		8	7		6
PLOTTE	D: 7	7/12/2022 12:07 PM JOSHUA GAL	LER		
	G	ENERAL NOTES:		CONCRE	TE NOTES:
	1.	THESE NOTES ARE GENERAL AND SUPPLEME SPECIFICATIONS. THESE NOTES APPLY TO TH UNLESS MODIFIED OR NOTED OTHERWISE IN DOCUMENTS.	HE ENTIRE PROJECT	CLASS A CLASS B CLASS C	DAY COMPRESSIVE STRENGT - 2500 PSI FOR CONCRETE - 3000 PSI FOR SIDEWALKS - 5000 PSI ALL FOUNDATIO
	2.	DESIGN IS IN ACCORDANCE WITH AND CONS WITH THE PROVISIONS OF THE 2017 FLORIDA WHERE OTHER APPLICABLE CODES AND THE ARE MORE RESTRICTIVE.	BUILDING CODE, EXCEPT	2. REINFORCEMEN 3. CONCRETE COV	- 5000 PSI PRE-CAST CON(IT: ASTM A615, GRADE 60. /ER FOR REINFORCING:
	3.	LIVE LOADS: HATCHES: 300 PSF PROCESS AREAS: 200 PSF STAIRS & PLATFORMS: 100 PSF CANAL SLAB-ON-GRADE LIGHT TR 200 SPF	RUCK LOADING = OR 6 KIP TRATED LOAD	B) TC WA C) FO WE D) BC LIC E) SU	RFACES CAST AGAINST SUBO P SURFACES OF SLABS WHEN ATERSTOP IS REQUIRED IN W. RMED SURFACES IN CONTAC EATHER, SOIL, OR LIQUID TTOM SURFACES OF SLABS (QUID RFACES NOT IN CONTACT WI
	4.	ALL DIMENSIONS INDICATED (*) ARE TO BE VE MEASUREMENTS FOR EXISTING STRUCTURE FOR EQUIPMENT FURNISHED. STRUCTURAL I BUT CONTROLLED BY OR RELATED TO EQUIP WITH THE MANUFACTURER PRIOR TO CONST	ERIFIED EITHER BY FIELD S OR BY SHOP DRAWINGS DIMENSIONS NOT SHOWN MENT SHALL BE VERIFIED	4. CONSTRUCTION SHOWN, CONST	EATHER, SOIL, OR LIQUID I JOINTS SHALL BE LOCATED RUCTION JOINTS SHALL BE L IIT PROPOSED CONSTRUCTIC I.
	5.	EQUIPMENT ANCHOR BOLT SIZES, TYPES, AN VERIFIED WITH THE MANUFACTURER. ALL BO TEMPLATED TO INSURE ACCURACY OF PLAC	ID PATTERNS SHALL BE DLT PATTERNS SHALL BE		NTAL CONSTRUCTION JOINTS D WHERE NEEDED, TERMINA THE ENGINEER.
	6.	STRUCTURAL DRAWINGS SHALL BE USED IN DRAWINGS OF ALL OTHER DISCIPLINES AND DRAWINGS.	COORDINATION WITH	THE STRUCTUR	PPORTS, ANCHORAGES, OPE AL DRAWINGS BUT REQUIRE PRIOR TO PLACING CONCRE
	7.	IF A CONFLICT IS FOUND BETWEEN DIFFEREN CONTRACT DOCUMENTS, NOTIFY THE OWNE CONTINUED CONSTRUCTION OF THE AREA IN THE CONTRACTOR'S OWN RISK UNTIL THE CO THE OWNER.	R IMMEDIATELY. I CONFLICT SHALL BE AT	SHOWN MAY BE HILTI HIT-RE 500 SUBMIT SIZE, LO OF ANY POST-IN	CURBS, EQUIPMENT PADS, A REPLACED WITH MATCHING ADHESIVE SYSTEM OR EQUA CATION AND PROPOSED EMI ISTALLED DOWELS. DOWELS RETE SHALL NOT BE REPLACI
	8.	STRUCTURES HAVE BEEN DESIGNED FOR OF COMPLETED STRUCTURE. DURING CONSTRU SHALL BE PROTECTED BY BRACING AND TEM WHEREVER EXCESSIVE CONSTRUCTION LOA	ICTION, THE STRUCTURES IPORARY SUPPORTS ADS MAY OCCUR.	8. WHERE DRILLEI DOWEL LOCATIO	D EPOXY DOWELS ARE PLACE DNS AS NEEDED TO AVOID DF CATION NEEDS TO BE MODIFI
	9.	OVERSTRESSING OF ANY STRUCTURAL ELEN NO BACK FILL SHALL BE PLACED AGAINST AN SUPPORTING ELEMENTS OF THE STRUCTURE	IY WALL UNLESS ALL E HAVE BEEN	POSITION WHILI	OR BOLTS, PIPES, AND OTHER E CONCRETE IS PLACED.
	10.	CONSTRUCTED AND HAVE REACHED THE SPI CONCRETE STRENGTH. DO NOT SCALE THESE DRAWINGS, USE DIME		SPACED ON CE THAN 2 1/2 INCH OF THE CONCR	PIPES EMBEDDED IN OR PEN NTER NOT LESS THAN 3 TIMES IES CLEAR. OUTSIDE DIMENS ETE MEMBER THICKNESS. CLI
	11.	CONTRACTOR'S CONSTRUCTION AND/OR ERI RECOGNIZE AND CONSIDER THE EFFECTS OI STRUCTURAL ELEMENTS DURING THE CONS	F THERMAL MOVEMENTS OF	11. EMBEDDED CON REINFORCEMEN	NDUITS OR PIPES CROSSING A NDUITS AND PIPES SHALL BE NT AND A MINIMUM OF 2 1/2 IN BARS. REQUIREMENTS FOR EI
		PROVIDE ADDITIONAL REINFORCEMENT AT O INTERSECTIONS AS SHOWN IN STANDARD DE FOR SIZES AND LOCATIONS OF EQUIPMENT S	ETAILS.	12. REINFORCING E	AS REQUIRED FOR CROSSIN ARS AND ACCESSORIES SHA , METAL CONDUIT, OR OTHER
	13.	OPENINGS, SEE OTHER DISCIPLINE DRAWING THAN 12" ARE NOT SHOWN ON STRUCTURAL OTHER DISCIPLINE DRAWINGS FOR LOCATIO	GS, OPENINGS SIZES LESS DRAWINGS, REFERENCE	MINIMUM CLEAF 13. SIZE AND SPAC	ANCE OF 2 INCHES SHALL BE
	14.	FOR NUMBER, TYPE, SIZE, ARRANGEMENT, A EQUIPMENT PADS, SEE OTHER DISCIPLINE DI WITH EQUIPMENT SUPPLIER PRIOR TO PLACI FOUNDATIONS. COORDINATE PIPING OPENIN DRAWINGS.	RAWINGS. COORDINATE NG SLABS, WALLS, AND	14. 90 DEGREE BEN 15. WALL CORNERS AROUND CORN	IDS, UNLESS OTHERWISE SHO S AND WALL INTERSECTION R ERS AND THROUGH COLUMNS
	15.	STANDARD DETAILS ARE INTENDED TO BE TY TO SIMILAR SITUATIONS OCCURRING THROU WHETHER OR NOT THEY ARE INDIVIDUALLY (GHOUT THE PROJECT,	INDICATED IN S	ALLS AND LAPPED ON THE O TANDARD DETAILS. TEEL FOR FOOTINGS AND SL BAR SUPPORTS WITH SPACE
	16.	DO NOT CUT OR MODIFY STRUCTURAL MEME ETC, UNLESS SPECIFICALLY DETAILED OR AF THE ENGINEER.		PREPARED GRA PERMITTED.	DE. LIFTING REINFORCING OF PATCH FORM SNAP-TIE HOLES
	17.	VISITS TO THE JOB SITE BY THE ENGINEER T CONSTRUCTION DO NOT IN ANY WAY MEAN T GUARANTOR OF CONSTRUCTOR'S WORK, NO COMPREHENSIVE OR SPECIAL INSPECTIONS SUPERVISION, OR SAFETY AT THE JOB SITE.	HAT ENGINEER IS R RESPONSIBLE FOR THE		VITH APPROVED NON-SHRINK
	F	OUNDATION NOTES			
	1.	DESIGN OF FOUNDATION IS BASED ON SUBSU EXPLORATION AND GEOTECHNICAL ENGINEER (PROJECT NO. 18-23-5319) COMPLETED BY ARI INC., ON MAY 3, 2019.	RING EVALUATION		
	2.	MINIMUM DEPTH FROM ADJACENT FINISHED G EXTERIOR FOUNDATION 1'-6" UNLESS OTHERV			
	3.	FOUNDATION SLABS AND SLABS-ON-GRADE S COMPACTED SOILS MEETING THE REQUIREME GEOTECHNICAL REPORT UNLESS OTHERWISE NOTES. CONTRACTOR SHALL SUBMIT DENSIT GEOTECHNICAL AND STRUCTURAL ENGINEER OF SUPPORTING SOILS BELOW BOTTOM OF S PLACE 6 MIL VISQUEEN OVER COMPACTED SO CHAIRS THAT SUPPORT REINFORCING MATS.	ENTS OF THE E NOTED IN FACILITY Y TESTS TO OF RECORD FOR 2 FEET LABS AND FOUNDATIONS.		
	4.	FOUNDATION AND SLAB ON GRADE BEARING S OBSERVED BY THE GEOTECHNICAL ENGINEER PLACEMENT OF FORM WORK OR REINFORCIN OBSERVATION SHALL VERIFY IF THE ACTUAL I AS ANTICIPATED BY THE SITE SPECIFIC BORIN AND DATA REPORTS.	R PRIOR TO THE G STEEL. THE EXPOSED SUBGRADE IS		
			DESIGNED MTHUE	- Inn	esEdn
			DRAWN JGALLER	 730 NE WAL	CERTIFICATE OF AUTHORIZA DO ROAD, GAINESVILLE, FLORID
LTR. D/	ATE	REVISIONS BY AP	PRD. CHILORED DHALLE	8657 BAYPINE	ROAD SUITE 300, JACKSONVILLI

2.2. STRUCTURAL PIPE, ASTM AS3, GRADE B 2.3. W SHAPES, ASTM A992 2.4. STRUCTURAL CHANNELS, ASTM A36 2.5. ALL OTHER SHAPES AND PLATES, ASTM A36 UON 3. BOLTS SHALL BE HIGH STRENGTH BOLTS CONFORMING TO THE FOLLOWING ASTM SDECIFICATIONS EXCEPT WHERE SDECIFICALLY INDICATED OTHERWISE:	STRUCTURAL STEEL NOTES:	SLAB/SLAB-ON-GRADE REINFORCEMENT LAP SPLICE LENGTH SCHEDULE (INCHES)				
 2.1 STRUCTION LINERS, ASTM AGO. CRADE B OR C 2.2 STRUCTION. LINER ASTM AGO. CRADE B OR C 2.3 STRUCTURAL THE MAY BAD, CARDE B 2.4 STRUCTURAL CHANNELS, ASTM AGO 2.5 ALL OTHER SHAPES AND PLATES, ASTM AGO 2.6 STRUCTURAL CHANNELS, ASTM AGO 2.7 STRUCTURAL CHANNELS, ASTM AGO 2.8 STRUCTURAL CHANNELS, ASTM AGO 2.8 STRUCTURAL CHANNELS, ASTM AGO 2.9 STRUCTURAL CHANNELS, ASTM AGO 3.10 CONTROL 3.10 CONTROL	STEEL CONSTRUCTION MANUAL AND AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, LATEST EDITION.	BAR		TENSION (LTS)		
 2.4. STRUCTURAL CHANNELS, ASTM A38 UON 2.5. ALL OFTER SHAPES AND PLATES, ASTM A38 UON 3. BOLTS SHALL BE HIGH STRENGTH BOLTS CONFORMING TO THE FOLLOWING ASTM SPECIFICATIONS EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE: UP CONTROL 3. BOLTS SHALL BE HIGH STRENGTH BOLTS CONFORMING TO THE FOLLOWING ASTM SPECIFICATIONS EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE: UP CONTROL 3. BOLTS SHALL BE HIGH STRENGTH BOLTS CONFORMING TO THE FOLLOWING ASTM SPECIFICATIONS EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE: UP CONTROL 3. STAINLESS STEEL 4. PROVIDE BOLTS (AB) A307 4. PROVIDE BEAM CONNECTIONS FOR A CAPACITY OF NOT LESS THAN THE TOTAL UNIFORM LODD CAPACITY TABULATED IN THE AISC TABLES FOR ALLOWABLE LODDS OF BEAMS. 5. DO NOT PAINT STEEL SURFACES WHICH ARE TO BE WELDED OR ENCASED IN CONCRETE. 6. FULLT WELD STEEL SURFACES WHICH ARE TO BE WELDED OR ENCASED IN CONTRACT. 7. STAINLESS STEEL SURFACES WHICH ARE TO BE WELDED OR ENCASED IN CONCRETE. 8. IF STAINLESS STEEL SURFACES WHICH ARE TO BE WELDED OR ENCASED IN CONCRETE. 9. IF STAINLESS STEEL SURFACES WHICH ARE TO BE WELDED OR ENCASED IN CONCRETE. 9. IF STAINLESS STEEL SURFACES WHICH ARE TO BE WELDED OR ENCASED IN CONTRACT. 9. IF STAINLESS STEEL SURFACES WHICH ARE TO BE SUBMERGED AND ASS NOWN ON WORS. 9. IF STAINLESS STEEL MEMBERS ARE NOT AVAILABLE, PROVIDE EDUIVALENT STAINLESS STEEL PARENES STEEL PROVIDE EDUIVALENT STAINLESS STEEL STEEL. 10. ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANALD BE STEEL. 11. WHENEVER ONE MEMBERS ARE NOT AVAILABLE, PROVIDE EDUIVALENT STAINLESS STEEL STATA UNIFORM SPACING, THE REST AND LAST FASTENINGS (BOLTS, WELDS STEEL AND TO DEADNT TO EXCERT THAT STAINLESS STEEL. 12. ALL BOTTS IN STAINLESS STEEL. 13. ITEMS TO BE EMBERS ARE NOT AVAILABLE, PROVIDE EDUIVALENT STAINLESS STEEL STATA UNIFORM SPACING, THERE SHALL BE ARE FOR NON-PROVY COATED REINFORCEMENT. FOR E COATED REINFORCEME	2.1. STRUCTURAL TUBING, ASTM A500, GRADE B OR C 2.2. STRUCTURAL PIPE, ASTM A53, GRADE B	SIZE		f'c = 3 KSI	f'c = 4 KSI	f'c = 5 K
 a. Both Shall be there include a relation between the Both Source of the Politon with a station of the Politon of the Politon with a station of the Politon of the Politon with a station of the Politon of th	2.4. STRUCTURAL CHANNELS, ASTM A36				-	23
UNLESS SHOW OTHERWISE A325-N SUPCONTROL A325-SC ANCHOR BOLTS (AB) STAINLESS STEEL STAINLESS STEEL F154, GR 36 GALVANIZED STEEL F154, GR 36 MACHINE BOLTS (MB) A307 A. PROVIDE TYPICAL STEEL BEAM CONNECTIONS FOR A CAPACITY OF NOT LESS THAN THE TOTAL UNFORM LODG CAPACITY TABULATED IN THE AISC TABLES FOR ALLOWABLE LOADS OF BEAMS. D. DNOT PAINT STEEL SURFACES WHICH ARE TO BE WELDED OR ENGASED IN CONCRETE. FILLET WELD SIZES SHALL BE THE MINIMUM SIZE REQUIRED BY AISC AND AWS FOR PLATE SIZES TO BE CONNECTED AND SHALL BE APPLIED TO THE ENTIRE JOINT CONTACT LENGTH. 7. STAINLESS STEEL SHALL BE TYPE 316L-SATM A276. 8. STAINLESS STEEL SHALL BE TYPE 316L SATIL AZTO. 9. IF STAINLESS STEEL MEMBERS ARE NOT AVAILABLE, PROVIDE EQUIVALENT STAINLESS STEEL SHALL BE TYPE 316 STAINLESS TO BE CONNECTION SCINNECTING STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL. 10. ALL BOLTS, AND CONS CONNECTING STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL. 11. WHENEVER ONE MEMBERS ARE NOT AVAILABLE, PROVIDE EQUIVALENT STAINLESS STEEL SECTIONS, BUILT UP OUT OF STAINLESS STEEL. 12. ALL GRACING SHALL BE TYPE 316 STAINLESS STEEL. 13. TABULATED VALUES ARE FOR NORMERY CONTED REINFORCEMENT. FOR E COATED BEINFORCEMENT. 14. WHENEVER ONE MEMBERS ARE NOT AVAILABLE, PROVIDE EQUIVALENT STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL. 14. LEOLTS, AND CONS CONNECTES AND	3. BOLTS SHALL BE HIGH STRENGTH BOLTS CONFORMING TO THE FOLLOWING ASTM	#5	3	36	31	28
 STAINLESS STEEL STELL F1554, GR 36 / A153 / A357 PROVIDE TYPICAL STELL BEAM CONNECTIONS FOR A CAPACITY OF NOT LESS THAN THE TOTAL UNIFORM BOAD CAPACITY TABULATED IN THE AISC TABLES FOR ALLOWABLE LOADS OF BEAMS. DO NOT PAINT STEEL SURFACES WHICH ARE TO BE WELDED OR ENCASED IN CONCRETE. DO NOT PAINT STEEL SURFACES WHICH ARE TO BE WELDED OR ENCASED IN CONCRETE. FILLET WELD SIZES SHALL BE THE MINIMUM SIZE REQUIRED BY AISC AND AWS FOR PLATE SIZES TO BE CONNECTED AND SHALL BE APPLIED TO THE ENTIRE JOINT CONTACT LENGTH. STAINLESS STEEL SHALL BE TYPE 316. SHALL BE VERD IN ALL AREAS TO BE SUBMERGED AND AS SHOWN ON DWGS. IF STAINLESS STEEL MENBERS ARE NOT AVAILABLE, PROVIDE EQUIVALENT. ALL BOLTS, ANCHOR ROLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL. PLATES. ALL BOLTS, ANCHOR ROLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL. SHALL BE TYPE 316 STAINLESS STEEL. STAIL BUTTY TO LIGHT WITH FASTENINGS (BOLTS, WELDOR ECT OD AND THER WITH FASTENINGS (BOLTS, WELDOR ECT OD AND THE FIRST AND LAST FASTENINGS SHALL BE TYPE 316 STAINLESS STEEL. WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS (BOLTS, WELDOR ECT OD AND THE FIRST AND LAST FASTENINGS SHALL BE TYPE 316 STAINLESS STEEL. WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS (BOLTS, WELDOR ECT), STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL. ALL GRATING SHALL BE ALUMINUM UNLESS OTHERWISE NOTED. ALL GRATING SHALL BE ALUMINUM UNLESS OTHERWISE NOTED. ALL GRATING SHALL BE ALUMINUM UNLESS	UNLESS SHOW OTHERWISE A325-N SLIP CONTROL A325-SC	#6	3	43	37	34
 ALLOWABLE LOADS OF BEAMS. I. TABULATED VALUES ARE PER ACT 318-08 RECONNECTION ON NORMALWEIGHT OF CONCRETE. I. TABULATED VALUES ARE PER ACT 318-08 RECONNECTED AND SHALL BE THE MINIMUM SIZE REQUIRED BY AISC AND AWS FOR PLATE SIZES TO BE CONNECTED AND SHALL BE APPLIED TO THE ENTIRE JOINT CONTACT LENGTH. STAINLESS STEEL SHALL BE TYPE 316L-ASTM A276. STAINLESS STEEL SHALL BE TYPE 316L-ASTM A276. STAINLESS STEEL TYPE 316L SHALL BE USED IN ALL AREAS TO BE SUBMERGED AND AS SHOWN ON DWGS. IF STAINLESS STEEL SHALL BE TYPE 316L SHALL BE LOED IN ALL AREAS TO BE SUBMERGED AND AS SHOWN ON DWGS. IF STAINLESS STEEL SHALL BE TYPE 316L SHALL BE, PROVIDE EQUIVALENT STAINLESS STEEL SHALL BE TYPE 316L SHALL BE, PROVIDE EQUIVALENT STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL PLATES. ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL PLATES. ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL PLATES. WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE AND LAST FASTENINGS (BOLTS, WELDS, ETC.). SET AT A UNIFORM SPACING, THERE SHALL BE AND LAST FASTENINGS SHALL BE ALL BETYPE 316 STAINLESS OTHER WISE NOTED. ALL GRATING SHALL BE ALUMINUM UNLESS OTHERWISE NOTED. ALL GRATING SHALL BE ALUMINUM UNLESS OTHERWISE NOTED. ITTEMS TO BE EMBEDDED IN CONCRETE SHALL BE CLEAN AND FREE OF OIL, DIRT AND 	GALVANIZED STEELF1554, GR 36 / A153MACHINE BOLTS (MB)A3074. PROVIDE TYPICAL STEEL BEAM CONNECTIONS FOR A CAPACITY OF NOT LESS THAN	LAP S		TES:		
 CONCRETE. CONCRETE. FILLET WELD SIZES SHALL BE THE MINIMUM SIZE REQUIRED BY AISC AND AWS FOR PLATE SIZES TO BE CONNECTED AND SHALL BE APPLIED TO THE ENTIRE JOINT CONTACT LENGTH. STAINLESS STEEL SHALL BE TYPE 316L-ASTM A276. STAINLESS STEEL SHALL BE TYPE 316L-ASTM A276. STAINLESS STEEL SHALL BE USED IN ALL AREAS TO BE SUBMERGED AND AS SHOWN ON DWGS. IF STAINLESS STEEL MEMBERS ARE NOT AVAILABLE, PROVIDE EQUIVALENT STAINLESS STEEL SECTIONS, BUILT UP OUT OF STAINLESS STEEL PLATES. ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL PLATES. ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL. WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS (BOLTS, WELDS, ETC), SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PERCE TO NOT TO EXCEED 1/4 SPACIE FOR MACH END. ALL GRATING SHALL BE ALUMINUM UNLESS OTHERWISE NOTED. ITEMS TO BE EMBEDDED IN CONCRETE SHALL BE CLEAN AND FREE OF OIL, DIRT AND 	ALLOWABLE LOADS OF BEAMS.					
 6. FILLET WELD SIZES SHALL BE THE MINIMUM SIZE REQUIRED BY AISC AND AWS FOR PLATE SIZES TO BE CONNECTED AND SHALL BE APPLIED TO THE ENTIRE JOINT CONTACT LENGTH. 7. STAINLESS STEEL SHALL BE TYPE 316L-ASTM A276. 8. STAINLESS STEEL TYPE 316L SHALL BE USED IN ALL AREAS TO BE SUBMERGED AND AS SHOWN ON DWGS. 9. IF STAINLESS STEEL MEMBERS ARE NOT AVAILABLE, PROVIDE EQUIVALENT STAINLESS STEEL SECTIONS, BUILT UP OUT OF STAINLESS STEEL PLATES. 10. ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL PLATES. 10. ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL STEEL STAINLESS STEEL. 11. WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS (BOLTS, WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND LAST FASTENINGS (BOLTS, WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND LAST FASTENINGS SHALL BE LOCATED NOT TO EXCEED 1/4 SPACE FROM EACH END. 12. ALL GRATING SHALL BE ALUMINUM UNLESS OTHERWISE NOTED. 13. ITEMS TO BE EMBEDDED IN CONCRETE SHALL BE CLEAN AND FREE OF OIL, DIRT AND 				- "S"		
 As Stainless Steel Type 316L Shall be used in all areas to be submerged and as shown on dwgs. If Stainless Steel members are not available, provide equivalent stainless steel plates. If Stainless Steel sections, built up out of stainless steel plates. All Bolts, Anchor Bolts, and concrete anchors connecting stainless steel. All Bolts, Shall be type 316 Stainless Steel. Whenever one member is fastened to another with fastenings (Bolts, welds, Etc.) Set at a uniform spacing, there shall be a minimum of two fastenings per piece connected and the first and Last fastenings shall be Located not to exceed 1/4 space from Each end. All Grating shall be aluminum unless otherwise noted. Items to be embedded in concrete shall be clean and free of oil, dirt and 	PLATE SIZES TO BE CONNECTED AND SHALL BE APPLIED TO THE ENTIRE JOINT					
 AS SHOWN ON DWGS. IF STAINLESS STEEL MEMBERS ARE NOT AVAILABLE, PROVIDE EQUIVALENT STAINLESS STEEL SECTIONS, BUILT UP OUT OF STAINLESS STEEL PLATES. ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL. ALL BOLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL. WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS (BOLTS, WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND LAST FASTENINGS (BOLTS, BE LOCATED NOT TO EXCEED 1/4 SPACE FROM EACH END. ALL GRATING SHALL BE ALUMINUM UNLESS OTHERWISE NOTED. ITEMS TO BE EMBEDDED IN CONCRETE SHALL BE CLEAN AND FREE OF OIL, DIRT AND 		● FI	RST BAR			
 9. IF STAINLESS STEEL MEMBERS ARE NOT AVAILABLE, PROVIDE EQUIVALENT STAINLESS STEEL MEMBERS ARE NOT AVAILABLE, PROVIDE EQUIVALENT STAINLESS STEEL SECTIONS, BUILT UP OUT OF STAINLESS STEEL PLATES. 10. ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL. 11. WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS (BOLTS, WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND LAST FASTENINGS SHALL BE LOCATED NOT TO EXCEED 1/4 SPACE FROM EACH END. 12. ALL GRATING SHALL BE ALUMINUM UNLESS OTHERWISE NOTED. 13. ITEMS TO BE EMBEDDED IN CONCRETE SHALL BE CLEAN AND FREE OF OIL, DIRT AND 		Ū				
 STEEL SHALL BE TYPE 316 STAINLESS STEEL. 11. WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS (BOLTS, WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND LAST FASTENINGS SHALL BE LOCATED NOT TO EXCEED 1/4 SPACE FROM EACH END. 2. ALL GRATING SHALL BE ALUMINUM UNLESS OTHERWISE NOTED. 3. ITEMS TO BE EMBEDDED IN CONCRETE SHALL BE CLEAN AND FREE OF OIL, DIRT AND 		COATED	REINFORCEMENT MULTIP			
 WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND LAST FASTENINGS SHALL BE LOCATED NOT TO EXCEED 1/4 SPACE FROM EACH END. ALL GRATING SHALL BE ALUMINUM UNLESS OTHERWISE NOTED. ITEMS TO BE EMBEDDED IN CONCRETE SHALL BE CLEAN AND FREE OF OIL, DIRT AND 						
13. ITEMS TO BE EMBEDDED IN CONCRETE SHALL BE CLEAN AND FREE OF OIL, DIRT AND	WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND LAST FASTENINGS SHALL	MORE TH DEVELOF	IAT 12" OF FRESH CONCR PMENT LENGTH OR SPLIC	ETE IS CAST IN THE	E MEMBER BELOW	V THE

14. NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THROUGH STRUCTURAL STEEL MEMBERS. NO CUTTING OR BURNING OF STRUCTURAL STEEL IS PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER.

PRECAST CONCRETE NOTES:

- 1. SEE SPECIFICATIONS FOR ALL PRECAST CONCRETE REQUIREMENTS.
- 2. SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A REGISTERED FLORIDA P.E. FOR REVIEW PRIOR TO FABRICATION.

E FILL & DUCT ENCASEMENT

S, CURBS ETC. ONS AND STRUCTURAL WALLS, SLABS AND BEAMS CRETE

GRADE 3" RE PVC ALLS 3" T WITH OVER ΤН 1 1/2"

AS SHOWN ON THE DRAWINGS. WHERE NOT OCATED AT NO MORE THAN 40' ON CENTER ON JOINT LOCATIONS FOR REVIEW PRIOR TO

S, LOCATED ABOVE THE FOUNDATION SLAB, TE AT A VERTICAL CONSTRUCTION JOINT AS

NINGS, RECESSES AND REVEALS NOT SHOWN ON D BY OTHER CONTRACT DOCUMENTS, SHALL BE TE.

AND PIPE SUPPORT PIERS, REINFORCING DOWELS DOWELS SET IN EPOXY IN DRILLED HOLES USING AL AND 8" MIN. EMBEDMENT. CONTRACTOR TO BEDMENTS FOR REVIEW PRIOR TO INSTALLATION LOCATED CLOSER THAN 3 INCHES FROM ANY ED WITH DRILLED DOWELS.

ED INTO HARDENED CONCRETE, ADJUST THE RILLING THROUGH ANY REINFORCING BARS. IF ED, CONTACT THE ENGINEER PRIOR TO DRILLING.

R EMBEDDED ITEMS SHALL BE HELD SECURELY IN

ETRATING THROUGH CONCRETE SHALL BE S THEIR OUTSIDE DIMENSION, BUT NOT LESS ION OF EMBEDDED ITEMS SHALL NOT EXCEED 1/3 EAR SPACING REQUIREMENTS SHALL APPLY FOR AT AN ANGLE LESS THAN 60 DEGREES.

LOCATED BETWEEN THE LAYERS OF ICHES CLEAR FROM APPROXIMATELY PARALLEL MBEDDED ELEMENTS CROSSING REINFORCING IG EMBEDDED ELEMENTS.

LL NOT BE IN CONTACT WITH ANY METAL PIPE, R METAL PARTS EMBEDDED IN CONCRETE. A E PROVIDED.

ALL INTERSECTION REINFORCING SHALL MATCH RWISE SHOWN ON PLANS.

OWN, SHALL BE ACI 350 STANDARD HOOKS.

EINFORCEMENT BARS SHALL BE CONTINUOUS . REINFORCEMENT SHALL BE EXTENDED INTO PPOSITE FACE OF THE CONNECTING WALLS, AS

ABS ON GRADE SHALL BE ADEQUATELY ERS TO KEEP REINFORCING ABOVE THE FF GRADE DURING CONCRETE PLACEMENT IS NOT

S AND ALTERNATE FORM-THROUGH BOLT HOLE BY GROUT.



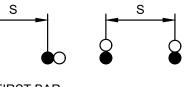
on the date adjac this document are sealed and the si electronic copies.



5

CRANE CREEK M-1 CANAL FLOW RESTORATION VOLUME 2

STRUCTURAL GENERAL NOTES



BID DOCUMENTS

acent to the seal. Printed copies of are not considered signed and signature must be verified on any s.	

CERTIFICATE OF AUTHORIZATION #27430 This item has been digitally signed and sealed by



Engineering & Consulting, Inc.

5590 SW 64TH STREET, SUITE B GAINESVILLE, FLORIDA 32608 PHONE: (352)377–3233 FAX: (352)377–0335 MONRAD R. THUE, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 32071 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MONRAD R. THUE, PE. ON

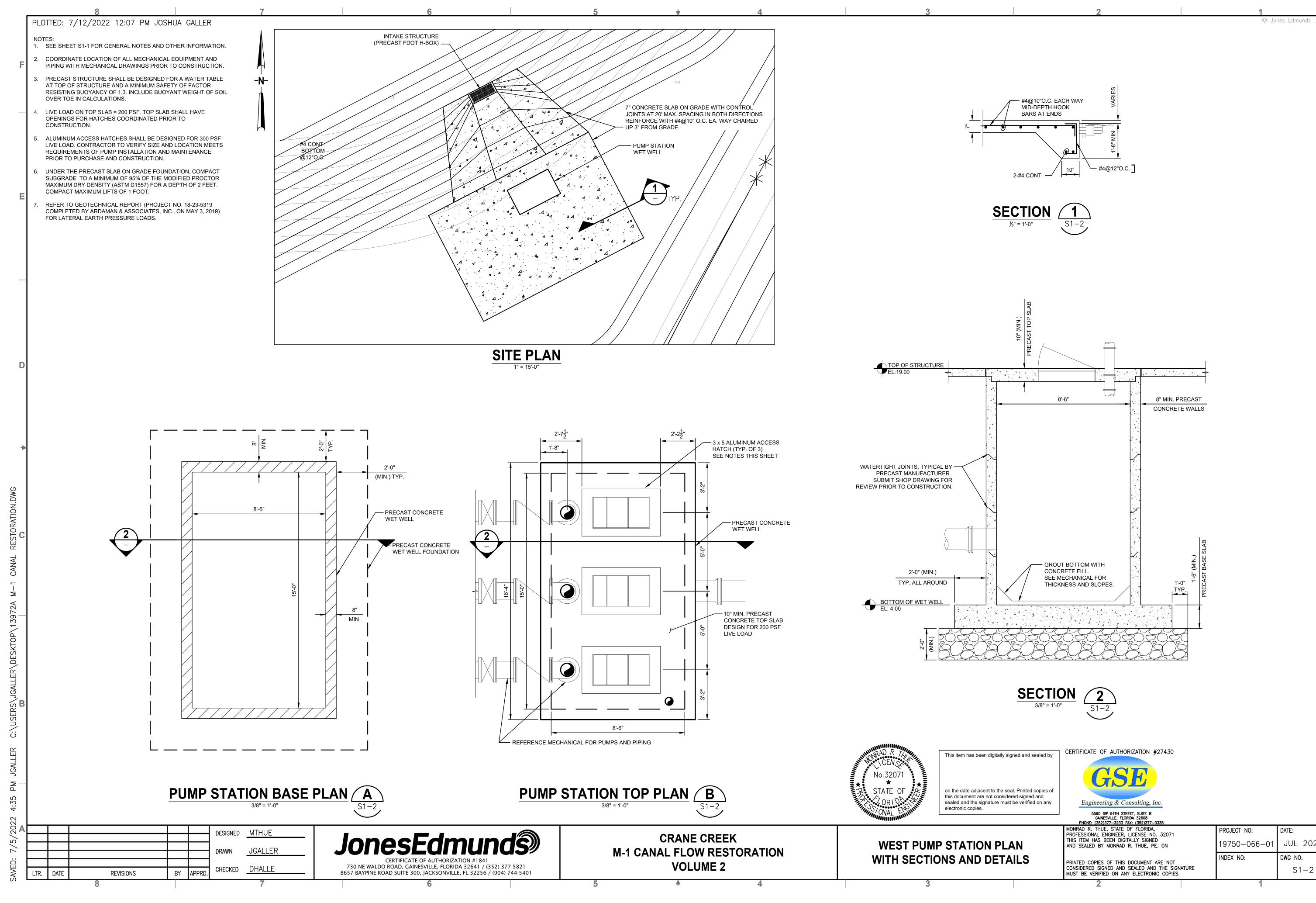
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGN MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	ATURE	INDEX N	10:	DWG	NO: S1-1
2			1		

PROJECT NO:

19750-066-01

DATE:

JUL 2022



ON PLAN	
DETAILS	

	Engineering & Consulting, Inc.			
	5590 SW 64TH STREET, SUITE B GAINESVILLE, FLORIDA 32608 PHONE: (352)377–3233 FAX: (352)377–0335			
	MONRAD R. THUE, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 32071	PROJECT NO:	DATE:	Α
THIS ITEM HAS BE	THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MONRAD R. THUE, PE. ON	19750-066-01	JUL 2022	
	PRINTED COPIES OF THIS DOCUMENT ARE NOT	INDEX NO:	DWG NO:	
CONS	CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.		S1-2	
	2	1		-

BID DOCUMENTS