASTIC FITTINGS, SCHEDULE 40, ASTM F438. JOINTS: SOLVENT CEMENTS FOR CPVC PIPE AND FITTINGS, ASTM F493

VALVES

ALL VALVES FOR DOMESTIC HOT AND COLD WATER DRISTRIBUTION SYSTEM SHALL BE CONFORM TO REQUIREMENTS OF ASTM D 2846. OPERATING PRESSURE SHALL NOT EXCEED 80% OF THE VALVE PRESSURE CLASS.

NSULATION

PROVIDE 1" ELASTOMERIC INSULATION FOR ABOVE—GRADE DOMESTIC HOT WATER PIPING AND CONDENSATE PIPING INSIDE THE BUILDING, COORDINATE WITH MECH. FOR LOCATIONS

<u>SUPPORTS</u>

PROVIDE PIPING HANGERS AND SUPPORTS SIZED AND SPACED PER CURRENT FPC 2007 AND PROVIDE 6" SADDLES UNDER ALL INSULATED PIPING.

SHOCK ARRESTORS

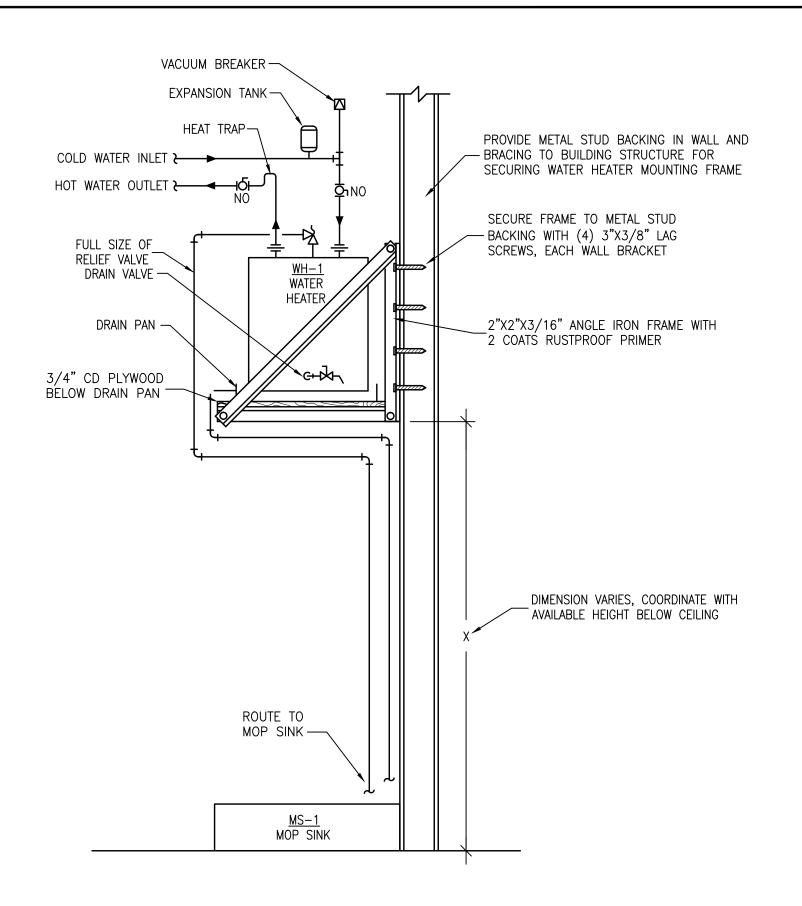
PROVIDE SHOCK ARRESTORS PER CODE SIZED TO PDI STANDARDS. AIR CHAMBERS ARE NOT ACCEPTABLE.

TRAP PRIMERS PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS

SHOCK	ARRE	ESTO	R S	CHE	DULE	
PDI UNITS	SA-1	SA-2	SA-3	SA-4	SA-5	SA-6
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330
NOTES:						

NOTES:
1. PROVIDE SHOCK ARRSTERS AS INDICATED ON PLAN AND SIZED IN ACCORDANCE WITH THIS SCHEDULE BASED ON STANDARD PDI-WH 201.

WATER HEATER SCHEDULE									
TAG	SERVICE	MANUFACTURER	TYPE	GALLONS	RECOVERY	POWER	ELEMENTS/WATTS	TANK SIZE	TANK PRESS.
WH-1	LAV'S/SINK	RHEEM 81VP20S	ELEC/LOW-BOY	20	37 GPH 50°F RISE	240 VOLTS 1 PHASE	2/4500W EACH NON-SIMULTANEOUS	25" HT. 20" DIA.	150 PSI
NOTES: 1. ROUTE	RELIEF VALVE DISCHARG	GE TO WATER HEATER	PAN AND PAN DRA	AIN TO MOP S	SINK.				



WATER HEATER DETAIL

PLUMBING LEGEND

ABBRE	VIATIONS & SYMBOLS:	PLUMBING FIXTU	IDEC.
⊣ I	WALL CLEAN OUT	PLUMBING FIXIC	IKES:
		FD	FLOOR DRAIN
O	FLOOR CLEAN OUT	WH	WALL HYDRANT
A/C	ABOVE CEILING		
AP	ACCESS PANEL	НВ	HOSE BIBB
B/G	BELOW GROUND	L	LAVATORY
B/F	BELOW FLOOR	MS	MOP SINK
BFP	BACK FLOW PREVENTER	S	SINK
EX.	EXISTING	SA-A	SHOCK ARRESTOR -
HD	HUB DRAIN	3/1 /1	P.P.I SIZE
VTR	VENT THROUGH ROOF	SS	SERVICE SINK
TP	TRAP PRIMER	55	SERVICE SHAR
WH	WATER HEATER	TMV	THERMOSTATIC MIXING VALVE
FW	FILTERED WATER	UR	URINAL
COOG	CLEANOUT ON GRADE	WC	WATER CLOSET
WCO	WALL CLEANOUT	WC	WATER CLOSET
FCO	FLOOR CLEANOUT	WB	WASHER BOX
	POINT OF CONNECTION -	TMV	THERMOSTATIC MIXING VALVE

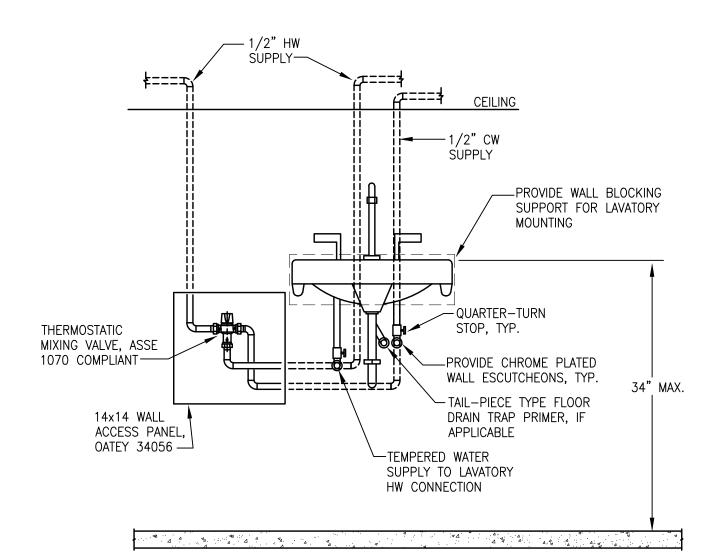
PIPING & VALVES:

NEW WORK TO EXISTING

NEW SANITARY (S)	- 0 $-$	BALL VALVE
 EXISTING SANITARY (S)	 -	BUTTERFLY VALVE
 NEW COLD WATER (CW)	$-\!$	GATE VALVE
 EXISTING COLD WATER (CW)	$-\!$	GLOBE VALVE
 HOT WATER (110°F)		STRAINER
 HOT WATER (125°F)	<u> </u>	PIPE UNION
 NEW VENT (V)		CHECK VALVE
 EXISTING VENT (V) NEW GREASE WASTE (GW)	₽	ASME PRESSURE/TEMPERATURE RELIEF VALVE
 EXISTING GREASE WASTE (GW)		TEMPERED WATER MIXING VALVE
	O—-—	PIPE UP
	C	PIPE DOWN

PLUMBING GENERAL NOTES

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE 7TH EDITION— PLUMBING, NFPA 70, NFPA 101, AND THE AMERICAN DIABILITIES ACT (ADA).
- 2. PLANS ARE NOT COMPLETELY TO SCALE. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT ROUTING AND ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. VERIFY STRUCTURAL, MECHANICAL AND ELECTRICAL INSTALLATIONS AND OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INTERFERENCES.
- 3. SLEEVE AND FIRE STOP PENETRATIONS OF RATED WALLS, FLOORS, CEILINGS AND ROOFS. FLASH AND COUNTERFLASH ROOF PENETRATIONS.
- 4. PROVIDE SIX SETS (GC DETERMINE EXACT QUANTITY) OF SHOP DRAWINGS OF PLUMBING FIXTURES, PIPING MATERIALS/FITTINGS, INSULATION, VALVES, AND EQUIPMENT FOR REVIEW BY ENGINEER OF RECORD. SHOP DRAWINGS SHALL BE ASSEMBLED BY THE CONTRACTOR IN A BOUND BOOKLET AND BE COMPLETE INCLUDING ALL ITEMS REQUIRED IN THE PLUMBING CONTRACT. IN—COMPLETE BOOKLETS PUT TOGETHER BY A FIXTURE MANUFACTURER WILL BE REJECTED AND RETURNED.



NOTES:

- 1. TMV VALVE AND ALL ASSOCIATED PIPING SHALL BE RECESSED WITHIN THE WALL CAVITY, COORDINATE WITH THE G.C. FOR EXTRA WALL FURRING AS REQUIRED FOR ADEQUATE
- SPACE. PROVIDE BLOCKING TO MOUNT TMV AS REQUIRED.

 2. THE ONLY EXPOSED PIPING SHALL BE THE COLD, TEMPERED, TRAP PRIMER (IF APPLICABLE), AND DRAIN FOR THE LAVATORY, ALL PIPING HELD AS HIGH AS POSSIBLE.
- DROP-IN STYLE LAVATORY SIMILAR, PROVIDE TMV RECESSED IN WALL.
 PROVIDE LAV-GUARD INSULATION KIT FOR ALL EXPOSED PIPING.
 PER FECC 2017 TABLE C404.5.1, THE MAX DISTANCE FROM HW SUPPLY TO

TERMINATION OF A PUBLIC LAVATORY SHALL BE 2', AND FOR OTHER FIXTURES 43'.

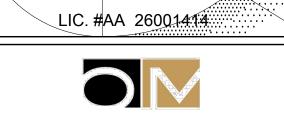
PUBLIC LAVATORY DETAIL NOT TO SCALE

REVISIONS

NO. DATE NOTES

THOMAS DUKE ARCHITECT, P.A.

2345 HARPER STREET
JACKSONVILLE, FLORIDA 32204
(904) 356-3335



CONSULTING ENGINEERS

CERT. OF AUTH #8868
1934 RETAW STREET
JACKSONVILLE, FL 32210

ALONZO MYLER, P.E.
FL LIC #55353

OSSI+MYLER

904 381 8946

RE AT THE GI VELLS ROAD PARK, FLORIDA

1910 WELLS FORANGE PARK, I



RELEASED FOR CONSTRUCTION

9

DATE: 2 APRIL 2021

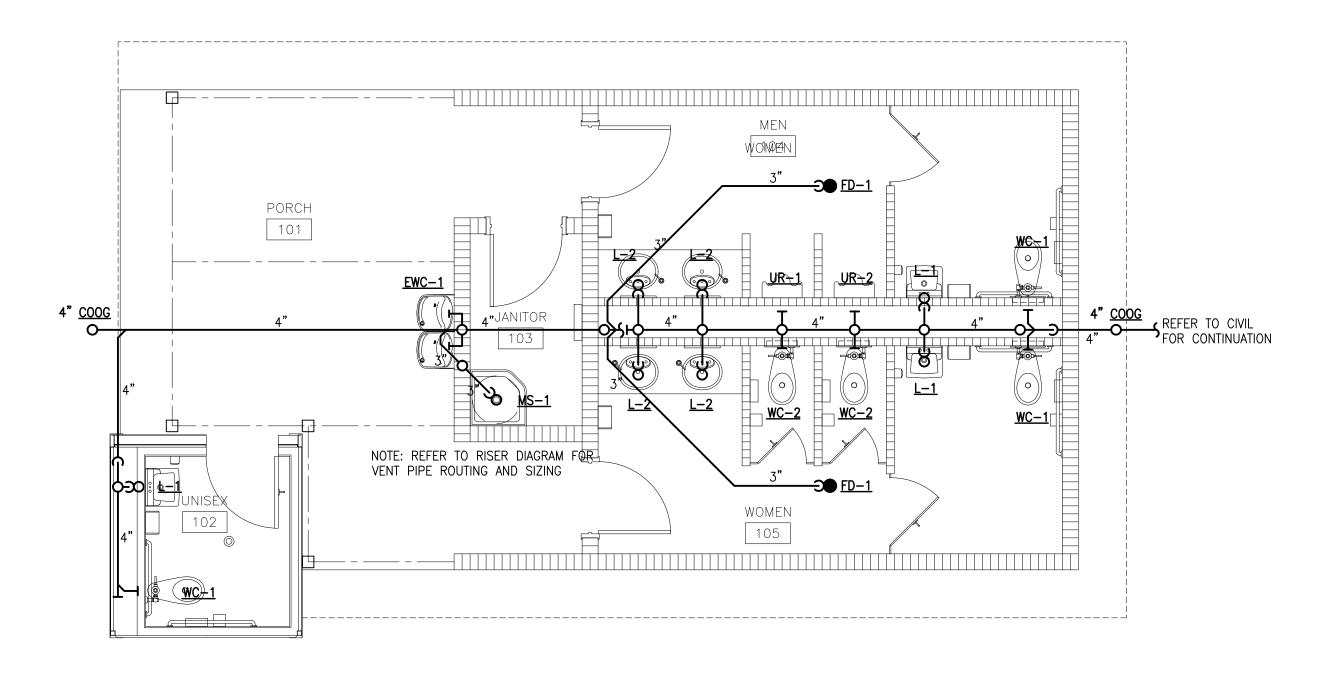
SCHEDULES & DETAILS -PLUMBING

DRAWN BY: AEM CHECKED BY: AEM PROJECT NO. 2111

SHEET

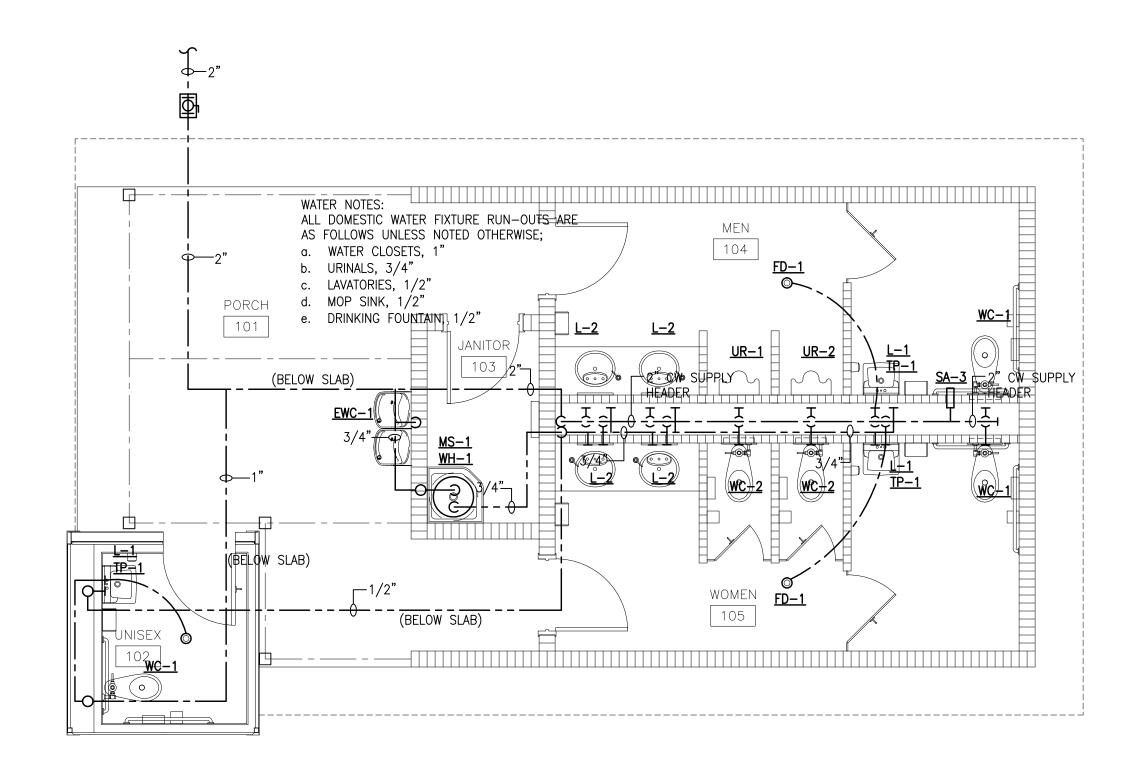
4

P-1.1



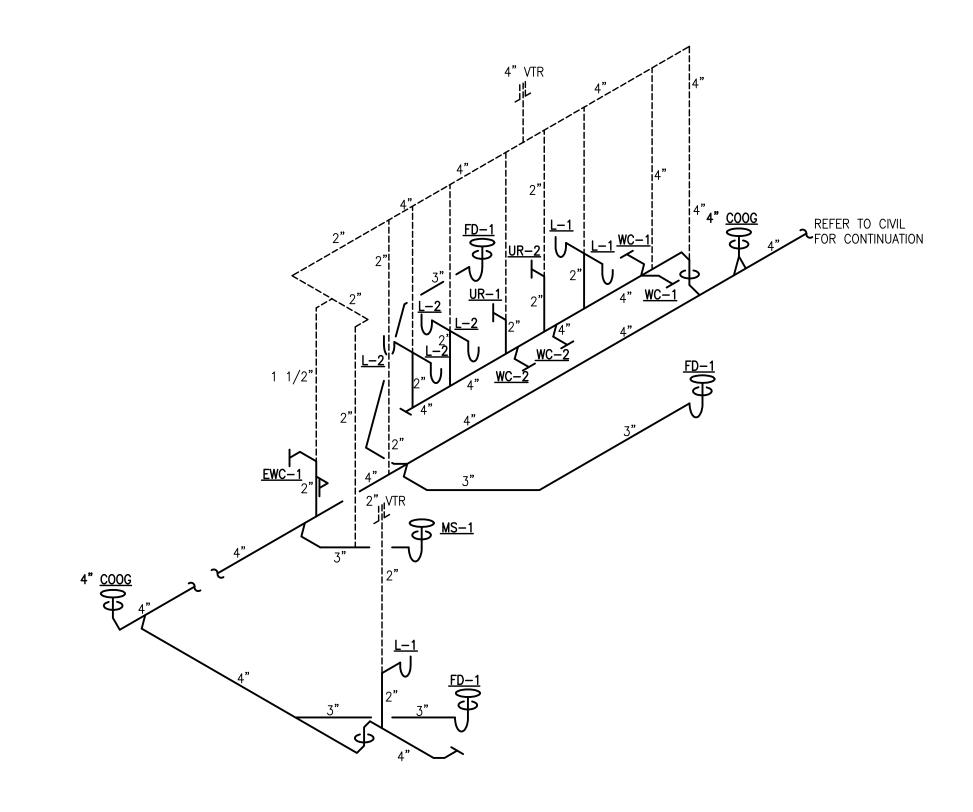
ENLARGED FLOOR PLAN — SANITARY

SCALE: 1/4" = 1'-0"

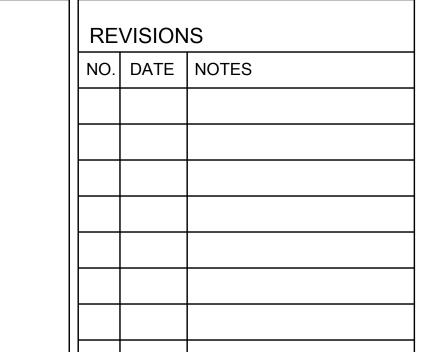


ENLARGED FLOOR PLAN — WATER

SCALE: 1/4" = 1'-0"



RISER DIAGRAM — SANITARY



THOMAS DUKE ARCHITECT, P.A.

2345 HARPER STREET
JACKSONVILLE, FLORIDA 32204

(904) 356-3335

LIC. #AA 26001414



CERT. OF AUTH #8868 1934 RETAW STREET JACKSONVILLE, FL 32210 904 381 8946

IGE PARK MAL

ORANGE PAR AMPHITHEATRE AT



RELEASED FOR CONSTRUCTION

DATE: 2 APRIL 2021

FLOOR PLAN

PLUMBING

DRAWN BY: AEM CHECKED BY: AEM PROJECT NO. 2111

SHEET

P-2.1