

ORANGE COUNTY
CAPITAL PROJECTS DIVISION
400 E. SOUTH STREET
ORLANDO, FL 32801



ORANGE COUNTY MAYOR
HONORABLE JERRY DEMINGS

COMMISSIONER DISTRICT 1
BETSY VANDERLEY

COMMISSIONER DISTRICT 2
CHRISTINE MOORE

COMMISSIONER DISTRICT 3
MAYRA URIBE

COMMISSIONER DISTRICT 4
MARIBEL GOMEZ CORDERO

COMMISSIONER DISTRICT 5
EMILY BONILLA

COMMISSIONER DISTRICT 6
VICTORIA P. SIPLIN

YUCATAN PLAYGROUND COVER INVEST

6400 YUCATAN DR.
ORLANDO, FL 32807

ORANGE COUNTY PROJECT MANAGER: SCOTT REEKIE



ARCHITECTURAL DESIGN
COLLABORATIVE

ARCHITECT
945 N. PENNSYLVANIA AVENUE
WINTER PARK, FLORIDA 32789
(407) 629-1188
CONTACT: KAREN ANDERSON



BASE

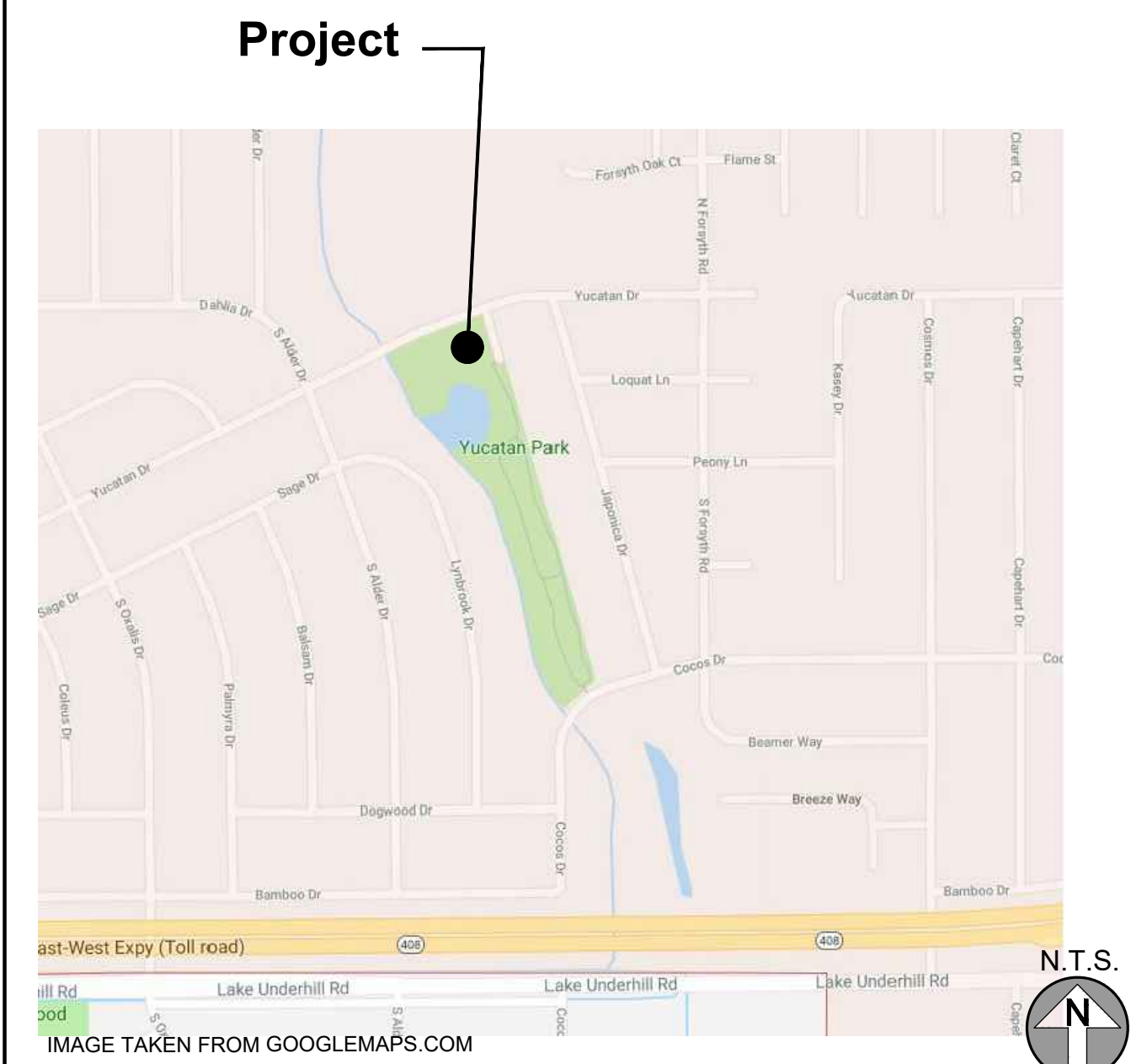
STRUCTURAL ENGINEER
1214 EAST CONCORD STREET
ORLANDO, FL 32803
407-377-7227X101
CONTACT: LAURA BARBERO-BUFFA



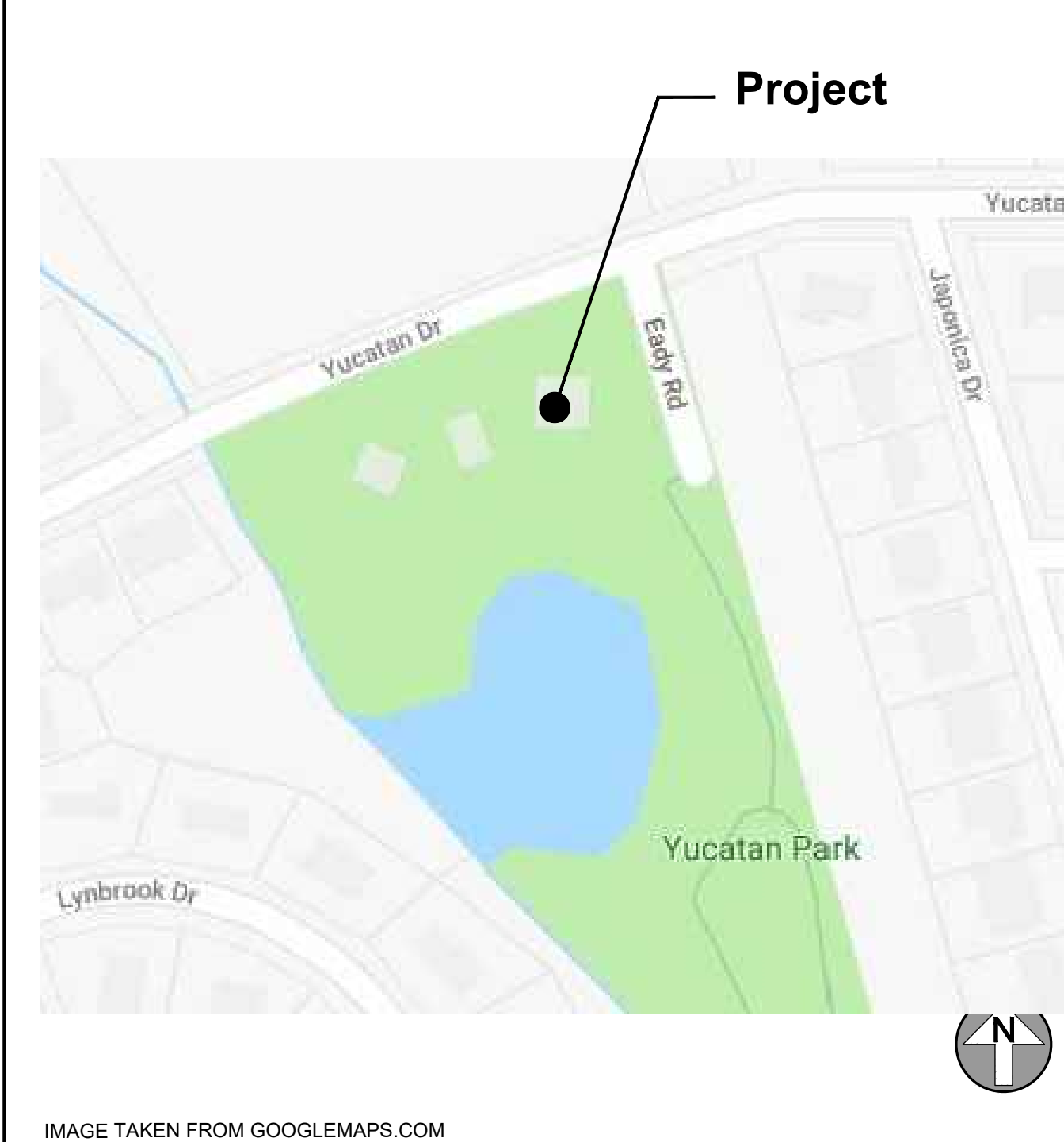
SGM

ELECTRICAL ENGINEER
935 LAKE BALDWIN LANE,
ORLANDO, FL 32814
(407) 767-5188
CONTACT: JOHN J BONOTTO

VICINITY MAP



LOCATION MAP



CODE DATA

ALL WORK FOR THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES:

BUILDING CODE: FLORIDA EXISTING BUILDING CODE - 2017 6th Edition

FIRE PREVENTION CODE: FLORIDA FIRE PREVENTION CODE- 5th Edition
NFPA 70: NATIONAL ELECTRICAL CODE- 2014

PROJECT INFORMATION

PROJECT ADDRESS: 6400 Yucatan Dr.
Orlando, FL 32807

PROJECT NAME: Orange County
YUCATAN PLAYGROUND COVER INVEST

PROJECT SIZE & TYPE: 2544 SQ.FT ---

PROJECT DESCRIPTION: Pre-fabricated metal open structure

BUILDING DATA:

PROJECT OCCUPANCY: ASSEMBLY (A-5)

OVERALL GROSS SQ.FT.: 2544 SQ.FT

OCCUPANT LOAD: 2544 SQ.FT/ 100 25

TYPE OF CONSTRUCTION: V-B

SPRINKLERED: NON SPRINKLERED

GRAPHIC SYMBOLS

ELEVATION INDICATIONS		CONSTRUCTION	
	STONE		ROOM NAME
	BRICK/CONCRETE BLOCK		ROOM NUMBER
	FINISHED WOOD		ALIGN WITH ESTABLISHED SURFACES
	GLASS		SHEET NOTE
	PLASTER/ STUCCO		REVISION DELTA No
	SAND OR GROUT		REVISION AREA
	EARTH OR NATURAL GROUND		ROW ON ELEVATION SHEET
	POROUS FILL (GRAVEL)		ELEVATION NUMBER
	STONE		SHEET WHERE SHOWN
	CONCRETE		DIRECTION OF ELEVATION
	BRICK		SECTION NUMBER
	CONCRETE MASONRY UNIT		PLANE OF SECTION
	METAL		SHEET WHERE SHOWN
	NON-FERROUS ALUMINUM		DIRECTION OF SECTION
	PLYWOOD		ELEVATION NUMBER
	WOOD (FINISH)		DIRECTION OF ELEVATION
	WOOD (CONTINUOUS)		SHEET WHERE SHOWN
	WOOD (BLOCKING)		DETAIL NUMBER
	INTERRUPTED MEMBER		SHEET WHERE SHOWN
	INSULATION (LOOSE OR BATT)		DESCRIPTION OF SIMILAR OR OPPOSITE DETAIL AREA
	INSULATION (RIGID)		HEIGHT REFERENCE LEVEL
	GLASS (LARGE SCALE)		HEIGHT REFERENCE
	GYPSUM BOARD		NORTH ARROW
	PLASTER WITH LATH		
	ACOUSTICAL TILE		
	CARPET		
	FABRIC WRAPPED PANEL		
REFLECTED CEILING			
	ACOUSTICAL CEILING AND GRID		
	MAIN RUNNER		
	GYPSUM BOARD SOFFIT		
	4' X 4' FLUORESCENT LIGHT FIXTURE		
	2' X 2' FLUORESCENT LIGHT FIXTURE		
	UNDER CABINET FLUORESCENT FIXTURE		
	FLUORESCENT STRIP FIXTURE		

ARCHITECTURAL ABBREVIATIONS

A	ACCES ACCESSORY ACOUS ACOUSTIC(AL) AFF ABOVE FINISHED FLOOR AHJ AUTHORITY HAVING JURISDICTION AL ALUMINUM ALT ALTERNATE ANNUNC ANNUNCIATOR ANOD ANODIZED APPL APPLIANCE ARCH ARCHITECT(URAL) AUTO AUTOMATIC AVG AVERAGE & AND	G	GA GAUGE GFRG GLASS FIBER REINFORCED CONCRETE GFRG GLASS FIBER REINFORCED GYPSUM GFRP GLASS FIBER REINFORCED PLASTER GL GLASS GR GRAD(E)(ING) GYP GYPSUM	P	PTN PARTITION PEDTR PEDESTRIAN PBD PARTICLE BOARD PJM PROJECT MANAGER PNL PANEL POLYST POLYSTYRENE PORT PORTABLE PREFIN PREFINISHED PREFAB PREFABRICATED PLAM PLASTIC LAMINATE PLAS PLASTER PLSTC PLASTIC PLYWD PLYWOOD PRTECN PROTECTION
B	BLDG BUILDING BOLLD BOLLARD BD BOARD BLKG BLOCKING BROLM BROADLOOM BU BUILT UP	H	HD HDWD HARDWOOD HDWE HARDWARE HM HOLLOW METAL HORIZ HORIZONTAL HVAC HEATING, VENTILATING, AND AIR CONDITIONING	R	RDR READER RECES RECESSED RECPT RECEPTACLE REF REFERENCE REFL REFLECTED REFR REFRIGERATOR REQD REQUIRED RESIS RESIST(ANT)(IVE) REINF REINFORCE(D)(ING) RESIL RESILIENT RFG ROOFING RM ROOM
C	CAB CABINET CPT CARPET CEM CEMENT(ITIOUS) CER CERAMIC CLG CEILING COATG COATING COILG COILING CONC CONCRETE CONSTR CONSTRUCTION CONT CONTINUOUS(ATION) CONTR CONTRACT(OR) COV COVER CMU CONCRETE MASONRY UNIT	I	INFO INFORMATION INSTRUM INSTRUMENT(ATION) INSUL INSULATION INTLK INTERLOCK(ING) INT INTERIOR INFILTR INFILTRATION	S	SCR SCRIBE SECUR SECURITY SF SQUARE FEET SGL SINGLE SHORG SHORING SIM SIMILAR SST STAINLESS STEEL STD STANDARD STL STEEL STRFR STOREFRONT STRUCT STRUCTURAL SURF SURFACE SUSP SUSPENDED SYS SYSTEM(S)
D	DBL DOUBLE DEPT DEPARTMENT DES DESIGN(ED) DET DETAIL DF DRINKING FOUNTAIN DIA DIAMETER DIFF DIFFUSER DIM DIMENSION DISP DISPENSER DIV DIVISION DN DOWN \$ DOLLAR (US CURRENCY) DR DOOR DSCON DISCONNECT DWR DRAWER	J	JAN JANITOR	T	THK THICK TLT TOILET TRAF TRAFFIC TRANS TRANSPARENT TRTD TREATED T&G TONGUE AND GROOVE TYP TYPICAL
E	ELAST ELASTOMERIC ELEC ELECTRICAL EMBED EMBED(D)(ING) ENGR ENGINEER(ED) ENTR ENTRANCE EQ EQUAL EQUIP EQUIPMENT EXIST EXISTING EXP JT EXPANSION JOINT EXPS EXPOSE(D) EXT EXTERIOR	K	KIT KITCHEN	U	UNDRLAY UNDERLAYMENT UTIL UTILITY UNO UNLESS NOTED OTHERWISE
F	FAB FABRICATION FD FLOOR DRAIN FE FIRE EXTINGUISHER FE&C FIRE EXTINGUISHER AND CABINET FHC FIRE HOSE CABINET FIN FINISH FLDG FOLDING FPLC FIREPLACE FR FIRE RAT(ING)(ED) FRMG FRAMING FXD FIXED FXTR FIXTURE FLR FLOOR(ING) FURN FURNITURE FUT FUTURE FWC FABRIC WALL COVERING FUT FUTURE	L	LAV LAVATORY LB POUND £ BRITISH POUND (CURRENCY) LT LIGHT LVLG LEVELING LVR LOUVER	V	VEH VEHICLE VERT VERTICAL VIF VERIFY IN FIELD
		M	MAX MAXIMUM MFD MANUFACTURED MFR MANUFACTURER MECH MECHANICAL MET METAL MEMB MEMBRANE MEZZ MEZZANINE MIN MINIMUM MISC MISCELLANEOUS MLWK MILLWORK MOIST MOISTURE MOT MOTOR(IZED) MTD MOUNTED	W	W/ WITH WC WATER CLOSET WD WOOD WDW WINDOW W/O WITHOUT WT WEIGHT WTRPRF WATERPROOFING
		N	NIC NOT IN CONTRACT NO NUMBER NTS NOT TO SCALE		
		O	ORNA ORNAMENTAL OVFL OVERFLOW OVHD OVERHEAD OPNG OPENING(S) OPR OPERABLE		

INDEX

ARCHITECTURAL

--	COVER
A00.00	INDEX AND PROJECT INFORMATION
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A01.01	DEMOLITION PLAN
A02.01	TEMPORARY CONSTRUCTION FLOOR PLAN
A02.02	FLOOR PLAN
A09.01	ELEVATIONS & DETAILS

SCOPE OF WORK

OVERALL SCOPE OF WORK

- CONSTRUCTION OF A PRE-FABRICATED METAL OPEN STRUCTURE TO COVER AN EXISTING PLAYGROUND

SCOPE OF WORK NOTES:

- WORK THAT IS NOT STATED HEREIN NOR SHOWN IN THESE PLANS IS NOT PART OF THE SCOPE OF WORK FOR THIS PROJECT.
- ADDITIONAL WORK REQUIRED THAT WOULD ALTER THE PRESENTED SCOPE OF WORK SHALL BE SUBJECT TO A REVISION OF THESE DOCUMENTS AND TO BE REVIEWED BY THE BUILDING DEPARTMENT HAVING JURISDICTION.
- ALL BIDS SHOULD INCLUDE MANUFACTURE'S WARRANTIES FOR A MINIMUM OF 5 YEARS AND INCLUDE A 5-YEAR MAINTENANCE PROGRAM TO BEGIN AT NOTICE OF SUBSTANTIAL COMPLETION

NOTE TO CONTRACTOR

- GC IS RESPONSIBLE TO RETURN THE SITE TO EXISTING CONDITIONS, RE-GRADE AND RE-SOD TO PREVIOUS CONDITIONS WHEN CONSTRUCTION IS COMPLETE"
- PATCH AND REPAIR ANY DAMAGED SURFACE AND POURED IN PLACE SAFETY SURFACE.
- ALL CONCRETE DEMOLITION AND REBUILD SHALL BE POURED IN FULL PANEL DIMENSIONS, JOINT TO JOINT.

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REGISTERED ARCHITECT
AR0010460

12/28/2018
ALBERT JOSEPH COOPER III AR-0010460
STATE OF FLORIDA REGISTRATION NUMBER AA-C001315
Architect • Seal/Signature

Project Documents for:

ORANGE COUNTY
FLORIDA

Project:
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04	12/28/2018	ISSUED FOR PERMIT	AA	AA

Client Information

Orange County
Capital Projects Division
400 E. SOUTH STREET
ORLANDO, FL 32801

Project Number 17034
Issue Date 02/21/2019

Drawn By AA
Project Status ISSUED FOR PERMIT

Checked By AA
Scale AS SHOWN

Consultant • Seal/Signature

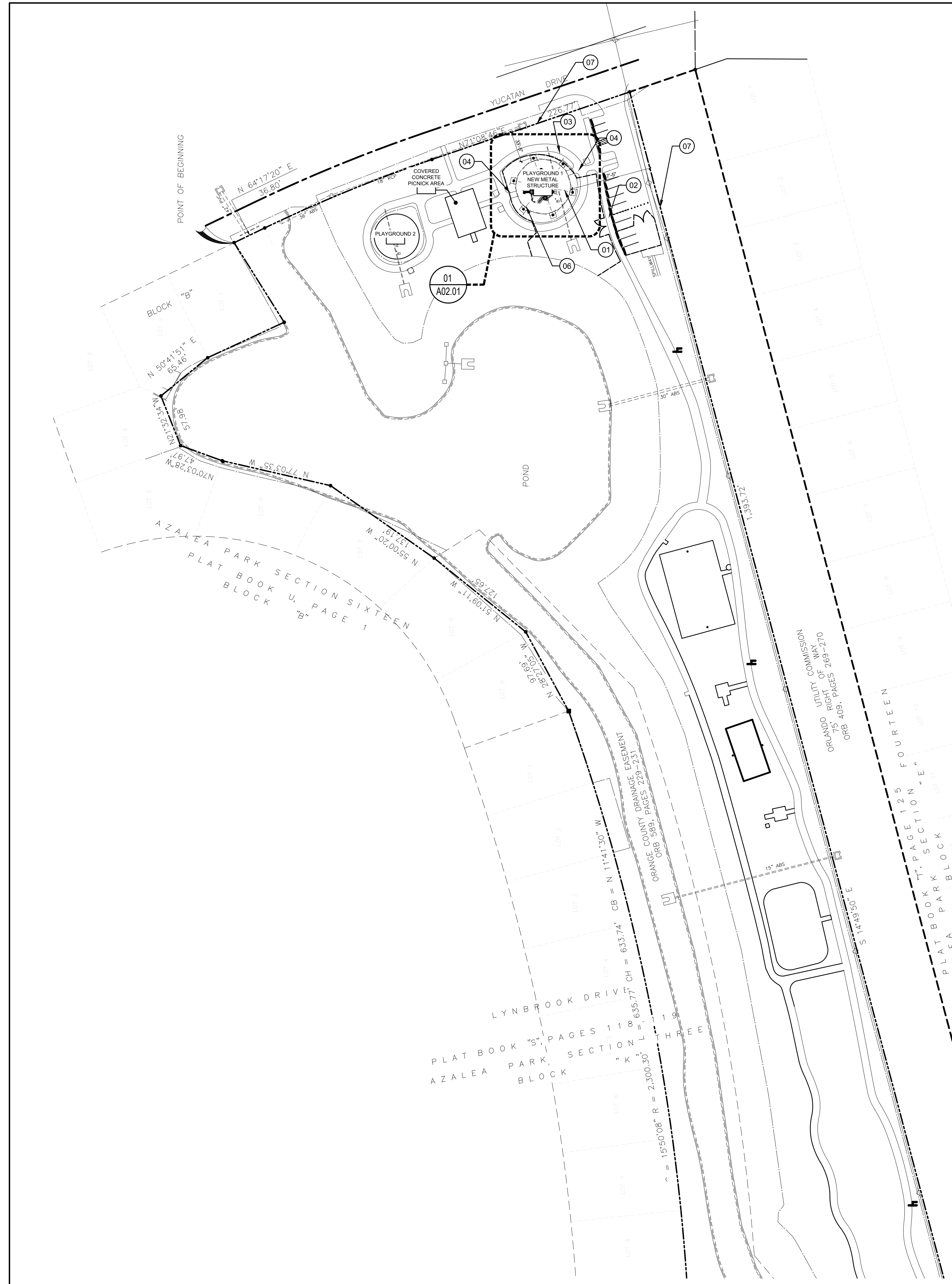
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INDEX AND PROJECT INFORMATION

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02/21/2019

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SITE PLAN
SCALE: 1/64" = 1'-0"



01



SITE PICTURE
SCALE: N.T.S

01



SITE PICTURE
SCALE: N.T.S

02



SITE PICTURE
SCALE: N.T.S

03



SITE PICTURE
SCALE: N.T.S

04

KEY NOTES

- 01 EXISTING EPDM COVERED CONCRETE. SEE DETAILS 02 & 03 ON PAGE A09.01
- 02 EXISTING 6'-0" CONCRETE SIDEWALK
- 03 EXISTING 8'-0" CONCRETE SIDEWALK
- 04 EXISTING FENCE GATE
- 05 EXISTING FENCE (4'-0" HEIGHT) SEE DETAIL 04 ON PAGE A09.01
- 06 NEW PRE-FABRICATED METAL OPEN STRUCTURE TO COVER EXISTING PLAYGROUND (2,544 SF)
- 07 PROPERTY LINE

SHEET NOTES

1. GC IS RESPONSIBLE TO RETURN THE SITE TO EXISTING CONDITIONS, RE-GRADE AND RE-SOD TO PREVIOUS CONDITIONS WHEN CONSTRUCTION IS COMPLETE.
2. EXISTING FENCE TO BE REINSTALLED WHEN CONSTRUCTION IS COMPLETE.
3. TARP COVERED CONCRETE TO BE REPAIR IF DAMAGED DURING CONSTRUCTION

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SPACE PLANNING

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01	02/21/2019	ISSUED FOR PERMIT	AA	

PLANNING

Client Information

Orange County
Capital Projects Division
400 E. SOUTH STREET
ORLANDO, FL 32801

ARCHITECTURE

Project Number	Issue Date
17034	02/21/2019
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Checked By	Scale
AA	AS SHOWN

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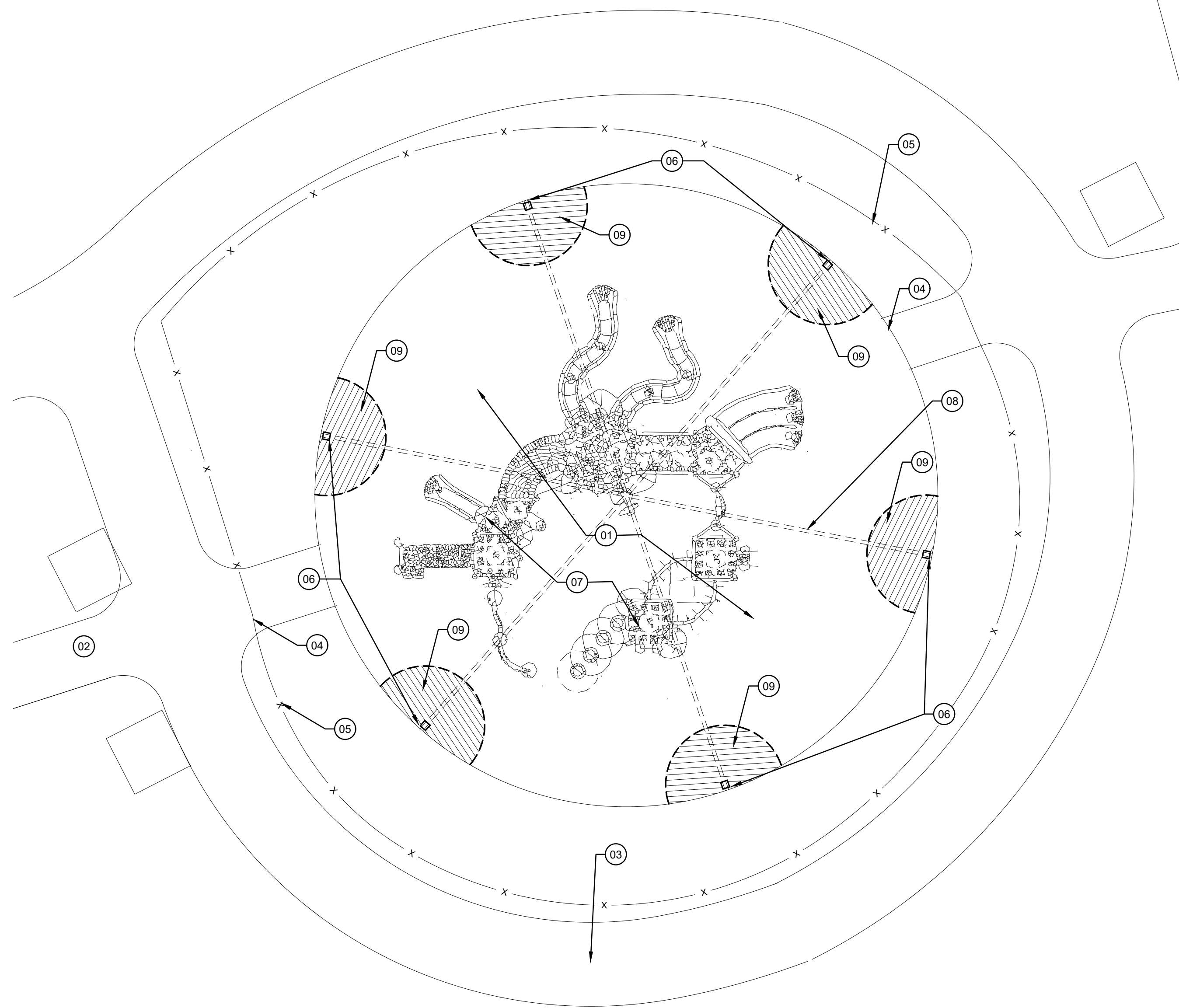
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SITE PLAN

Sheet Title:
SITE PLAN

A00.50

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46 L



FLOOR PLAN
SCALE: 1/8" = 1'-0"

01

KEY NOTES

- 01 EXISTING SAFETY SURFACE TO REMAIN. GC TO PROTECT DURING CONSTRUCTION.
- 02 EXISTING 6'-0" CONCRETE SIDEWALK
- 03 EXISTING 8'-0" CONCRETE SIDEWALK TO BE REMOVED AND RE-POURED AS REQUIRED TO ACCOMMODATE NEW CONCRETE FOOTINGS. COLOR AND FINISH TO MATCH EXISTING CONCRETE. ALL CONCRETE PANELS SHALL BE REPLACED WITH FULL PANEL DIMENSIONS, JOINT TO JOINT. NO PATCHES OR STRIP PATCHES ARE ALLOWED.
- 04 EXISTING FENCE GATE TO BE REMOVED AND REINSTALLED AS REQUIRED TO ACCOMMODATE THE SITE CONSTRUCTION PROCESS.
- 05 EXISTING FENCE (4'-0" HEIGHT) TO BE REMOVED AND NEW FENCE TO BE INSTALLED AS REQUIRED TO ACCOMMODATE FOOTING EXCAVATION AND CONCRETE POUR.
- 06 EXISTING METAL STRUCTURE TO BE DEMOLISHED. EXISTING COLUMNS AND FOOTINGS TO BE REMOVED. GC SHALL REMOVE SURFACE IN PATTERN AS SHOWN 5'-8" RADIUS FROM EDGE OF SURFACE, TO EXCAVATE AND DEMOLISH EXISTING STRUCTURE. CONTRACTOR SHALL PHOTOGRAPH THE DEMOLITION PROCESS OF THIS STRUCTURE FOR THE COMPTROLLER'S OFFICE AS REQUIRED TO ILLUSTRATE COMPLETE DESTRUCTION OF SHADE STRUCTURE.
- 07 EXISTING PLAYGROUND STRUCTURES TO BE PROTECTED DURING CONSTRUCTION.
- 08 EXISTING HEXAGON METAL SHADE STRUCTURE TO BE REMOVED.
- 09 EXISTING POURED IN PLACE. SAFETY SURFACE AND BASE MATERIAL TO BE REMOVED IN ORDER TO ACCOMMODATE THE FOOTING EXCAVATION AND CONSTRUCTION. ALL FOOTING SPOILS SHALL BE REMOVED FROM SITE AT THE CONTRACTOR EXPENSE. SEE DETAILS 02 & 03 ON PAGE A09.01

SHEET NOTES

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• SPACE PLANNING

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• INTERIOR DESIGN

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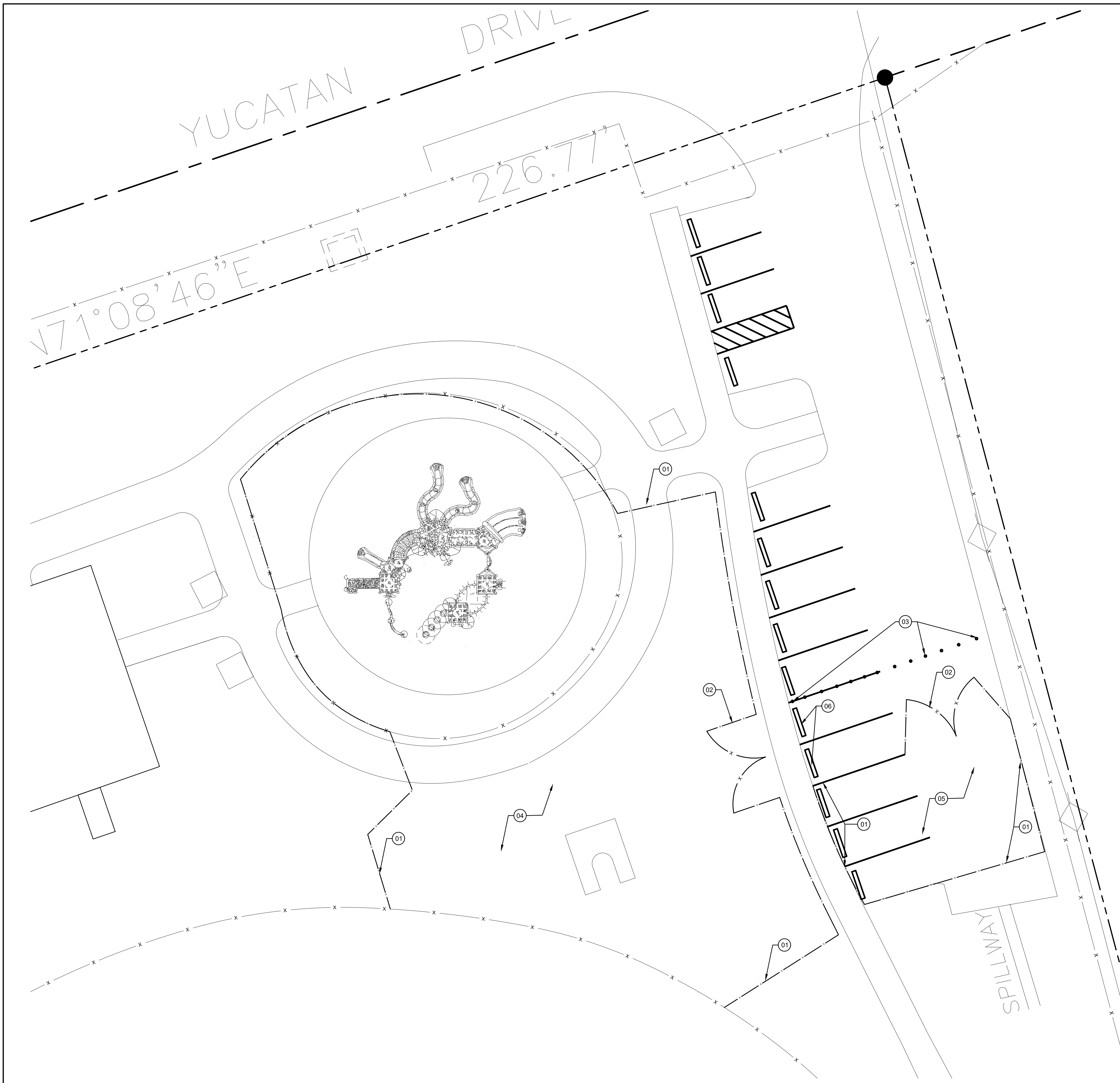
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Sheet Title:
DEMOLITION PLAN

Sheet Title:
DEMOLITION PLAN

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KEY NOTES

- 01 TEMPORARY 6'-0" HIGH FENCE TO BE INSTALLED DURING CONSTRUCTION TIME. GALVANIZED POLES IN DIRT TYPE UNLESS ON CONCRETE OR ASPHALT. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THROUGHOUT CONSTRUCTION PROCESS.
- 02 TEMPORARY CONSTRUCTION FENCE GATES. 6' HEIGHT LOCKABLE.
- 03 CONSTRUCTION CONES TO BE PLACED DURING WORK HOURS AND REMOVED DURING NON WORK HOURS. (EVENING, WEEKENDS)
- 04 TEMPORARY CONSTRUCTION STORAGE. (STRUCTURE)
- 05 TEMPORARY CONSTRUCTION STORAGE FOR DUMPSTER AND OTHER MATERIALS AS REQUIRED.
- 06 WHEELSTOP TO BE REMOVED TEMPORARILY AND REINSTALL AFTER CONCLUSION OF WORKS.

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• SPACE PLANNING

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SHEET NOTES

- A. THE TEMPORARY CONSTRUCTION FENCE WILL TIE TO EXISTING 6" FENCE AROUND POND ON SOUTH SIDE.

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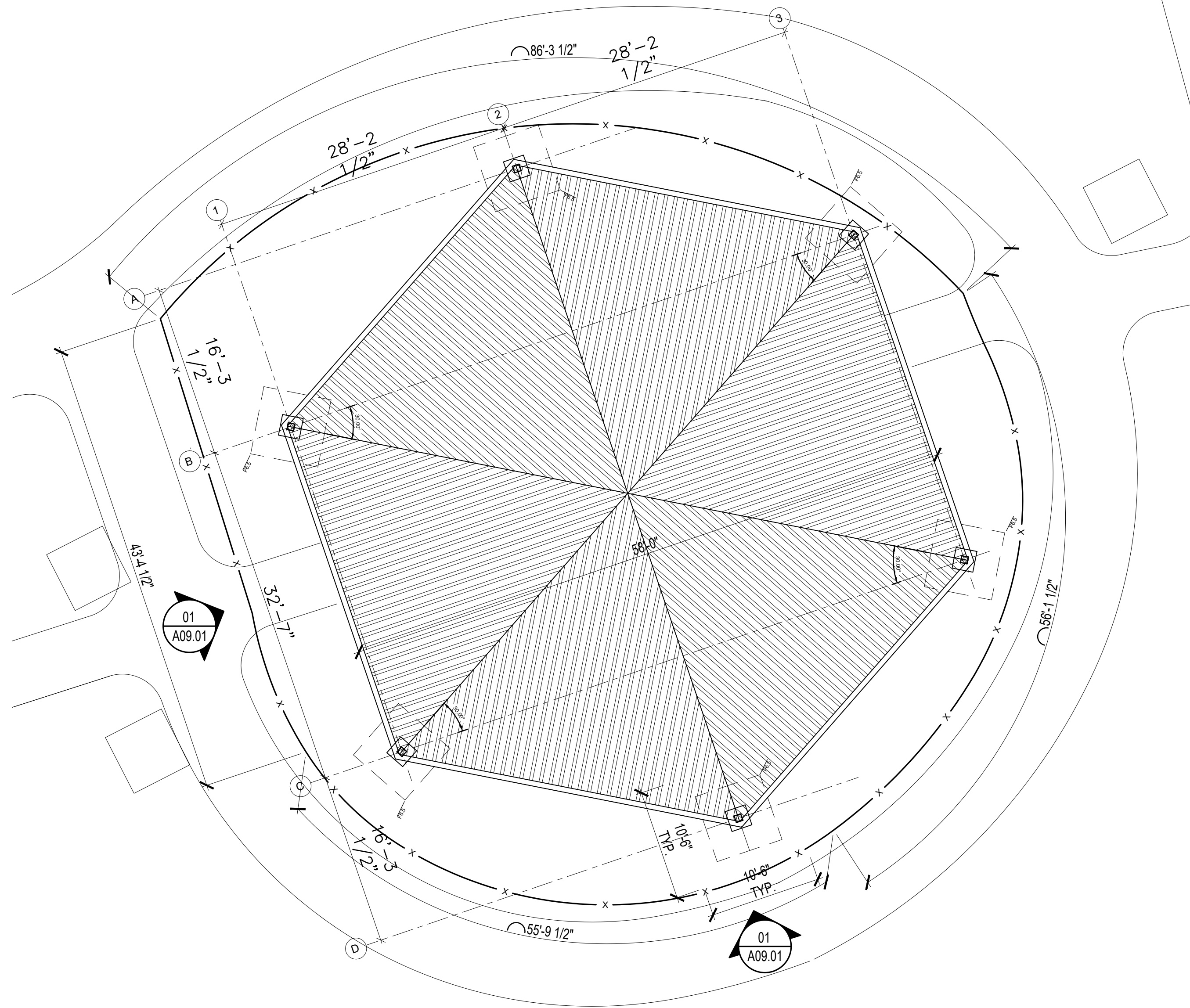
FLOOR PLAN
SCALE: 3/32" = 1'-0"

01

A02.01

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46 L



ROOF PLAN

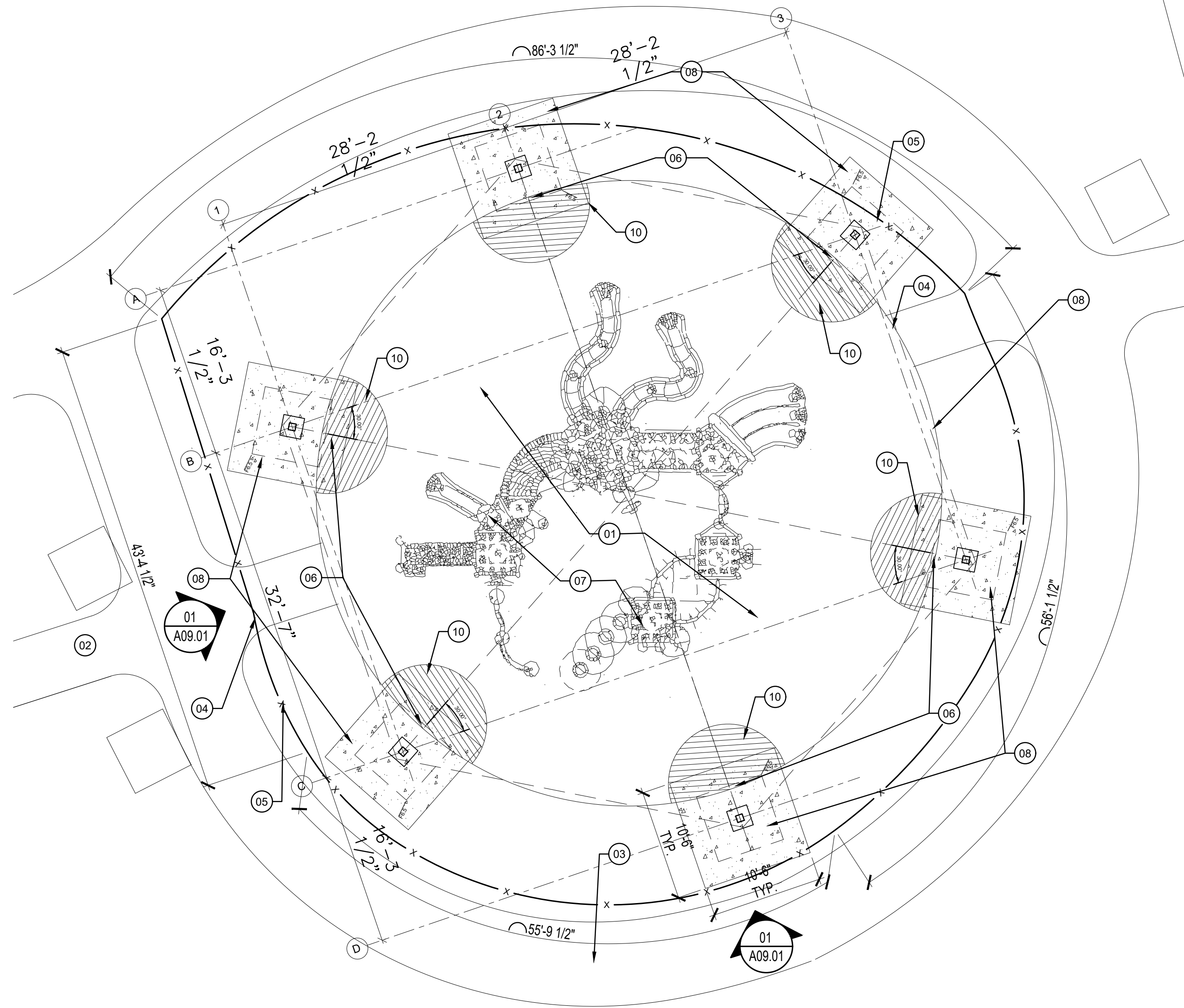
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02

KEY NOTES

- 01 EXISTING SAFETY SURFACE TO BE PROTECTED DURING CONSTRUCTION.
- 02 EXISTING 6'-0" CONCRETE SIDEWALK
- 03 EXISTING 8'-0" CONCRETE SIDEWALK TO BE REMOVED AND RE-POURED AS REQUIRED TO ACCOMMODATE PROPOSED CONCRETE FOOTINGS. COLOR AND FINISH TO MATCH EXISTING CONCRETE. ALL CONCRETE PANELS SHALL BE REPLACED WITH FULL PANEL DIMENSIONS, JOINT TO JOINT. NO PATCHES OR STRIP PATCHES ARE ALLOWED.
- 04 NEW FENCE TO BE INSTALLED . BLACK VINYL COATED CHAIN LINK WITH TOP RAIL AND BOTTOM TENSION OR WIRE. GATES LOCATED IN SAME POSITION AS IN PRE-CONSTRUCTION, DEMOLITION CONDITION.
- 05 EXISTING FENCE (4'-0" HEIGHT) TO BE REMOVED AS REQUIRED TO ACCOMMODATE FOOTING EXCAVATION AND CONCRETE POUR.
- 06 PROPOSED SAFETY SURFACE PATCH, 5'-8" RADIUS FROM EDGE OF SURFACE PATH TO MATCH EXISTING MATERIAL AND THICKNESS. PROPOSED PATCH COLOR BLUE. PATCHED SHALL BE EPDM 50/50 BLUE/BLACK MIX. INSTALL BASE AND SAFETY SURFACE PER DETAILS AND SPECIFICATIONS. TO MATCH EXISTING THICKNESS.
- 07 EXISTING PLAYGROUND STRUCTURES TO BE PROTECTED DURING CONSTRUCTION .
- 08 PROPOSED HEXAGONAL SHADE PAVILION, 58 FEET WIDE, GALVALUME STANDING SEAM ROOF WITH YELLOW PINE TONGUE AND GROOVE ROOF DECKING. ROOF DECKING WITH CLEAR COAT FINISH PRIOR TO SHIPPMENT, TOUCH UP ON SITE BY GC AS REQUIRED. BLACK POWDER COATED STEEL STRUCTURE AND COLUMNS.
- 09 PROPOSED CONCRETE FOOTINGS, REFER TO STRUCTURAL PLANS. REMOVE EXISTING STRUCTURAL FOOTINGS TO ACCOMMODATE THE NEW PAVILION FOOTINGS.
- 10 POURED IN PLACE EPDM SAFETY SURFACE WITH FACE TO MATCH EXISTING. IF AGREGATE NEEDS TO BE USED SHALL BE #89 GRANITE WITH FILTER FABRIC TOP AND BOTTOM. CONTRACTOR SHALL GLUE SEAMS AT EXISTING-NEW SURFACE TRANSITION PER MANUFACTURER RECOMENDATIONS. EDGE AT GRASS TO BE TURN DOWN EDGE. SEE DETAILS ON PAGE A09.01

46 L



FLOOR PLAN

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

01

SHEET NOTES

- A. THE PRE ENGINEERED METAL BUILDING SHALL BE DESIGNED AS A COMPLETE SYSTEM. ALL COMPONENTS OF THE SYSTEM SHALL BE SUPPLIED OR SPECIFIED BY THE SAME MANUFACTURER. REFER TO SPECIFICATION.
- B. BASIS OF DESIGN (SHOWN ON PLANS). VENDORS
 1. POLIGON. STRUCTURE HXE, 58', 15' HT. REP. SERVICES. (407) 831-9658. MARY LANGLEY
 2. ICON SHELTER. DOMINICA RECREATION PRODUCTS. (407) 331-0101. PHIL DOMICA
 3. AMERICANA BUILDING PRODUCTS. TOP LINE RECREATION. (800) 921-4509. ERNESTO SANTANA.

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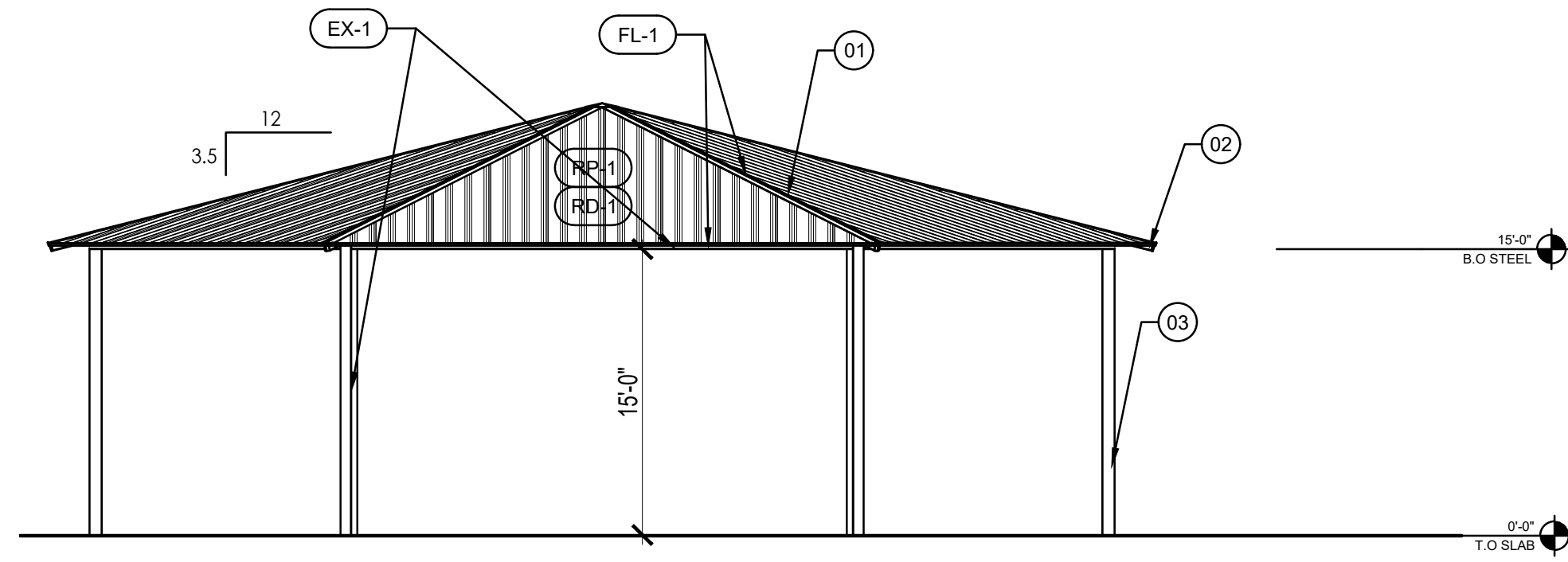
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FLOOR PLAN

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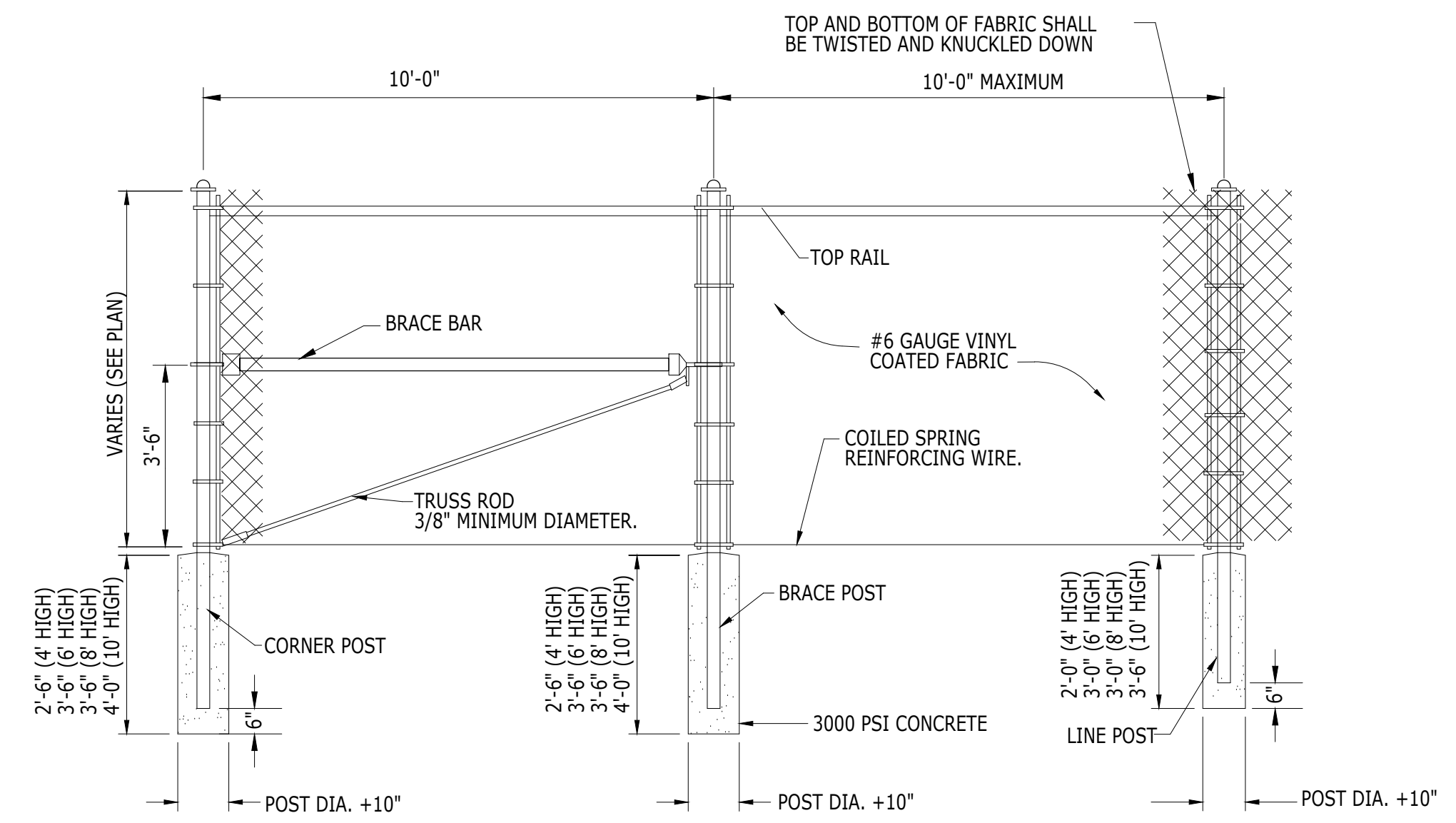
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02/21/2019



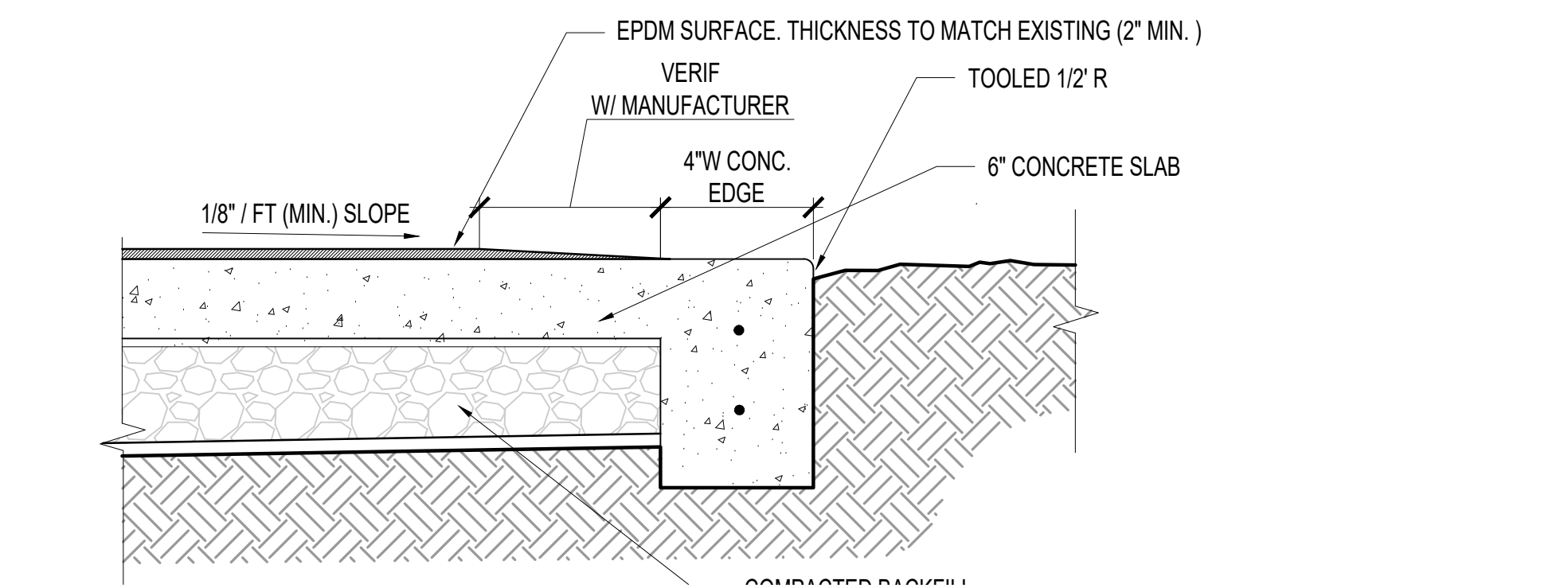
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01



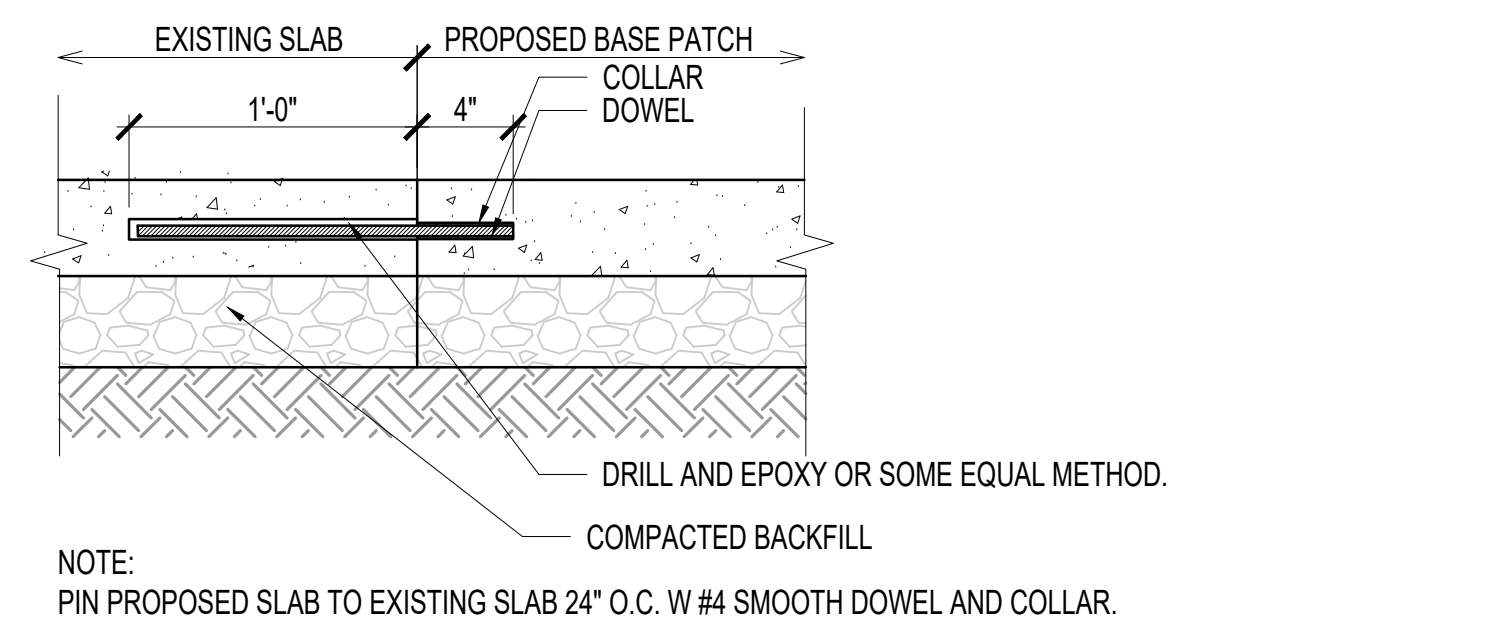
CHAIN LINK FENCE DETAIL
SCALE: NOT TO SCALE

04



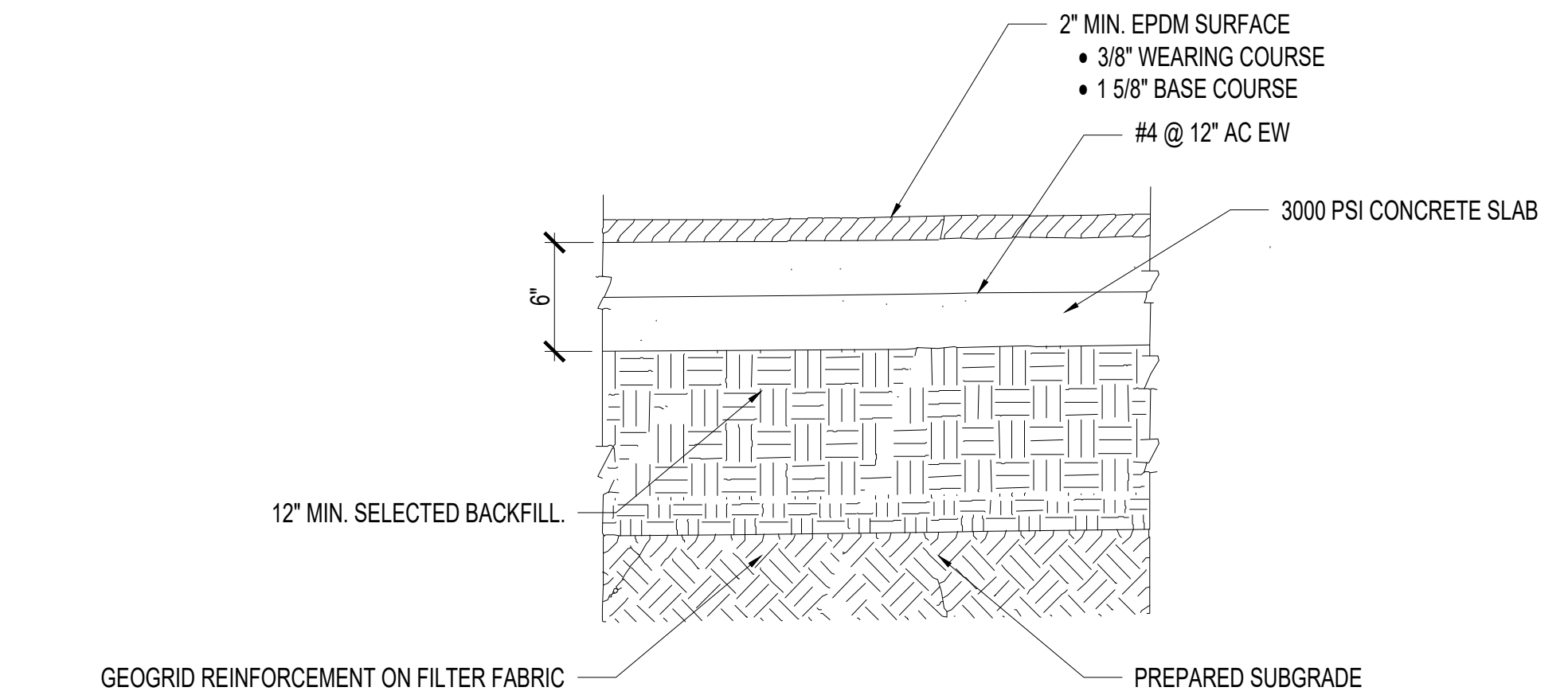
EPDM/GRASS EDGE DETAIL (EXISTING)
SCALE: 1-1/2"=1'-0"

02



DETAIL COLD JOINT CONCRETE SLAB
SCALE: 1-1/2"=1'-0"

05



SECTION @ PLAYGROUND / TOT-LOT SURFACE
SCALE: 1-1/2"=1'-0"

03

KEY NOTES

- 01 STANDING SEAM ROOF, GALVALUME COLOR BLUE, WITH YELLOW PINE ROOF DECK CLEAR COAT FINISH FACTORY APPLIED PRIOR TO SHIPPING. REFER TO SPECIFICATIONS
- 02 PREFINISHED GALV. METAL GABLE, RIDGE
- 03 BLACK POWDER COATED STEEL STRUCTURE

EXTERIOR FINISH SCHEDULE

METAL PANEL	STRUCTURE
RP-1 METAL ROOFING COLOR LIGHT BLUE	EX-1 BLACK POWDER COATED STEEL STRUCTURE AND COLUMNS COLOR BLACK
FL-1 METAL FLASHING COLOR BLACK	
RD-1 ROOF DECK, TONGUE & GROOVE YELLOW PINE WITH CLEAN COAT FINISH. FINISH TO BE FACTORY APPLIED BEFORE SHIPPING. G.C TO APPLY TOUCH UPS ON SITE AS REQUIRED.	

SHEET NOTES

- A. THE PRE ENGINEERED METAL BUILDING SHALL BE DESIGNED AS A COMPLETE SYSTEM. ALL COMPONENTS OF THE SYSTEM SHALL BE SUPPLIED OR SPECIFIED BY THE SAME MANUFACTURER. REFER TO SPECIFICATION.
- B. BASIS OF DESIGN (SHOWN ON PLANS), VENDORS
 - 1. POLIGON. STRUCTURE HXE, 58', 15' HT. REP. SERVICES. (407) 831-9658. MARY LANGLEY
 - 2. ICON SHELTER. DOMINICA RECREATION PRODUCTS. (407) 331-0101. PHIL DOMICA
 - 3. AMERICANA BUILDING PRODUCTS. TOP LINE RECREATION. (800) 921-4509. ERNESTO SANTANA.

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12/28/2018

ALBERT JOSEPH COOPER III AR-0010460
STATE OF FLORIDA REGISTRATION NUMBER AA-C001315
Architect • Seal/Signature

Project Documents for:

ORANGE COUNTY
FLORIDA

Project:
YUCATAN PLAYGROUND COVER INVEST

6400 Yucatan Dr.
Orlando, FL 32807

Issue	Date	Issue Description	By	Check
01	05/30/2018	60% DD REVIEW SET	AA	AA
02	07/17/2018	90% CD REVIEW SET	AA	AA
03	11/09/2018	90% CD REVIEW SET	AA	AA
04	12/28/2018	ISSUED FOR PERMIT	AA	AA

Client Information
Orange County
Capital Projects Division
400 E. SOUTH STREET
ORLANDO, FL 32801

Project Number	Issue Date
17034	02/21/2019

Drawn By: AA
Checked By: AA
Project Status: ISSUED FOR PERMIT
Scale: AS SHOWN

File Name

Consultant • Seal/Signature

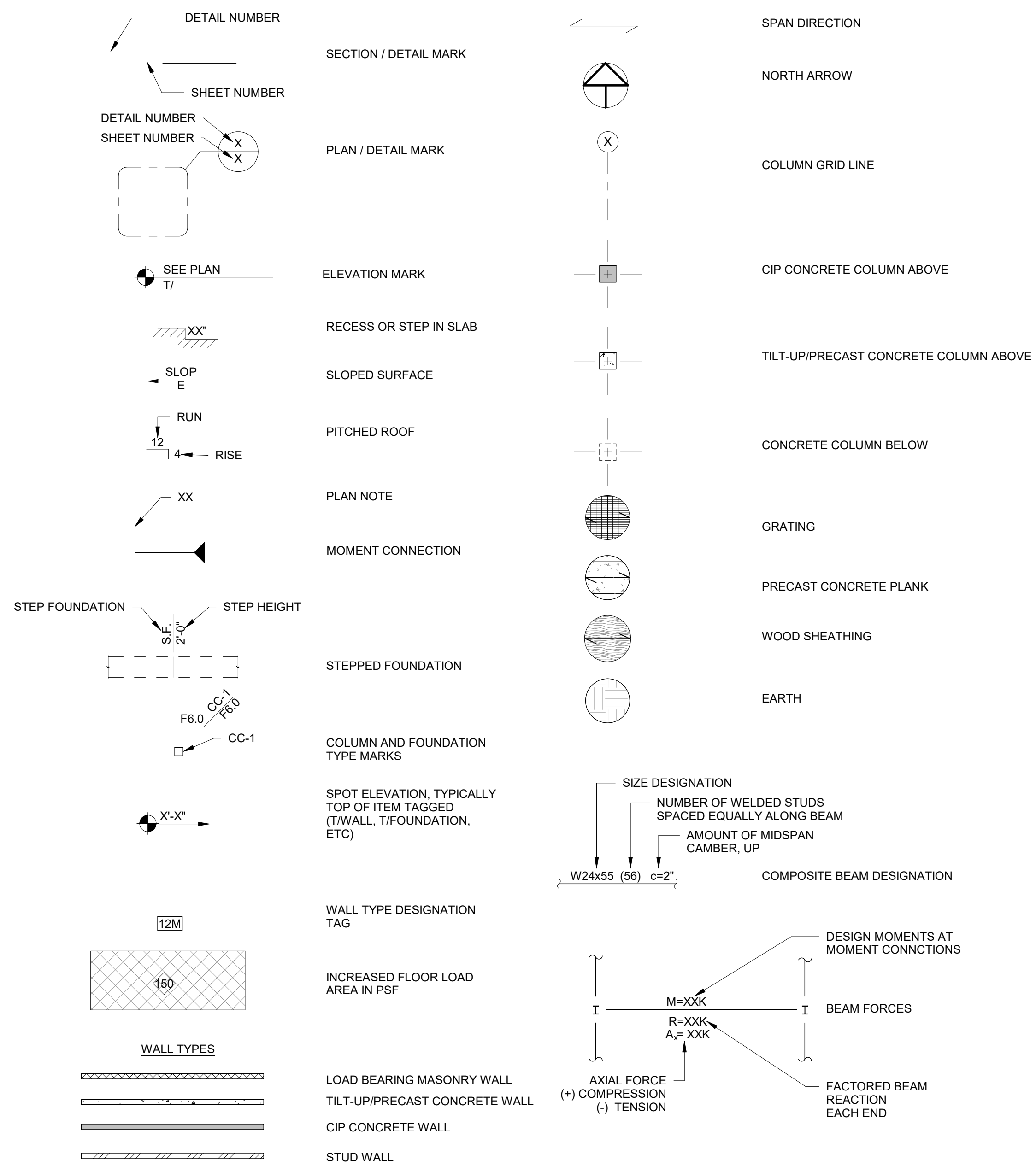
Sheet Title:
ELEVATIONS & DETAILS

A09.01
ISSUED FOR PERMIT
02/21/2019

STRUCTURAL ABBREVIATIONS

ABBREV	ABBREVIATION	LB	POUND
ACI	AMERICAN CONCRETE INSTITUTE	LGTH	LENGTH
ADD	ADDITIVE	LL	LIVE LOAD
ADDL	ADDITIONAL	LLH	LONG LEG HORIZONTAL
AFF	ABOVE FINISHED FLOOR	LLV	LONG LEG VERTICAL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	LSH	LONG SIDE HORIZONTAL
AISI	AMERICAN IRON AND STEEL INSTITUTE	LSV	LONG SIDE VERTICAL
AL	ALTERNATE/ALTERNATIVE	LONG.	LONGITUDINAL
ALUM	ALUMINUM	LS	LAMINATED STRAND LUMBER
ARCH	ARCHITECTURE/ARCHITECTURAL	LWT	LIGHT WEIGHT
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	LVL	LAMINATED VENEER LUMBER
AWS	AMERICAN WELDING SOCIETY		
B.O.	BOTTOM OF	MATL	MATERIAL
BLDG	BUILDING	MAX	MAXIMUM
BLK	BLOCK	MB	MASONRY BEAM
BM	BEAM	MECH	MECHANICAL
BOT	BOTTOM	MET	METAL
BP	BASE PLATE/BEARING PLATE	MFR	MANUFACTURE/MANUFACTURER
BRG	BEARING	MID	MIDDLE
BTWN	BETWEEN	MIN	MINIMUM
C	CHANNEL	MISC	MISCELLANEOUS
CB	CONCRETE BEAM	MO	MASONRY OPENING
CC	CONCRETE COLUMN	MPH	MILES PER HOUR
CF	CUBIC FEET (FOOT)	NGVD	NATIONAL GEODETIC VERTICAL DATUM
CIP	CAST IN PLACE	NIC	NOT IN CONTRACT
CJ	CONTRACTION JOINT	NO.	NUMBER
CL	CENTERLINE	NS	NEAR SIDE
CIP	CLEAR/CLEARANCE	NTS	NOT TO SCALE
CM	CONCRETE MASONRY	OC	ON CENTERS
CMU	CONCRETE MASONRY UNIT	OD	OUTSIDE DIAMETER
CO	COMPANY	O.F.	OUTSIDE FACE
COL	COLUMN	OPNG	OPENING
CONC	CONCRETE	OPP	OPPOSITE
CONT	CONTINUOUS	OSB	ORIENTED STRAND BOARD
CONN	CONNECTION	P/C	PRECAST CONCRETE/PILE CAP
CONST	CONSTRUCTION	P/T	POST TENSIONED
COORD	COORDINATE	PCB	PRECAST CONCRETE BEAM
CSJ	CONSTRUCTION JOINT	PC	PRECAST CONCRETE COLUMN
CTR	CENTER	PCF	POUNDS PER CUBIC FEET
CTRD	CENTERED	PEMB	PRE-ENGINEERED METAL BUILDING
CY	CUBIC YARD	PEN	PENETRATION
DEPT	DEPARTMENT	P.J.	PANEL JOINT CENTERLINE
DET	DETAIL	PL	PLATE
DIA	DIAMETER	PLF	POUNDS PER LINEAR FOOT
DIAG	DIAGONAL	PLMG	PLUMBING
DIM	DIMENSION	PLY.	PLYWOOD
DIST	DISTANCE	PREFAB	PREFABRICATED
DL	DEAD LOAD	PSF	POUNDS PER SQUARE FOOT
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DWG	DRAWING	PSL	PARALLEL STRAND LUMBER
EA	EACH	PT	PRESSURE TREATED
EF	EACH FACE	RD	ROOF DRAIN
EHPA	EMERGENCY HURRICANE PROTECTION AREA	REF	REFERENCE
ELEC	ELECTRIC/ELECTRICAL	REIN.	REINFORCING
EL. ELEV	ELEVATION	REQD	REQUIRED
ENGR	ENGINEER	REV	REVISION
EOD	EDGE OF DECK	RTU	ROOF TOP UNIT
EOR	ENGINEER OF RECORD	SB	SOFFIT BEAM
EOS	EDGE OF SLAB	SCHED	SCHEDULE
EQ SP	EQUAL SPACED	S.F.	SQUARE FEET
ES	EACH SIDE	SF	STRIP FOUNDATION
EW	EACH WAY	SIM	SIMILAR
EXIST	EXISTING	SPEC	SPECIFICATIONS
EXP	EXPANSION	SQ	SQUARE
EXT	EXTERIOR	SS	STAINLESS STEEL
F	FOUNDATION	STD	STANDARD
FD	FLOOR DRAIN	STIFF	STIFFENER
FDN	FOUNDATION	STL	STEEL
FF	FINISHED FLOOR	STRUCT	STRUCTURAL
FIN	FINISH	SYM	SYMMETRICAL
FIN GR	FINISH GRADE	T.O.	TOP OF
FLR	FLOOR	TB	TIE BEAM
FS	FAR SIDE	T&B	TOP AND BOTTOM
FT	FEET/FOOT	TDS	TURN DOWN SLAB
FTG	FOOTING	TE	THICKENED EDGE
GA	GAGE/GAUGE	TEMP	TEMPERATURE
GALV	GALVANIZED	TENS	TENSION
GB	GRADE BEAM	THD	THREAD/THREADED
GC	GENERAL CONTRACTOR	THK	THICK
GEN	GENERAL	TOL	TOLERANCE
GL	GRID LINE	TRANS	TRANSVERSE
GS	GALVANIZED STEEL	TS	TUBE STEEL
HD	HOT DIPPED	T.S	THICKENED SLAB
HDG	HOT DIPPED GALVANIZED	TWF	THICKENED WALL FOUNDATION
HORIZ	HORIZONTAL	TYP	TYPICAL
HSA	HEADED STUD ANCHOR	UNO	UNLESS NOTED OTHERWISE
HSS	HOLLOW STRUCTURAL SECTION	VERT	VERTICAL
HT	HEIGHT	VOL	VOLUME
I	MOMENT OF INERTIA	W	WIDE FLANGE SECTION
ID	INSIDE DIAMETER	W/	WITH
I.F.	INSIDE FACE	W/O	WITHOUT
IN.	INCH	WD	WOOD
INT	INTERIOR	WF	WALL FOOTING
JST	JOIST	WP	WATERPROOF
JT	JOINT	W.P.	WORKING POINT
K	KIP (1000 LB)	WS	WELDED STUD
KLF	KIPS PER LINEAL FOOT	WT	WEIGHT/STRUCTURAL TEE SECTION
KSI	KIPS PER SQUARE INCH	WWR	WELDED WIRE REINFORCEMENT
KWY	KEYWAY	@	AT DESIGNATION
		#	POUNDS / REBAR SIZE NUMBER
		+/-	PLUS OR MINUS
		°	ANGLE
		C.L.	CENTER LINE
		&	AND
		Sx	SECTION MODULUS
		k	MOMENT OF INERTIA

STRUCTURAL SYMBOLS AND LEGEND



NOTE: SYMBOLS AND LEGEND SHOWN ARE GENERIC AND DO NOT NECESSARILY INDICATE ACTUAL OCCURRENCES IN THESE DRAWINGS.

STRUCTURAL SHEET INDEX

SHEET #	SHEET TITLE
S001	ABBREVIATIONS SYMBOLS AND SHEET INDEX
S002	STRUCTURAL GENERAL NOTES
S100	FOUNDATION PLAN
S300	SECTIONS & DETAILS

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AA-C001315 | AR-0010536
RAYMUNDO FEITO, R.A. STATE OF FLORIDA

Project Documents for:

Project:
YUCATAN PLAYGROUND COVER INVEST
6400 Yucatan Dr.
Orlando, FL 32807

Issue	Date	Issue Description	By	Check
1	05/30/2018	60% SD REVIEW SET	MR	LBB
2	07/17/2018	90% CD REVIEW SET	MR	LBB
3	11/09/2018	90% CD REVIEW SET	MR	LBB
4	12/28/2018	ISSUED FOR PERMIT	MR	LBB

• SPACE PLANNING

Issue	Date	Issue Description	By	Check
01	02/21/2019	ISSUED FOR PERMIT	LBB	LBB

• INTERIOR DESIGN

Client Information

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Capital Projects Division
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ORLANDO, FL 32801

• PLANNING

Project Number	Issue Date
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Drawn By: MR
Project Status: ISSUED FOR PERMIT

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File Name

Consultant • Seal/Signature

CERT. OF AUTHORIZATION No. 27343
LAURA ISABEL BARBERO BUFFA
P.E. No. 74027

Sheet Title:
ABBREVIATIONS SYMBOLS AND SHEET INDEX

Engineering + Construction | CGC 1521662

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S001
ISSUED FOR PERMIT
02/21/2019

PRINTED ON:

TO THE BEST OF THE ENGINEER'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITH THE FLORIDA BUILDING CODE 2017

GENERAL NOTES

I. GENERAL

- A. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, SHOP DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE ALL ELEVATIONS AND DIMENSIONS, INCLUDING BUT NOT LIMITED TO THOSE FOR OPENINGS IN WALLS AND IN ROOF AND FLOOR SYSTEMS, WITH THE OTHER DISCIPLINES. THE GENERAL CONTRACTOR SHALL COMPARE ALL CONTRACT DRAWINGS AND REPORT ANY DISCREPANCY BETWEEN DISCIPLINES AND WITHIN A GIVEN DISCIPLINE TO THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- B. ALL DIMENSIONS, ELEVATIONS, AND ANY OTHER CONDITIONS OF ANY EXISTING STRUCTURES OR OTHER FEATURES SHALL BE VERIFIED BY THE GENERAL CONTRACTOR AND ANY DISCREPANCIES WITH THE CONTRACT DRAWINGS REPORTED TO THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. DURING THE CONSTRUCTION PROCESS, IT SHALL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF THE EXISTING STRUCTURE AND TO PROTECT FROM DAMAGE ANY PORTIONS THAT ARE TO REMAIN. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND TO SUBMIT TO ALL SUBCONTRACTORS AND SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS.
- D. IF A CONFLICT EXISTS AMONG THE STRUCTURAL DRAWINGS, GENERAL NOTES, OR THE SPECIFICATIONS, THE STRICTEST REQUIREMENTS, AS INDICATED BY THE ENGINEER, SHALL GOVERN.
- E. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. THE COMPLETED LATERAL-FORCE RESISTING SYSTEMS AND DIAPHRAGMS ARE REQUIRED FOR THE STRUCTURE TO RESIST LATERAL LOADS AND PROVIDE STABILITY UNDER GRAVITY LOADS. DURING THE CONSTRUCTION PROCESS, THE CONTRACTOR SHALL PROVIDE ALL REQUIRED BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS UNTIL THE LATERAL-LOAD RESISTING OR STABILITY-PROVIDING SYSTEM IS COMPLETELY INSTALLED AND THE STRUCTURE IS COMPLETELY TIED TOGETHER. THIS ALSO INCLUDES NECESSARY SHORING, SHEETING, GUYS OR TIE DOWNS.
- F. UNLESS OTHERWISE NOTED, DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS. DETAILS LABELED TYPICAL DETAILS ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE SIMILAR OR SAME TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION CAN BE DETERMINED BY THE TITLE OF DETAIL. SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE REFERENCED AT EACH LOCATION.
- G. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS AND FOR SAFETY PRECAUTIONS AND PROGRAMS DURING THE CONSTRUCTION PROCESS. IT SHALL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF THE EXISTING STRUCTURE AND TO PROTECT FROM DAMAGE ANY PORTIONS THAT ARE TO REMAIN.
- H. BASE CONSULTANTS, INC., SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSION OF THE CONTRACTOR OR FOR THEIR FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- I. PERIODIC SITE OBSERVATION BY BASE CONSULTANTS, INC. IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHALL NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK.
- J. ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXTEND LIFESPAN AND TO INSURE STRUCTURAL INTEGRITY FROM EXPOSURE TO THE ENVIRONMENT. A PLANNED PROGRAM OF MAINTENANCE SHALL BE ESTABLISHED BY THE BUILDING OWNER. THIS PROGRAM SHALL INCLUDE SUCH ITEMS SUCH AS BUT NOT LIMITED TO PAINTING OF STRUCTURAL STEEL, PROTECTIVE COATING FOR CONCRETE, SEALANTS, CALKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, SPALLS AND CRACKS IN CONCRETE, AND PRESSURE WASHING OF EXPOSED STRUCTURAL ELEMENTS EXPOSED TO A SALT ENVIRONMENT OR OTHER HARSH CHEMICALS.
- K. ANY MATERIALS OR PRODUCTS SUBMITTED TO ARCHITECT/OWNER FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIAL OR PRODUCTS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS WILL BE APPROVED ONLY IF THE FOLLOWING CRITERIA ARE SATISFIED:
 - 1. A COST SAVINGS TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST.
 - 2. THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) AND THE ICBO REPORT IS SUBMITTED WITH THE REQUEST. SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.
- L. CONTRACTOR TO ISSUE REQUEST FOR INFORMATION (RFI) FOR ANY INFORMATION NOT CLEAR/NOT SHOWN IN THE DRAWINGS.
- M. DO NOT SCALE DRAWINGS
- N. NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE ALTERED UNLESS APPROVED IN WRITING BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS INCURRED BY ENGINEER OF RECORD FOR THE REVIEW.

II. DESIGN CRITERIA

- A. THE CONTRACT DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE
 - 1. FLORIDA BUILDING CODE 2017.
- B. DEAD LOADS
 - 1. MISCELLANEOUS CEILING AND HANGING MECHANICAL AND ELECTRICAL LOADS: 4 PSF
- C. LIVE LOADS
 - 1. LIVE LOADS ARE BASED ON THE MORE RESTRICTIVE OF THE UNIFORM LOAD LISTED BELOW OR THE CONCENTRATED LOAD LISTED ACTING OVER A 6.25 SQUARE FOOT AREA EXCEPT FOR PARKING GARAGES WHICH ACT OVER AN AREA OF 20 SQUARE INCHES. LIVE LOADS HAVE BEEN REDUCED AS PRESCRIBED IN THE AFOREMENTIONED BUILDING CODE.

CATEGORY	UNIFORM LOAD (PSF)	CONCENTRATED LOAD (LBS)
a. ROOFS		
ALL ROOF SURFACES SUBJECT TO WORKERS ORDINARY ROOF	20	300

*OR EQUIPMENT WEIGHT IF GREATER
- D. DESIGN WIND LOADS:

ULTIMATE WIND SPEED	139 MPH
RISK CATEGORY	II
EXPOSURE	C
BUILDING TYPE:	OPEN
INTERNAL PRESSURE COEFFICIENT (Gcpi):	0.00

ULTIMATE COMPONENTS AND CLADDING WIND LOADS:
 +18.7 PSF / -9.4 PSF (ULTIMATE)
 +11.2 PSF / -38.0 PSF (NOMINAL)

IV. FOUNDATIONS

- A. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL INVESTIGATION REPORT, "GEOTECHNICAL ENGINEERING REPORT, YUCATAN NEIGHBORHOOD PARK - SHADE STRUCTURE, 6400 YUCATAN DRIVE, ORANGE COUNTY, FLORIDA," TERRACON PROJECT NUMBER: H1185002, TERRACON CONSULTANTS, INC., APRIL 20, 2018.
- B. THE GEOTECHNICAL REPORT IS AVAILABLE TO THE CONTRACTOR UPON REQUEST TO THE OWNER. STRUCTURAL ENGINEER WILL NOT BE RESPONSIBLE FOR THE ACCURACY OR APPLICABILITY OF SUCH DATA THEREIN.
- C. ALL FOOTINGS SHALL BEAR ON UNDISTURBED EARTH OR ENGINEERED FILL AT ELEVATIONS SHOWN ON PLANS AND DETAILS. SEE GEOTECHNICAL REPORT FOR MORE INFORMATION. THE MOISTURE RETARDER SHALL BE PLACED BETWEEN THE STONE AND THE SLAB.
- D. SEE SOILS REPORT FOR PREPARATION OF SOILS AT BUILDING PAD. ALL SOILS WORK, INCLUDING BACKFILL OF UTILITY TRENCHES AND THE VERIFICATION OF BEARING CAPACITY OF SAME SHALL BE UNDER THE DIRECTION OF A QUALIFIED SOILS ENGINEER. PROXIMITY OF UTILITY TRENCHES TO BUILDING FOUNDATION SYSTEM SHALL BE AS APPROVED BY THE SOILS ENGINEER TO INSURE INTEGRITY OF THE BEARING SOILS.
- E. NO FOUNDATION CONCRETE SHALL BE INSTALLED UNTIL ALL FOUNDATION WORK HAS BEEN COORDINATED WITH UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ALL CONFLICTS THAT EXIST BETWEEN FOOTINGS AND UTILITIES.
- F. ALL FOUNDATIONS OR PORTIONS THEREOF, BELOW GRADE MAY BE EARTH FORMED BY NEAT EXCAVATIONS.
- G. UNLESS OTHERWISE SHOWN, ALL FOOTINGS SHALL BE CENTERED ON WALLS AND/OR COLUMNS.
- H. THE CONTRACTOR SHALL DETERMINE THE EXTENT OF CONSTRUCTION DEWATERING REQUIRED FOR THE EXCAVATION. THE CONTRACTOR SHALL SUBMIT TO THE GEOTECHNICAL ENGINEER FOR REVIEW THE PROPOSED PLAN FOR CONSTRUCTION DEWATERING, PRIOR TO EXCAVATION.
- I. FOOTINGS SHALL NOT BE PLACED ON FROZEN SUBGRADE OR IN STANDING WATER.
- J. BACKFILL BEHIND RETAINING WALLS SHALL BE WITH AN ENGINEERED FILL CONSISTING OF CLEAN COARSE SAND. HEAVY EQUIPMENT SHOULD NOT BE ALLOWED WITHIN 8 FEET OF ANY EARTH RETAINING WALL. USE ONLY HAND OPERATED VIBRATORY COMPACTORS FOR COMPACTING BEHIND RETAINING WALLS.
- K. FOUNDATION TYPE
 - 1. SPREAD FOOTING:
 - a. TOTAL LOAD: 1500 PSF NET PRESSURE.

V. CONCRETE

- A. CONCRETE SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

CONCRETE 28 DAY COMPRESSIVE STRENGTH AND DENSITY REQUIREMENTS:	USAGE	STRENGTH (PSI)	CONC. TYPE	COMMENTS
a.	ALL CONCRETE NOT OTHERWISE SPECIFIED	3000	NWT	
b.	FOUNDATIONS, FOOTINGS, GRADE BEAMS	3000	NWT	
c.	PLINTHS AND PILASTERS	3000	NWT	
d.	SUPPORTING STEEL COLUMNS SLAB-ON-GRADE	3000	NWT	NOTE 2

 - 1. INDICATED CONCRETE TYPES SHALL BE PROPORTIONED FOR MAXIMUM WATER CEMENT RATIO OF 0.51.
 - 2. NWT = NORMAL WEIGHT CONCRETE
 - 3. ALL CONCRETE SHALL HAVE ALLOWABLE UNIT SHRINKAGE OF 0.03% AT 28 DAYS. (SEE ASTM C157)
 - 4. EXTERIOR CONCRETE SLABS SHALL HAVE 4% TO 6% ENTRAINED AIR
- B. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PRACTICE".
- C. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I OR II.
- D. ALL AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C 33.
- E. ALL REINFORCEMENT SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
 - 1. ALL REINFORCING, UNO: ASTM A615 GRADE 60
 - 2. DEFORMED BAR ANCHORS (DBA): ASTM A496 (75 KSI)
 - 3. WELDED WIRE REINFORCEMENT (WWR):
 - a. SMOOTH WIRE: ASTM A 185 (65 KSI)
- F. REINFORCEMENT DETAILING:
 - 1. REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 318.
 - 2. PLACEMENT OF WELDED WIRE REINFORCEMENT: WHEREVER WELDED WIRE REINFORCEMENT IS SPECIFIED AS REINFORCEMENT, IT SHALL BE CONTINUOUS ACROSS THE ENTIRE CONCRETE SURFACE AND NOT INTERRUPTED BY BEAMS OR GIRDERS. AP WWR ONE CROSSWIRE SPACING PLUS 2".
 - 5. REINFORCING STEEL COVERAGE: THE CONCRETE COVER FOR REINFORCEMENT LAYERS NEAREST TO THE SURFACE SHALL BE IN ACCORDANCE WITH ACI 318 UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS OR ON THE DRAWINGS.
 - 6. DEVELOPMENT AND SPLICE LENGTHS ARE IN TENSION UNLESS OTHERWISE INDICATED.
 - 7. PROVIDE CORNER BARS AT ALL FOOTINGS AND WALL INTERSECTIONS TO MATCH HORIZONTAL REINFORCING SIZE AND SPACING. AT INTERSECTIONS OF CONTINUOUS SPREAD FOOTINGS EXTEND ALL BARS TO FAR SIDE OF INTERSECTING FOOTING.
 - 8. REINFORCEMENT SHALL BE SECURELY PLACED TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT. PROVIDE THE FOLLOWING CONCRETE COVER FOR REINFORCING (TABLE 3.2.2 OF ACI 301), UNLESS SPECIFICALLY DETAILED OTHERWISE:
 - 9. PROVIDE DOWELS TO MATCH REINFORCEMENT SIZE AND SPACING INDICATED FOR ALL STRUCTURAL ELEMENTS, UNLESS OTHERWISE INDICATED.
- G. CONCRETE WALLS SHALL BE TEMPORARILY BRACED AGAINST EARTH PRESSURE AND OTHER FORCES UNTIL FLOOR SLABS ARE IN PLACE AND HAVE ATTAINED REQUIRED STRENGTHS.
- H. PROVIDE CONTROL JOINTS IN CONCRETE CANTILEVERED RETAINING WALLS AT EQUAL INTERVALS NOT TO EXCEED 25 FEET. PROVIDE EXPANSION JOINTS AT EVERY FOURTH CONTROL JOINT.
- I. HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS SHALL NOT BE USED UNLESS SHOWN ON THE DRAWINGS. THE ARCHITECT/ENGINEER SHALL APPROVE ALL DEVIATIONS OR ADDITIONAL JOINTS IN WRITING.
- J. SLABS AND BEAMS OR JOISTS SHALL BE CAST MONOLITHICALLY UNLESS OTHERWISE INDICATED.
- K. CHAMFER ALL PERMANENTLY EXPOSED CONCRETE EDGES 3/4-INCH, UNO.
- L. NO HOLES OR OPENINGS THROUGH FOUNDATION WALLS AND/OR FOOTINGS WITHOUT ENGINEER'S APPROVAL.
- M. ALUMINUM SHALL NOT BE EMBEDDED IN ANY CONCRETE.

VI. POST-INSTALLED ANCHORS

- A. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS.
- B. CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS.
- C. CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING REBAR. HOLES SHALL BE DRILLED AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS. ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT NOT LESS THAN MINIMUM EDGE DISTANCES AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE. CONTACT MANUFACTURER PRIOR TO ANCHOR INSTALLATION, IF TRAINING IS REQUIRED.
- D. UNLESS SPECIFIED OTHERWISE, ANCHORS SHALL BE EMBEDDED IN THE APPROPRIATE SUBSTRATE WITH A MINIMUM EMBEDMENT OF 8 TIMES THE NOMINAL ANCHOR DIAMETER OR THE EMBEDMENT REQUIRED TO SUPPORT THE INTENDED LOAD.
- E. SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE LISTED BELOW, SHALL BE SUBMITTED TO THE ENGINEER WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER SHOWING THAT THE SUBSTITUTED PRODUCT WILL ACHIEVE AN EQUIVALENT CAPACITY USING THE APPROPRIATE DESIGN PROCEDURE REQUIRED BY THE BUILDING CODE FOR REVIEW AND APPROVAL.
- F. ACCEPTABLE PRODUCTS ARE:
 - 1. "CRACKED CONCRETE" MECHANICAL ANCHORS:
 - a. "HILTI KB-TZ" BY HILTI.
 - 2. "CRACKED CONCRETE" ADHESIVE ANCHORS:
 - a. "HIT RE500-SD" BY HILTI.

XVII. SPECIALTY ENGINEERING REQUIREMENTS

THE FLORIDA STATE OF PROFESSIONAL ENGINEERS HAS ISSUED STATEMENTS ON RESPONSIBILITIES OF PROFESSIONAL ENGINEERS, IN ACCORDANCE WITH RULE 21H-19.00(3) CERTAIN COMPONENTS OF THE STRUCTURE REQUIRE THE WORK OF A SPECIALTY ENGINEER FOR THE DESIGN OF THOSE COMPONENTS.

XVIII. SUBMITTALS

- A. THE GENERAL CONTRACTORS SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMITTING FOR REVIEW. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND/OR ENGINEER AND HAVE THE ENGINEER'S SHOP DRAWING STAMP AFFIXED PRIOR TO FABRICATION, FABRICATION AND ERECTION SHALL BE FROM REVIEWED SHOP DRAWINGS.
- B. A RECORD SET OF APPROVED SHOP DRAWINGS SHALL BE KEPT IN THE FIELD BY THE GENERAL CONTRACTOR.
- C. ANY DEVIATION FROM, ADDITION TO, SUBSTITUTION FOR, OR MODIFICATION TO THE STRUCTURE OR ANY PART OF THE STRUCTURE DETAILED ON THE CONTRACT DOCUMENTS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS SUBMITTED FOR REVIEW DO NOT CONSTITUTE "IN-WRITING" UNLESS IT IS CLEARLY NOTED THAT SPECIFIC CHANGES ARE BEING SUGGESTED.
- D. THE FOLLOWING SHOP DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR FOR THE ENGINEER'S REVIEW:
 - 1. PREFABRICATED CANOPY STRUCTURE
 - 2. MISCELLANEOUS STEEL
 - 3. CONCRETE MIX DESIGNS
 - 4. EMBEDDED ITEMS (PLATES, ANGLES, BOLTS, ETC.) OR ITEMS ATTACHED TO THE STRUCTURAL FRAME FOR BUILDING CLADDING ATTACHMENT OR FOR ATTACHMENT OF OTHER ITEMS (2)
 - 5. REINFORCING STEEL

ITEMS MARKED (1) SHALL HAVE SHOP DRAWINGS SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED. ITEMS MARKED (2) SHALL BE SUBMITTED TO ENGINEER FOR OWNER'S RECORD ONLY AND WILL NOT HAVE THE ENGINEER'S SHOP DRAWING STAMP AFFIXED. ITEMS MARKED (3) SHALL HAVE DESIGN CALCULATIONS SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE OF FLORIDA.
- E. THE OMISSION FROM THE SHOP DRAWINGS OF ANY MATERIALS REQUIRED BY THE CONTRACT DOCUMENTS TO BE FURNISHED SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF FURNISHING AND INSTALLING SUCH MATERIALS, REGARDLESS OF WHETHER THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED.
- F. THE USE OF ELECTRONIC FILES OR REPRODUCTIONS OF THESE CONTRACT DOCUMENTS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES THEIR ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES THEMSELVES TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.
- G. REQUEST FOR INFORMATION SHALL BE ORIGINATE WITH CONTRACTOR AND SHALL BE SUBMITTED TO THE ENGINEER VIA ARCHITECT OR DIRECTLY TO ENGINEER WHEN APPROVED BY ARCHITECT. RFI SHALL BE SUBMITTED IN A PROMPT MANNER TO AVOID DELAYS IN THE CONTRACTORS WORK.
- H. RFI RESPONSES ARE NOT INTENDED TO AUTHORIZE ANY INCREASE IN CONSTRUCTION COST, SCHEDULE OR CONFLICT WITH APPLICABLE STANDARDS OR CODES. IT IS TECH RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY DESIGN TEAM IMMEDIATELY MANY PERCEIVED COST, SCHEDULE OR SCOPE IMPACTS.



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AA-C001315 | AR-0010536
 RAYMUNDO FEITO, R.A. STATE OF FLORIDA

Project Documents for:



Project:
 YUCATAN PLAYGROUND COVER INVEST

6400 Yucatan Dr.
 Orlando, FL 32807

Issue	Date	Issue Description	By	Check
1	05/30/2018	60% SD REVIEW SET	MR	LBB
2	07/17/2018	90% CD REVIEW SET	MR	LBB
3	11/09/2018	90% CD REVIEW SET	MR	LBB
4	12/28/2018	ISSUED FOR PERMIT	MR	LBB

• SPACE PLANNING

• INTERIOR DESIGN

• PLANNING

• ARCHITECTURE

• BUILDING CODE 2017

• COMPLIANCE

• SPECIFICATIONS

• DRAWINGS

• PERMITS

• CONTRACT ADMINISTRATION

• CONSTRUCTION ADMINISTRATION

• PROJECT CLOSEOUT

• LEGAL

• FINANCE

• MARKETING

• OPERATIONS

• MAINTENANCE

• REPAIRS

• REPLACEMENT

• RENOVATION

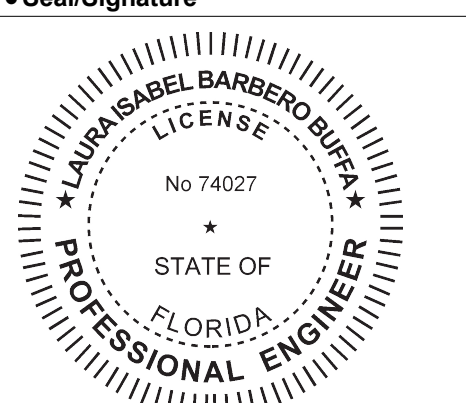
Client Information

Orange County
 Capital Projects Division
 400 E. SOUTH STREET
 ORLANDO, FL 32801

Project Number	Issue Date
17034	02/21/2019
Drawn By	Project Status
MR	ISSUED FOR PERMIT
Checked By	Scale
LBB	

File Name

Consultant Seal/Signature



CERT. OF AUTHORIZATION No. 27343
 LAURA ISABEL BARBERO BUFFA
 P.E. No. 74027

Sheet Title:

STRUCTURAL GENERAL NOTES



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 P: 407.377.7227

S002

ISSUED FOR PERMIT
 02/21/2019

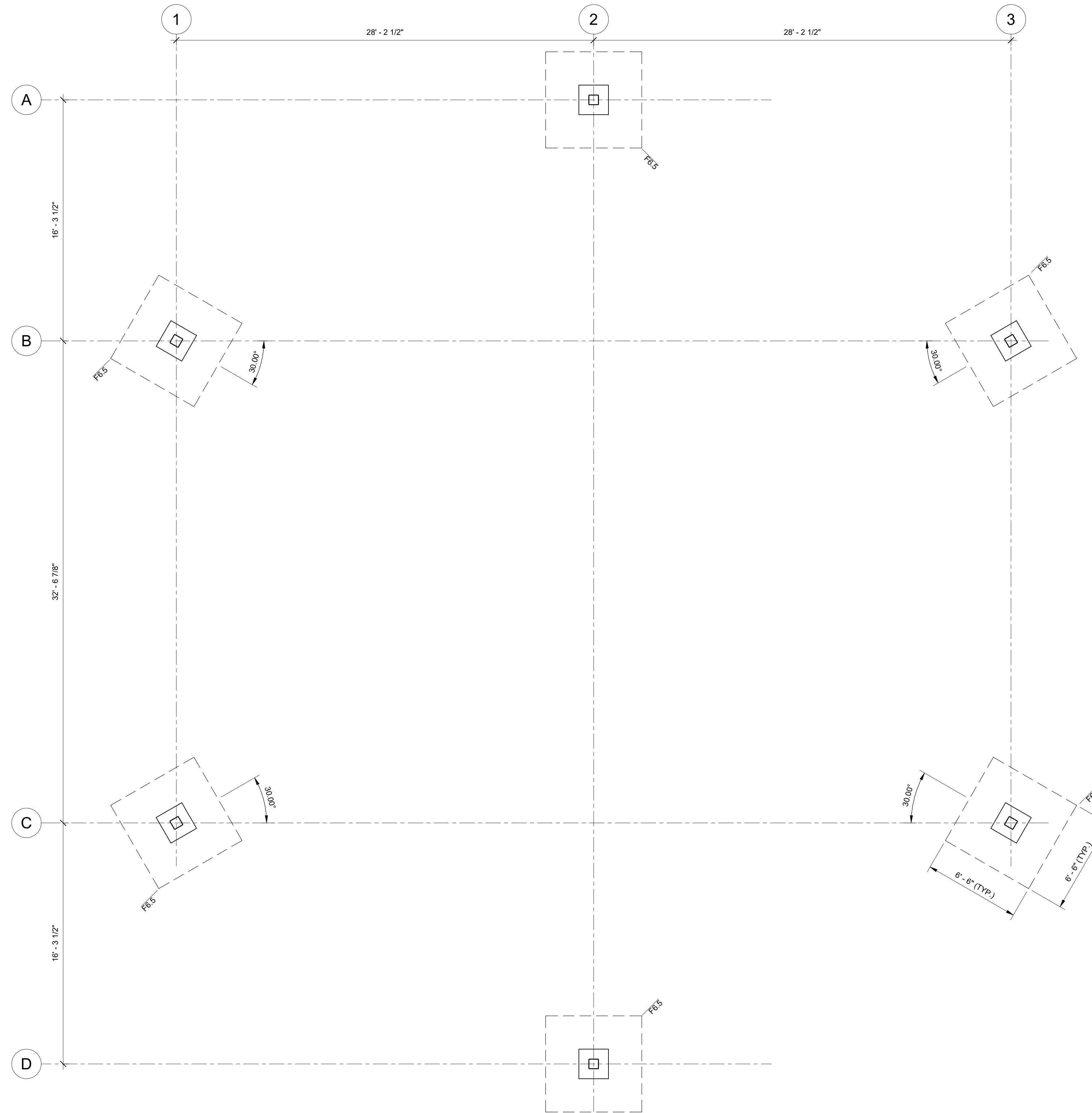
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OWNERSHIP OF INSTRUMENTS OF SERVICE:
 ALL REPORTS, PLANS, SPECIFICATIONS, FIELD DATA AND NOTES AND OTHER DOCUMENTS, INCLUDING ALL DOCUMENTS ON ELECTRONIC MEDIA, PREPARED BY THE DESIGN PROFESSIONAL AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL.

TO THE BEST OF THE ENGINEER'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITH THE FLORIDA BUILDING CODE 2017

FOUNDATION PLAN NOTES

1. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. FOUNDATION LEGEND:
F6.5: 6'-6" x 6'-6" x 1'-4" DEEP REINF. W/ (8) #5 EACH WAY TOP AND BOT.
3. CANOPY COLUMNS AND ATTACHMENT TO PEDESTAL BY SPECIALTY ENGINEER.
4. WHERE EXISTING SLAB ON GRADE IS REMOVED TO INSTALL NEW FOUNDATIONS, REPOUR 6" THICK SLAB REINFORCED W/ #4 @ 12" O.C. EA. WAY CENTERED IN SLAB. SEE DETAIL 2/S300.



FOUNDATION PLAN
1/4" = 1'-0"

Project Documents for:



Project:
YUCATAN PLAYGROUND COVER INVEST
6400 Yucatan Dr.
Orlando, FL 32807

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• SPACE PLANNING

• INTERIOR DESIGN

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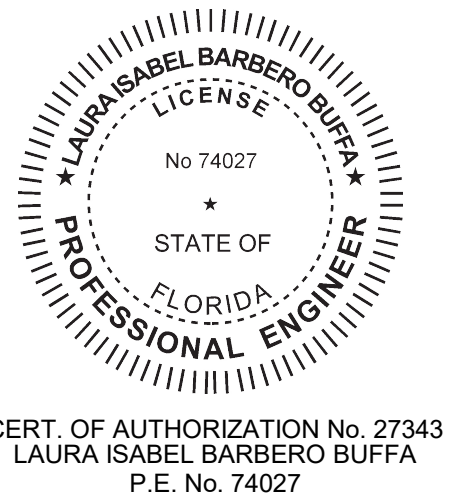
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Orange County
Capital Projects Division
400 E. SOUTH STREET
ORLANDO, FL 32801

Project Number	Issue Date
17034	02/21/2019
Drawn By	Project Status
MR	ISSUED FOR PERMIT
Checked By	Scale
LBB	As indicated

File Name

Consultant • Seal/Signature



Sheet Title:

FOUNDATION PLAN

S100

ISSUED FOR PERMIT
02/21/2019



CERTIFICATE OF AUTHORIZATION No. 27343
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