SHEET INDEX

<u>NOTE:</u> THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI) AND RESPONDED TO BY THE ARCHITECT PRIOR TO BID OR BEFORE CONTINUING THAT PORTION OF WORK.

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ABBREVIATIONS

<u>ABR.</u>	DESCRIPTION	<u>ABR.</u>	DESCRIPTION	<u>ABR.</u>	DESCRIPTION
ACC STA	ACCESSIBLE STATION	EIFS	EXTERIOR INSULATION	d	PENNY
AC	ACOUSTIC, ACOUSTICAL		FINISH SYSTEM	P-LAM	PLASTIC LAMINATE PLATE
ABS	ACRYLONITRILE-BUTADIENE	FIN	FINISH	PLYWD	PLYWOOD
	-STYRENE	FEC	FIRE EXTINGUISHER CABINET	PVC	POLYVINYL CHLORIDE
AD	ADDENDUM	FLR	FLOOR	PREFAB	PREFABRICATED
ADJ	ADJUSTABLE	FD	FLOOR DRAIN	PT	PRESERVATIVE TREATED
AFF	ABOVE FINISH FLOOR	FTG	FOOTING	PROJ	PROJECTION
ALT	ALTERNATE	FDN	FOUNDATION	QT	QUARRY TILE
ALUM	ALUMINUM	GALV	GALVANIZED	RAD	RADIUS
AB	ANCHOR BOLT	Gl	GALVANIZED IRON	REF	REFRIGERATOR
L	ANGLE	GA	GAUGE	REINF	REINFORCE
ASI	ARCHITECT SUPPLEMENTAL	GYP BD	GYPSUM BOARD	REV	REVISION
	INSTRUCTION	HDWD	HARDWOOD	RFI	REQUEST FOR INFORMATION
ASPH	ASPHALT	HT	HFIGHT	RD	ROOF DRAIN
BSMT	BASMENT	HM	HOLLOW METAL	RO	ROUGH OPENING
BB	BASKETBALL	HORIZ	HORZONTAL	R/	ROUND
BRG	BFARING	ID	INSIDE DIAMETER	SCHED	SCHEDULE
BM	BENCH MARK	INSUI	INSULATION	SIM	SIMILAR
BLKG	BLOCKING	INT	INTERIOR	SHT	SHEFT
BD	BOARD	JT	JOINT	SPEC	SPECIFICATION
BO	BOTTOM OF	KD	KNOCK DOWN	50	SQUARE
BLDG	BUILDING	KO	KNOCK OUT	SS	STAINI ESS STEEL
BUR	BUILT UP BOOF			STD	STANDARD
CIG	CFILING	MH	MANHOLE	STI	STEFI
6		MFR	MANUFACTURER	STOR	STOBAGE
ст Ст	CERAMIC TILE	MB	MARKER BOARD	STRUCT	STRUCTURAL
CB	CHALKBOARD	MO	MASONRY OPENING	SUSP	SUSPENDED SUSPENSION
C	CHANNEL	MAX	MAXIMIM	SYS	SYSTEM
c0	CI FAN OUT	MECH	MECHANICAL	TB	TACKBOARD
COL	COLUMN	MT	MOUNT	TFI	TELEPHONE
CONC	CONCRETE	MTI	METAI	TV	TELEVISION
CMU	CONCRETE MASONRY LINIT	MIN	MINIMUM	TEMP	TEMPOBABY
CONN	CONNECTION	MISC	MISCELLANEOUS	TS	TUBE STEEL
CONT	CONTINUOUS	(N)	NFW	THRES	THBESHOLD
CONTR	CONTRACTOR	NIC	NOT IN CONTRACT	TOIL	TOILET
DIM	DIMENSION	NTS	NOT TO SCALE	TO	TOP OF
DS	DOWNSPOLIT		ON CENTER	T & R	
DWG	DBAWING	OPNG	OPENING	TYP	TYPICAL
FA	EACH	OPP	OPPOSITE	VERT	VERTICAL
FLECT	ELECTRICAL				
FWC	ELECTRIC WATER COOLER	OH	Ονεβμεδη	WC	WATER CLOSET
FLEV	FLEVATION	OF/CI	OWNER FURNISHED /	WM	WATER METER
FO	FOLIAI	01/01	CONTRACTOR INSTALLED	WW/F	WEI DED WIRE FARRIC
FOLIIP	FOUIPMENT	OF/OI	OWNER FURNISHED /	W	WIDE FLANGE
FXIST	FXISTING	01/01	OWNER INSTALLED	W/	WITH
(F)	FXISTING	0.1.5	OPEN TO STRUCTURE	W/O	WITHOUT
(=) FXP	FXPANSION	PART RD		WD	WOOD
EXT	EXTERIOR	PART'N	PARTITION	110	

DESIGN TEAM

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SYMBOLS LEGEND

DESCRIPTION	<u>SYMBOL</u>	DESCRIPTION	<u>SYMBOL</u>	MATERIAL
BUILDING SECTION ——•	1 A101	DRAWING TAG	A1DETAIL1/8" = 1'-0"Sub Description	EARTH ASPHALT PAVING COMPACTED GRANULAR F
WALL SECTION	1 A101	WINDOW TYPES	1t	CONCRETE Concrete Masonry Uni
SECTION DETAIL		WALL TYPES	— S6A]	STEEL
SECTION DETAIL: OPPOSITE		DOOR TAG	A101B A011HMA FRAME TYPE	Continuous wood Wood Blocking
SECTION DETAIL:		Keynotes	HARDWARE #	PLYWOOD / OSB PARTICLE BOARD
ELEVATION LEVEL	- NAME OF	REVISIONS		INSULATION
ELEVATIONS	INTERIOR XX/A101 EXTERIOR 1 A101	GRID BUBBLE		GYPSUM BOARD ACOUSTIC TILE GLU-LAMINATE BEAM PLASTER & METAL LATH
ROOM TAG	ROOM NAME	Equipment tag		GLASS FINISH WOOD
ROOM FINISH TAG	CEILING FLOOR WALL WALL WALL WALL			ALUMINUM WOOD STUD WALL

MATERIALS LEGEND

	<u>SYMBOL</u>
IG	
RANULAR FILL	
SONRY UNITS	
/00D	
IG	
3	
RD	
ON	
)	
BEAM	
TAL LATH	
4LL	

ARCHITECTURE

LANDSCAPE

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MECHANICAL/ELECTRICAL/PLUMBING

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VICINITY MAP



DESIGN WEST



SE

ERMIT

	GENERAL CONDIT	IONS:	3.03	SUBMITTALS FOR REVIEW A. WHEN THE FOLLOWING ARE SPECIFIED IN INDIVIDUAL SECTIONS SUB
	SECTION 00 0102 Project inform	ATION		REVIEW: 1. PRODUCT DATA.
	PART 1 GENERAL 1.01 PROJEC			 SHOP DRAWINGS. SAMPLES FOR SELECTION.
	А. В.	THE OWNER, HEREINAFTER REFERRED TO AS OWNER: CACHE COUNTY		4. SAMPLES FOR VERIFICATION. B. SUBMIT TO ARCHITECT FOR REVIEW FOR THE LIMITED PURPOSE OF C CONFORMANCE WITH INFORMATION GIVEN AND THE DESIGN CONCEP
	1.02 INSTRU A.	C TIONS TO BUILDERS OF THE INVITATION TO BID LETTER SENT BY THE OWNER.		IN THE CONTRACT DOCUMENTS. C. SAMPLES WILL BE REVIEWED ONLY FOR AESTHETIC, COLOR, OR FINIS
	1.03 BID FOR	М:		D. AFTER REVIEW, PROVIDE COPIES AND DISTRIBUTE IN ACCORDANCE V SUBMITTAL PROCEDURES ARTICLE BELOW AND FOR RECORD DO
D	А.	OF THE INVITATION TO BID LETTER SENT BY THE OWNER. THE "STANDARD FORM OF REEMENT BETWEEN OWNER AND CONTRACTOR FOR A SMALL PROJECT" A.I.A. DOCUMENT 155 LATEST EDITION ISSUED BY THE AMERICAN INSTITUTE OF	3.04	PURPOSES DESCRIBED IN SECTION 01 7800 - CLOSEOUT SU SUBMITTALS FOR INFORMATION A WHEN THE FOLLOWING ARE SPECIFIED IN INDIVIDUAL SECTIONS SUB
_		ARCHITECTS FOR USE IN MALL CONSTRUCTION CONTRACTS WITH A STIPULATED UMS THESUGGESTED FORM OF CONTRACT AGREEMENT.		INFORMATION: 1. DESIGN DATA.
	1.04 GENERA A.	L CONDITIONS "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION OF A SMALL		 CERTIFICATES. TEST REPORTS.
		DIVISION OF THESE SPECIFICATIONS. THE WORK CONSISTS OF THE CONSTRUCTION AND COMPLETION OF BUILDING SHELL INCLUDING ALL ITS APPUBLICATIONS. SITE		4. INSPECTION REPORTS. 5. MANUFACTURER'S INSTRUCTIONS. 6. MANUFACTURER'S FIELD REPORTS
		WORK, LANDSCAPING AND ANY OFF SITE IMPROVEMENT REQUIRED OR NECESSARY, SHOWN ON THE DRAWINGS, EXCEPTING ONLY THOSE ITEMS SPECIFICALLY SHOWN,		7. OTHER TYPES INDICATED. B. SUBMIT FOR ARCHITECT'S KNOWLEDGE AND SORENSEN AND GNEHM
	1.05 NOTICE	NOTED OR SPECIFIED AS NOT IN CONTRACT (NIC). TO PROSPECTIVE BIDDERS THESE DOCUMENTS CONSTITUTE AN INVITATION TO BID TO AND REQUEST FOR	3.05	ADMINISTRATOR OR FOR OWNER. NO ACTION WILL BE TAKEN. SUBMITTALS FOR PROJECT CLOSEOUT A SUBMIT CORRECTION DUNCH LIST FOR SUBSTANTIAL COMPLETION
	Π.	QUALIFICATIONS FROM SUBCONTRACTORS FOR THE CONSTRUCTION OF THE PROJECT DESCRIBED BELOW,		 B. SUBMIT FINAL CORRECTION PUNCH LIST FOR SUBSTANTIAL COMPLET C. WHEN THE FOLLOWING ARE SPECIFIED IN INDIVIDUAL SECTIONS, SUB
	1.06 PROJEC A.	T DESCRIPTION SUMMARY PROJECT DESCRIPTION: NEW CONSTRUCTION ON VACANT PARCEL.		PROJECT CLOSEOUT: 1. PROJECT RECORD DOCUMENTS. 2. ODEDATION AND MAINTENANCE DATA
	B. C.	CONTRACT SCOPE: CONSTRUCTION AND SITE IMPROVEMENTS CONTRACT TERMS: SEE INVITATION TO BID AND BID FORM FOR CONTRACT TERMS.		 OPERATION AND MAINTENANCE DATA. WARRANTIES. BONDS.
	D. E.	ESTIMATED CONTRACT AMOUNT: TO BE DETERMINED. TO ASSIST IN THE ASSESSMENT OF SUBSOIL CONDITIONS AT SITE, [A		5. OTHER TYPES AS INDICATED. D. SUBMIT FOR OWNER'S BENEFIT DURING AND AFTER PROJECT COMPL
	1.07 PROJEC	GEOTECHNICAL REPORT HAS BEEN PREPARED AND IS AVAILABLE UPON REQUEST.] T CONSULTANTS THE ARCHITECT HEREINAFTER REFERBED TO AS ARCHITECT: DESIGN WEST	3.06	A. DOCUMENTS FOR REVIEW: 1 SMALL SIZE SHEETS NOT LARGER THAN 8-1/2 X 11 INCHES
	74	ARCHITECTS. 1. ADDRESS: 255 SOUTH 300 WEST		NUMBER OF COPIES THAT CONTRACTOR REQUIRES, PLUS T THAT WILL BE RETAINED BY ARCHITECT. ELECTRONIC COPI
		 CITY, STATE, ZIP: LOGAN, UTAH 84321 PHONE/FAX: 435-752-7031 		ACCEPTABLE AND ENCOURAGED. B. DOCUMENTS FOR INFORMATION: SUBMIT TWO COPIES. ELECTRONIC (
	1.08 Procuf A.	4. E-MAIL: Iaryn@designwestarchilects.com Ement Timetable LAST REQUEST FOR SUBSTITUTION DUE: SHALL BE ESTABLISHED BY THE GENERAL		C. SAMPLES: SUBMIT THE NUMBER SPECIFIED IN INDIVIDUAL SPECIFICA SECTIONS: ONE OF WHICH WILL BE RETAINED BY ARCHITECT.
	B.	CONTRACTOR BIDS MAY NOT BE WITHDRAWN UNTIL: 60 DAYS AFTER DUE DATE.		 AFTER REVIEW, PRODUCE DUPLICATES. RETAINED SAMPLES WILL NOT BE RETURNED TO CONTRACT
		THE OWNER RESERVES THE RIGHT TO CHANGE THE SCHEDULE OR TERMINATE THE ENTIRE PROCUREMENT PROCESS AT ANY TIME.	3 07	SPECIFICALLY SO STATED
С	A.	AVAILABILITY OF DOCUMENTS: COMPLETE SETS OF PROCUREMENT DOCUMENTS MAY BE OBTAINED:	0.01	A. SHOP DRAWING PROCEDURES: 1. PREPARE ACCURATE, DRAWN-TO-SCALE, ORIGINAL SHOP E
		AT THE FOLLOWING ADDRESS: A. OFFICE OF THE ARCHITECT B. DESIGN WEST ADCHITECTS		DOCUMENTATION BY INTERPRETING THE CONTRACT DOCUM COORDINATING RELATED WORK.
	DIVISION 1 – GEN	ERAL REQUIREMENT		DRAWINGS DO NOT MEET THE REQUIREMENTS FOR SHOP D B. SEQUENTIALLY NUMBER THE TRANSMITTAL FORM. REVISE SUBMITTA
	SECTION 01 3000			ORIGINAL NUMBER AND A SEQUENTIAL ALPHABETIC SUFFIX. C. IDENTIFY PROJECT, CONTRACTOR, SUBCONTRACTOR OR SUPPLIER; P
	ADMINISTRATIVE PART 1 GENERAL 1.01 SECTION			DRAWING AND DETAIL NUMBER, AND SPECIFICATION SECTION NUMBER APPROPRIATE ON EACH COPY. D APPLY CONTRACTOR'S STAMP SIGNED OR INITIALED CERTIFYING THA
	CONSTR A.	IUCTION SCHEDULE THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ARCHITECT AND OWNER, A		APPROVAL, VERIFICATION OF PRODUCTS REQUIRED, FIELD DIMENSION CONSTRUCTION WORK, AND COORDINATION OF INFORMATION IS IN A
		BAR-CHART TYPE PROGRESS SCHEDULE FOR THE ENTIRE PROJECT, WITHIN SEVEN (7) DAYS AFTER AWARD OF CONTRACT. PROVIDE A SEPARATE BAR FOR EACH WORK		 WITH THE REQUIREMENTS OF THE WORK AND CONTRACT DOCUMENT E. FOR EACH SUBMITTAL FOR REVIEW, ALLOW 15 DAYS EXCLUDING DEL AND FROM THE CONTRACTOR
		PROJECT MOBILIZATION, PROCUREMENT OF PRODUCTS, REVIEW AND RETURN OF SHOP DRAWINGS, FABRICATION, INSTALLATION, TESTING, FINAL CLEANUP AND		F. IDENTIFY VARIATIONS FROM CONTRACT DOCUMENTS AND PRODUCT LIMITATIONS THAT MAY BE DETRIMENTAL TO SUCCESSFUL PERFORM
		INSTALLATION TIME FOR WORK UNDER SEPARATE CONTRACTS. IDENTIFY EACH CALENDAR DAY THROUGHOUT THE SCHEDULE. HIGHLIGHT CRITICAL PATH		COMPLETED WORK. G. PROVIDE SPACE FOR CONTRACTOR AND ARCHITECT REVIEW STAMPS
		ELEMENTS OF THE SCHEDULE THAT ARE IMPORTANT TO COMPLETE THE WORK ON TIME. CORRELATE THE ORGANIZATION OF THE SCHEDULE WITH THE DATE OF SUBSTANTIAL COMPLETION INDICATED IN THE OWNER-CONTRACTOR AGREEMENT.		H. WHEN REVISED FOR RESUBMISSION, IDENTIFY ALL CHANGES MADE S PREVIOUS SUBMISSION. L DISTRIBUTE REVIEWED SUBMITTALS AS APPROPRIATE. INSTRUCT PA
	1.02 PROJEC A.	T COORDINATION & ADMINISTRATION COORDINATE THE WORK OF THE COMPLETE PROJECT TO ASSURE AN EFFICIENT AND		PROMPTLY REPORT ANY INABILITY TO COMPLY WITH REQUIREMENTS J. SUBMITTALS NOT REQUESTED WILL NOT BE RECOGNIZED OR PROCES
		ORDERLY SEQUENCE OF INSTALLATION OF CONSTRUCTION ELEMENTS, AND FOR INSTALLATION OF ITEMS FURNISHED AND INSTALLED BY OTHERS, WITH PROVISIONS FOR ACCOMMODATING OTHER ITEMS TO BE INSTALLED LATER. COORDINATE SPACE	SECTION OIIALITY	N 01 4000 K BEOLUBEMENTS
		REQUIREMENTS AND INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WHICH ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. UTILIZE SPACE	PART 1 (1.01	GENERAL SUBMITTALS
	1 03 005 00	EFFICIENTLY TO MAXIMIZE ACCESSIBILITY FOR OTHER INSTALLATIONS, AND FOR MAINTENANCE.		A. TESTING AGENCY QUALIFICATIONS: 1. PRIOR TO START OF WORK, SUBMIT AGENCY NAME, ADDRE TELEPHONE NUMBER, AND NAMES OF EULL TIME DEGISTER
	A.	MEET WITH THE OWNER'S DESIGNATED CONSTRUCTION REPRESENTATIVE BEFORE STARTING CONSTRUCTION. DISCUSS PROCEDURES AND REQUIREMENTS FOR SITE		AND RESPONSIBLE OFFICER. B. TEST REPORTS: AFTER EACH TEST/INSPECTION, PROMPTLY SUBMIT T
		ACCESS, WORK HOURS, PARKING, DELIVERIES AND RECEIVING, DEBRIS AND WASTE RECEPTACLES, TEMPORARY BARRICADES, AND CONSTRUCTION OPERATIONS THAT		REPORT TO ARCHITECT AND TO CONTRACTOR. C. CERTIFICATES: WHEN SPECIFIED IN INDIVIDUAL SPECIFICATION SECTI
в	1.04 MAINTE A.	MAY BE OFFENSIVE. NANCE OF CONSTRUCTION DOCUMENTS THE CONTRACTOR SHALL MAINTAIN AT THE PROJECT SITE, A "RECORD SET OF		INSTALLATION BY THE MANUFACTORER AND CONTRACTOR OR INSTALLATION/APPLICATION SUBCONTRACTOR TO ARCHITECT, IN QU/ SPECIFIED FOR PRODUCT DATA.
		CONSTRUCTION DOCUMENTS" AND THE FOLLOWING RELATED DRAWINGS OR DOCUMENTS PREPARED BY OTHERS: SHOP DRAWINGS AND DATA SHEETS		1. INDICATE MATERIAL OR PRODUCT CONFORMS TO OR EXCEPTION OF EXCEPTION OF EXCEPTION OF A CONFORMATION OF A CONFORMATICA CONFORMATION OF A CONFORMATICA CONFORMATIC
	B	PREPARED BY THE MANUFACTURERS, FABRICATORS, AND SUPPLIERS, AND EXTERIOR SIGNAGE SHOP DRAWINGS, BY THE SIGNAGE CONTRACTOR. DO NOT CONSTRUCT ANY PORTION OF THE WORK BELATED TO THESE DRAWINGS AT	PART 3 2.01	AND CERTIFICATIONS AS APPROPRIATE. EXECUTION CONTROL OF INSTALLATION
	C.	ANY TIME WITHOUT SUCH DRAWINGS BEING AVAILABLE AT THE PROJECT SITE. "AS BUILT" DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR. DRAWINGS		A. MONITOR QUALITY CONTROL OVER SUPPLIERS, MANUFACTURERS, PF SERVICES, SITE CONDITIONS, AND WORKMANSHIP, TO PRODUCE WOR
		SHALL INDICATE THE SIZE AND DIMENSIONS OF ALL CONCEALED AND UNDERGROUND WORK, AND SHALL INDICATE DEPTH OF MAJOR CONDUIT AND PIPING "AS BUILT" DRAWINGS SHALL SHOW ALL PLUMBING AND FLECTRICAL		SPECIFIED QUALITY. B. COMPLY WITH MANUFACTURERS' INSTRUCTIONS, INCLUDING EACH S SEQUENCE
	1.05 PERMIT	MODIFICATIONS, PARTITION CHANGES, AND ASSEMBLY MODIFICATIONS. S AND LOCAL CODES		C. SHOULD MANUFACTURERS' INSTRUCTIONS CONFLICT WITH CONTRAC DOCUMENTS, REQUEST CLARIFICATION FROM ARCHITECT BEFORE PR
	А.	THE LAWS IN FORCE AT THE BUILDING LOCATION SHALL GOVERN. THESE INCLUDE THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL PLUMBING CODE, NATIONAL ELECTRIC CODE		D. COMPLY WITH SPECIFIED STANDARDS AS MINIMUM QUALITY FOR THE EXCEPT WHERE MORE STRINGENT TOLERANCES, CODES, OR SPECIFI REQUIREMENTS INDICATE HIGHER STANDARDS OR MORE PRECISE W
		LIFE SAFETY CODE, ANSI 117.1 AND LOCAL ORDINANCES. THE CONTRACTOR SHALL PROCURE AND PAY FOR ALL NECESSARY BUILDING PERMITS AND FOR INSPECTION		E. HAVE WORK PERFORMED BY PERSONS QUALIFIED TO PRODUCE REQU SPECIFIED QUALITY.
		SERVICES OF LOCAL AUTHORITIES AND HIS OWN BUSINESS LICENSES. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH ALL ADDITIONAL CAPITY AND LICAL THIS TANDADDS		F. VERIFY THAT FIELD MEASUREMENTS ARE AS INDICATED ON SHOP DR INSTRUCTED BY THE MANUFACTURER.
	PART 2 PRODUCT	FEDERAL, STATE, COUNTY AND MUNICIPAL S - NOT USED		 SECORE PRODUCTS IN PLACE WITH POSITIVE ANOTHERAGE DEVICES L SIZED TO WITHSTAND STRESSES, VIBRATION, PHYSICAL DISTORTION, DISFIGUREMENT.
	PART 3 EXECUTIO 3.01 PROGRE	N ISS MEETINGS ADVIENTING ADMINISTED MEETINGS THROUGHOUT DROODERS OF THE WORK AT	2.02	A. REPLACE WORK OR PORTIONS OF THE WORK NOT CONFORMING TO S
	A. B.	MAXIMUM MONTHLY INTERVALS. ATTENDANCE REQUIRED: JOB SUPERINTENDENT, MAJOR SUBCONTRACTORS AND		B. IF, IN THE OPINION OF ARCHITECT, IT IS NOT PRACTICAL TO REMOVE / THE WORK, ARCHITECT WILL DIRECT AN APPROPRIATE REMEDY OR A
		SUPPLIERS, OWNER, ARCHITECT, AS APPROPRIATE TO AGENDA TOPICS FOR EACH MEETING.	0-0-101	PAYMENT.
	C.	RECORD MINUTES AND DISTRIBUTE COPIES WITHIN TWO DAYS AFTER MEETING TO PARTICIPANTS, WITH TWO COPIES TO ARCHITECT, OWNER, PARTICIPANTS, AND THOSE AFFECTED BY DECISIONS MADE	SECTION PRODUC PART 1 (N UT 6000 CT REQUIREMENTS GENERAI
	3.02 CONSTR A.	UCTION PROGRESS SCHEDULE IF PRELIMINARY SCHEDULE REQUIRES REVISION AFTER REVIEW, SUBMIT REVISED	1.01	SUBMITTALS A. PRODUCT DATA SUBMITTALS: SUBMIT MANUFACTURER'S STANDARD
	В.	SCHEDULE WITHIN 10 DAYS. WITHIN 20 DAYS AFTER REVIEW OF PRELIMINARY SCHEDULE, SUBMIT DRAFT OF PROPOSED COMPLETE SCHEDULE FOR REVIEW.		DATA. MARK EACH COPY TO IDENTIFY APPLICABLE PRODUCTS, MODE AND OTHER DATA. SUPPLEMENT MANUFACTURERS' STANDARD DATA INFORMATION SPECIFIC TO THIS PROJECT
A		INCLUDE WRITTEN CERTIFICATION THAT MAJOR CONTRACTORS HAVE REVIEWED AND ACCEPTED PROPOSED SCHEDULE.		B. SHOP DRAWING SUBMITTALS: PREPARED SPECIFICALLY FOR THIS PR INDICATE UTILITY AND ELECTRICAL CHARACTERISTICS, UTILITY CONN
	C. D.	WITHIN 10 DAYS AFTER JOINT REVIEW, SUBMIT COMPLETE SCHEDULE. SUBMIT UPDATED SCHEDULE WITH EACH APPLICATION FOR PAYMENT.		REQUIREMENTS, AND LOCATION OF UTILITY OUTLETS FOR SERVICE FOR FUNCTIONAL EQUIPMENT AND APPLIANCES.
				CHARACTERISTICS OF THE PRODUCT, WITH INTEGRAL PARTS AND AT DEVICES. COORDINATE SAMPLE SUBMITTALS FOR INTERFACING WOR
			·	

MIT THEM FOR	PART 2 PROD 2.01 NEV	NUCTS W PRODUCTS	DIVISION	2 – SIT	TE WORK (SEE CIVIL SHEETS)	3.04	FLOOR D.	Flatness and le Provide Remed
	A.	PROVIDE NEW PRODUCTS UNLESS SPECIFICALLY REQUIRED OR PERMITTED BY THE CONTRACT DOCUMENTS.	DIVISION	3 – CO	NCRETE			REPAIR, RE-TOP WORK AT NO AD
	2.02 PR C A.	DDUCT OPTIONS PRODUCTS SPECIFIED BY REFERENCE STANDARDS OR BY DESCRIPTION ONLY: USE ANY PRODUCT MEETING THOSE STANDARDS OR DESCRIPTION	SECTION UNDERSL	03 050 LAB VAF	15 POR BARRIER			BE REQUIRING COR
HECKING FOR	В.	PRODUCT MEETING THOSE STANDARDS ON DESCRIPTION. PRODUCTS SPECIFIED BY NAMING ONE OR MORE MANUFACTURERS: USE A PRODUCT OF ONE OF THE MANUFACTURERS NAMED AND MEETING SPECIFICATIONS	1.01		IITTALS PRODUCT DATA: SUBMIT MANUFACTURERS' DATA ON MANUFACTURED PRODUCTS	3 05	E. Concri	SLOPE SLAB TO
H SEI ECTION.	C.	NO OPTIONS OR SUBSTITUTIONS ALLOWED. PRODUCTS SPECIFIED BY NAMING ONE OR MORE MANUFACTURERS WITH A		В. С.	SAMPLES: SUBMIT SAMPLES OF UNDERSLAB VAPOR BARRIER TO BE USED. MANUFACTURER'S INSTALLATION INSTRUCTIONS: INDICATE INSTALLATION	0.00	A.	REPAIR SURFAC
THE CUMENTS	0.	PROVISION FOR SUBSTITUTIONS: SUBMIT A REQUEST FOR SUBSTITUTION FOR ANY MANUFACTURER NOT NAMED.	PART 2 PI		PROCEDURES AND INTERFACE REQUIRED WITH ADJACENT CONSTRUCTION.		В.	CONCRETE SLAE
BMITTALS.	PART 3 EXEC	UTION	2.01	MATEF A.	RIALS UNDERSLAB VAPOR BARRIER:			302.1F
MIT THEM FOR	3.01 Sue A.	BSTITUTION PROCEDURES SUBSTITUTION REQUESTS MUST BE SUBMITTED DURING THE BID PERIOD. BID			 WATER VAPOR PERMEANCE: NOT MORE THAN 0.010 PERMS, MAXIMUM. THICKNESS: 20 MILLS MILS. 			EXPOS PIGME
		QUESTIONS AND SUBSTITUTION REQUESTS WILL BE ADDRESSED BY THE ARCHITECT UNTIL 72 HOURS PRIOR TO THE BID DATE PUBLISHED BY THE			 BASIS OF DESIGN: A. STEGO INDUSTRIES LLC; STEGO WRAP VAPOR BARRIER 			SURFA SURFA
	В.	CONSTRUCTION MANAGER. DOCUMENT EACH REQUEST WITH COMPLETE DATA SUBSTANTIATING COMPLIANCE			(20-MIL): www.stegoindustries.com. B. SUBSTITUTIONS: SEE SECTION 01 6000 - PRODUCT	3.06	CURING A.	AND PROTECTION Comply with R
	C.	OF PROPOSED SUBSTITUTION WITH CONTRACT DOCUMENTS. A REQUEST FOR SUBSTITUTION CONSTITUTES A REPRESENTATION THAT THE		В.	REQUIREMENTS. ACCESSORY PRODUCTS: VAPOR BARRIER MANUFACTURER'S RECOMMENDED TAPE,			PROTECT CONCI TEMPERATURES
AS CONTRACT		SUBMITTER: 1. HAS INVESTIGATED PROPOSED PRODUCT AND DETERMINED THAT IT MEETE OD EVOLUTION AND ALL AVEL OF THE OPEOPLET		VEALITI	ADHESIVE, MASTIC, ETC., FOR SEALING SEAMS AND PENETRATIONS IN VAPOR BARRIER.	3.07	JOINT L A.	JOINT FILLER: AS
		2. WILL PROVIDE THE SAME WARRANTY FOR THE SUBSTITUTION AS FOR THE	3.01		IUN ILLATION INSTALL VADOD PADDIED IN ACCODDANCE WITH MANUEACTUDED'S INSTALLCTIONS	3.08	FIELD O	UALITY CONTROL
ION. MIT THEM AT		3. WILL COORDINATE INSTALLATION AND MAKE CHANGES TO OTHER WORK THAT MAY BE BEOLUBED FOR THE WORK TO BE COMPLETE		A. R	AND ASTM E1643.		А.	301 BY AN INDE
		WITH NO ADDITIONAL COST TO OWNER. 4. WAIVES CLAIMS FOR ADDITIONAL COSTS OR TIME EXTENSION THAT MAY		D.	FOOTINGS AND SEAL TO FOUNDATION WALLS.			PROPOSED MIX
	D.	SUBSEQUENTLY BECOME APPARENT. SUBSTITUTION SUBMITTAL PROCEDURE:	SECTION Cast-In-I	03 300 Place	10 Concrete			Cement and Ag Requirement.
		1. SUBMIT THREE COPIES OF REQUEST FOR SUBSTITUTION FOR CONSIDERATION. LIMIT EACH REQUEST TO ONE PROPOSED	PART 1 G 1.01	ENERA Submi	IL IITTALS		В.	THREE CONCRE YDS OF EACH CL
TION.		SUBSTITUTION. 2. SUBMIT SHOP DRAWINGS, PRODUCT DATA, AND CERTIFIED TEST		A	A. PRODUCT DATA: SUBMIT MANUFACTURERS' DATA ON MANUFACTURED PRODUCTS SHOWING COMPLIANCE WITH SPECIFIED REQUIREMENTS AND			WILL BE TAKEN UNDER SAME CO
SUBMIT THE		RESULTS ATTESTING TO THE PROPOSED PRODUCT EQUIVALENCE. BURDEN OF PROOF IS ON PROPOSER.	1.02	QUALI	INSTALLATION INSTRUCTIONS. ITY ASSURANCE			WILL BE TAKEN TEST WILL BE TAKEN
WO COPIES ES ARE		3. THE ARCHITECT WILL NOTIFY CONTRACTOR BY ADDENDUM OF DECISION TO ACCEPT.		А. В.	PERFORM WORK OF THIS SECTION IN ACCORDANCE WITH ACT 301 AND ACT 318. FOLLOW RECOMMENDATIONS OF ACT 305R WHEN CONCRETING DURING HOT			ATMOSPHERIC T
OPIES ARE	EXECUTION OF 7 EXECUTION A	ND CLOSEOUT REQUIREMENTS		C.	WEATHER. FOLLOW RECOMMENDATIONS OF ACI 306R WHEN CONCRETING DURING COLD WEATHER	3.09	REINFO	RCING STEEL
TION	1.01 SUE	nal BMITTALS Difect conditions	PART 2 PI 2 01		WEATHER. CTS WORK		A.	
OR UNLESS	A.	GRADE SITE TO DRAIN. MAINTAIN EXCAVATIONS FREE OF WATER. PROVIDE, OPERATE AND MAINTAIN PLIMPING FOLIIPMENT	2.01	A.	FORM MATERIALS: CONTRACTOR'S CHOICE OF STANDARD PRODUCTS WITH SUFFICIENT STRENGTH TO WITHSTAND HYDROSTATIC HEAD WITHOUT			
ON ELEGE	В.	VENTILATE ENCLOSED AREAS TO ASSIST CURE OF MATERIALS, TO DISSIPATE HUMIDITY, AND TO PREVENT ACCUMULATION OF DUST, FUMES, VAPORS, OR			DISTORTION IN EXCESS OF PERMITTED TOLERANCES.			EMBEDMENT. P
	C.	GASES. DUST CONTROL: EXECUTE WORK BY METHODS TO MINIMIZE RAISING DUST FROM			CHOICE OF MATERIALS THAT WILL PROVIDE SMOOTH, STAIN-FREE FINAL APPEARANCE.	3.10	ANCHO A.	R PLATE GROUT COMMERCIAL N
rawing Ients and		CONSTRUCTION OPERATIONS. PROVIDE POSITIVE MEANS TO PREVENT AIR- BORNE DUST FROM DISPERSING INTO ATMOSPHERE AND OVER ADJACENT			2. FORM COATING: RELEASE AGENT THAT WILL NOT ADVERSELY AFFECT CONCRETE OR INTERFERE WITH APPLICATION OF COATINGS.			ENGINEERS CE-2 MASTER BUILD
D AS SHOP	D.	PROPERTY. EROSION AND SEDIMENT CONTROL: PLAN AND EXECUTE WORK BY METHODS TO			 FORM TIES: TAPER REMOVABLE BOLT TYPE THAT WILL LEAVE NO METAL WITHIN 1-1/2 INCHES OF CONCRETE SURFACE. 			ohio. Lithochf California.
RAWINGS. LS WITH		CONTROL SURFACE DRAINAGE FROM CUTS AND FILLS, FROM BORROW AND WASTE DISPOSAL AREAS. PREVENT EROSION AND SEDIMENTATION.	2.02	reinf A.	ORCEMENT REINFORCING STEEL: ASTM A615/A615M, GRADE 60 - 60,000 PSI.	3.11	gravei A.	GRAVEL TO BE 1
ERTINENT	PART 2 PROD PART 3 EXEC	UCTS UTION		_	 TYPE: DEFORMED BILLET-STEEL BARS. FINISH: UNFINISHED, UNLESS OTHERWISE INDICATED. 			CONSOLIDATED
R, AS	3.01 GEN A.	INSTALLATION REQUIREMENTS INSTALL PRODUCTS AS SPECIFIED IN INDIVIDUAL SECTIONS, IN ACCORDANCE WITH		В. С.	STEEL WELDED WIRE REINFORCEMENT: ASTM A 185/A 185M, PLAIN TYPE. REINFORCEMENT ACCESSORIES:	SECTIO PRECA	N 03 4500 St Archit	ECTURAL CONCRE
I REVIEW, IS, ADJACENT	D	WANDFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, AND SU AS TO AVOID WASTE DUE TO NECESSITY FOR REPLACEMENT. MAKE VEDTICAL ELEMENTS DUTING AND HODIZONTAL ELEMENTS LEVEL TIMESS			THE WIRE: ANNEALED, MINIMUM TO GAGE, 0.0008 INCH. CHAIRS, BOLSTERS, BAR SUPPORTS, SPACERS: SIZED AND SHAPED FOR ADEQUATE SUPPORT OF DEDUCCOMENT DUPING CONCRETE	1.01		- ITALS
S. NERV TIME TO	D. C	OTHERWISE INDICATED.	2 03 CON	CRETE	PLACEMENT. MATERIALS		A. B	PROCEDURES.
DR SYSTEM	0. D.	ADJACENT VERTICAL AND HORIZONTAL LINES, UNLESS OTHERWISE INDICATED. MAKE CONSISTENT TEXTURE ON SURFACES. WITH SEAMLESS TRANSITIONS.	2.00 001	A. B.	CEMENT: ASTM C150, TYPE I - NORMAL PORTLAND TYPE. FINE AND COARSE AGGREGATES: ASTM C 33.		В. С.	PRODUCTS, INCI
ANCE OF THE	E.	UNLESS OTHERWISE INDICATED. MAKE NEAT TRANSITIONS BETWEEN DIFFERENT SURFACES. MAINTAINING TEXTURE		C. D.	FLY ASH: ASTM C618, CLASS C OR F. WATER: CLEAN AND NOT DETRIMENTAL TO CONCRETE.			IDENTIFICATION
NCE	3.02 PR(AND APPEARANCE. DGRESS CLEANING		E.	FIBER REINFORCEMENT: ALKALI-RESISTANT POLYPROPYLENE COMPLYING WITH ASTM C1116/C1116M.			ITEMS, LOCATIO RELATIONSHIP T
RTIES TO	А.	MAINTAIN AREAS FREE OF WASTE MATERIALS, DEBRIS, AND RUBBISH. MAINTAIN SITE IN A CLEAN AND ORDERLY CONDITION.	2.04	admix A.	TURES DO NOT USE CHEMICALS THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN	1.02	D. Qualit	MAINTENANCE D Y ASSURANCE
SED.	3.03 PR(A.	DTECTION OF INSTALLED WORK PROTECT INSTALLED WORK FROM DAMAGE BY CONSTRUCTION OPERATIONS.	2.05	ACCES	EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT. SSORY MATERIALS		A.	FABRICATOR QU 1. FIRM HAVIN
	В.	PROVIDE SPECIAL PROTECTION WHERE SPECIFIED IN INDIVIDUAL SPECIFICATION SECTIONS.		A.	UNDERSLAB VAPOR RETARDER: MULTI-LAYER, FABRIG-, CORD-, GRID-, OR ALUMINUM-REINFORCED POLYETHYLENE OR EQUIVALENT, COMPLYING WITH	1.03	DELIVE	PRODUCTIC RY, Storage, And
	U. 304 EIN	PLASTIC COVERINGS IF POSSIBLE.			ASTMET743, CLASS A, STATED BY MANUFACTURER AS SUITABLE FOR INSTALLATION IN CONTACT WITH SOIL OR GRANULAR FILL UNDER CONCRETE SLARS. THE LISE OF SINCLE DLY DOLVETHYLENE IS DROHIBITED.		A. R	POINTS.
SS AND	3.04 M. A. B	USE CLEANING MATERIALS THAT ARE NON-HAZARDOUS. CLEAN INTERIOR AND EXTERIOR GLASS, SUBFACES EXPOSED TO VIEW: REMOVE		В.	NON-SHRINK CEMENTITIOUS GROUT: PREMIXED COMPOUND CONSISTING OF	PART 2		CONCRETE.
ED ENGINEER	5.	TEMPORARY LABELS, STAINS AND FOREIGN SUBSTANCES, POLISH TRANSPARENT AND GLOSSY SURFACES. VACUUM CARPETED AND SOFT SURFACES.	2.06	CURIN	AGENTS. IG MATERIALS	2.01	PRECAS A.	ST UNITS, GENERAL Precast Archi
WO COPIES OF	C.	REMOVE ALL LABELS THAT ARE NOT PERMANENT. DO NOT PAINT OR OTHERWISE COVER FIRE TEST LABELS OR NAMEPLATES ON MECHANICAL AND ELECTRICAL		Α.	CURE CONCRETE ACCORDING TO ACI 308.1 BY ONE OR MORE OF THE FOLLOWING METHODS			PCI MNL-122, PC 1. Concrete
ons, submit	D.	EQUIPMENT. CLEAN EQUIPMENT AND FIXTURES TO A SANITARY CONDITION WITH CLEANING			1. EVAPORATION REDUCER: LIQUID THIN-FILM-FORMING COMPOUND THAT REDUCES RAPID MOISTURE LOSS CAUSED BY HIGH TEMPERATURE,		В.	entrained Finish type A:
NTITIES		MATERIALS APPROPRIATE TO THE SURFACE AND MATERIAL BEING CLEANED			LOW HUMIDITY, AND HIGH WINDS; INTENDED FOR APPLICATION IMMEDIATELY AFTER CONCRETE PLACEMENT.			UNITS ARE UNIF
DS SPECIFIED FFIDAVITS,	3.05 CLC A.	DESCRIPTION OF A CONTRACT OF A			2. CURING COMPOUND, NATURALLY DISSIPATING: CLEAR, WATER-BASED, LIQUID MEMBRANE-FORMING COMPOUND; COMPLYING WITH ASTM	0.00	C.	HONE ANY EXPO UN FINISHED LO
	B.	NUTIFY ARCHITECT WHEN WURK IS CONSIDERED READY FOR SUBSTANTIAL COMPLETION. SUBMIT WRITTEN CERTIFICATION CONTAINING CONTRACTOR'S CORRECTION DUNCH			3. CURING AND ANTI-SPALLING COMPOUND: BOILED LINSEED OIL	2.02	A.	REINFORCING ST
ODUCTS,	0.	LIST, THAT CONTRACT DOCUMENTS HAVE BEEN REVIEWED, WORK HAS BEEN INSPECTED, AND THAT WORK IS COMPLETE IN ACCORDANCE WITH CONTRACT			4. CURING COMPOUND, NON-DISSIPATING: LIQUID, MEMBRANE-FORMING, CLEAR NON-YELLOWING ACRYLIC: COMPLYING WITH ASTM C309	2.03	CONCR	ETE MATERIALS CEMENT: ASTM
rep in	D.	DOCUMENTS AND READY FOR ARCHITECT'S SUBSTANTIAL COMPLETION INSPECTION. NOTIFY ARCHITECT WHEN WORK IS CONSIDERED FINALLY COMPLETE AND READY			 MOISTURE-RETAINING SHEET: ASTM C171. WATER: POTABLE. NOT DETRIMENTAL TO CONCRETE. 		B.	COLOR ADDITIVE
T	E.	FOR ARCHITECT'S SUBSTANTIAL COMPLETION FINAL INSPECTION. COMPLETE ITEMS OF WORK DETERMINED BY ARCHITECT LISTED IN EXECUTED	2.07	CONCF A.	RETE MIX DESIGN PROPORTIONING NORMAL WEIGHT CONCRETE: COMPLY WITH ACI 211.1			WITH ASTM C97 1. COLOR(S):
oceeding. Work		CERTIFICATE OF SUBSTANTIAL COMPLETION.		B.	RECOMMENDATIONS. CONCRETE STRENGTH: ESTABLISH REQUIRED AVERAGE STRENGTH FOR EACH		C.	FULL RÀŃG WATER: ASTM (
:D Drkmanship.	SECTION 01 7 Closeout Si	7800 UBMITTALS			TYPE OF CONCRETE ON THE BASIS OF FIELD EXPERIENCE OR TRIAL MIXTURES, AS SPECIFIED IN ACI 301.		D.	to concrete. Air entrainmei
IRED AND	PART 1 GENE 1.01 SUI	RAL BMITTALS		C.	ADMIXTURES: ADD ACCEPTABLE ADMIXTURES AS RECOMMENDED IN ACI 211.1 AND AT RATES RECOMMENDED OR REQUIRED BY MANUFACTURER.	2.04	SUPPO A.	RT DEVICES Connecting An
AWINGS OR AS	А.	PROJECT RECORD DOCUMENTS: SUBMIT DOCUMENTS TO ARCHITECT FOR FINAL IMPLEMENTATION OF CHANGES DURING THE CONSTRUCTION PROCESS TO CREATE		D.	NORMAL WEIGHT CONCRETE: 1. COMPRESSIVE STRENGTH, WHEN TESTED IN ACCORDANCE WITH ASTM			ASTM A36/A36N ASTM A153/A15
AND	B.	"REGURD" OR "AS-BUILT DUCUMENTS AS THEY ARE COMMONLY KNOWN OPERATION AND MAINTENANCE DATA: WARDANTIES AND BONDS:			2. FLY ASH CONTENT: MAXIMUM 15 PERCENT OF CEMENTITIOUS	2.05		I. GLEAN SUM ATION PRICATE IN COMPL
PECIFIED	0.	1. FOR EQUIPMENT OR COMPONENT PARTS OF EQUIPMENT PUT INTO SERVICE DUBING CONSTRUCTION WITH OWNER'S PERMISSION. SUBMIT	PART 3 EX 3 01	XECUTI	ION ARATINALO DI WEIGHT.		B. MA	AINTAIN CONSISTEN
ND REPLACE	PART 3 EXFC	DOCUMENTS WITHIN 10 DAYS AFTER ACCEPTANCE.	2.01	A.	FORMWORK: COMPLY WITH REQUIREMENTS OF ACI 301. DESIGN AND FABRICATE FORMS TO SUPPORT ALL APPLIED LOADS UNTIL CONCRETE IS CURED, AND FOR		FR FR	AMING MEMBERS, RMIT INITIAL PLAC
DJUST	2.01 PRO A.	DJECT RECORD DOCUMENTS MAINTAIN ON SITE ONE SET OF THE FOLLOWING RECORD DOCUMENTS; RECORD	3.02	INSTA	EASY REMOVAL WITHOUT DAMAGE TO CONCRETE.		D. EN OT	IBED REINFORCING HER CAST-IN ITEM
		ACTUAL REVISIONS TO THE WORK: 1. DRAWINGS.		A.	COMPLY WITH REQUIREMENTS OF ACI 301. CLEAN REINFORCEMENT OF LOOSE RUST AND MILL SCALE, AND ACCURATELY POSITION, SUPPORT, AND SECURE IN		E. CL BL	IRE UNITS TO DEVE EMISHES SUCH AS
		 ADDENDA. CHANGE ORDERS AND OTHER MODIFICATIONS TO THE CONTRACT. 	• • •		PLACE TO ACHIEVE NOT LESS THAN MINIMUM CONCRETE COVERAGE REQUIRED FOR PROTECTION.	PART 3 3.01	EXECUTIO	IN IATION
PUBLISHED	2.02 OPE A.	ENALIUN AND MAINTENANCE DATA SOURCE DATA: FOR EACH PRODUCT OR SYSTEM, LIST NAMES, ADDRESSES AND TELEDHONE NUMBERS OF SUBCONTRACTORS AND SUBSILIES WITH A STATE	3.03	PLACII A.	NG CONCRETE IN ACCORDANCE WITH ACI 304R.	0.00	A. VE RE	KIFY THAT BUILDIN ADY TO RECEIVE W
LS, OPTIONS, TO PROVIDE	л	IELEFRUNE NUMBERS OF SUBJUNIKAUTURS AND SUPPLIERS, INCLUDING LOCAL SOURCE OF SUPPLIES AND REPLACEMENT PARTS. PRODUCT DATA: MARK FACH SHEET TO CLEADLY IDENTIFY OPFORTIO PROPLICTS AND		d. C.	FLAGE CONGRETE FOR FLOOR SLABS IN ACCORDANCE WITH ACT 302.1R. FINISH FLOORS LEVEL AND FLAT, UNLESS OTHERWISE INDICATED, WITHIN THE TOLERANCES SPECIEIED BELOW	3.02	ekecti A. Er	ECT UNITS WITHOU
DJECT; ECTION	D.	COMPONENT PARTS, AND DATA APPLICABLE TO INSTALLATION. DELETE	3.04	FLOOR A	R FLATNESS AND LEVELNESS TOLERANCES MINIMUM F(F) FLOOR FLATNESS AND F(L) FLOOR LEVELNESS VALUES		B. ER C. FA	ECT UNITS LEVEL / STEN LINITS IN DI A
R	C.	DRAWINGS: SUPPLEMENT PRODUCT DATA TO ILLUSTRATE RELATIONS OF COMPONENT PARTS OF EQUIPMENT AND SYSTEMS TO SHOW CONTROL AND FLOW		, 11	 UNDER CARPETING: F(F) OF 25; F(L) OF 20, ON-GRADE ONLY. UNDER THIN RESILIENT FLOORING AND THINSET THE FLOOR 35: F(L) 	3.03	PROTEC	CTION CTECT INSTALLED
FACHMENT		DIAGRAMS. DO NOT USE PROJECT RECORD DOCUMENTS AS MAINTENANCE DRAWINGS.		B.	OF 25, ON-GRADE ONLY. MEASURE F(F) AND F(L) IN ACCORDANCE WITH ASTM E1155. WITHIN 48 HOURS	3.04	CC	UNSTRUCTION OPER
ζ.	2.03 WA A.	RRANTIES AND BONDS Obtain Warranties and Bonds, executed in Duplicate by Responsible		-	AFTER SLAB INSTALLATION; REPORT BOTH COMPOSITE OVERALL VALUES AND LOCAL VALUES FOR EACH MEASURED SECTION.	2.97	A. PR	OFILES: SEE ARCH
		SUBCONTRACTORS, SUPPLIERS, AND MANUFACTURERS, WITHIN 10 DAYS AFTER COMPLETION OF THE APPLICABLE ITEM OF WORK. EXCEPT FOR ITEMS PUT INTO USE WITH OWNER'S PERMISSION, LEAVE DATE OF BEGINNING OF TIME OF WARRANTY UNTIL THE DATE OF SUBSTANTIAL COMPLETION IS DETERMINED.		C.	CORRECT THE SLAB SURFACE IF COMPOSITE OVERALL VALUE IS LESS THAN SPECIFIED AND IF LOCAL VALUE IS LESS THAN TWO-THIRDS OF SPECIFIED VALUE OR LESS THAN F(F) 13/F(L) 10.			

3.04 FLOOR FLATNESS AND LEVELNESS TOLERANCES (CONT) PROVIDE REMEDIATION TO CORRECT DEFECTS BY GRINDING, PLANING, SURFACE REPAIR. RE-TOPPING, OR BY REMOVAL AND REPLACEMENT OF THE DEFECTIVE WORK AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT. AREAS REQUIRING CORRECTIVE WORK WILL BE IDENTIFIED. ADDITIONAL TESTING WILL BE REQUIRED TO CONFIRM THE ENTIRE AREA IS IN COMPLIANCE. RE-MEASURE CORRECTED AREAS BY THE SAME PROCESS.

SLOPE SLAB TO DRAIN IN AREAS IDENTIFIED ON PLANS. REPAIR SURFACE DEFECTS, INCLUDING TIE HOLES, IMMEDIATELY AFTER

REMOVING FORMWORK. CONCRETE SLABS: FINISH TO REQUIREMENTS OF ACI 302.1R. AND AS FOLLOWS:

1. DECORATIVE EXPOSED SURFACES: TROWEL AS DESCRIBED IN ACI 302.1R; USE STEEL-REINFORCED PLASTIC TROWEL BLADES INSTEAD OF STEEL BLADES TO AVOID BLACK-BURNISH MARKS; DECORATIVE EXPOSED SURFACES INCLUDE SURFACES TO BE STAINED OR DYED, PIGMENTED CONCRETE, SURFACES TO RECEIVE LIQUID HARDENERS, SURFACES TO BE POLISHED, AND ALL OTHER EXPOSED SLAB SURFACES. G AND PROTECTION

COMPLY WITH REQUIREMENTS OF ACI 308R. IMMEDIATELY AFTER PLACEMENT, PROTECT CONCRETE FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES, AND MECHANICAL INJURY.

DEVICES & FILLER MATERIALS JOINT FILLER: ASTM D1751; ASPHALT IMPREGNATED FIBERBOARD OR FELT, THICKNESS TO SUIT APPLICATION.

FIELD INSPECTION AND TESTING WILL BE PERFORMED IN ACCORDANCE WITH ACI 301 BY AN INDEPENDENT TESTING FIRM EMPLOYED BY THE CONTRACTOR. PROVIDE FREE ACCESS TO WORK AND COOPERATE WITH TESTING FIRM. SUBMIT PROPOSED MIX DESIGN OF EACH CLASS OF CONCRETE TO INSPECT AND TESTING FIRM FOR REVIEW PRIOR TO COMMENCEMENT OF WORK. PERFORM TEST OF CEMENT AND AGGREGATES TO ENSURE CONFORMANCE WITH SPECIFIED REQUIREMENT.

THREE CONCRETE TEST CYLINDERS WILL BE TAKEN FOR EVERY 75 OR LESS CU YDS OF EACH CLASS OF CONCRETE PLACED. ONE ADDITIONAL TEST CYLINDER WILL BE TAKEN DURING COLD WEATHER CONCRETING, CURED ON JOB SITE UNDER SAME CONDITIONS AS CONCRETE IT REPRESENTS. ONE SLUMP TEST WILL BE TAKEN FOR EACH SET OF TEST CYLINDERS TAKEN. ONE AIR CONTENT TEST WILL BE TAKEN FOR EACH SET OF TEST CYLINDERS TAKEN. RECORD TEMPERATURE OF CONCRETE SAMPLE FOR EACH STRENGTH TEST AND ATMOSPHERIC TEMPERATURE AT THAT TIME.

ALL REINFORCED BARS SHALL BE DETAILED, BOLSTERED AND SUPPORTED IN ACCORDANCE WITH ACI 315 AND STRUCTURAL NOTES. PLACE STEEL IN CENTER OF WALL AND DOWEL, UNLESS OTHERWISE INDICATED, TO FOOTING OR TO STRUCTURE ABOVE AND BELOW WITH SAME DOWEL SIZE AND SPACING AS VERTICAL REINFORCEMENT. ALL DOWELS SHALL HAVE AT LEAST 30 DIAMETERS EMBEDMENT. PROVIDE CORNER BARS AT ALL INTERSECTING CORNERS. USE SAME SIZE BAR AND SPACING AS HORIZONTAL WALL REINFORCEMENT. OR PLATE GROUT

COMMERCIAL NON-SHRINK GROUT CONFORMING TO DEPT. OF ARMY CORPS OF ENGINEERS CE-20-401 AND CRD-C58862 "EMBECO" PRE-MIXING GROUT, MASTER BUILDERS CO., DIVISION OF AMERICAN MARIETTA CO., CLEVELAND, OHIO. LITHOCHROME METALLIC GROUT, L.M. SCHOFIELD CO. LOS ANGELES, CALIFORNIA. L UNDER SLABS

GRAVEL TO BE 1/4 TO 1 INCH PLACED MINIMUM OF 4 INCHES LEVEL AND CONSOLIDATED THOROUGHLY.

ECTURAL CONCRETE

SEE SECTION 01 3000 - ADMINISTRATIVE REQUIREMENTS, FOR SUBMITTAL

PROCEDURES. PRODUCT DATA: MANUFACTURER'S INFORMATION ON ACCESSORY PRODUCTS, INCLUDING PIGMENTS, ADMIXTURES, INSERTS, PLATES, ETC. SHOP DRAWINGS: INDICATE LAYOUT, UNIT LOCATIONS, CONFIGURATION, UNIT IDENTIFICATION MARKS, REINFORCEMENT, INTEGRAL INSULATION, INSULATED PANEL SYSTEM CONNECTORS, CONNECTION DETAILS, SUPPORT ITEMS, LOCATION OF LIFTING DEVICES, DIMENSIONS, OPENINGS, AND RELATIONSHIP TO ADJACENT MATERIALS. PROVIDE ERECTION DRAWINGS. MAINTENANCE DATA: INDICATE SURFACE CLEANING INSTRUCTIONS.

FABRICATOR QUALIFICATIONS 1. FIRM HAVING AT LEAST 2 YEARS OF DOCUMENTED EXPERIENCE IN PRODUCTION OF PRECAST CONCRETE OF THE TYPE REQUIRED. RY, STORAGE, AND HANDLING

HANDLING: LIFTING AND SUPPORT PRECAST UNITS ONLY FROM SUPPORT PROTECT UNITS TO PREVENT STAINING, CHIPPING, OR SPALLING OF

CONCRETE.

ST UNITS, GENERAL PRECAST ARCHITECTURAL CONCRETE UNITS: COMPLY WITH PCI MNL-120, PCI MNL-122, PCI MNL-123, PCI MNL-135, AND ACI CODE-318. 1. CONCRETE FACE MIX: MINIMUM 5000 PSI, 28 DAY STRENGTH, AIR ENTRAINED TO 5 TO 7 PERCENT; COMPLY WITH ACI SPEC-301. FINISH TYPE A: ENSURE EXPOSED-TO-VIEW FINISH SURFACES OF PRECAST UNITS ARE UNIFORM IN COLOR AND APPEARANCE. REPLACE ANY UNITS DEEMED NOT ACCEPTABLE BY THE ARCHITECT. HONE ANY EXPOSED TO VIEW EDGES WHICH ARE ROUGH OR OTHERWISE

UN FINISHED LOOKING. REINFORCING STEEL: ASTM A615/A615M, GRADE 60 (60,000 PSI).

1. DEFORMED BILLET-STEEL BARS. RETE MATERIALS

CEMENT: ASTM C150/C150M, TYPE I - NORMAL PORTLAND TYPE. COLOR ADDITIVES: PURE, CONCENTRATED MINERAL PIGMENTS SPECIFICALLY INTENDED FOR MIXING INTO CONCRETE AND COMPLYING WITH ASTM C979/C979M.

1. COLOR(S): AS SELECTED BY ARCHITECT FROM MANUFACTURE'S FULL RANGE. WATER: ASTM C1602/C1602M; CLEAN, POTABLE, AND NOT DETRIMENTAL

TO CONCRETE AIR ENTRAINMENT ADMIXTURE: ASTM C260/C260M.

CONNECTING AND SUPPORT DEVICES; ANCHORS AND INSERTS: ASTM A36/A36M STEEL; HOT DIP GALVANIZED IN ACCOUDANCE WITH ASTM A153/A153M.

1. CLEAN SURFACES OF RUST, SCALE, GREASE, AND FOREIGN MATTER. ABRICATE IN COMPLIANCE WITH PCI MNL-117 AND PCI MNL-135. IAINTAIN CONSISTENT QUALITY DURING MANUFACTURE. ABRICATE CONNECTING DEVICES, PLATES, ANGLES, ITEMS FIT TO STEEL RAMING MEMBERS, INSERTS, BOLTS, AND ACCESSORIES. FABRICATE TO

ERMIT INITIAL PLACEMENT AND FINAL ATTACHMENT. EMBED REINFORCING STEEL, ANCHORS, INSERTS PLATES, ANGLES, AND THER CAST-IN ITEMS. URE UNITS TO DEVELOP CONCRETE QUALITY, AND TO MINIMIZE APPERANCE LEMISHES SUCH AS NON-UNIFORMITY, STAINING, OR SURFACE CRACKING.

ERIFY THAT BUILDING STRUCTURE, ANCHORS, DEVICES, AND OPENINGS ARE

EADY TO RECEIVE WORK OF THIS SECTION. RECT UNITS WITHOUT DAMAGE TO SHARPE OF FINISH. REPLACE OR REPAIR AMAGED PANELS.

RECT UNITS LEVEL AND PLUMB WITHIN ALLOWABLE TOLERANCES. ASTEN UNITS IN PLACE WITH MECHANICAL CONNECTIONS.

ROTECT INSTALLED WALL CAPS AND WINDOW SILLS FROM SUBSEQUENT **JNSTRUCTION OPERATIONS.**

ROFILES: SEE ARCHITECTURAL DRAWINGS FOR PROFILES.

DIVISION 4 - MASONRY

SECTION 04 2200 CONCRETE MASONRY UNITS

PART 1 GENERAL 1.01 SUBMITTALS

- A. SUBMIT PRODUCT DATA FOR MORTAR, WALL TIES. ANCHORS. AND OTHER ACCESSORIES. SUBMIT SAMPLES OF DECORATIVE BLOCK, FACE BRICK UNITS, AND MORTAR TO ILLUSTRATE COLOR, TEXTURE, AND EXTREMES OF COLOR RANGE.
 - PROVIDE ALL MASONRY UNITS IN SIZES AND SHAPES AS SHOWN ON THE DRAWINGS.
- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

PART 2 PRODUCTS 2.01 MATERIALS

B.

- A. HOLLOW LOAD BEARING CONCRETE MASONRY UNITS: ASTM C90, TYPE II-NONMOISTURE CONTROLLED; STANDARD WEIGHT. DECORATIVE DESIGN AND COLOR AS SELECTED.
- GROUT: PORTLAND CEMENT, ASTM C150, TYPE I; FINE AND COURSE AGGREGATE, ASTM C404; CLEAN AND POTABLE WATER. 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS; 8-10 INCH SLUMP; PREMIXED TYPE, ASTMC94; TEST EACH LOAD IN ACCORDANCE WITH ASTM C1019.
- MORTAR: PREMIX TYPE, ASTM C387, TYPE M OR TYPE S CEMENT, 1,800 PSI COMPRESSIVE STRENGTH. MOISTURE CONTROL: HYDROSHIELD, OR EQUIVALENT; ONE QUART PER BAG OF CEMENT. BONDING AGENT: LATEX TYPE. WATER: CLEAN AND POTABLE. INSTALLATION: MSJC SPEC. MANUFACTURED BY: SPECIFIED MIX, QUICKCRETE CO., OR EQUIVALENT. MORTAR COLOR: MINERAL OXIDE PIGMENT: COLOR AS SELECTED; MANUFACTURED BY SOLOMON, DAVIS, OR EQUIVALENT. DO NOT USE ANIT-FREEZE ADDITIVES.
- 2.02 ACCESSORIES A. SINGLE WYTHE JOINT REINFORCEMENT: LADDER TYPE; COLD DRAWN STEEL WIRE CONFORMING TO ASTM A951, HOT DIP GALVANIZED AFTER FABRICATION; 3/16 INCH SIDE RODS WITH CROSS TIES.
 - REINFORCING STEEL: ASTM A615/A615M, 60 KSI YIELD GRADE, DEFORMED Β. BILLET BARS, UNCOATED FINISH. MUST BEAR GRADE MARKINGS.
 - C. WALL TIES: CORRUGATED FORMED SHEET METAL, 22 GAGE THICK, OR W1.7 TIES, HOT DIP GALVANIZED TO ASTM A153/A135M B2 FINISH. LENGTH AS NECESSARY TO ENGAGE HORIZONTAL JOINT REINFORCEMENT. PLACE WALL TIES AT NO GREATER THAN 16 INCHES ON CENTER HORIZONTILY AND VERTICALLY. D. FLASHING: COMPOSITE SHEET OF 32 MIL RUBBERIZED ASPHALT COMPOUND
 - INTEGRALLY BONDED TO CROSS LAMINATED 8 MIL POLYETHYLENE; 40 MIL TOTAL THICKNESS: PERM-A-BARRIER MANUFACTURED BY W.R. GRACE & CO.
 - MOISTURE BARRIER: BUILDING WRAP MANUFACTURED BY TYVEK. WEEPS: MOLDED POLYVINYL CHLORIDE GRILLES; INSECT PROOF; #D/A 1006
 - MANUFACTURED BY DUR-O-WALL. JOINT FILLER: CLOSED CELL POLYETHYLENE ROPE; OVERSIZED 50% TO JOINT
 - WIDTH; SELF EXPANDING; MAXIMUM LENGTHS POSSIBLE. H. CLEANING SOLUTION: NON-ACIDIC, NOT HARMFUL TO MASONRY WORK OR ADJACENT MATERIALS, AS RECOMMENDED BY THE MASONRY UNIT
 - MANUFACTURER. PREFORMED CONTROL JOINTS: POLYVINYL CHLORIDE MATERIAL. PROVIDE WITH ____. CORNER AND TEE ACCESSORIES, CEMENT FUSED JOINTS.

PART 3 EXECUTION 3.01 PLACING AND BONDING

- LAY MASONRY IN RUNNING BOND, UNLESS OTHERWISE INDICATED, WITH FULL HEAD AND BED JOINTS. LAY TO PROVIDE NOT LESS THAN 1/3 OF A UNIT AT CORNERS. ALL JOINTS SHALL BE UNIFORM WIDTH AND THICKNESS. TOOL EXPOSED JOINTS TO UNIFORM FACE. INTERLOCK INTERSECTIONS AND EXTERNAL CORNERS. ISOLATE MASONRY PARTITIONS FROM VERTICAL STRUCTURAL MEMBERS WITH A CONTROL JOINT. ISOLATE TOP JOINT OF MASONRY FROM HORIZONTAL FRAMING MEMBERS, SLABS OR DECKS WITH COMPRESSIBLE JOINT FILLER. INSTALL WEEP HOLES IN VENEER AT 32 INCH ON CENTER ABOVE FLASHING, SHELF ANGLES, AND AT BOTTOM OF WALLS. INSTALL HORIZONTAL JOINT REINFORCEMENT 16 INCHES ON CENTER. PLACE JOINT REINFORCEMENT CONTINUOUS IN FIRST AND SECOND JOINT BELOW TOP OF WALLS. POUR LOOSE INSULATION IN BLOCK CORES AS SHOWN ON THE DRAWINGS. B. INSTALL VENEER TIES AT 16 INCHES OC. VERTICALLY AND 16 INCHES OC.
- HORIZONTALLY. PLACE AT EVERY OTHER COURSE AROUND PERIMETER OF OPENINGS, WITHIN 12 INCHES OF OPENING. BEND END OF EACH TIE AROUND HORIZONTAL REINFORCEMENT. 3.02 TOLERENCES
 - MAX. VARIATION FROM PLUMB AND STRAIGHT: 1/4 INCH IN 10 FT, NON-CUMULATIVE. MAX. VARIATION FROM LEVEL COURSING: 1/8 INCH IN 3 FT, 1/4 INCH IN 10 FT, 1/2 INCH IN 30 FT.
 - CLEAN ALL WORK THOROUGHLY USING NON-METALLIC BRUSHES AND CLEANING SOLUTION AND RINSE WITH WATER. PROTECT ADJACENT FINISHES. ALL FINISHED SURFACES TO BE UNMARRED

DIVISION 6 - CARPENTRY - NOT USED DIVISION 7 - MOISTURE PROTECTION - NOT USED

DIVISION 8 - WINDOWS & DOORS

SECTION 08 7100

- DOOR HARDWARE PART 1 GENERAL
- 1.01 ADMINISTRATIVE REQUIREMENTS A. FURNISH TEMPLATES FOR DOOR AND FRAME PREPARATION TO MANUFACTURERS AND FABRICATORS OF PRODUCTS REQUIRING INTERNAL REINFORCEMENT FOR DOOR HARDWARE.
- CONVEY OWNER'S KEYING REQUIREMENTS TO MANUFACTURERS. 1.02 SUBMITTALS HARDWARE SCHEDULE: DETAILED LISTING OF EACH ITEM OF HARDWARE TO BE

INSTALLED ON EACH DOOR. USE DOOR NUMBERING SCHEME AS INCLUDED IN THE CONTRACT DOCUMENTS. IDENTIFY ELECTRICALLY OPERATED ITEMS AND INCLUDE POWER REQUIREMENTS. 1.03 QUALITY ASSURANCE

652 IVE

626 SCH

GRY IVE

SARGENT

32" ROCKWOOD

1.04 WARRANTY

A. PROVIDE 10 YEAR WARRANTY FOR DOOR CLOSERS AND LOCKSETS.

KEY TO OWNERS EXISTING KEY SYSTEM WHERE KEYED LOCKS (VERIFY WITH OWNER)

MANUFACTURERS	<u>USED</u> :
HINGES:	PBB
LOCKSETS:	SCHLAGE
KICK PLATE:	IVES
WALL STOP:	IVES
CLOSER:	SARGENT

HARDWARE SET TYPICAL: VERIFY WITH OWNER

5BB1 4.5X4.5 NRP 3 EA HINGE 1 EA STOREROOM LOCK ND80PD RHO 3 EA SILENCER SR64 1 EA THRESHOLD 1 SET WEATHERSTRIPING 1 EA CLOSER 1430 PSH 1 EA KICK PLATE K1050

VISION 9 - FINISHES - NOT USED	
VISION 10 - SPECIALTIES - NOT USE	D

- DIVISION 11 EQUIPMENT NOT USED
- DIVISION 12 FURNISHINGS NOT USED DIVISION 13 - SPECIAL CONSTRUCTION - NOT USED
- DIVISION 14 CONVEYING SYSTEMS NOT USED DIVISION 15 - MECHANICAL / PLUMBING
- SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR DESIGN CRITERIA AND REQUIREMENTS OF ALL MECHANICAL AND PLUMBING.

DIVISION 16 - ELECTRICAL

SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR DESIGN CRITERIA AND REQUIREMENTS OF ALL POWER AND LIGHTING.

DIVISION 31 - EARTHWORK

SEE LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR DESIGN CRITERIA AND REQUIREMENTS OF ALL LANDSCAPE.

DIVISION 32 - EXTERIOR IMPROVEMENTS SEE LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR DESIGN CRITERIA AND REQUIREMENTS OF ALL LANDSCAPE.

DESIGN WEST

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SPECIFICATIONS



	DIVISION 01 - GENERAL REQUIREMENTS	 B. Test Reports: After each test/inspection, promptly submit two copies of report to Architect and to Contractor. 		B. Air Entrainment Admixture: ASTM C260/C260M.
	SUBSTITUTION PROCEDURES	 Test report submittals are for Architect's knowledge as contract administrator for the limited purpose of assessing compliance with information given and 	A. See Section 012500 - Substitution Procedures.	A. No curing or hardening agents: No curing agents, sea
	PART 1 GENERAL 1.01 DEFINITIONS	the design concept expressed in the Contract Documents, or for Owner's information.		used to aid in curing of concrete. If present these con by shot blasting or scarifying prior to installation of syr
	A. Substitutions: Changes from Contract Documents requirements proposed by	C. Certificates: When specified in individual specification sections, submit	SECTION 031000	curing agents, sealer, or hardeners may have an adve of the synthetic track surface to the concrete base.
	 Substitutions for Cause: Proposed due to changed Project circumstances beyond Contractor's control 	subcontractor to Architect, in quantities specified for Product Data.	CONCRETE FORMING AND ACCESSORIES PART 1 GENERAL - NOT USED	2.06 CONCRETE MIX DESIGN
	a. Unavailability.	requirements. Submit supporting reference data, affidavits, and certifications as appropriate	PART 2 PRODUCTS	at rates recommended or required by manufacturer.
	 Regulatory changes. Substitutions for Convenience: Proposed due to possibility of offering substantial advantage to the Project 	 Certificates may be recent or previous test results on material or product, but must be acceptable to Architect 	2.01 FORMWORK - GENERAL A. Provide concrete forms, accessories, shoring, and bracing as required to	B. Normal Weight Concrete: 1. Compressive Strength, when tested in accordance
D	a. Substitution requests offering advantages solely to the Contractor will	D. Manufacturer's Instructions: When specified in individual specification sections,	accomplish cast-in-place concrete work.	 28 days: As indicated on drawings. Fly Ash Content: Maximum 20 percent of cemer
	PART 2 PRODUCTS - NOT USED	adjusting, and finishing, for the Owner's information. Indicate special procedures,	lines, and dimensions.	 Water-Cement Ratio: As indicated on structural Total Air Content: As indicated on structural drav
	PART 3 EXECUTION	required for application or installation.	C. Comply with applicable state and local codes with respect to design, fabrication, erection, and removal of formwork.	 Maximum Slump: 3-1/2 inches (89 mm) at point No water shall be added at job site.
	A. A Substitution Request for products, assemblies, materials, and equipment	E. Manufacturer's Field Reports: Submit reports for Architect's benefit as contract administrator or for Owner.	PART 3 EXECUTION 3.01 EXAMINATION	PART 3 EXECUTION 3.01 PREPARATION
	 Has investigated proposed product and determined that it meets or exceeds 	1. Submit report in duplicate within 30 days of observation to Architect for information.	A. Verify lines, levels and centers before proceeding with formwork. Ensure that	3.02 PLACING CONCRETE
	 Agrees to provide the same warranty for the substitution as for the specified 	2. Submit for information for the limited purpose of assessing compliance with information given and the design concept expressed in the Contract	3.02 ERECTION - FORMWORK	 A. Place concrete in accordance with ACI PRC-304. B. Place 4" minimum concrete over 4 inches of ³/₄ inch cr
	3. Agrees to provide same or equivalent maintenance service and source of	1.02 QUALITY ASSURANCE	A. Erect formwork, shoring and bracing to achieve design requirements, in accordance with requirements of ACI SPEC-301.	course.
	 4. Agrees to coordinate installation and make changes to other work that may be required for the work to be complete, with no additional cost to Owner. 	 A. Testing Agency Qualifications: 1. Prior to start of work, submit agency name, address, and telephone number. 	B. Provide bracing to ensure stability of formwork. Shore or strengthen formwork subject to overstressing by construction loads	indicated or required.
	 5. Waives claims for additional costs or time extension that may subsequently 	and names of full time registered Engineer and responsible officer. 2. Qualification Statement: Provide documentation showing testing laboratory	3.03 APPLICATION - FORM RELEASE AGENT	 D. Place concrete in a continuous operation within planned add water to adjust slump.
	 Agrees to reimburse Owner and Architect for review or redesign services accession of with re-approval by outparities 	is accredited under IAS AC89.	 Apply form release agent on formwork in accordance with manufacturer's recommendations. 	E. Place pre-cast concrete catch basin as indicated and C891. Connect to existing drainage system if any. Ve
	B. A Substitution Request for specified installer constitutes a representation that the	A. For products and workmanship specified by reference to a document or	3.04 INSERTS, EMBEDDED PARTS, AND OPENINGS	report findings to architect.
	submitter: 1. Has acted in good faith to obtain services of specified installer, but was	documents not included in the Project Manual, also referred to as reference standards, comply with requirements of the standard, except when more rigid	A. Locate and set in place items that will be cast directly into concrete.B. Coordinate with work of other sections in forming and placing openings, slots,	A. Float surfaces to true planes within a tolerance of 1/4
	unable to come to commercial, or other terms. C. Document each request with complete data substantiating compliance of	requirements are specified or are required by applicable codes.B. Comply with reference standard of date of issue current on date of Contract	reglets, recesses, sleeves, bolts, anchors, other inserts, and components of other work.	B. Tool edges and joints to a radius of 1/4 inch (6 mm)
	proposed substitution with Contract Documents. Burden of proof is on proposer.	Documents, except where a specific date is established by applicable code.	3.05 FORM REMOVAL	3.04 CURING AND PROTECTION
	Substitution Request, and information necessary to provide an actionable response	clarification from Architect before proceeding.	carry its own weight and imposed loads.	 Comply with requirements of ACI PRC-308. Immediat concrete from premature drying, excessively hot or co machapies injury.
	 No specific form is required. Contractor's Substitution Request documentation must include the following: 	D. Neither the contractual relationships, duties, or responsibilities of the parties in Contract nor those of Architect shall be altered from Contract Documents by montion or information at heavies in any reference document.	END OF SECTION SECTION 032000	END OF SECTION
	 a. Project Information: 1) Official project name and number, and any additional required 	PART 2 PRODUCTS - NOT USED	CONCRETE REINFORCING	SECTION 034500 PRECAST ARCHITECTURAL CONCR
С	identifiers established in Contract Documents. b. Substitution Request Information:	PART 3 EXECUTION 3.01 CONTROL OF INSTALLATION	1.01 SUBMITTALS	PART 1 GENERAL
	 Discrete and consecutive Substitution Request number, and descriptive subject/title. 	A. Monitor quality control over suppliers, manufacturers, products, services, site	A. Shop Drawings: Comply with requirements of ACI MNL-66 Include bar schedules, shapes of bent bars, spacing of bars, and location of splices.	A. Product Data: Manufacturer's information on accesso
	2) Indication of whether the substitution is for cause or convenience.3) Issue date.	 B. Comply with manufacturers' instructions, including each step in sequence. 	1.02 QUALITY ASSURANCE A Perform work of this section in accordance with ACL SPEC-301	pigments, admixtures, inserts, plates, etc. B. Shop Drawings: Indicate layout, unit locations, config
	4) Description of Substitution.5) Reason why the specified item cannot be provided.	C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect before proceeding.	PART 2 PRODUCTS	marks, reinforcement, integral insulation, insulated pa connection details, support items, location of lifting de
	 6) Differences between proposed substitution and specified item. 7) Description of how proposed substitution affects other parts of 	 D. Comply with specified standards as minimum quality for the work except where more stringent tolerances, codes, or specified requirements indicate higher. 	2.01 REINFORCEMENT A Reinforcing Steel: ASTM A615/A615M Grade 60 (60 000 psi) (420 MPa)	openings, and relationship to adjacent materials. Pro
	work. c. Attached Comparative Data: Provide point-by-point, side-by-side	standards or more precise workmanship.	 Deformed billet-steel bars. Unfinished 	illustrating surface finish, color and texture.
	comparison addressing essential attributes specified, as appropriate and relevant for the item:	e. Have work performed by persons qualified to produce required and specified quality.	 B. Steel Welded Wire Reinforcement (WWR): Plain type; ASTM A1064/A1064M. 	PART 2 PRODUCTS
	 Physical characteristics. In-service performance. 	 F. Verify that field measurements are as indicated on shop drawings or as instructed by the manufacturer. 	2.02 RE-BAR SPLICING: A Coupler Systems: Mechanical devices for splicing reinforcing bars	2.01 PRECAST UNITS, GENERAL
	 3) Expected durability. 4) Visual effect. 	G. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, and disfigurement.	 Comply with ACI CODE-318 steel reinforcing design strength requirements for splices in tension and compression. 	PCI MNL-123, PCI MNL-135, and ACI CODE-318.
	 Warranties. Other salient features and requirements. 	3.02 MOCK-UPS	B. Dowel Bar Splicer with Dowel-Ins: Mechanical devices for splicing reinforcing	entrained to 5 to 7 percent; comply with ACI SPE
	 Include, as appropriate or requested, the following types of documentation: 	A. Accepted mock-ups establish the standard of quality the Architect will use to judge the Work.	 Comply with ACI CODE-318 steel reinforcing design strength requirements for splices in tension and compression 	A. Reinforcing Steel: ASTM A615/A615M, Grade 60 (60
	(a) Product Data: (b) Samples.	B. Notify Architectand None - N/A Consultant fifteen (15) working days in advance of dates and times when mock-ups will be constructed.	C. Taper Tie Hole Plug: Mechanical device for plugging tie holes; anchors optional	1. Deformed billet-steel bars. 2.03 CONCRETE MATERIALS
	(c) Certificates, test, reports or similar qualification data.d. Impact of Substitution:	C. Tests shall be performed under provisions identified in this section and identified in the respective product specification sections.	D. Grout: Cementitious, non-metallic, non-shrink grout for use with manufacturer's	A. Cement: ASTM C150/C150M, Type I - Normal Portla
	 Savings to Owner for accepting substitution. Change to Contract Time due to accepting substitution. 	D. Assemble and erect specified items with specified attachment and anchorage devices, flashings, seals, and finishes.	grout sleeve reinforcing bar coupler system. 2.03 FABRICATION	B. Color Additives: Pure, concentrated mineral pigments mixing into concrete and complying with ASTM C979/
	 E. Limit each request to a single proposed substitution item. 1. Submit an electronic document, combining the request form with supporting 	E. Architect will use accepted mock-ups as a comparison standard for the remaining	 Fabricate concrete reinforcing in accordance with CRSI (DA4) - Manual of Standard Practice. 	C. Water: ASTM C1602/C1602M; clean, potable, and no D. Air Entrainment Admixture: ASTM C260/C260M
	data into single document.	F. Where mock-up has been accepted by Architect and is specified in product	B. Fabricate and handle epoxy-coated reinforcing in accordance with ASTM	2.04 SUPPORT DEVICES
Б	A. Submittal Time Restrictions:	specification sections to be removed, protect mock-up throughout construction, remove mock-up and clear area when directed to do so by Architect.	C. Locate reinforcing splices not indicated on drawings at point of minimum stress.	A. Connecting and Support Devices; Anchors and Inserta hot-dip galvanized in accordance with ASTM A153/A1
В	 Submit request for Substitution for Convenience immediately upon discovery of its potential advantage to the project, but not later than [7] days prior to time required for review and encrypted by Architect in order to store an 	3.03 DEFECT ASSESSMENT A. Replace Work or portions of the Work not complying with specified requirements.	PART 3 EXECUTION	Clean surfaces of rust, scale, grease, and foreign 2.05 FABRICATION
	approved bidding schedule.	B. If, in the opinion of Owner, it is not practical to remove and replace the work, Owner will direct an appropriate remedy or adjust payment	A. Place, support and secure reinforcement against displacement. Do not deviate	A. Fabricate in compliance with PCI MNL-117 and PCI M
	3.03 SUBSTITUTION PROCEDURES DURING CONSTRUCTION A. Architect will consider requests for substitutions only within 15 days after date of	END OF SECTION	B. Do not displace or damage vapor barrier.	B. Maintain consistent quality during manufacture.C. Fabricate connecting devices, plates, angles, items fit
	Agreement. B Submit request for Substitution for Cause within 14 days of discovery of need for	SECTION 016000 PRODUCT REQUIREMENTS	C. Comply with applicable code for concrete cover over reinforcement.	inserts, bolts, and accessories. Fabricate to permit init attachment.
	substitution, but not later than 7 days prior to time required for review and approval by Architect, in order to stay on approved project schedule.	PART 1 GENERAL	SECTION 033000	D. Embed reinforcing steel, anchors, inserts plates, angle
	C. Submit request for Substitution for Convenience are not permitted during	A. Product Data Submittals: Submit manufacturer's standard published data. Mark	CAST-IN-PLACE CONCRETE PART 1 GENERAL	3.01 ERECTION
	 D. Substitutions will not be considered under one or more of the following 	each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information specific to this	1.01 SUBMITTALS	 A. Erect units without damage to shape or finish. Replace panels.
	 When they are indicated or implied on shop drawing or product data submittals, without having received prior construct. 	B. Shop Drawing Submittals: Prepared specifically for this Project; indicate utility	1.02 QUALITY ASSURANCE	B. Erect units level and plumb within allowable tolerance
	 Without a separate written request during the bidding period. 	and electrical characteristics, utility connection requirements, and location of utility outlets for service for functional equipment and appliances.	 A. Perform work of this section in accordance with ACI SPEC-301 and ACI CODE- 318. 	END OF SECTION
	 Failure to order product in a timely manner to meet project timeline requirements, does not constitute justification for a substitution. Any additional costs incurred 	C. Sample Submittals: Illustrate functional and aesthetic characteristics of the product, with integral parts and attachment devices. Coordinate sample	B. Follow recommendations of ACI PRC-305 when concreting during hot weather.	DIVISION 04 - MASONRY SECTION 042500
	related to obtaining the specified product in a expedited manner, as a result of this failure, will not be approved in Change Orders and are the responsibility of the	submittals for interfacing work. PART 2 PRODUCTS	C. Follow recommendations of ACI PRC-306 when concreting during cold weather. PART 2 PRODUCTS	
	3.04 RESOLUTION	2.01 EXISTING PRODUCTS	2.01 FORMWORK	1.01 SUBMITTALS
	 Architect may request additional information and documentation prior to rendering a decision. Provide this data in an expeditious manner. 	 A. Do not use materials and equipment removed from existing premises unless specifically required or permitted by Contract Documents. 	 A. Form Materials. Contractor's choice of standard products with sufficient strength to withstand hydrostatic head without distortion in excess of permitted tolerances. 1. Earth Cute: Do not use earth cute as forms for vertical surfaces. Natural 	A. Product Data: For each type of product indicated.
	 B. Architect will notify Contractor in writing of decision to accept or reject request. Architect's decision following review of proposed substitution will be noted 	 B. Unforeseen historic items encountered remain the property of the Owner; notify Owner promptly upon discovery; protect, remove, handle, and store as directed 	rock formations that maintain a stable vertical edge may be used as side forms	1. Pre-faced concrete masonry units.
	on the submitted form.	by Owner. C. Existing materials and equipment indicated to be removed, but not to be re-used,	2.02 REINFORCEMENT MATERIALS	C. Material Certificates: Include statements of material p compliance with requirements including compliance w
	A. Accepted substitutions change the work of the Project. They will be documented	relocated, reinstalled, delivered to the Owner, or otherwise indicated as to remain the property of the Owner, become the property of the Contractor; remove from	 A. Reinforcing Steel: ASTM A615/A615M, Grade 60 (60,000 psi) (420 MPa). 1. Type: Deformed billet-steel bars. 	1. Masonry units.
А	and incorporated into work of the project by Change Order, Construction Change Directive, Architectural Supplementary Instructions, or similar instruments	site. 2.02 NEW PRODUCTS	2.03 CONCRETE MATERIALS	 Cementitious materials. Include brand, type, and Preblended, dry mortar mixes. Include description
	provided for in the Conditions of the Contract. 3.06 CLOSEOUT ACTIVITIES	A. Provide new products unless specifically required or permitted by Contract	B. Course Aggregate: ASTM C33/C33M.	 4. Grout mixes. Include description of type and pro 5. Deinforming here.
	A. See Section 017800 - Closeout Submittals, for closeout submittals.	2.03 PRODUCT OPTIONS	 Acquire aggregates for entire project from same source. Normal Weight Aggregate: ASTM C33/C33M, gravel or crushed stone 	 D. Mix Designs: For each type of mortar and grout. Include
	END OF SECTION SECTION 014000	A. Products Specified by Reference Standards or by Description Only: Use any product meeting those standards or description.	suitably washed and screened, and shall consist of hard, durable particles without adherent coatings.	proportions of ingredients. 1. Include test reports, per ASTM C 780, for mortar
	QUALITY REQUIREMENTS PART 1 GENERAL	 B. Products Specified by Naming One or More Manufacturers: Use a product of one of the manufacturers named and meeting specifications, substitutions allowed as 	 Lightweight Aggregate: ASTM C330/C330M, suitably processed, washed and screened, and shall consist of durable particles without adherent 	with property specification. 2. Include test reports, per ASTM C 1019, for grout
	1.01 SUBMITTALS	per each individual section upon approval during bidding process. Contactors may bid on approved manufacturer's products or substitutions approved during	coatings. C. Fly Ash: ASTM C618, Class C or F.	with compressive strength requirement. E. Statement of Compressive Strength of Masonry: For
	A. Design Data: Submit for Architect's knowledge as contract administrator for the limited purpose of assessing compliance with information given and the design	bidding; those that are approved in an addendum.	2.04 ADMIXTURES	masonry unit type and mortar type, provide statement compressive strength of masonry units, mortar type, a
	concept expressed in the Contract Documents, or for Owner's information.	Substitutions: Submit a request for substitution for any manufacturer not named.	percent by weight of cement.	compressive strength of masonry determined accordin 1.02 QUALITY ASSURANCE
	1	2	3	4

4

260M.	A. Source Limitations for Masonry Units: Obtain exposed masonry units of a uniform texture and color, or a uniform blend within the ranges accepted for these
agents, sealers, or hardener shall be t these compounds must be removed	characteristics, through one source from a single manufacturer for each product required.
ation of synthetic surface. Chemical ave an adverse effect on the adhesion te base.	B. Source Limitations for Mortar Materials: Obtain mortar ingredients of a uniform quality, including color for exposed masonry, from a single manufacturer for each cementitious component and from one source or producer for each aggregate.
s recommended in ACI PRC-211.1 and	 1.03 PROJECT CONDITIONS A. Protection of Masonry: During construction, cover tops of walls, projections, and sills with waterproof sheeting at end of each day's work. Cover partially
utacturer.	completed masonry when construction is not in progress. B. Stain Prevention: Prevent grout, mortar, and soil from staining the face of
nt of cementitious materials by weight.	masonry to be left exposed or painted. Immediately remove grout, mortar, and soil that come in contact with such masonry including any masonry cutting or
n structural drawings uctural drawings. m) at point of placement.	 C. Cold-Weather Requirements: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen substrates. Remove and replace unit masonry damaged by frost or by freezing conditions. Comply with cold-weather construction requirements contained in ACI 530.1/ASCE 6/TMS 602.
	D. Hot-Weather Requirements: Comply with hot-weather construction requirements contained in ACI 530.1/ASCE 6/TMS 602.
C-304	
of ¾ inch crushed aggregate base	2.01 MASONRY UNITS, GENERAL A. Defective Units: Referenced masonry unit standards may allow a certain
, isolation, and expansion joints as	defects exceeding limits stated in the standard. Do not uses units where such defects, including dimensions that vary from specified dimensions by more than
vithin planned joints or sections. Do not	stated tolerances, will be exposed in the completed Work or will impair the quality of completed masonry.
icated and install according to ASTM i if any. Verify existing conditions and	2.02 CONCRETE MASONRY UNITS (CMUS) A. Amcor Products manufactured by Old Castle in Idaho Falls are not acceptable
	products without approval of Architect prior to bidding. No Pumis block.B. Shapes: Provide shapes indicated and as follows:
ance of 1/4 inch in 10 feet (1:480) and	1. Provide special shapes for lintels, corners, jambs, sashes, movement joints, headers, bonding, and other special conditions.
h (6 mm)	2. Provide bullhose units for outside corners, unless otherwise indicated.C. Integral Water Repellent: Provide units made with integral water repellent for
. Immediately after placement, protect	 exposed units and where indicated. 1. Integral Water Repellent: Liquid polymeric, integral water-repellent admixture that does not reduce flexural bond strength. Units made with
	integral water repellent, when tested as a wall assembly made with mortar containing integral water-repellent manufacturer's mortar additive according
	to ASTM E 514, with test period extended to 24 hours, show no visible water or leaks on the back of test specimen.
	 D. Concrete Masonry Units: ASTM C 90. 1. Unit Compressive Strength: Provide units with minimum average net-area
on accessory products, including	 2. Weight Classification: Medium weight. 3. Size (Width): Manufactured to dimensions 3/8 inch (9.52 mm) less than
ons, configuration, unit identification	nominal dimensions. ASTM C 90 requires at least four units for sample, representing the range of color and texture permitted.
isulated panel system connectors, of lifting devices, dimensions, erials Provide erection drawings	E. Decorative Concrete Masonry Units: ASTM C90.1. Unit Compressive Strength: Provide units with minimum average net-area
" inch (by mm) in size,	 compressive strength of 1900 psi (13100.04 kPa). 2. Weight Classification: Medium weight. 2. Of a (Middle) Mana for the related to the related t
	 Size (Width): Manufactured to dimensions specified in Concrete Masonry Units" Paragraph above. Pattern and Texture:
	 a. Standard pattern, split-face finish. 5. Colors: As selected by Architect from manufacturer's full range. Include
ply with PCI MNL-120, PCI MNL-122, DE-318.	color range variation and percent of mix in mock up equivalent to Buehner Block.
th ACI SPEC-301.	2.03 MORTAR AND GROUT MATERIALS A. Portland Cement: ASTM C 150, Type I or II, except Type III may be used for
ade 60 (60,000 psi) (420 MPa).	cold-weather construction. Provide natural color or white cement as required to produce mortar color indicated.
	B. Hydrated Lime: ASTM C 207, Type S.C. Portland Cement-Lime Mix: Packaged blend of portland cement complying with
rmal Portland type. al pigments specifically intended for	ASTM C 150, Type I or Type III, and hydrated lime complying with ASTM C 207, Type S.
ble, and not detrimental to concrete.	 D. Mortar Cement: ASTM C 1329. E. Mortar Pigments: Natural and synthetic iron oxides and chromium oxides,
260M.	satisfactory performance in masonry mortar. Range of acceptable mortar color variation not to exceed approved mock up.
and Inserts: ASTM A36/A36M steel; M A153/A153M.	 F. Aggregate for Mortar: ASTM C 144. 1. Colored-Mortar Aggregates: Natural sand or crushed stone of color
	necessary to produce required mortar color. G. Aggregate for Grout: ASTM C 404.
and PCI MNL-135. ture.	H. Epoxy Pointing Mortar: ASTM C 395, epoxy-resin-based material formulated for use as pointing mortar for structural-clay tile facing units (and approved for such
es, items fit to steel framing members, p permit initial placement and final	selected by Architect from manufacturer's colors.
lates, angles, and other cast-in items.	medium-duty refractory mortar that passes ASTM C 199 test; or an equivalent product acceptable to authorities having jurisdiction.
	J. Cold-Weather Admixture: Nonchloride, noncorrosive, accelerating admixture complying with ASTM C 494/C 494M, Type C, and recommended by
sh. Replace or repair damaged	manufacturer for use in masonry mortar of composition indicated.K. Water-Repellent Admixture: Liquid water-repellent mortar admixture intended for
e tolerances. ections.	use with concrete masonry units compatible with specified sealers, containing integral water repellent by same manufacturer.
	L. Water: Potable. 2.04 REINFORCEMENT
	A. Uncoated Steel Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (Grade 420). 2.05 MISCELLANEOUS ANCHORS
	A. Anchor Bolts: Headed steel bolts complying with ASTM A 307, Grade A (ASTM F 568M, Property Class 4.6); with ASTM A 563 (ASTM A 563M) hex nuts and.
licated.	where indicated, flat washers; hot-dip galvanized to comply with ASTM A 153/A 153M, Class C; of dimensions indicated.
d color of the following:	 Corrosion Protection: Carbon-steel components zinc plated to comply with ASTM B 633, Class Fe/Zn 5 (5 microns) for Class SC 1 service condition (mild)
f material properties indicating mpliance with standards and type each type and size of the following:	A. Compressible Filler: Premolded filler strips complying with ASTM D 1056. Grade
d, type, and name of manufacturer.	2A1; compressible up to 35 percent; of width and thickness indicated; formulated from neoprene, urethane or PVC.
e description of type and proportions of	 B. Reinforcing Bar Positioners: Wire units designed to fit into mortar bed joints spanning masonry unit cells with loops for holding reinforcing bars in center of cells. Units are formed from 0.142-inch (3.6-mm) steel wire, bot-dip cellvarized
grout. Include description of type and	after fabrication. Provide units with either two loops or four loops as needed for number of bars indicated.
, for mortar mixes required to comply	2.07 MASONRY CLEANERS A. Proprietary Acidic Cleaner: Manufacturer's standard-strength cleaner designed
9, for grout mixes required to comply	for removing mortar/grout stains, efflorescence, and other new construction stains from new masonry without discoloring or damaging masonry surfaces. Use
sonry: For each combination of	product expressly approved for intended use by cleaner manufacturer and manufacturer of masonry units being cleaned.
ed according to.	A. General: Do not use admixtures, including pigments, air-entraining agents,

	D.	Hot-Weather Requirements: Comply with hot-weather construction requirements contained in ACI 530.1/ASCE 6/TMS 602.
٩R	Т2-	PRODUCTS
01	MA A.	SONRY UNITS, GENERAL Defective Units: Referenced masonry unit standards may allow a certain percentage of units to exceed tolerances and to contain chips, cracks, or other defects exceeding limits stated in the standard. Do not uses units where such defects including dimensions that vary from specified dimensions by more than
12	CO	stated tolerances, will be exposed in the completed Work or will impair the quality of completed masonry.
52	со А.	Amcor Products manufactured by Old Castle in Idaho Falls are not acceptable products without approval of Architect prior to bidding. No Pumis block.
	В.	 Shapes: Provide shapes indicated and as follows: Provide special shapes for lintels, corners, jambs, sashes, movement joints, headers, bonding, and other special conditions. Provide bullnose units for outside corners, unless otherwise indicated.
	C.	 Integral Water Repellent: Provide units made with integral water repellent for exposed units and where indicated. Integral Water Repellent: Liquid polymeric, integral water-repellent admixture that does not reduce flexural bond strength. Units made with integral water repellent, when tested as a wall assembly made with mortar containing integral water-repellent manufacturer's mortar additive according to ASTM E 514, with test period extended to 24 hours, show no visible water
	D.	 or leaks on the back of test specimen. Concrete Masonry Units: ASTM C 90. 1. Unit Compressive Strength: Provide units with minimum average net-area compressive strength of 1900 psi (13100.04 kPa).
		 Weight Classification: Medium weight. Size (Width): Manufactured to dimensions 3/8 inch (9.52 mm) less than nominal dimensions. ASTM C 90 requires at least four units for sample, representing the range of color and texture permitted.
	E.	 Decorative Concrete Masonry Units: ASTM C90. 1. Unit Compressive Strength: Provide units with minimum average net-area compressive strength of 1900 psi (13100 04 kPa)
		 Weight Classification: Medium weight. Size (Width): Manufactured to dimensions specified in "Concrete Masonry Units" Paragraph above.
		 Pattern and Texture: Standard pattern, split-face finish. Colors: As selected by Architect from manufacturer's full range. Include color range variation and percent of mix in mock up equivalent to Buehner
13	мо	Block. RTAR AND GROUT MATERIALS
	A.	Portland Cement: ASTM C 150, Type I or II, except Type III may be used for
	B	cold-weather construction. Provide natural color or white cement as required to produce mortar color indicated.
	C.	Portland Cement-Lime Mix: Packaged blend of portland cement complying with ASTM C 150, Type I or Type III, and hydrated lime complying with ASTM C 207, Type S.
	D.	Mortar Cement: ASTM C 1329.
	Ε.	compounded for use in mortar mixes. Use only pigments with a record of satisfactory performance in masonry mortar. Range of acceptable mortar color variation not to exceed approved mock up.
	F.	 Aggregate for Mortar: ASTM C 144. 1. Colored-Mortar Aggregates: Natural sand or crushed stone of color necessary to produce required mortar color.
	G. H.	Epoxy Pointing Mortar: ASTM C 404. Epoxy Pointing Mortar: ASTM C 395, epoxy-resin-based material formulated for use as pointing mortar for structural-clay tile facing units (and approved for such use by manufacturer of units); in color indicated or, if not otherwise indicated, as selected by Architect from manufacturer's colors.
	I.	Refractory Mortar Mix: Ground fireclay or non-water-soluble, calcium aluminate, medium-duty refractory mortar that passes ASTM C 199 test; or an equivalent product acceptable to authorities having jurisdiction.
	J.	Cold-Weather Admixture: Nonchloride, noncorrosive, accelerating admixture complying with ASTM C 494/C 494M, Type C, and recommended by manufacturer for use in masonry mortar of composition indicated.
	ĸ. L.	use with concrete masonry units compatible with specified sealers, containing integral water repellent by same manufacturer. Water: Potable.
04	REI	
)5	A. MIS	Uncoated Steel Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (Grade 420).
	A.	 Anchor Bolts: Headed steel bolts complying with ASTM A 307, Grade A (ASTM F 568M, Property Class 4.6); with ASTM A 563 (ASTM A 563M) hex nuts and, where indicated, flat washers; hot-dip galvanized to comply with ASTM A 153/A 153M, Class C; of dimensions indicated. Corrosion Protection: Carbon-steel components zinc plated to comply with ASTM B 633, Class Ee/Zn 5 (5 microns) for Class SC 1 service condition.
06	MIS A.	CELLANEOUS MASONRY ACCESSORIES Compressible Filler: Premolded filler strips complying with ASTM D 1056, Grade 2A1; compressible up to 35 percent; of width and thickness indicated; formulated
	B.	Reinforcing Bar Positioners: Wire units designed to fit into mortar bed joints spanning masonry unit cells with loops for holding reinforcing bars in center of cells. Units are formed from 0.142-inch (3.6-mm) steel wire, bot-dip cellyapized
07	МА	after fabrication. Provide units with either two loops or four loops as needed for number of bars indicated.
~	Α.	Proprietary Acidic Cleaner: Manufacturer's standard-strength cleaner designed for removing mortar/grout stains, efflorescence, and other new construction stains from new masonry without discoloring or damaging masonry surfaces. Use product expressly approved for intended use by cleaner manufacturer and manufacturer of masonry units being cleaned.
98	MO	RTAR AND GROUT MIXES

General: Do not use admixtures, including pigments, air-entraining agents, accelerators, retarders, water-repellent agents, antifreeze compounds, or other

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DESIGN WEST

G-003

		admixtures, unless otherwise indicated.
		 Limit cementitious materials in mortar to portland cement, mortar cement, and lime.
		 Limit cementitious materials in mortar for exterior and reinforced masonry to portland cement, mortar cement, and lime. Add add use the restrictions (if user the restriction of the restriction of
		exposed to view, regardless of weather conditions, to ensure that mortar color is consistent.
	В.	Preblended, Dry Mortar Mix: Furnish dry mortar ingredients in form of a preblended mix. Measure quantities by weight to ensure accurate proportions,
	C.	and thoroughly blend ingredients before delivering to Project site. Mortar for Unit Masonry: As noted on structural drawings, per structural notes,
D	D.	Provide the following types of mortar for applications stated unless another type is indicated or needed to provide required compressive strength of masonry. Mortar for Unit Masonry: Comply with ASTM C 270, BIA Technical Notes 8A.
		Property Specification. Provide the following types of mortar for applications stated unless another type is indicated or needed to provide required compressive strength of masonry
	E.	Pigmented Mortar: Use colored cement product or select and proportion pigments with other ingredients to produce color required. Do not add pigments
		to colored cement products. 1. Pigments shall not exceed 10 percent of portland cement by weight. 2. Pigments shall not exceed 5 percent of masonny cement by weight.
	PART 3	 A regiments shall not exceed 5 percent of masonry cement by weight. Mix to match Architect's sample. EXECUTION
	3.01 EX	
	А.	Examine conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. 1. For the record, prepare written report, endorsed by Installer, listing
		conditions detrimental to performance of work.2. Verify that foundations are within tolerances specified.
	В.	 Verify that reinforcing dowels are properly placed. Before installation, examine rough-in and built-in construction for piping systems
	C.	Proceed with installation only after unsatisfactory conditions have been corrected.
	D. 3.02 IN:	Sort out excessively chipped or damaged units and remove from site.
	A.	Use full-size units without cutting if possible. If cutting is required to provide a continuous pattern or to fit adjoining construction, cut units with motor-driven saws; provide clean, sharp, unchipped edges. Allow units to dry before laving
		unless wetting of units is specified. Install cut units with cut surfaces and, where possible, cut edges concealed.
С	В.	Select and arrange units for exposed unit masonry to produce a uniform blend of colors and textures.
	C.	Comply with construction tolerances in ACI 530.1/ASCE 6/TMS 602 and with the following:
		reveals, and expansion and control joints, do not vary from plumb by more than 1/8 inch (3.18 mm) in 10 feet (304.8 cm), 1/4 inch (6.35 mm) in 20 feet
		 (609.6 cm), or 1/2 inch (12.7 mm) maximum. 2. For vertical alignment of exposed head joints, do not vary from plumb by more than 1/4 inch (6.35 mm) in 10 feet (304.8 cm), or 1/2 inch (12.7 mm)
		 maximum. 3. For conspicuous horizontal lines, such as lintels, sills, parapets, and reveals, do not yony from lovel by more than 1/8 inch (3, 18 mm) in 10 feet (304.8)
		cm), 1/4 inch (6.35 mm) in 20 feet (609.6 cm), or 1/2 inch (12.7 mm) maximum.
		 For exposed bed joints, do not vary from thickness indicated by more than plus or minus 1/8 inch (3.18 mm), with a maximum thickness limited to 1/2 inch (12.7 mm). Do not vary from bed-joint thickness of adjacent courses by
		 more than 1/8 inch (3.18 mm). 5. For exposed head joints, do not vary from thickness indicated by more than
		plus or minus 1/8 inch (3.18 mm). Do not vary from adjacent bed-joint and head-joint thicknesses by more than 1/8 inch (3.18 mm). 6. For faces of adjacent exposed masonry units, do not vary from flush
		alignment by more than 1/16 inch (1.59 mm) except due to warpage of masonry units within tolerances specified for warpage of units.
		7. For exposed bed joints and head joints of stacked bond, do not vary from a straight line by more than 1/16 inch (1.59 mm) from one masonry unit to the next.
	3.03 MC	DRTAR BEDDING AND JOINTING
		 With face shells fully bedded in mortar and with head joints of depth equal to bed joints.
		 With webs fully bedded in mortar in grouted masonry, including starting course on footings. With entire units, including areas under cells, fully bedded in mortar at
В	3.04 RE	starting course on footings where cells are not grouted. INFORCED UNIT MASONRY INSTALLATION
	A.	Temporary Formwork and Shores: Construct formwork and shores as needed to support reinforced masonry elements during construction.
	В.	Placing Reinforcement: Comply with requirements in ACI 530.1/ASCE 6/TMS 602.
	C.	 Grouting: Do not place grout until entire height of masonry to be grouted has attained enough strength to resist grout pressure. Comply with requirements in ACI 530.1/ASCE 6/TMS 602, for cleanouts with
		requirements in ACI 530.1/ASCE 6/TMS 602 and for grout placement, including minimum grout space and maximum pour height.
	3.05 RE	2. Limit neight of vertical grout pours to not more than 48 inches (1219.2 mm)
	А.	Remove and replace masonry units that are loose, chipped, broken, stained, etched due to cleaning methods employed or otherwise damaged or that do not match adjoining units as determined by the Architect. Install new units to match
		adjoining units; install in fresh mortar (color matched), pointed to eliminate evidence of replacement.
	В.	Pointing: During the tooling of joints, enlarge voids and holes, except weep holes, and completely fill with mortar. Point up joints, including corners, openings, and adjacent construction, to provide a neat, uniform appearance. Prepare joints for
	C.	sealant application, where indicated. In-Progress Cleaning: Clean unit masonry as work progresses by dry brushing to remove mortar fins and smears before tooling joints. Spray pressure washing
	D.	which damages CMU is not acceptable. Final Cleaning: After mortar is thoroughly set and cured, clean exposed masonry
		as tollows: Do not use methods that visually etch or otherwise damage CMU or mortar. 1. Remove large mortar particles by hand with wooden paddles and
		nonmetallic scrape hoes or chisels. 2. Use of a concentrated, general-purpose acidic cleaner that improves the
A		should remove concrete splashes, excess mortar, mud, retarders, heavy efflorescence, rust and surface soiling from textured custom masonry
		 Surfaces. Before applying, read the manufacturer's recommendation for cleaning. Refer to test area results for recommended dilution for intended use.
	3.06 MA A	SONRY WASTE DISPOSAL Salvageable Materials: Unless otherwise indicated. excess masonry materials
		are Contractor's property. At completion of unit masonry work, remove from Project site.
	В.	Excess Masonry Waste: Remove excess clean masonry waste that cannot be used as fill, as described above, and other masonry waste, and legally dispose of off Owner's property.

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BID/PERMIT SET

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<u>GENERAL</u>

1. Code: I.B.C 2021

- 2. Notes: Notes apply to all drawings unless noted otherwise.
- 3. Desi

ign	Criteria:	
	Occupancy Cat. Importance Factor Seismic Design Ca Ss = 1.51 S1 - 0.50 Fa = 1.00 Fv = 1.50 R = 5.0 Sp Cs =	 s= 1.0 (Snow) 1.0 (Seismic) t D (S1 < 0.75) Sds = 1.01 Sd1 = 0.50 ecial Masonry SW 0.2015 (ULT)
	Wind Speed	115 mph Ultimate, Exposure C
	Roof Snow Load= Live Load= Dead Load=	30 psf + Drift (includes I=1.0) 20 psf 15 psf + Mech Units
	Floor Live Load = Dead Load =	100 PSF 40 psf (@ 4" SLAB)
	Soil Bearing Press Soil Site Class	ure 1500 psf on Native Soil (ASSUMED - CONTRACTOR TO VERIFY) "D" (ASSUMED)

4. Coordination: Check with conditions at the job site and with all other subcontractors.

5. Details: Details, sections, and notes as shown on the drawings are intended to be typical and shall apply to all similar situations elsewhere unless noted otherwise.

FOUNDATION

- 1. No Soils Report has been prepared for this project. If and report becomes available, all recommendations within shall be strictly followed.
- 2. All footings shall be supported on natural undisturbed earth granular fill, or properly installed compacted structural fill, per a project Soils Report. Unless noted otherwise in a project Soils Report, removed top 12" minimum of topsoil and vegetation from building site.
- 3. Unless noted otherwise in the soils report, all interior slabs on grade shall be supported on 6" of clean $\frac{1}{4}$ " minus material, over undisturbed native soils, or properly placed and compacted structural fill.
- 4. Structural fill: refer to a project Soils Report for all fill properties and requirements. Fill shall be placed in 8" maximum loose lifts and compacted to 95% of Modified Proctor.
- 5. Frost protection: All exterior footings shall be placed a minimum of 30" below finish grade.
- 6. Center all footings under walls, columns or grid lines unless noted otherwise on plans.
- 7. The Contractor is responsive to verify the existing subsoils are capable of support superimposed loading of 1500 psf with negligible settlement. The Contractor is responsible to improve subsoils as required to achieve the 1500 psf bearing capacity.

REINFORCING STEEL

1. Grade: ASTM A615, Grade 60.

- 2. Dowel and lap lengths: Provide 48 bar diameters minimum for concrete, and 64 bar diameters for masonry.
- 3. Detailing and fabrication: Reference "American Concrete Institute" (ACI 318-19).
- 4. Field bending: Reinforcing steel shall not be bent or straightened in a manner
- injurious to the concrete or steel. 5. Welded wire fabric shall conform to ASTM A185 and shall be lapped one full mesh

at side and end splices and wired together.

6. Embedments and dowels are to be securely tied to formwork or adjacent reinforcement prior to concrete placement.

<u>EPOXY</u>

- 1. All epoxy shall be Simpson brand or equivalent Hilti brand. The following systems shall be used: a. Hollow CMU - Simpson SET-XP with screen tubes, or equivalent Hilti system.
- b. Concrete or grouted masonry Simpson SET—XP, or equivalent Hilti system.
- 2. Install all epoxied anchors per manufacturer's instructions and recommendations.
- 3. All holes shall be sized properly and cleaned thoroughly prior to placement of epoxy adhesive.

<u>CONCRETE</u>

1. Concrete Density: Normal Weight Concrete – approximately 145 pcf.

2. Strength, Exposure, Propert

GUNITE

Location Footings Interior Slabs Exterior Slabs on Foundation Walls & All other site cast

3. Control & Construction Joints: By Contractor. Contractor shall be responsible for timing, locating, and spacing all joints. Joints shall be placed to minimize uncontrolled cracking of slabs. Control joints shall not be placed in suspended slabs.

4. Slabs: Slabs are to be placed in as large of sections as possible. Where construction joints are necessary, provide bulkhead shear keyways and reinforcing dowels as required to maintain full section capacity. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. Control joints in slabs on grade shall be completed within 12 hours of concrete placement. Control joints in slabs on grade may be installed by saw cut or tooled joints a depth of 1/4 the thickness of the slab. All exterior flatwork (concrete) shall be treated with lithium based admixture during ready mixing, to prevent aggregate reactivity.

THICKNESS
6"——Wall
8"Wall
12"——Wall
16"——Wall
20"——Wall

6. Provide corner bars at intersecting wall corners using the same size and spacing as horizontal wall reinforcing. Dowel vertical reinforcing to the footing or structure below with the same size and spacing as wall, column, or pier reinforcing above. Footing dowels shall terminate with a 90 degree standard hook.

7. Concrete protection for reinforcing steel: SEE SCHEDULE ON S-001

8. Slab Reinforcing: Reinforcing steel shall be adequately supported on precast concrete units or chairs, to keep the reinforcing to the heights specified or indicated. Lifting the reinforcing during placement will not be permitted.

for slab placement.

11. Submittals: Submit the following:

13. Mixing: per ACI recommendations

15. Items to be embedded in concrete are to be securely tied in place prior to placing concrete. Repositioning of embedded items after concrete has been placed will not be permitted.

16. Do not add water to concrete during delivery, at project site, or during placement without prior approval from engineer.

17. Concrete shall be conveyed from mixer to place of final deposit by methods that will prevent separation or loss of materials. Concrete shall be deposited as nearly as practical in its final position to avoid segregation due to rehandling or flowing. After placement has started, it shall be carried on as a continuous operation. Concrete that has partially hardened or been contaminated by foreign materials shall not be deposited in the structure.

18. All concrete shall be consolidated by a mechanical vibrator. Vibrator shall be inserted vertically at a medium pace and retracted immediately. Do not use vibrator to transport concrete.

19. Concrete shall be maintained above 50 degrees F, and in a moist condition for at least 7 days after placement. Accelerated schedules are permissible provided an accelerated curing plan is provided to and approved by Architect/ Engineer.

20. Shoring and bracing shall remain in place until concrete has obtained full design strength.

21. Concrete protection shall be provided if hot/cold weather conditions are present during placement of concrete.

GENERAL STRUCTURAL NOTES

ties:	Minimum	ultimate 28-da	ay compressive stre	ength:	
		Strength	Exposure Class	Max W/C	% air
		3000 psi	FO	0.5	1-2%
		4000 psi	FO	0.45	1-2%
Grade	è	4500 psi	F3	0.45	6-7%
& Pier	rs	4500 psi	F1	0.45	4.5-6%
t cond	crete	4500 psi	F1	0.45	4.5-6%
		4500 PSI	F1	0.45	4.5%

5. Cast-in-place all reinforcing: Unless noted otherwise on the drawings, reinforce all concrete wall as follows:

HUNIZUNTAL	VENTIOAL
SEE SCHEDULE ON S-003	SEE SCHEDULE ON S-003
"	"
"	"
"	"
"	"

9. Suspended Slabs: Follow all provisions of current ACI 117, 301, 302, and related references

10. Openings: Unless otherwise notes on the drawings, reinforce around all sides of openings with (2) #5 bars, extending 48" beyond the corners. Bars shall be within 4" of edges of openings.

a. Design mixtures shall be submitted in accordance with ACI 318-14 section 5.3. submittals shall contain 30 consecutive tests minimum. If 30 consecutive tests can not be provided test records shall be provided showing the average compressive strength is equal to 1200 psi greater than the design strength. Submittals that are not prepared as stated above or in ACI 318-14 will be rejected.

b. Steel reinforcement shop drawings

12. Reinforcement shall be clean of ice and other deleterious coatings.

14. All debris and ice shall be removed from spaces to be occupied by concrete

MASONRY

1. Concrete Masonry Units: Medium Weight Grade N, Type I (f'm = 1500 psi). Quartet Units: Minimum Compressive Strength= 4000 psi (f'm = 1500psi for design purposes. f'm shall be verified by the prism test method, with (3) prisms being prepared and tested at the beginning of masonry construction, and one set of 3(3) prisms every 5000 square feet of wall.

2. Mortar: Only type "S" mortar consisting of portland cement, lime, and aggregate shall be used. Provide 1800 psi minimum compressive strength.

3. Grout: 2000 psi minimum strength at 28 days. (f'm = 1500)

4. Placement: All units shall be laid with full mortar beds. All head joints shall be filled solidly with mortar for a distance in from the face of the units not less than the thickness of the longitudinal face shells. At the time of laying, all masonry units shall be free of excessive dirt and debris

5. Wall reinforcing: Unless noted otherwise on the drawings, reinforce all masonry walls as follows:

See Schedule on S-003

Vertical reinforcing steel shall be doweled to footing or structure below and to structure above with same dowel size and spacing as vertical wall steel. Horizontal reinforcement shall be continuous at all intersecting walls and at all corners. All corners and end of walls shall have vertical reinforcement in grouted cells.

6. Openings in masonry: Unless otherwise indicated on the drawings, for 8" walls provide (2) #4 bars ((2) #5 for 12" walls) in grouted space around each side of all openings which exceed 24 inches in any one direction. Bars shall extend 24 inches beyond the corners of the openings.

7. Masonry beams: All masonry beams shall be grouted solid unless noted otherwise on drawings. Masonry beams shall have no penetrations without permission of engineer.

8. Grouting: All cells containing reinforcement shall be filled solidly with grout. Grout shall be a workable mix suitable for pumping without segregation and shall be thoroughly mixed. Grout shall be consolidated by mechanical vibration immediately after placement, and re-vibrated after excess moisture has been absorbed into the masonry units, but before workability is lost. "Puddling" of vertical reinforcement is not permitted. The grouting of any section of a wall shall be completed in one day with no interruptions greater than one hour. When grouting is stopped for one hour or longer, horizontal construction joints shall be formed by stopping the pour of grout 1-1/2 inch above or below a bed joint.

9. Clearances: Vertical cells to be filled shall have vertical alignment sufficient to maintain a clear, unobstructed continuous vertical cell measuring not less than 2 inches by 3 inches. All reinforcing bars shall be held in position at the top, bottom, and at intervals not farther apart then 192 bar diameters.

10. All reinforcing steel shall be tied in place prior to grouting. All vertical reinforcing steel shall be secured in place at the top and bottom with tie wire or approved positioners. Laps in horizontal steel shall be tied and secured in place. "Wet-sticking" of reinforcing is not permitted.

11. Embedded items: Grout solid around all embedded steel bolts, studs, joists, and beams

12. Control joint locations shall be the responsibility of the Masonry Contractor, and shall be located to minimize shrinkage cracking. Joints shall not be located within 24" of window or door openings. Continue all horizontal reinforcing through control joints.



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PROJECT #: 823278

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SPECIAL INSTRUCTION

1. The project specifications are not superseded by the General Structural Notes but are intended to be complementary to them. Consult the specification for additional requirements in each section. Notes and details on the drawings shall take precedence over General Structural Notes and typical details.

2. All omissions or conflicts between the various elements of the working drawings and/or specifications shall be brought to the attention of the Architect and Structural Engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the Architect without additional cost to the owner.

3. "STRUCTURAL OBSERVATION PROGRAM" - The Engineer shall be notified forty-eight hours prior to each of the following items. A final STRUCTURAL OBSERVATION REPORT shall be submitted to the Building Official upon completion of the structural systems. This report shall note any identified deficiencies that have not been corrected. STRUCTURAL OBSERVATION for Seismic and Wind by the Engineer, or his representatives, is required for the following:

- a. Placing concrete in any footing.
- b. Closing any concrete wall or column forms. c. Placing concrete in suspended slabs/beams.
- d. Completion of Diaphraam fastening.
- f. Completion of structural field welding. e. Grouting of Structural Masonry.

Observation visits to the site by the Engineer's field representatives shall not be construed as inspection, Special Inspection, or approval of construction.

4. Shoring and Bracing Requirements:

a. Roof Structures - The CONTRACTOR is solely responsible for the means, methods, and sequence of all structural erection and bracing. He shall provide temporary shoring and bracing as his method of erection requires to provide adequate vertical and lateral support. Shoring and bracing shall remain in place as the chosen method requires until all permanent members are in place and all final connections are completed, including all roof attachments. The building shall not be considered stable until all connections and diaphragms are complete.

b. Walls above grade shall be braced until the structural system is complete. Walls shall not be considered to be self supporting.

5. Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference. These drawings must bear the appropriate review stamps. The shop drawing review shall not relieve the contractor of the responsibility of completing the project according to the contract documents. The CONTRACTOR shall review and mark all shop drawings prior to submitting them to the Architect for his review. Shop Drawings made from reproductions of (these) contract drawings will be rejected. Review of shop drawings is for general compliance only and is not intended for approval. The shop drawings review shall not relieve the contractor from the responsibility of completing the project according to the contract documents

6. Reproduction of these contract documents for use as shop drawings will not be permitted and will be rejected.

7. The Contractor shall coordinate with all other trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc. Sizes and locations of mechanical and other equipment that differ from those shown on the contract drawings shall be reported to the architect / engineer.

8. Project Coordination: It shall be the responsibility of the CONTRACTOR to coordinate with all trades any and all items that are to be integrated into the structural system. Openings or penetrations through, or attachments to the structural system that are not indicated on these drawings shall be the responsibility of the CONTRACTOR and shall be coordinated with the Architect/Engineers. The order of construction is the responsibility of the CONTRACTOR. It is the contractor's obligation to provide all items necessary for his chosen procedure.

9. Contractor shall field verify all dimensions, and conditions. If the contract drawings do not represent actual conditions, contractor shall notify Architect/Engineer prior to fabrication or construction within that area.

ONCRETE PROTECTION FOR REINFORCEMENT					
APPLICATION	MINIMUM CLEAR COVER				
1. ALL APPLICATIONS EXCEPT SLABS ON GRADE	3"				
2. SLABS ON GRADE - CLEAR DISTANCE FROM TOP OF SLAB	1"				
1. NO. 6 BARS AND LARGER	2"				
2. NO. 5 BARS AND SMALLER	2"				
1. SLABS, WALLS, JOISTS	2"				
2. BEAM OR COLUMN TIES, STIRRUPS, OR PRIMARY REINFORCEMENT	2"				
1. TOLERANCE FOR CONCRETE COVER AND REINFORCEMENT LOCATION	IS ±3/8"				

SPECIAL INSPECTIONS & TESTING

1. SPECIAL INSPECTIONS

The owner shall provide special inspection as required by the IBC 2018 Building Code Chapter 17. Special inspectors are to observe work for conformance with the contract documents. All discrepancies shall be brought to the attention of the contractor for correction. Inspection reports are to be provided by the special inspector to the owner, the building official, the architect, the engineer, and the contractor. Special inspector shall provide an inspection schedule for approval, prior to start of inspections. The following work requires special inspection:

> 2. Concrete placement 4. Fill Installation 5. Structural Masonry 6. Epoxy anchorages

-7. Exterior wall panels and their anchorage

<u>-9. Structural Wood</u>

2. QUALIFICATION OF SPECIAL INSPECTOR

interest so that objectivity can be confirmed.

periodically calibrated.

tests and/or inspections.

d. The special inspector shall keep records of inspections. The special inspector shall furnish inspection reports to the architect, engineer, contractor and building official. Any discrepancies that occur shall be brought to the attention of the architect, engineer, contractor and building official prior to the completion of that phase of work.

3. Designated wind and seismic resisting systems subject to special inspection in accordance with IBC Section 1705.11. All items with this designation require 100% special inspection of the assembly, IN ADDITION TO ALL OTHER SPECIAL INSPECTIONS THAT MAY BE REQUIRED FOR INDIVIDUAL ITEMS WITH THE ASSEMBLY. Such items are noted on the structural drawings or details with a circled ("S")

load resisting systems.

STRUCTURALS	STEEL S	SPECIA	L INSPE	CTION	S	CHEDULE
ESTA	ABLISHED P	ER 2018 IB	C SECTION	S 1705.2.1		
INSPECTION TASKS PRIOR TO WELDING (TABLE N5.4-1)	FABRIC QUALITY CONTINUOUS	CATOR CONTROL PERIODIC	SPECIAL IN QUALITY AS	ISPECTOR SSURANCE PERIODIC		
WELDING PROCEDURE SPECIFICATION (WPSs) AVAILABLE					1.	PERIODIC - OBSERVE T
MANUFACTURER CERTIFICATION FOR WELDING CONSUMABLES AVAILABLE	•		•		2.	CONTINUOUS – PERFOR
MATERIAL IDENTIFICATION (TYPE / GRADE)		•		•	3. 4.	QUALITY CONTROL (QC) QUALITY ASSURANCE (C
WELDER IDENTIFICATION SYSTEM ¹		•		•		PURCHASER, OWNER, OF
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)	-					(NDT) SHALL BE PERFO ASSURANCE, EXCEPT AS
* JOINT PREPARATION	-				5.	QC AND QA INSPECTOR CHAPTER N4.
* DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	-	•		•	6.	NONDESTRUCTIVE TESTIN AISC 360-10 CHAPTER
* CLEANLINESS (CONDITION OF STEEL SURFACES)					7.	NONDESTRUCTIVE TESTIN CHAPTER N5g AND b
* PACKING (TACK WELD QUALITY AND EUCATION)					8.	OBSERVATION OF WELDI AND COMPLETED WELDS
					-	MATERIALS, PROCEDURE CONSTRUCTION DOCUME
FIT-UP OF FILLET WELDS		•		•		D1.1M STRUCTURAL WEL SHALL APPLY.
* DIMENSIONS (ALIGNMENT, GAPS AT ROOT)		•		•	9.	THERMALLY CUT SURFA
* CLEANLINESS (CONDITION OF STEEL SURFACES)		•		•		SHAPES, OR WHEN THE
* TACKING (TACK WELD QUALITY AND LOCATION)	1				10	LOCATION. WHEN REQUIRED BY AD
CHECK WELDING EQUIPMENT] '0.	SOUNDNESS TO BE EST
1. THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELD WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED SHALL BE THE LOW-STRE	ER WHO HAS SS TYPE.				11.	PROHIBITED. REDUCTION OF RATE OF PERMITTED TO BE REDU
INSPECTION TASKS DURING WELDING (TABLE N5.4-2)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC	12.	FOR STRUCTURES IN RIS THE NDT RATE FOR AN
USE OF QUALIFIED WELDERS						CONTAINING UNACCEPTA
CONTROL AND HANDLING OF WELDING CONSUMABLES						OPERATOR. A SAMPLIN
		•		•		FOR THE WELDER OR W
NO WEI DING OVER CRACKED TACK WEI DS		•		•		RETURNED TO 10%. FO
		•		•		LESS, EACH 12 IN. (300
* WIND SPEED WITHIN LIMITS		•		•		WELDS OVER 3 FT (1M)
* PRECIPITATION AND TEMPERATURE		_		_		THAN 1IN. (25mm), EAG BE CONSIDERED ONE W
WPS FOLLOWED					13.	ALL NDT PERFORMED SI REPORT SHALL IDENTIFY
* SETTINGS ON WELDING EQUIPMENT						PIECE. FOR FILED WOR
* TRAVEL SPEED						WELD IS REJECTED ON LOCATION OF THE DEFE
* SELECTED WELDING MATERIALS		•		•	14.	DEMAND CRITICAL WELD WELDING METHODS, PRC
* SHIELDING GAS TYPE / FLOW RATE		•		•		a. ARC STRIKES, GOU
* PREHEAT APPLIED	-					b. PREHEAT AND INTI
* INTERPASS TEMPERATURE MAINTAINED (MIN. / MAX.)						c. UN-REPAIRED CRA THE JOINT_AREA.
WELDING TECHNIQUES						d. USE ELECTRODES GREATER THAN 20
* INTERPASS AND FINAL CLEANING	-					CLASSIFICATION TE USING TEST PROCE
* EACH PASS WITHIN PROFILE LIMITATIONS		•		•		ACCEPTABLE ELEC
* EACH PASS MEETS QUALITY REQUIREMENTS						
INSPECTION TASKS AFTER WELDING (TABLE N5.4-3)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC		
WELDS CLEANED					1	
SIZE, LENGTH AND LOCATION OF WELDS						
WELDS MEET VISUAL ACCEPTANCE CRITERIA						
* CRACK PROHIBITION						
^ WELD / BASE METAL FUSION						
* WELD PROFILES						
* WELD SIZE						
* UNDERCUT	1					
* POROSITY						
ARC STRIKES						
K-AREA ¹						
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)					4	
REPAIR ACTIVITIES					4	
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER 1. WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORME K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75mm) OF THE WEL	D IN THE D.					

STATEMENT OF SPECIAL INSPECTIONS

1. Concrete reinforcing steel & anchor bolts.

-3. Structural steel and welding, including decking and high strength bolts-

-8. Seismic load resisting cold formed steel framing

The inspection agency shall submit qualifications and or certifications to the building official, owner, and/or owners representative to determine that the agency meets the applicable requirements. a. The agency shall be objective and competent. The agency shall also disclose possible conflicts of

b. The agency shall have adequate equipment to perform required tests. The equipment shall be

c. The agency shall employ experienced personnel educated in conducting, supervising and evaluating

4. In accordance with IBC Section 1704.4, the Contractor shall submit a written statement of responsibility to the Building Official and Owner, prior to construction of any part of the wind/seismic

> NOTES E THESE ITEMS ON A RANDOM BASIS. OPERATION NEED NOT G THESE INSPECTIONS. ORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER. 2C) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR. (QA) SHALL BE PROVIDED BY OTHERS WHEN REQUIRED BY ING JURISDICTION (AHJ), APPLICABLE BUILDING CODE (ABC), OR ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTING FORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY AS PERMITTED IN ACCORDANCE WITH SECTION N7. TORS SHALL BE QUALIFIED IN ACCORDANCE WITH AISC 360-10 TING PERSONNEL SHALL BE QUALIFIED IN ACCORDANCE WITH TING OF WELDED JOINTS SHALL COMPLY WITH AISC 360-10 . DING OPERATIONS AND VISUAL INSPECTION OF IN-PROCESS DS SHALL BE THE PRIMARY METHOD TO CONFIRM THAT THE RES AND WORKMANSHIP ARE IN CONFORMANCE WITH THE WENTS. FOR STRUCTURAL STEEL, ALL PROVISIONS OF AWS WELDING CODE - STEEL FOR STATICALLY LOADED STRUCTURES RFACES OF ACCESS HOLES SHALL BE TESTED BY QA USING MT LANGE THICKNESS EXCEEDS 2 IN. (50mm) FOR ROLLED THE WEB THICKNESS EXCEEDS 2 IIN. (50mm) FOR BUILT-UP X SHALL BE DEEMED UNACCEPTABLE REGARDLESS OF SIZE OR PPENDIX 3, TABLE A-3.1, WELDED JOINTS REQUIRING WELD TABLISHED BY RADIOGRAPHIC OR ULTRASONIC INSPECTION QA AS PRESCRIBED. REDUCTION IN THE RATE OF UT IS OF ULTRASONIC TESTING – THE RATE OF UT IS ONLY DUCED IF APPROVED BY THE E.O.R. AND THE A.H.J. PER AISO EUUCED IF APPROVED BY THE E.O.K. AND THE A.H.J. PER AISC 5e. RISK CATEGORY II, WHERE THE INITIAL RATE FOR UT IS 10%, AN INDIVIDUAL WELDER OR WELDING OPERATOR SHALL BE SHOULD THE REJECT RATE, THE NUMBER OF WELDS PTABLE DEFEOTS DIVIDED BY THE NUMBER OF WELDS S 5% OF THE WELDS TESTED FOR THE WELDER OR WELDING UING OF AT LEAST 20 COMPLETED WELDS FOR A JOB SHALL IMPLEMENTING SUCH AN INCREASE. WHEN THE REJECT RATE R WELDING OPERATOR, AFTER A SAMPLING OF AT LEAST 40 HAS FALLEN TO 5% OR LESS, THE RATE OF UT SHALL BE FOR EVALUATING THE REJECT RATE OF CONTINUOUS WELDS LENGTH WHERE THE EFFECTIVE THROAT IS 11N. (25mm) OR 300mm) INCREMENT OR FRACTION THEREOF SHALL BE ... WELD. FOR EVALUATING THE REJECT RATE ON CONTINUOUS IM) IN LENGTH WHERE THE EFFECTIVE THROAT IS GREATER EACH 6 IN. (150mm) OF LENGTH OR FRACTION THEREOF SHALL WELD. VELD. SHALL BE DOCUMENTED. FOR SHOP FABRICATION, THE NDT Y THE TESTED WELD BY PIECE MARK AND LOCATION IN THE RK, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY JCTURE, PIECE MARK, AND LOCATION IN THE PIECE. WHEN A THE BASIS OF NDT, THE NDT RECORD SHALL INDICATE THE ECT AND THE BASIS OF REJECTION. DS SHALL MEET THE PROVISION FOUND IN AISC 341-10 AND OCEDURES AND QUALITY CONTROL SHALL COMPLY WITH AWS ING: NIG: JUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO L BE REPAIRED OR REMOVED. TER-PASS REQUIREMENTS AS OUTLINED IN SECTION 3.5. RACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN A. S WITH CHARPY V-NOTCH ABSORBED ENERGY EQUAL TO OR 20 FT-LBS AT -20 DEGREES FAHRENHEIT UNDER AWS A5 TEST METHODS, AND 40 FT-LBS AT 70 DEGREES FAHRENHEIT DCEDURES PRESCRIBED IN APPENDIX X OF AISC 358. CTRODES INCLUDE E70TG-K2, E71 T-1.

		E
ITEM	CONTINUOUS ³	PE
RE-FAB CONSTRUCTION (IBC 1704.2)		
ONCRETE CONSTRUCTION (IBC 1704.4)		
REINFORCING STEEL PLACEMENT		
WELDING OF REINFORCING STEEL	•	
EMBEDDED PLATES		
EMBEDDED BOLTS & PLATES	•	
VERIFYING REQUIRED DESIGN MIX		
CONCRETE PLACEMENT / SAMPLING	•	
CURING TEMPERATURE / TECHNIQUES		
VERIFICATION OF IN-SITU STRENGTH		
EPOXY / EXPANSION ANCHOR PLACEMENT	•	
AS MASONRY CONSTRUCTION BEGINS, VERIFY:		
GRADE & SIZE OF TENDONS & ANCHORAGES		
TYPE SIZE & LOCATION OF STRUCTURAL ELEMENTS		
SIZE, CRADE & TYPE OF DEINEODOCEMENT		
CLEAN GROUT SPACE		
PLACEMENT OF REINFORCEMENT CONNECTORS, TENDONS AND ANCHORS		
PROPORTIONS OF SITE PREPARED GROUT		
GROUT PLACEMENT		
PREPARATION OF TEST SPECIMENS / PRISMS	•	
COMPLIANCE WITH CONST. DOCS. / SUBMITTALS		
EPOXY / EXPANSION ANCHOR PLACEMENT		
VERIFICATION OF f'm	-	
OILS (IBC 1705.6)		
EXCAVATIONS EXTEND TO PROPER DEPTH AND		
CLASSIEV & TEST CONTROL ED EILL MATERIALS		
PERFORM MATERIALS, DENSITIES, AND LIFT		
THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	•	
PROPERLY PREPARED SITE AND SUB-GRADE PRIOR TO FILL		
 THE ITEMS MARKED WITH A "●" IN THE SPECIAL AND TESTING REQUIREMENTS REFER TO THE MATE AND INSPECTION REPORTS DIRECTLY TO THE ARCI 	_ INSPECTION SCHI RIAL SAMPLING AN HITECT, ENGINEER.	EDULE ND TE CONT

ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES AR WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF V INSPECTION MEANS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK AT THE COMPLETION OF THE WORK. (IBC SECTION 1702).

STRUCTURAL STEEL SPECIAL INSPECTION SCHEDULE (cont.)							
ESTABLISHED PER 2018 IBC SECTIONS 1705.2.1							
INSPECTION TASKS PRIOR TO BOLTING (TABLE N5.6-1) CONTINUOUS PERIODIC CONTINUOUS PERIODIC NOTES							
MANUFACTURER'S CERTIFICATION AVAILABLE FOR FASTENER MATERIALS					1. PERIODIC - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT		
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS				•	2. CONTINUOUS – PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.		
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH, IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE).		٠		٠	 QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ), APPLICABLE BUILDING CODE (ABC), DURINGED OF DEVIDENCE OF DECODING CODE (CODE). 		
PROPER BOLTING PROCEDURES SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS		•		•	 YUNDESTRUCTIVE TO THE UNITED OF RELOVATION FOR THE ACTION OF THE ACTION THE ACTION OF THE ACTION THE ACTION ACTION ACTION OF THE ACTION ACTION		
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	•		•		IN TABLE N5.6-2 ARE NOT APPLICABLE. THE QCI AND QAII NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS IN SNUG-TIGHT JOINTS. 6. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USED TO THE THEN OF NUT NETLOD WITH MATCH ADDING THE THEN INSTALLER IS		
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS		•		٠	DIRECT-TENSION-INDICATOR METHOD WITH MATCH MARCHING LECHNINGUES, HIL DIRECT-TENSION-INDICATOR METHOD, OR THE TWIST-OFF TYPES TENSION CONTROL METHOD, MONITORING OF BOLT PRETENSION ING PROCEDURE SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE OC I AND OAI NEED NOT BE PRESENT DURING		
INSPECTION TASKS DURING BOLTING (TABLE N5.6-2)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC	THE INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLER. 7. FOR PRE-TENSIONED JOINTS AND SLIP-CRITICAL JOINTS WHEN THE INSTALLER IS FOR PRE-TENSIONED JOINTS AND SLIP-CRITICAL JOINTS WHEN THE INSTALLER IS		
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED				•	USING THE CALIBRATED WIKENCH METHOU OK THE TURN-UT-NUT METHOU WITHOUT MATCH MARKING, MONITORING OF PRETENSION PROCEDURES SHALL BE SPECIFIED IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED IN THEIR ASSIGNED INSPECTION DITHES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS		
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRE-TENSIONING OPERATION		•		•	ARE USED BY THE INSTALLER. 8. OBSERVATION OF BOLTING OPERATIONS SHALL BE THE PRIMARY METHOD USED TO CONFIRM THAT THE MATERIALS PROCEDURES AND WORKMANSHIP INCORPORATED IN		
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING		•		٠	CONSTRUCTION ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND THE PROVISIONS OF THE RCSC SPECIFICATION.		
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES		•		•			
INSPECTION TASKS AFTER BOLTING (TABLE N5.6-3)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC			
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS							
INSPECTION OF STEEL ELEMENTS OF COMPOSITE BEAMS	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC	NOTES		
PLACEMENT AND INSTALLATION OF STEEL DECK					1. 0 - OBSERVE THESE ITEMS ON RANDOM BASIS. OPERATIONS NEED NOT BE		
PLACEMENT AND INSTALLATION OF STEEL STUD ANCHORS	•	 			2. P - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.		
DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS					 QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ), APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNER, OR ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTING (NDT) SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION N7. FOR THOSE ITEMS FOR QUALITY CONTROL (QC) THAT CONTAIN AN OBSERVE 		
					 DESIGNATION, THE QC INSPECTION SHALL BE PERFORMED BY THE ERECTOR'S QUALITY CONTROL INSPECTOR (QCI). FOR WELDING OF STEEL HEADED STUD ANCHORS, THE PROVISIONS OF AWS D1.1 / D1.1M, APPLY. FOR WELDING OF STEEL DECK, OBSERVATION OF WELDING OPERATIONS AND VISUAL INSPECTION OF IN-PROCESS AND COMPLETED WELDS SHALL BE THE PRIMARY METHOD TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. ALL APPLICABLE PROVISIONS OF AWS D1.3 / D1.3M, STRUCTURAL WELDING CODE - SHEET STEEL, SHALL APPLY, DECK WELDING INSPECTION SHALL INCLUDE VERIFICATION OF THE WELDING CONSUMABLES, WELDING PROCEDURE SPECIFICATIONS AND QUALIFICATIONS OF WELDING PROSONNEL PRIOR TO THE START OF THE WORK, OBSERVATIONS OF THE WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL COMPLETED WELDS, FOR STEEL DECK ATTACHED BY FASTENING SYSTEMS OTHER THAN WELDING, INSPECTION SHALL INCLUDE VERIFICATION OF THE WORK IN PROGRESS TO CONFIRM INSTALLATION IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, AND A VISUAL INSPECTION OF THE COMPLETED INSTALLATION. 		
	VERAL STEEL	SPECIAL IN:	SPECTION NC	DTES:	 DESIGNATION, THE QC INSPECTION SHALL BE PERFORMED BY THE ERECTOR'S QUALITY CONTROL INSPECTOR (QCI). 6. FOR WELDING OF STEEL HEADED STUD ANCHORS, THE PROVISIONS OF AWS D1.1 / D1.1M, APPLY. 7. FOR WELDING OF STEEL DECK, OBSERVATION OF WELDING OPERATIONS AND VISUAL INSPECTION OF IN-PROCESS AND COMPLETED WELDS SHALL BE THE PRIMARY METHOD TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. ALL APPLICABLE PROVISIONS OF AWS D1.3 / D1.3M, STRUCTURAL WELDING CODE - SHEET STEEL, SHALL APPLY. DECK WELDING INSPECTION SHALL INCLUDE VERIFICATIONS OF WELDING PROSONNEL PRIOR TO THE START OF THE WORK, OBSERVATIONS OF THE WORK IN PROCRESS, AND A VISUAL INSPECTION OF ALL COMPLETED WELDS. FOR STEEL DECK ATTACHED BY FASTENING SYSTEMS OTHER THAN WELDING, INSPECTION SHALL INCLUDE VERIFICATIONS OF THE WORK IN PROCRESS, AND A VISUAL INSPECTION OF ALL COMPLETED WELDS. FOR STEEL DECK ATTACHED BY FASTENING SYSTEMS OTHER THAN WELDING, INSPECTION SHALL INCLUDE VERIFICATIONS OF THE WORK IN PROCRESS AND A VISUAL INSPECTION OF ALL COMPLETED WELDS. FOR STEEL DECK ATTACHED BY FASTENING SYSTEMS OTHER THAN WELDING, INSPECTION SHALL INCLUDE VERIFICATION OF THE WORK IN PROGRESS TO CONFIRM INSTALLATION IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, AND A VISUAL INSPECTION OF THE COMPLETED INSTALLATION. 		

DDC*//INCLUSION REFERENCE CLAMMENT S REFERENCE NOTE S 11 A P2 F. SPECIAL INSPECTION IS NOT REQUERY INFORM SPECIAL INSPECTION INFORMATION CONCERNST THE APPORT AND CONCERNST THE APPORTANCE APPORT AND CONCERNST THE APPORT							
SEE IBG TABLE 1744 - REF. NOTE C1 01. SPECIAL ISSPECTION IS NOT REQUERE PAR CONC. (SIGLATES SPECIAL MORE TO REQUERE INTO BALL AND ADDRESS ON THROUGH PARADRA MORE TO REAL		REFERENCE NOTES P1 & P2	P1. SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION, PROVIDED THE FABRICATOR COMPLIES WITH IBC. P2. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. SPECIAL INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHED EVIDENCE OF COMPLIANCE. (SEE NOTE 2).				
C2 PEDDOLS SECULI, INSECTORI, S.LLOWED FOR VERIFICATION, G.T. HEURINGOULD SEEL RESISTING LOUNDAL ADALARY COCKES IN MILEMENT & ANY BREAK DOWNER TRANS, BOARDANGLING OF RELEASES THE LEARNEST IN LOUNDAL ADALARY COCKES IN MILEMENT & ANY BREAK DOWNER TRANS, BOARDANGLING OF RELEASES THE LEARNEST IN LOUNDAL ADALARY COCKES IN MILEMENT & ANY BREAK DOWNER TRANS, BOARDANGLING OF RELEASES THE LEARNEST IN LOUNDAL ADALARY COCKES IN MILEMENT & ANY BREAK DOWNER TRANS, BOARDANGLING OF RELEASES THE LEARNEST IN LOUNDAL ADALARY COCKES IN MILEMENT & ANY BREAK DOWNER & A		SEE IBC TABLE 1744 - REF. NOTE C1	C1. SPECIAL INSPECTION IS NOT REQUIRED FOR CONC. ISOLATED SPREAD FOOTINGS, CONTINUOUS FOOTINGS, NON-STRUCTURAL SLABS, FOUNDATION WALLS, PATIOS, DRIVEWAYS, AND SIDEWALKS PROVIDED THE REQUIREMENTS OF IBC 1704.4 ARE MET.				
Contract Parameter Parameter of Parameter and Paramet)))	REFERENCE NOTE C2	C2. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A 706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE. C3. PERFORM AIR, SLUMP AND TEMP. TESTES WHEN CONCRETE SAMPLES ARE CAST. C3. PERFORM AIR, SLUMP AND TEMP. TESTES WHEN CONCRETE SAMPLES ARE CAST. C3. PERFORM AIR, SLUMP AND TEMP. TESTES WHEN CONCRETE SAMPLES ARE CAST. C3. PERFORM AIR, SLUMP AND TEMP. TESTES WHEN CONCRETE SAMPLES ARE CAST. C3. PERFORM AIR, SLUMP AND TEMP.				
REFERENCE NOTE CS BEE IBC TABLE 1704.5.1 (NON-ESSENTIAL) H PRODUC SPECIAL INSPECTION IS ALLOWED FOR VERPICATION OF THE WELDABILITY OF REINFORCING STEEL OTHERITING: ASTIMATION IN ACCORDANCE WITH ANAL JANS DI A. CONTINUOUS SPECIAL INSPECTION IS EQUIRED FOR REINFORCING SPECIAL REINFORCEMENT AND SHARE REPORT IN OWNER FOR MOUSE OWNER FEEL AND SHARE REPORT IN OWNER FEE) 	REFERENCE NOTE C3	C3. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR VERIFICIATION OF IN-SITE CONCRETE STRENGTH FOR POST-TENSIONED CONCRETE PRIOR TO TENSIONING TENDONS OR REMOVING SHORING OR FORMS. C5. EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT. AND /OR CONTINUOUS/PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT.				
SEE IBC TABLE 1704.5.1 (NON-ESSENTIAL) M1. PERIODIC SPECIAL INSPECTION IS ALLONED OR VERIFICATION OF THE WELDBURTY OF REMERORING SEEL OTHER TABLE Image: Contract Contrant Contract Contract Contract Contract Cont))	REFERENCE NOTE C5	_				
REFERENCE NOTE M2 REFERENCE NOTE M1 REFERENCE NOTE M1 REFERENCE NOTE M2 REFERENCE NOTE M2 REFERENCE NOTE M2 REFERENCE NOTE M3 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F2 REFERENCE NOTE F1 REFERENCE NOTE F2 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F2 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F1))))	SEE IBC TABLE 1704.5.1 (NON-ESSENTIAL)	M1. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706 IN ACCORDANCE WITH ANSI / AWS D1.4. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE. M2. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR ESSENTIAL FACILITIES (IBC TABLE 1704.5.3). M3. EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT AND / OR ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS. COORDINATE CONTINUOUS / PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT.				
REFERENCE NOTE M1 REFERENCE NOTE M2 REFERENCE NOTE M2 REFERENCE NOTE M2 REFERENCE NOTE M3 REFERENCE NOTE F1 REFERENCE NOTE F2 REFERENCE NOTE F1 REFERENCE NOTE F2 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F2 REFERENCE NOTE F1)))	REFERENCE NOTE M2					
REFERENCE NOTE M2 Image: Second Sec		REFERENCE NOTE M1					
REFERENCE NOTE M3 REFERENCE NOTE F1 F1. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED SOILS REPORT TO DETERMINE COMPLIANCE. F2. WHERE SOILS REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D 1557. REFERENCE NOTE F2 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F2 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F1))))	REFERENCE NOTE M2					
REFERENCE NOTE F1 F1. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED SOILS REPORT TO DETERMINE COMPLIANCE. REFERENCE NOTE F1 F2. WHERE SOILS REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPLACE DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D 1557. REFERENCE NOTE F2 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F1 REFERENCE NOTE F1)))	REFERENCE NOTE M3					
REFERENCE NOTE F2 REFERENCE NOTE F1 REFERENCE NOTE F1)	REFERENCE NOTE F1 REFERENCE NOTE F1	F1. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED SOILS REPORT TO DETERMINE COMPLIANCE. F2. WHERE SOILS REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM 01 1557.				
REFERENCE NOTE F1 REFERENCE NOTE F1)	REFERENCE NOTE F2					
REFERENCE NOTE F1	-	REFERENCE NOTE F1					
		REFERENCE NOTE F1					



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SPECIAL INSPECTIONS



	MASONRY WALL SCHEDULE							
MARK	THICK.	VERT. REINF.	HORIZ. REINF.	REMARKS				
8	8"	#4 @ 16" O/C centered	(1) #4 @ 16" O/C	2–SETS OF (2) #4 HORIZ @ TOP OF WALL. GROUT WALLS SOLID				
1								

	CONCRETE FOUNDATION WALL SCHEDULE							
WALL	THICKNESS		VERT. REINF.	HORIZ. REINF.		COMMENTS		
NO.	INICKINE33	SIZE	SPACE	SIZE	SPACE	COMMILINIS		
8	8"	#4	18" MAX	#4	12" MAX	CENTER REINF. IN WALL		
L								

CONCRETE FOOTING SCHEDULE												
MARK		DIMENSIONS			CROSSWISE REINFORCEMENT			LENGTHWISE REINFORCEMENT				
NO.	WIDTH	LENGTH	THICKNESS	NO.	SIZE	LENGTH	SPACE	NO.	SIZE	LENGTH	SPACE	COMMENTS
FC-1.5	1'-6"	CONT.	12"	_	_	-	_	(2)	#4	CONT.	EQ.	
FC-2.0	2'-0"	CONT.	12"	_	_	_	_	(3)	#4	CONT.	EQ.	
		3" CIEAR		- 3" C	EQ. Zı Zı LEAR	Δ Δ EQ. Ο Δ Δ	Δ Δ	-EQ		ÆQ.		—3" CLEAR



STRUCTURAL SCHEDULES





ADDITIONAL REQUIREMENTS.

FOOTING & FOUNDATION PLAN NOTES:

1. COORDINATE & VERIFY THIS DRAWING WITH SITE, ELECTRICAL, MECHANICAL, AND ARCHITECTURAL DRAWINGS, PRIOR TO START OF CONSTRUCTION. COORDINATE ALL EXCAVATIONS AND SOIL IMPROVEMENT WITH THE PROJECT SOILS REPORT.

3. REFER TO GENERAL STRUCTURAL NOTES (S-001) & THE PROJECT SPECIFICATIONS FOR

4. REFER TO SCHEDULES ON SHEET S-003 FOR ALL STRUCTURAL SCHEDULES.

5. ALL DETAILS ARE TYPICAL AT ALL APPLICABLE LOCATIONS UNLESS NOTED OTHERWISE.

6. VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.

7. EXTEND HOOKED VERTICAL LAP DOWELS OUT OF TOPS OF FOOTINGS OR FOUNDATION WALLS TO MATCH SIZE, SPACING, AND LAYOUT OR ALL MASONRY WALL AND COLUMN VERTICAL REINFORCING.

8. SPOT FOOTINGS SHALL BE CENTERED BELOW THE SUPPORTED COLUMNS, AND CONTINUOUS FOOTINGS SHALL BE CENTERED BELOW THE SUPPORTED WALLS, EXCEPT WHERE NOTED OTHERWISE.

9. COORDINATE ALL FOOTING DEPTHS AND WIDTHS WITH INTERIOR AND EXTERIOR PIPES, DRAINS, CONDUITS, DUCTS, ETC. THAT MAY INTERFERE. LOWER FOOTINGS IF REQ'D.

10. VAPOR BARRIERS BELOW ALL SLABS PER ARCHITECTURAL PLANS AND SPEC. REFER TO DETAIL (2/S-201) FOR TYPICAL SLAB ON GRADE CONTROL JOINT, AND CONSTRUCTION JOINT DETAIL.





PLAN NOTES:

1. COORDINATE & VERIFY THIS DRAWING WITH ELECTRICAL, MECHANICAL, ARCHITECTURAL, CIVIL/SITE, AND SHOP DRAWINGS PRIOR TO START OF CONSTRUCTION.

2. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN ON THIS DRAWING. 3. REFER TO GENERAL STRUCTURAL NOTES (S-001) & THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

4. REFER TO DETAIL (1/S-201 & 4/S-201) FOR TYPICAL REINFORCEMENT LAP DETAILS.

5. REFER TO SCHEDULES ON SHEET S-003 FOR FOOTING, PIER, COLUMN, & WALL REQUIREMENTS.

6. ALL DETAILS ARE TYPICAL AT ALL APPLICABLE LOCATIONS UNLESS NOTED OTHERWISE.

7. EXTEND VERTICAL REINFORCING LAP DOWELS OUT OF TOPS OF FOOTINGS SUPPORTING MASONRY WALLS & COLUMNS. DOWEL SIZES & SPACING SHALL CORRESPOND W/ VERT. REINF. IN MASONRY WALLS AND COLUMNS. SEE S-101 FOR MASONRY WALL & COLUMN LOCATIONS & DESIGNATIONS.

2. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN ON THIS DRAWING.

	UCSIGII WCSI architects	255 SOUTH 300 WEST LOGAN UT 84321	350 SOUTH 400 EAST SUITE 304 SLC, UT 84111		
CACHE COUNTY FAIRGROUNDS	GENERATOR ENCLOSURE	490 SOUTH 500 WEST	LOGAN, UT 84321	CACHE COUNTY	
MARK: DATE: DESCRIPTION: DESCRIPTION: DLAM	ECT #: N BY:	8	3232	78	
CHEC	KED BY: D:	02 5187 4 5187 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	113/20 2203 ARK 225	D25	

	SYMBOL LEGEND
F*—* **'_**"	FOOTING DESIGNATION, SEE SCHEDULE ON S-003 TOP OF FOOTING ELEVATION
<u>_**</u>	CONCRETE WALL DESIGNATION, SEE SCHEDULE ON S-003
**	MASONRY WALL DESIGNATION, SEE SCHEDULE ON S-003
MB-*	- MASONRY BEAM DESIGNATION, SEE SCHEDULE ON S-003
MC-* **'_**"	MASONRY COLUMN/PIER DESIGNATION, SEE S-003 TOP OF MASONRY PIER ELEVATION WHERE APPLICABLE.

ENCLOSURE

WALL PLANS

FOUNDATION &



S-201 © COPYRIGHT DESIGN WEST ARCHITECTS

SECTION 32 3113 CHAIN LINK FENCES AND GATES	D. POST SETTING: HAND SET TERMINAL AND G
PART 1 GENERAL	FINISH GRADE. SLOPE FROM CONCRETE SPL
1.01 SECTION INCLUDES A. POSTS, RAILS, AND FRAMES.	USING MECHANICAL D PLUMB, ALIGNED, ANI
B. WIRE FABRIC.	FINISHING OPERATION
C. CONCRETE. D. MANUAL GATES WITH RELATED HARDWARE.	POSTS AT CHANGES I
E. ACCESSORIES.	G. INTERMEDIATE RAILS:
1.02 RELATED REQUIREMENTS A. SECTION 03 3000 - CAST-IN-PLACE CONCRETE	USING FITTINGS, SPEC H. CHAIN-LINK FABRIC: P
1.03 REFERENCE STANDARDS	1. POSITION BOTTON
 ACI 301 - SPECIFICATIONS FOR STRUCTURAL CONCRETE; 2016. B. ASTM A123/A123M - STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND 	2. FASTEN FABRIC T MAXIMUM 15 INC
STEEL PRODUCTS; 2017.	 DO NOT STRETCH INSTALL BOTTOM
C. ASTM ATS3/ATS3M - STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE, 2016A.	I. PROVIDE A MINIMUM
D. ASTM A392 - STANDARD SPECIFICATION FOR ZINC-COATED STEEL CHAIN-LINK FENCE FABRIC; 2011A (REAPPROVED 2017).	(10') OF TENSION WIR
E. ASTM C33/C33M - STANDARD SPECIFICATION FOR CONCRETE AGGREGATES; 2016, WITH EDITORIAL REVISION (2016).	J. TENSION BANDS: PRO BANDS FOR 10 FT., 3 I
F. ASTM C150/C150M - STANDARD SPECIFICATION FOR PORTLAND CEMENT; 2017.	K. SET TERMINAL AND G FINISH GRADE. SLOPE
 G. ASTM F567 - STANDARD PRACTICE FOR INSTALLATION OF CHAIN-LINK FENCE; 2014A. H. ASTM F1043 - STANDARD SPECIFICATION FOR STRENGTH AND PROTECTIVE COATINGS ON STEEL INDUSTRIAL 	L. LINE POST FOOTING D
FENCE FRAMEWORK; 2017A.	M. CORNER, GATE AND T N. BRACE EACH GATE AN
FOR FENCE STRUCTURES; 2016.	INSTALL BRACE RAIL
J. CLFMI CLF-PM0610 - PRODUCT MANUAL; 2017.K. CLFMI CLF-SFR0111 - SECURITY FENCING RECOMMENDATIONS; 2014.	P. POSITION BOTTOM OF
1.04 SUBMITTALS	Q. ATTACH FABRIC TO E
 A. PRODUCT DATA: PROVIDE DATA ON FABRIC, POSTS, ACCESSORIES, FITTINGS AND HARDWARE. B. SHOP DRAWINGS: SHOW LOCATIONS. DETAILS. MATERIALS. DIMENSIONS. SIZES. WEIGHTS. FINISHES. 	3.02 TOLERANCES
OPERATIONAL CLEARANCES, AND INSTALLATION OF COMPONENTS. SEE CLFMI CLF-SFR0111 FOR PLANNING AND DESIGN RECOMMENDATIONS.	A. MAXIMUM VARIATION
	B. MAXIMUM OFFSET FRO 3.03 FIELD QUALITY CONTROL
<u>PART 2 PRODUCTS</u> 2.01 materials	A. LAYOUT: VERIFY THA GATE LOCATIONS LIN
A. POSTS, RAILS, AND FRAMES: COMPLY WITH THE FOLLOWING:	B. GATES: INSPECT FOF
 LINE, TERMINAL, CORNER, RAIL, BRACE, AND GATE POSTS: TYPE I ROUND. a. TYPE I ROUND: LG 40 OR SCHEDULE 40 GALVANIZED STEEL PIPE COMPLYING WITH ASTM F1083. 	3.04 CLEANING A CLEAN JOBSITE OF FX
COMPLY WITH ASTM F1043, MATERIAL DESIGN GROUP IA, EXTERNAL AND INTERNAL COATING TYPE A, CONSISTING OF NOT LESS THAN 1.8-OZ./SQ. FT. ZINC; AND LINE, END, CORNER, AND PULL POSTS AND	UNIFORMLY AWAY FR
TOP RAIL PER REQUIREMENTS.	B. CLEAN FENCE WITH M C. REMOVE MORTAR FRO
PROVIDE BRACE RAIL WITH TRUSS ROD ASSEMBLY FOR EACH GATE, END, AND PULL POST. PROVIDE TWO BRACE RAILS EXTENDING IN OPPOSING DIRECTIONS. EACH WITH TRUSS ROD ASSEMBLY FOR EACH	
CORNER POST AND FOR PULL POSTS. PROVIDE RAIL ENDS AND CLAMPS FOR ATTACHING RAILS TO POSTS.	TOUCHED-UP PAINT C
2. COMPLY WITH CLFMI CLF-PM0610.	3.05 CLOSEOUT ACTIVITIES A. DEMONSTRATE PROP
 B. WIRE FABRIC: COMPLY WITH CLFMI'S "PRODUCT MANUAL" : 1. NINE GAUGE CORE, MINIMUM WALL THICKNESS OF .015 INCHES OVER A GALVANIZED SUBSTRATE. THE 	
BASE METAL SHALL HAVE A MINIMUM BREAKING STRENGTH OF FIVE HUNDRED FIFTY POUNDS (550 LBS.) AND A ZINC COAT WEIGHT OF .1503 POUNDS PER SQUARE FOOT OF UN-COATED WIRE SURFACE. TOP AND	
BOTTOM SELVAGE OF THE FABRIC SHALL BE KNUCKLED. 2 ASTM A392 ZINC COATED APPLIED TO STEEL WIRE MESH FABRIC AFTER WEAVING WITH CLASS 1	
1.2-OZ./SQ. FT. MINIMUM COATING WEIGHT.	PART 1 GENERAL
3. THE TENSIONING STRANDS SHALL CONSIST OF ONE-HALF INCH (1/2) DIAMETER, 7-WIRE, STRESS RELIEVED STRANDS, HAVING A GUARANTEED ULTIMATE TENSILE STRENGTH OF 270,000 PSI (270 KIPS). STRANDS SHALL CONFORM TO ASTM 416, CAPLES SHALL BE FARDICATED TO DEODED I ENCTH FOR FACH SLAP	1.01 SECTION INCLUDES
COATED WITH A PERMANENT RUST PREVENTATIVE LUBRICANED TO PROPER LENGTH FOR EACH GLAB, COATED WITH A PERMANENT RUST PREVENTATIVE LUBRICANT AND ENCASED IN SLIP-AGE SHEATHING AND SHALL BE BEDAIRED WITH TADE DRIOR TO CONCRETE DLACEMENT AS NECESSARY, A MAXIMUM OF SIX	B. FERTILIZING.
INCHES (6") EXPOSED STRANDS IS PERMITTED AT THE DEAD-END ANCHOR.	C. SOD INSTALLATION.
 COMPLY WITH CLFMI CLF-PM0610. CAST-IN-PLACE CONCRETE: NORMAL-WEIGHT CONCRETE AIR ENTRAINED WITH NOT LESS THAN 3,000-PSI 	D. MAINTENANCE. 1.02 DEFINITIONS
COMPRESSIVE STRENGTH (28 DAYS), 3-INCH SLUMP, AND 1-INCH MAXIMUM SIZE AGGREGATE:	A. WEEDS: INCLUDES D MUSTARD, LAMBSOU
2. MATERIALS CONSISTING OF PORTLAND CEMENT COMPLYING WITH ASTM C150/C150M.	BLACKBERRY, TANSY BINDWEED, BENT GRA
 AGGREGATES COMPLYING WITH ASTM C33/C33M. POTABLE WATER. 	1.03 REFERENCE STANDARDS
2.02 COMPONENTS	A. 21 CFR 11 - PART 11, EDITION.
A. LINE POSTS: 1.9 INCH (48 MM) DIAMETER SPACED AT 8 FEET. B. CORNER AND TERMINAL POSTS: 2.38 INCH (60 MM) DIAMETER.	B. TPI (SPEC) - GUIDELIN
C. GATE POSTS: 3-1/2 INCH (89 MM) DIAMETER.	A. SOD PRODUCER: CO
D. TOP AND BRACE RAIL: 1.66 INCH (42 MM) DIAMETER, PLAIN END, SLEEVE COUPLED. SWEDGED-END OR FABRICATED FOR EXPANSION-TYPE COUPLING.	EXPERIENCE, AND CEF
E. GATE FRAME: 1.66 INCH (42 MM) DIAMETER FOR WELDED FABRICATION.	WORK SIMILAR IN MA BECORD OF SUCCESS
F. FABRIC: 2 INCH (51 MM) DIAMOND MESH INTERWOVEN WIRE, 7 GUAGE THICK, TOP SELVAGE KNUCKLE END CLOSED, BOTTOM SELVAGE KNUCKLE END CLOSED.	1.05 DELIVERY, STORAGE, AN
G. TENSION WIRE: 7 GUAGE THICK STEEL, SINGLE STRAND, METALLIC-COATED. MATCH COATING AND COLOR ON CHAIN LINK FENCE FABRIC.	A. DELIVER SOD IN ROLL
H. TIE WIRE: ALUMINUM ALLOY STEEL WIRE.	C. HARVEST, DELIVER, S
2.03 MANUAL GATES AND RELATED HARDWARE	PRODUCER'S ASSOCIA TRANSPLANTING/INST
WITH ASTM F1043, COMPLETE WITH HARDWARE.	1.06 PROJECT CONDITIONS
MM) HIGH, 3 FOR TALLER GATES; FORK LATCH WITH GRAVITY DROP AND PADLOCK HASP.	A. UTILITIES. DETERMINE MANNERS WHICH WIL DEMOVAL IS MUTUAL
 FRAMES AND BRACING: FOR GATE FABRIC HEIGHT 6 FEET OR LESS WITH WELDED CORNERS. GATE POSTS: FABRICATE MEMBERS FROM ROUND GALVANIZED STEEL PIPE FOR THE FOLLOWING GATE 	B. EXCAVATION: WHEN C
FABRIC HEIGHTS BY LEAF WIDTHS: 6 FEET OR LESS BY 4 FEET OR LESS.	ADVERSE DRAINAGE (1.07 Coordination and Sch
1. BRACKETS: ROUND.	A. COODINATE INSTALLA
2. MOUNTING: CENTER.	PLANT MATERIAL REG
C. LATCHES: FINISHED TO MATCH FENCE COMPONENTS.	A. GENERAL WARRANTY OF OTHER RIGHTS TH
1. BRACKETS: ROUND.	
A. CAPS: CAST STEEL GALVANIZED; SIZED TO POST DIAMETER, SET SCREW RETAINER.	B. SPECIAL WARRANTY:
	COMPLETION AGAINS RESULTING FROM LAC
A. CUMPUNENTS (UTHER THAN FABRIC): GALVANIZED IN ACCORDANCE WITH ASTM A123/A123M, AT 1.7 OUNCES PER SQUARE FOOT (530 G/SQ M).	CONDITIONS UNUSUA C. REMOVE AND REPLAC
B. HARDWARE: HOT-DIP GALVANIZED TO WEIGHT REQUIRED BY ASTM A153/A153M.	PLANTING SEASON.
	REPLACEMENTS DUE
PART 3 EXECUTION 3 01 INSTALLATION	PART 2 PRODUCTS
A. GENERAL INSTALLATION: INSTALL FRAMEWORK, FABRIC, ACCESSORIES AND GATES IN ACCORDANCE WITH	2.01 MATERIALS
ASTM F567. DO NOT BEGIN INSTALLATION BEFORE FINAL GRADING IS COMPLETED, UNLESS OTHERWISE PERMITTED BY ARCHITECT.	A. SUD: TPI (SPEC), CEI SCHEDULE ON DRAWI
B. CORNER, GATE AND TERMINAL POST FOOTING DEPTH BELOW FINISH GRADE: ASTM F567.	
FIRM. UNDISTURBED OR COMPACTED SOIL.	

-EXCAVATE HOLES FOR POST FOUNDATIONS IN FIRM, UNDISTURBED OR COMPACTED SOIL. GATE POSTS PLUMB, IN CONCRETE FOOTINGS WITH TOP OF FOOTING 2 INCHES ABOVE E TOP OF CONCRETE FOR WATER RUNOFF. PROTECT PORTION OF POSTS ABOVE GROUND LATTER. PLACE CONCRETE AROUND POSTS AND VIBRATE OR TAMP FOR CONSOLIDATION. DEVICES TO SET POSTS PER ASTM F567 IS NOT PREMITTED. VERIFY THAT POSTS ARE SET ID AT CORRECT HEIGHT AND SPACING, AND HOLD IN POSITION DURING PLACEMENT AND ONS UNTIL CONCRETE IS SUFFICIENTLY CURED.

- DCATE TERMINAL END. CORNER. AND GATE POSTS PER ASTM F567 AND TERMINAL PULL IN HORIZONTAL OR VERTICAL ALIGNMENT.
- INE POSTS UNIFORMLY AT 8 FEET O.C.
- CIAL OFFSET FITTINGS, AND ACCESSORIES. PLACE FABRIC ON OUTSIDE OF POSTS AND RAILS.
- M OF FABRIC 2 INCHES (50 MM) ABOVE CONCRETE.
- CHES (380 MM) ON CENTERS. FABRIC UNTIL CONCRETE FOUNDATION HAS CURED 28 DAYS.
- I TENSION WIRE STRETCHED TAUT BETWEEN TERMINAL POSTS.
- BANDS FOR 42"). GATE POSTS PLUMB, IN CONCRETE FOOTINGS WITH TOP OF FOOTING 2 INCHES ABOVE
- E TOP OF CONCRETE FOR WATER RUNOFF DEPTH BELOW FINISH GRADE: ASTM F567.
- TERMINAL POST FOOTING DEPTH BELOW FINISH GRADE: ASTM F567.
- L ONE BAY FROM END AND GATE POSTS. BRIC UNTIL CONCRETE FOUNDATION HAS CURED 28 DAYS.
- F FABRIC 2 INCHES (50 MM) ABOVE CONCRETE MOWSTRIP.
- HINGED SIDE OF GATE TO BUILDING WALL; PROVIDE GATE POSTS.
- I FROM PLUMB: 1/4 INCH (6 MM)
- ROM TRUE POSITION: 1 INCH (25 MM).
- NDERGROUND UTILITIES, AND PROPERTY LINES.
- R LEVEL, PLUMB, AND ALIGNMENT.
- CESS MATERIALS; SCATTER EXCESS MATERIAL FROM POST HOLE EXCAVATIONS
- ROM POSTS. REMOVE EXCESS MATERIAL IF REQUIRED. MILD HOUSEHOLD DETERGENT AND CLEAN WATER RINSE WELL.
- ROM EXPOSED POSTS AND OTHER FENCING MATERIAL USING A 10 PERCENT SOLUTION OF
- OWED IMMEDIATELY BY SEVERAL RINSES WITH CLEAN WATER.
- COLOR TO FACTORY-APPLIED FINISH.

PER OPERATION OF EQUIPMENT TO OWNER'S DESIGNATED REPRESENTATIVE.

END OF SECTION

SECTION 32 9223 SODDING

ASS, WILD GARLIC, PERENNIAL SORREL, AND BROME GRASS.

- INE SPECIFICATIONS TO TURFGRASS SODDING; 2006.
- OMPANY SPECIALIZING IN SOD PRODUCTION AND HARVESTING WITH MINIMUM FIVE YEARS
- RTIFIED BY THE STATE OF UTAH. ATIONS: ENGAGE AN EXPERIENCED INSTALLER WHO HAS COMPLETED LANDSCAPING

SFUL LANDSCAPE ESTABLISHMENT.

ND HANDLING

- LLS. PROTECT EXPOSED ROOTS FROM DEHYDRATION.
- RE SOD THAN CAN BE LAID WITHIN 24 HOURS. IATION (ASPA) "SPECIFICATIONS FOR TURFGRASS SOD MATERIALS AND
- TALLING".
- LLY AGREED UPON BY PARTIES CONCERNED.

- HEDULING QUIRED.
- ITS OF THE CONTRACT DOCUMENTS.
- CE DEAD MATERIALS IMMEDIATLEY UNLESS REQUIRED TO PLANT IN THE SUCCEEDING
- TO FAILURE TO COMPLY WITH REQUIREMENTS.
- WILL SUPPORT ITS OWN WEIGHT WITHOUT TEARING, WHEN SUSPENDED VERTICALLY BY TWO CORNERS.

: INSTALL IN ONE PIECE AT POST-HEIGHT CENTER SPAN, SPANNING BETWEEN POSTS,

TO TOP RAIL, LINE POSTS, BRACES, AND BOTTOM TENSION WIRE WITH TIE WIRE AT

I OF SIX (6) TIES FOR EACH TEN FEET (10') OF RAIL AND ONE (1) TIE TO EACH FOOT OF POST SION WIRE SHALL BE MADE WITH HEAVY GALVANIZED HOG RINGS AT SIX (6) PER TEN FEET

OVIDE ONE (1) FASTENER FOR EACH ONE FOOT (1') OF FABRIC HEIGHT (MINIMUM OF 8

ND CORNER POST TO ADJACENT LINE POST WITH HORIZONTAL CENTER BRACE RAIL.

ND, CORNER, AND GATE POSTS WITH TENSION BARS AND TENSION BAR CLIPS.

AT FENCE INSTALLATION MARKINGS ARE ACCURATE TO DESIGN, PAYING ATTENTION TO

ED SURFACES USING MATERIALS RECOMMENDED BY MANUFACTURER. MATCH

DANDELION, JIMSONWEED, QUACKGRASS, HORSETAIL, MORNING GLORY, RUSH GRASS, JARTER, CHICKWEED, CRESS, CRABGRASS, CANADIAN THISTLE, NUTGRASS, POISON OAK, RAGWORT, BERMUDA GRASS, JOHNSON GRASS, POISON IVY, NUT SEDGE, NIMBLE WILL,

ELECTRONIC RECORDS; ELECTRONIC SIGNATURES -- SCOPE AND APPLICATION; CURRENT

ATERIAL, DESIGN, AND EXTENT TO THAT INDICATED FOR THIS PROJECT AND WITH A

STORE, AND HANDLE SOD ACCORDING TO THE REQUIREMENTS OF THE AMERICAN SOD

E LOCATION OF ABOVE GRADE AND UNDERGROUND UTILITIES AND PERFORM WORK IN A LL AVOID DAMAGE. HAND EXCAVATE AS REQUIRED. MAINTAIN GRADE STAKES UNTIL

CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED SUCH AS RUBBLE FILL, CONDITIONS, OR OBSTRUCTIONS, NOTIFY LANDSCAPE ARCHITECT BEFORE PLANTING.

ATION OF PLANTING MATERIALS DURING NORMAL PLANTING SEASONS FOR EACH TYPE OF

: THE SPECIAL WARRANTY SPECIFIED IN THIS ARTICLE SHALL NOT DEPRIVE THE OWNER E OWNER MAY HAVE UNDER OTHER PROVISIONS OF THE CONTRACT DOCUMENTS AND IN TO AND RUN CONCURRENT WITH OTHER WARRANTIES MADE BY THE CONTRACTOR

WARRANT ALL LAWN AREAS FOR A PERIOD OF ONE YEAR AFTER DATE OF SUBSTANTIAL ST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS CK OF ADEQUATE MAINTENANCE, NEGLECT, OR ABUSE BY OWNER, ABNORMAL WEATHER AL FOR WARRANTY PERIOD, OR INCIDENTS THAT ARE BEYOND CONTRACTOR'S CONTROL.

ACEMENT OF EACH PLANT MATERIAL WILL BE REQUIRED, EXCEPT FOR LOSSES OR

ERTIFIED TURFGRASS SOD QUALITY; CULTIVATED GRASS SOD; TYPE INDICATED IN PLANT INGS; WITH STRONG FIBROUS ROOT SYSTEM, FREE OF STONES, BURNED OR BARE SPOTS; E THAN 5 WEEDS PER 1000 SQ FT (100 SQ M). MINIMUM AGE OF 18 MONTHS, WITH ROOT

- 1. KENTUCKY BLUE GRASS TYPE: 3 CULTIVAR MINIMUM.
- 2. THICKNESS: MINIMUM 1 INCH (25 MM) AND MAXIMUM 1-3/8 INCH (35 MM) TOPSOIL BASE. 3. CUT SOD IN AREA NOT EXCEEDING 1 SQ YD (1 SQ M).
- 4. MACHINE CUT SOD AND LOAD ON PALLETS IN ACCORDANCE WITH TPI (SPEC) GUIDELINES.

B. TOPSOIL: FERTILE, AGRICULTURAL SOIL, TYPICAL FOR LOCALITY, CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH, TAKEN FROM DRAINED SITE; FREE OF SUBSOIL, CLAY, OR IMPURITIES, PLANTS, WEEDS AND ROOTS; PH VALUE OF MINIMUM 5.4 AND MAXIMUM 7.0. BRING SURFACE TO SPECIFIED ELEVATION RELATIVE TO WALK OR CURB.

- C. COMMERCIAL FERTILIZER: COMPLETE FERTILIZER OF NEUTRAL CHARACTER; RECOMMENDED FOR GRASS, WITH FIFTY PERCENT OF THE ELEMENTS DERIVED FROM ORGANIC SOURCES; OF PROPORTION NECESSARY TO ELIMINATE ANY DEFICIENCIES OF TOPSOIL, TO THE FOLLOWING PROPORTIONS:
- 1. NITROGEN: >16% (OF WHICH 50% WILL BE ORGANIC). PROVIDE NITROGEN IN A FORM THAT WILL BE AVAILABLE TO LAWN DURING INITIAL PERIOD OF GROWTH.
- 2. PHOSPHORIC ACID: 16%
- 3. SOLUBLE POTASH: 8%

PART 3 EXECUTION 3.01 EXAMINATION

- A. VERIFY THAT PREPARED SOIL BASE IS READY TO RECEIVE THE WORK OF THIS SECTION. EXAMINE AREAS TO RECEIVE LANDSCAPING FOR COMPLIANCE WITH REQUIREMENTS AND FOR CONDITIONS AFFECTING PERFORMANCE OF WORK IF THIS SECTION. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
- 3.02 PREPARATION A. PLACE TOPSOIL IN ACCORDANCE WITH SECTION 31 2200.
- B. LOOSEN SUB-GRADE TO A MINIMUM DEPTH OF 4 INCHES. REMOVE STONES LARGER THAN 1-1/2 INCHES IN ANY DIMENSION, STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATERIALS.
- C. SPREAD PLANTING SOIL MIXTURE TO DEPTH REQUIRED TO MEET THICKNESS, GRADES, AND ELEVATIONS SHOWN, AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. DO NOT SPREAD IF PLANTING SOIL OR SUB-GRADE IS FROZEN.
- 1. PLACE APPROXIMATELY 1/2 THE THICKNESS OF PLANTING SOIL MIXTURE REQUIRED. WORK INTO TOP OF LOOSENED SUB-GRADE TO CREATE TRANSITION LAYER AND THEN PLACE REMAINDER OF PLANTING SOIL MIXTURF.
- 2. ALLOW FOR SOD THICKNESS IN AREAS TO BE SODDED. D. PREPARATION OF UNCHANGED GRADES: WHERE LAWNS ARE TO BE PLANTED IN AREAS UNALTERED OR
- UNDISTURBED BY EXCAVATING, GRADING, OR SURFACE SOIL STRIPPING OPERATIONS, PREPARE SOIL AS FOLLOWS:
- 1. TILL SURFACE SOIL TO A DEPTH OF AT LEAST 6 INCHES. APPLY REQUIRED SOIL AMENDMENTS AND INITIAL FERTILIZERS AND MIX THOROUGHLY INTO TOP 4 INCHES OF SOIL. TRIM HIGH AREAS AND FILL IN DEPRESSIONS. TILL SOIL TO A HOMOGENOUS MIXTURE OF FINE TEXTURE.
- 2. CLEAN SURFACE SOIL OF ROOTS, PLANTS, SOD, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.
- E. GRADE LAWN AND GRASS AREAS TO A SMOOTH, EVEN SURFACE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINE GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE FUTURE. REMOVE TRASH, DEBRIS, STONES LARGER THAN 1-1/2 INCHES IN ANY DIMENSION, AND OTHER OBJECTS THAT MAY INTERFERE WITH PLANTING OR MAINTENANCE OPERATIONS.
- F. MOISTEN PREPARED LAWN AREAS BEFORE PLANTING WHEN SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE TO DRY BEFORE PLANTING. DO NOT CREATE MUDDY SOIL.
- G. RESTORE PREPARED AREAS IF ERODED OR OTHERWISE DISTURBED AFTER FINE GRADING AND BEFORE PLANTING.
- H. TOPSOIL DEPTH SHALL BE A MINIMUM OF 4 INCHES. 3.03 FERTILIZING
- A. APPLY FERTILIZER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. APPLY AFTER SMOOTH RAKING OF TOPSOIL AND PRIOR TO INSTALLATION OF SOD.
- C. APPLY FERTILIZER NO MORE THAN 48 HOURS BEFORE LAYING SOD.
- D. MIX THOROUGHLY INTO UPPER 2 INCHES (50 MM) OF TOPSOIL. E. LIGHTLY WATER TO AID THE DISSIPATION OF FERTILIZER.
- 3.04 LAYING SOD
- A. MOISTEN PREPARED SURFACE IMMEDIATELY PRIOR TO LAYING SOD.
- B. LAY SOD WITHIN 24 HOURS AFTER HARVESTING TO PREVENT DETERIORATION. DO NOT LAY SOD IF DORMANT OR IF GROUND IS FROZEN.
- C. LAY SOD SMOOTH AND TIGHT WITH NO OPEN JOINTS VISIBLE, AND NO OVERLAPPING; STAGGER END JOINTS 12 INCHES (300 MM) MINIMUM. DO NOT STRETCH OR OVERLAP SOD PIECES. D. WHERE NEW SOD ADJOINS EXISTING GRASS AREAS, ALIGN TOP SURFACES.
- E. WHERE SOD IS PLACED ADJACENT TO HARD SURFACES, SUCH AS CURBS, PAVEMENTS, ETC., PLACE TOP ELEVATION OF SOD 1/2 INCH (13 MM) BELOW TOP OF HARD SURFACE.
- F. LAY SOD ACROSS ANGLE OF SLOPES EXCEEDING 1:3.
- G. WATER SODDED AREAS IMMEDIATELY AFTER INSTALLATION, SATURATE SOD TO 4 INCHES (100 MM) OF SOIL. DURING FIRST WEEK, WATER DAILY OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A MINIMUM DEPTH OF 1-1/2 INCHES BELOW THE SOD.
- H. AFTER SOD AND SOIL HAVE DRIED, ROLL SODDED AREAS TO ENSURE GOOD BOND BETWEEN SOD AND SOIL AND TO REMOVE MINOR DEPRESSIONS AND IRREGULARITIES.

3.05 CLEAN-UP AND PROTECTION

- A. DURING LANDSCAPING, KEEP PAVEMENT CLEAN AND WORK AREA IN AN ORDERLY CONDITION.
- B. PROTECT LANDSCAPING FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES, AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR, OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED. 3.06 DISPOSAL OF SURPLUS AND WASTE MATERIALS
- A. REMOVE SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS SUBSOIL, UNSUITABLE SOIL, TRASH, AND DEBRIS, AND LEGALLY DISPOSE OF IT OFF THE OWNER'S PROPERTY.
- 3.07 MAINTENANCE A. PROVIDE MAINTENANCE AT NO EXTRA COST TO OWNER; OWNER WILL PAY FOR WATER.
- B. MAINTAIN SODDED AREAS IMMEDIATELY AFTER PLACEMENT UNTIL GRASS IS WELL ESTABLISHED AND EXHIBITS A VIGOROUS GROWING CONDITION, BUT NOT LESS THAN 30 DAYS AFTER DATE OF SUBSTANTIAL COMPLETION AND SECOND FULL MOWING HAS BEEN PERFORMED.
- C. MOW GRASS AT REGULAR INTERVALS TO MAINTAIN AT A MAXIMUM HEIGHT OF 2-1/2 INCHES (65 MM). DO NOT CUT MORE THAN 1/3 OF GRASS BLADE AT ANY ONE MOWING. DO NOT DELAY MOWING UNTIL GRASS BLADES BEND OVER AND BECOME MATTED. DO NOT MOW GRASS WHEN WET.
- D. APPLY FERTILIZER TO LAWN AFTER FIRST MOWING AND WHEN GRASS IS DRY. USE FERTILZER THAT WILL
- PROVIDE ACTUAL NITROGEN OF AT LEAST 1 LB. PER 1000 SQ. FT. OF LAWN AREA. E. NEATLY TRIM EDGES AND HAND CLIP WHERE NECESSARY.
- F. IMMEDIATELY REMOVE CLIPPINGS AFTER MOWING AND TRIMMING.
- G. WATER TO PREVENT GRASS AND SOIL FROM DRYING OUT TO A UNIFORM DEPTH OF 4 INCHES. WATER LAWN AT THE MINIMUM RATE OF 1 INCH PER WEEK.
- H. ROLL SURFACE TO REMOVE IRREGULARITIES.
- I. CONTROL GROWTH OF WEEDS. APPLY HERBICIDES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMEDY DAMAGE RESULTING FROM IMPROPER USE OF HERBICIDES.
- J. IMMEDIATELY REPLACE SOD TO AREAS THAT SHOW DETERIORATION OR BARE SPOTS. K. PROTECT SODDED AREAS WITH WARNING SIGNS DURING MAINTENANCE PERIOD.

3

END OF SECTION

SECTION 32 9419 LANDSCAPE SURFACING

- PART 1 GENERAL 1.01 SECTION INCLUDES
- A. MULCH.
- B. WEED BARRIER C. MAINTENANCE.
- 1.02 SUBMITTALS
- A. SEE SECTION 01 3000 ADMINISTRATIVE REQUIREMENTS, FOR SUBMITTAL PROCEDURES. 1.03 QUALITY ASSURANCE
- A. INSTALLER QUALIFICATIONS: ENGAGE AN EXPERIENCED INSTALLER WHO HAS COMPLETED LANDSCAPING
- WORK SIMILAR IN MATERIAL, DESIGN, AND EXTENT TO THAT INDICATED FOR THIS PROJECT WITH AT LEAST 3 YEARS EXPERIENCE AND A RECORD OF SUCCESSFUL LANDSCAPE ESTABLISHMENT. 1.04 FIELD CONDITIONS
- A. DO NOT INSTALL MULCH WHEN WIND VELOCITY EXCEEDS 30 MPH (48 K/HR).
- 1.05 WARRANTY A. GENERAL WARRANTY: THE SPECIAL WARRANTY SPECIFIED IN THIS ARTICLE SHALL NOT DEPRIVE THE OWNER OF OTHER RIGHTS THE OWNER MAY HAVE UNDER OTHER PROVISIONS OF THE CONTRACT DOCUMENTS AND SHALL BE IN ADDITION TO AND RUN CONCURRENT WITH OTHER WARRANTIES MADE BY THE CONTRACTOR UNDER REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- PART 2 PRODUCTS
- 2.01 MULCH MATERIALS
- A. CRUSHED ROCK: COLOR AND SIZE NOTED ON APPROVED DRAWINGS.
- B. WEED CONTROL BARRIER (ONLY PLACED UNDER CRUSHED ROCK): 5 OZ. WOVEN, NEEDLE-PUNCHED POLYPROPYLENE FABRIC. DEWITT PRO 5 WEED BARRIER OR LANDSCAPE ARCHITECT'S APPROVED EQUAL.

PART 3 EXECUTION

- 3.01 EXAMINATION A. EXAMINE AREAS TO RECEIVE LANDSCAPING FOR COMPLIANCE WITH REQUIREMENTS AND FOR CONDITIONS
- AFFECTING PERFORMANCE OF WORK OF THIS SECTION. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
- B. VERIFY THAT PREPARED SUBSOIL IS READY TO RECEIVE WORK. 3.02 MULCHING

3.03 CLEAN-UP AND PROTECTION

3.04 DISPOSAL OF SURPLUS AND WASTE MATERIALS

A. CRUSHED ROCK: 3-INCH DEPTH, WASHED, IN AREAS AS SHOWN ON PLANS. B. WEED CONTROL BARRIERS: INSTALL WEED CONTROL BARRIERS UNDER CRUSHED ROCK ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND BEFORE MULCHING. COMPLETELY COVER AREA TO BE MULCHED, LAPPING EDGES A MINIMUM OF 6 INCHES.

DEBRIS, AND LEGALLY DISPOSE OF IT OFF THE OWNER'S PROPERTY.

END OF SECTION

4

I OGAN, UTAH (435) 752-7031 SALT LAKE CITY, UTAH (801) 539-8221

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LANDSCAPE

SPECIFICATO

A. DURING LANDSCAPING, KEEP PAVEMENT CLEAN AND WORK AREA IN ORDERLY CONDITION. B. PROTECT LANDSCAPING FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES, AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR, OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED.

A. REMOVE SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS SUBSOIL, UNSUITABLE SOIL, TRASH, AND

DEMOLITION NOTES

- REMOVE OBSTRUCTIONS, GRASS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION. CUT MINOR ROOTS AND BRANCHES OF TREES INDICATED TO REMAIN IN A CLEAN AND CAREFUL MANNER WHERE SUCH ROOTS AND BRANCHES OBSTRUCT INSTALLATION OF NEW CONSTRUCTION.
- GRIND STUMPS AND REMOVE ROOTS, OBSTRUCTIONS, AND DEBRIS EXTENDING TO A DEPTH OF 18 INCHES 3. BELOW EXPOSED SUBGRADE.
- 4. FILL DEPRESSIONS CAUSED BY CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY SOIL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 8-INCH LOOSE DEPTH, AND COMPACT EACH LAYER TO A DENSITY EQUAL TO ADJACENT GROUND.
- 5. STRIP SUITABLE TOPSOIL TO WHATEVER DEPTHS ARE ENCOUNTERED IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS.
- 6. STOCKPILE SURPLUS TOPSOIL MATERIALS AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL. GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST. COORDINATE LOCATION WITH OWNER'S REPRESENTATIVE OR AT LOCATION SHOWN ON PLANS.
- REMOVE EXISTING ABOVE- AND BELOW-GRADE STRUCTURES AS INDICATED AND AS NECESSARY TO FACILITATE 7. NEW CONSTRUCTION. 8. AT ALL LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING
- PAVEMENT SHALL BE SAW CUT TO A CLEAN SMOOTH EDGE. 9. PROTECT EXISTING BUILDINGS, WALKS, DRIVES, CURBS, EXISTING VEGETATION, ETC. THAT ARE TO REMAIN.
- REPAIR ANY DAMAGES THAT MAY OCCUR TO EXISTING ITEMS TO BE PROTECTED. 10. ALL ITEMS TO BE REMOVED FROM THE PROJECT AND EXCESS MATERIALS SHALL BE LEGALLY DISPOSED OF OFFSITE BY THE CONTRACTOR
- 11. CONTINUOUSLY CLEAN-UP AND REMOVE WASTE MATERIALS FROM SITE. DO NOT ALLOW MATERIALS TO ACCUMULATE ON SITE.
- 12. DO NOT BURN OR BURY MATERIALS ON SITE. LEAVE SITE IN CLEAN CONDITION.

DEMOLITION PLAN LEGEND

<u>SYMBOL</u> DESCRIPTION REMOVE LAWN - clear and grub

GENERAL NOTES

- 1. THE CONTRACTOR SHALL INSPECT THE SITE TO BE FULLY AWARE OF ALL PERTINENT EXISTING CONDITIONS PRIOR TO SUBMITTING BID OR PROPOSAL. 2. NO WORK IS TO BEGIN UNTIL NECESSARY PERMITS HAVE BEEN OBTAINED. IT IS THE CONTRACTOR'S
- RESPONSIBILITY TO OBTAIN AND PAY FOR ALL PERMITS. 3. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE TO DETERMINE METHOD OF MAINTAINING PUBLIC ACCESS TO THE BUILDING DURING CONSTRUCTION. CONTRACTOR SHALL MAINTAIN APPROVED ACCESS TO THE BUILDING THROUGHOUT THE DURATION OF CONSTRUCTION AND SHALL PROVIDE ALL TEMPORARY RAMPS, BARRIERS, ETC. AS REQUIRED TO MAINTAIN PUBLIC SAFETY.
- 4. PRIOR TO THE COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY HIS WORK. THE CONTRACTOR SHALL PROTECT THOSE UTILITIES THAT ARE TO REMAIN AND BE RESPONSIBLE FOR THE REPAIR OF DAMAGES TO SUCH UTILITIES. 5. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WHEN CONSTRUCTION WORK BEGINS NEAR ANY
- UTILITY LINES AND ARRANGE FOR A UTILITY REPRESENTATIVE TO BE PRESENT IF THE CONTRACTOR'S CLOSE OPERATIONS COULD CREATE A HAZARDOUS CONDITION. 6. THE CONTRACTOR SHALL PROTECT EXISTING BUILDINGS, WALKS, DRIVES, CURBS, ETC. THAT ARE TO REMAIN
- AND SHALL REPAIR ANY DAMAGE THAT MAY RESULT FROM THE WORK. THE CONTRACTOR HAS THE RESPONSIBILITY OF VERIFYING ALL GRADES, ELEVATIONS, DIMENSIONS, 7. MEASUREMENTS, CORNERS, CURBS AND ANGLES FOR WORK TO BE PERFORMED WITHIN THIS CONTRACT. REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITION TO THE OWNER'S REPRESENTATIVE
- IMMEDIATELY. 8. THE CONTRACTOR IS RESPONSIBLE FOR ANY UNAUTHORIZED DAMAGE INSIDE AND OUTSIDE THE LIMIT OF WORK LINE DUE TO CONSTRUCTION OPERATIONS AND SHALL RESTORE DAMAGED AREAS TO ORIGINAL CONDITION AT NO COST.

SITE PLAN LEGEND

1

SYMBOL	DESCRIPTION
1	CMU SCREEN WALL - see architectural drawings for detail
2	6' TALL CHAINLINK SINGLE GATE
3	6' TALL CHAINLINK FENCE
4	12" WIDE MOWSTRIP
5	MOWSTRIP UNDER FENCE
, , , , , , , , , , , , , , , , , , ,	SOD - 3 cultivar kentucky bluegrass blend, match species of existing turf
	PEA GRAVEL - 3/8" minus, 3" depth, weed barrier beneath, gray in color

2

<u>QTY</u><u>DETAIL</u> 245 sf

QTY DETAIL A3/AS-501 A4/AS-501 B4/AS-501 B5/AS-501 372 sf C5/AS-501 cisting turf 116 sf





D















GENERAL NOTES

<u>KEYNOTES</u>: THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTERFORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.

ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.

- 2. CONTRACTOR SHALL BE FAMILIARIZED WITH THE LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI).
- 3. WALL TYPES SHOWN AS S6A ARE SHOWN ON SHEET A-101. FOR OTHER WALLS SEE BUILDING AND WALL SECTIONS.
- 4. SLOPE ALL FLOORS TO FLOOR DRAINS (FD) U.N.O.
- 5. INSTALL CONTROL JOINTS EVERY 20'-0" MIN.
- 6. MEASURMENTS SPECIFING "EQ" = EQUAL LENGTH OR WIDTH TO FILL REMAINDER OF LENGTH REQUIRED.

KEYNOTES



DESCRIPTION GRAVEL FILL - SEE AS-101 CHAIN LINK FENCE - SEE AS-101

EXTERIOR MATERIALS

MARK DESCRIPTION DIVISION 04: UNIT MASONRY HONED CMU (COLOR: BY ARCHTECT FROM MANUFACTURERS FULL RANGE) SPLIT FACE CMU (COLOR: BY ARCHITECT FROM MANUFACTURERS FULL RANGE) M2



Y FAIRGROUNDS - ENCLOSURE E COUNT PROJECTS CHE 500 8432 ADE UTH GR SOL AN, HE (\triangleleft C/UP 1000 1000 1000 1000 823278 PROJECT #: KL DRAWN BY: CHECKED BY: KL 02/14/2025 ISSUED: ENCLOSURE PLANS A-101

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DESIGN WEST





BID/PERMIT SET





KEY NOTES

- 1 LOCAL GAS UTILITY COMPANY SHALL PROVIDE THE GAS SERVICE LINE, METER POST, AND GAS METER. THIS GAS LINE SHALL BE A 2 PSI LINE PRESSURE. THE GAS CONTRACTOR SHALL CONNECT ONTO THE GAS METER AND RUN NEW GAS LINE TO THE NEW GENERATOR. THE P.C. SHALL INSTALL 3" STEEL BOLLARDS AROUND THE GAS METER.
- 2 PAINT ALL EXPOSED GAS PIPING WITH ONE COAT OF PRIMER AND ONE COAT OF PAINT. PAINT GREEN WITH YELLOW LETTERING OR TO MATCH THE BUILDING AS PER OWNER INSTRUCTION.

(3) PROVIDE A SHUTOFF VALVE, 6" DIRT LEG, PF GOVERNOR 30152 GAS REGULATOR, AND UNION AT GENERATOR.

SPECIAL NOTE

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE LOCAL GAS COMPANY WITHIN ONE WEEK OF THE PROJECT START DATE AND OBTAIN THEIR APPROVAL AND A PERMIT FOR THE INSTALLATION OF THE NEW GAS METER. IMMEDIATELY FOLLOWING CONTACT WITH THE LOCAL GAS COMPANY, THE OWNER IS TO BE INFORMED OF ANY POTENTIAL DELAYS TO THE PROJECT.

SPECIAL NOTE

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS FOR THEIR WORK SUCH THAT THE APPLICATION FOR, AND OBTAINING OF PERMITS AS REQUIRED BY THE LOCAL JURISDICTION, DO NOT DELAY THE PROJECT AND ARE INCLUDED IN THE PROJECT SCHEDULE.

design	255 SOUTH 300 WEST 795 NORTH 400 WEST			
CACHE COUNTY FAIRGROUNDS	 490 SOUTH 500 WEST LOGAN, UT 84321 CACHE COUNTY 			
PROJECT #: DRAWN BY: CHECKED BY: ISSUED:	2422 2422 05/31/2024			
PLUMBING - GENERATOR				

architects

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LOGAN UT 84321 LAKE CITY UT 84103

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CONSULTANTS

Consulting Engineers

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