





















		-											
LAB S	INK SCHE	DUL	E "LS	-X"									
					SIZ	E				1			
								нот .	*	FOOT			
MARK	TYPE	MATE	RIAL	LENGTH	WIDT	пн	DEPTH	COLD	R	PEDAL	s	NOTES	
LS-1	SINGLE BOWL	EPOXY	resin	25"	15"	·	4 7/8'	x	x				
LS-2	SINGLE BOWL	EPOXY	RESIN	25'	15"	.	10"	x		x			
1.REFER TO T 2.REFER TO L ADJACENT AC 3.REFER TO L	NE SINK NOTES: PICAL LAB SINK PL NB PLANS FOR LOCA S SHOWN ON TYPICA NB PLANS FOR LOCA	nn on 9/L Tions of 1 L LAB Sink Tions of 1	500 Nater Polis (Plan. Deck Mount	HER (WP1) Ed drench	and pro	ovide Etewas	1° dia ho Hes (ew).	LE & TE	MP CAP				
FUME	HOOD S	CHEC	ULE "	FH x-	у"								
MARK	LINER/WORK	SIZE	SIZE	SASH	TYPE/	F	LUMBING		ELECTR	ICAL ES			
FH4-ADA	WHITE/EPOXY RESIN 4'-0'		2'-7 1"	COMPR	ATION	((ONE SIDE)		(BOTH SIDE) DUPLEX POWER OUTLET, GFI		ADA COMPLIANT FUME HOOD		INE HOOD
			2-/ 4	COMBI	MIN	SEE LAB PLAN		~~~					
ENERAL FUM	HOCO AND BIOLOG	ICAL SAFET	Y CABINET N	DTES:									
 FUME HOOI ANCHORAGE ADA FUME ALL FUME REFER TO 	D AND BIOLOGICAL S 2 OF FUME HOODS , HOODS SHALL BE A HOODS SHALL HAVE FUME HOOD SCHEDU	AFETY CAB IND BIOLOG DA COMPLI A PERFOR ILE FOR AL	NET MANUFA Sical Safety ant in Apro Ated Screep 1. Fume Hoc	CTURERS S CABINETS, N DEPTH A I AT THE E ID TYPES A	Hall Adv Per Pri ND Noun Ack Bafi 1 Their S	rise wi Evwiling File Af Servic	hat spec Ig codes. Height. Hea. Refe Es. Refer	SAL STRE ER TO TH TO LAB	Joture IS He Fuive H Plans Fo	required 1000 Spe Ir Locati	d, conceal Cification Ons of Fu	ed in Walls, F 115313. We hood type:	or seismic I.
BIOLC	GICAL SA	AFET	Y CAB	INET	SCH	IEC	DULE	"BS	Cx-y'	·			
MARK	TYPE		L	W	CLAS	s				UTILITY	SERVICES	5	
BSC4	A2 (UNVEN	3"-4"+/-	2'-6"			(2) PLI POWER RATED	UGGED OUTLE FOR 2	PENETR/ TS MOUND 0 AMIPS	PENETRATIONS FOR FUTURE PETCOCKS, DUPLEX S MOUNTED OUTSIDE OF HOOD CAVITY, GFI, AMPS EACH OUTLET				
LAB C MATERIAL EPOXY RESIN	ALL LABORATOR	TOP :	ERTOPS U	NLESS 0	THERMIS	SE NO	DTED						
GENER	RAL LAB E	QUIPN	IENT 8	LAB	FIXT	UR	ES						
EQUIP.#	EQUIPMENT I	TEM							SPEC		DWNER	CONTRACTOR	MOUNTING
EWS	ENERGENCY SH	IOWER/F	FWASH						SECTIC 1235/	N P	ROVIDED	PROVIDED	ELOOP (WAL
EW	DRENCH HOSE	EYEWASH	1						1235	53		x	COUNTER
F1	LAB FREEZER								1153	00		x	FLOOR
F3	LAB FREEZER	(UNDERO	OUNTER)						NIC		x		FLOOR
OHCR-1	OVERHEAD POW	ER REEL	. (RECESS	ED)					DIV. 3	26		x	CEILING
R2	LAB REFRIGERA	TOR/FRE	EZER						1153	00		×	FLOOR
TE1	ARTICULATING 1	ASK EXH	AUST						1153	00		×	CEIUNG
wP1	WATER POLISH	K-TYPE	1			_		_	1153	00		×	mALL
FORE	NSIC BIOI	OGY	·										
EQUIP.#	EQUIPMENT ITE	M							SPEC.		OWNER	CONTRACTOR	MOUNTING
601	THERMAL CVCL	50							SECTION		KOVIDED	PROTIDED	COUNTER
FB2	GENETIC ANALY	ZFR (35)	00)			_		_	NIC		Ŷ		COUNTER
FB3	REAL TIME PCF	3 (7500)	/						NIC	-	x	1	COUNTER
FB4	EXTRACTION RO	DBOT (EZ	1-XL)						NIC		x	1	COUNTER
FB5	EXTRACTION RO	DBOT (QV	CUBE)		_			_	NIC		x		COUNTER
FB6	EXTRACTION RO	DBOT (ST.	AR)						NIC		х		COUNTER
F87	EXTRACTION RO	BOT (ST	ARLET)			_		_	NIC		х		COUNTER
FB8	NOT USED				_	_		_			-		-
F89	AUTOCLAVE								NIC		x	_	FLOOR
FB10	DRYING OVEN								NIC		x	-	COUNTER
FB11	INCUBATOR		-1						NIC		х	1	COUNTER
FB12	EXTRACTION RO	DEOT (EZ	2)						NIC		x		COUNTER
FB13	EXTRACTION RO	DBOT (QV	CUBE COM	INECT)					NIC		*		-
F814	CENTRIFUGE								NIC	-	х		COUNTER
FB15	VACUUM CONC	ENTRATOP	t						NIC	-	х		COUNTER
FB16	VACUUM CONC	ENTRATOR	1						NIC		x		COUNTER
F817	DECON CHAMB	LK							NIC	-	х		COUNTER
1010	POR ENGLOSUE								1153	~		X	I FLOOR
rd18t	PCR ENCLOSURE							NIC		x	+	I FLOOR	
rd19	THE NUMBER OF								 NIC 		x		COMPAREMENTS R

LAB CA	ASEWORK LEGEND	LAB CASEWORK GENERAL NOTES
ACDx AFF	ACID STORAGE CABINET - EXHAUSTED (x DENOTES CABINET WIDTH) ABOVE FINISHED FLOOR	1) CABINETS & COUNTERS A. ALL SINKS SHALL BE CENTERED IN THEIR CABINETS UNLESS OTHERWISE SHOWN ON DRAWINGS.
ACDx AFF BSCx-y Bx-ySS Bx-y CA CART CPUx-y CS CSCx CT CW DBx-ySS ELX-y ER EW EW FHx-y	LOG STORAGE CABIET - DEVALUEED (& DENOTES CABIET WOTH) ABOVE FINISIED FLOR BIOLOGICAL SAFETY CABIET (& DENOTES HOOD WIDTH; y DENOTES THE FOUND IN BIO: SAFEDULE) SMAR & SiB-Y, CEDT ALL STANLESS STELL CONSTRUCTION BY DENOTES CABIET THEY COMPENSION AND CONFUSION AND AND AND AND AND AND PORTURES CABIET THEY COMPENSION AND AND AND AND AND AND AND AND AND TRUE, FLOOR MOUNTED OPEN COMPENSION AND AND AND AND TRUE, FLOOR MOUNTED OPEN COMPENSION AND AND AND AND TRUE, FLOOR MOUNTED OPEN COMPENSION AND AND AND AND COMPENSION AND AND AND AND AND AND AND AND AND AN	 CARNETS & COUNTERS A.ALL SINS SHALL BE CONTRED IN THEIR CABINETS UNLESS OTHERWISE SHOWN ON DRAWINGS. B. PROVDE REMOVABLE BACK ACCESS PARLS AT ALL CABINETS AND KINE SPACES TO PROVIDE ACCESSIBILITY TO UTILITY CHASES BEHIND CABINETS. C. CASKWORK MANUFACTURER AND INSTALLER SHALL PREPARE ALL LAB CASKWORK FOR SECUL, APPLICATIONS, SLOVE AS FRE DEBLIND, FOR INSTALLATION OF MAILS FREIG FROM DUCT PROVERTATIONS, TASK DEAL DRIVEN DE MATER COMPONENTS. D. ALL LABORATORY COUNTERY SHALL INTS, PURFIED WATER COMPONENTS, WEINK, ETC. D. ALL LABORATORY COUNTEROPS AND BACOSKILASHES SHALL BE EPOXY RESIN. EXCEPT WHERE INICIDATED OTHERWISE. COLOR SHALL BE SELECTED BY ARCHITECT FROM MANUFACIDIERS STADARD DIRE OF COURSE. ALL BACKSPLASHES SHALL KATCH COUNTERTOPS IN MATERIAL AND COLORS. ALL RACKSPLASHES SHALL MATCH COUNTERTOPS IN MATERIAL AND COLORS. ALL RACKSPLASHES SHALL KATCH COUNTERTORS IN MATERIAL SHOULDE OF COURSE. ALL RACKSPLASHES SHALL WATCH COUNTERTORS IN MATERIAL AND COLORS. ALL RACKSPLASHES SHALL ANTCH COUNTERTORS IN MATERIAL INFORCE. F. ALL RACKSPLASHES SHALL WATCH COUNTERTORS OF THE CONFERMENT. F. ALL RACKSPLASHES SHALL MATCH COUNTERTORS OF THIS CONFIRM. COLOR SHALL BESELFOR PARELS AT NO.SO CUILITY MATERIAL AND COLORS. F. PROVIDE LANGING FLE HARDWARE AT ALL FLE COMMENTER TO RESOLUTION. F. PROVIDE LANGING FLE HARDWARE AT ALL FLE COMMENTS. H. ALL SINGLE TORS SHALL MATCH ADALCENT CONTRER ONS. F. PROVIDE LANGING FLE HARDWARE AT ALL FLE COMMENTS. F. PROVIDE LANGING FLE HARDWARE AT ALL FLE COMMENTS. F. PROVIDE HANGING FLE HARDWARE AT ALL FLE COMMENTS. F. PROVIDE LANGING FLE HARDWARE AT ALL FLE CONTRERS AND DORS. F. PROVIDE LANGING FLE HARDWARE AT ALL FLE CONTRERS. F. PROVIDE HANGING FLE HARDWARE AT ALL FLE CONTRERS. F. PROVIDE LANGING FLE HARDWARE AT ALL FLE CONTRERS. F. PROVID
HD HE5 H5 H5 K5 K5 L5 L5 L5 K5 L5 L5 K5 K5 L5 L5 K5 K5 L5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5	HI SOREDUE LOCATE DO N SHET LIDO) HIE DRAM HELDM FITTING (93.9995 PURITY) HIDOLOS HITTING (93.9995 PURITY) HIDOLOS CABINET LOONIC CABINET LOONIC CABINET HIDOLOS HITTING (93.9995 PURITY) HIDOLOS CABINET HIDOLOS HITTING (93.9995 PURITY) HIDOLOS HITTING (94.9995 PURITY) HIDOLOS HITITING (94.9995 PURITY) HIDOLOS HITTING (94.9995 PUR	CASE WILL THE BRACE SUPPORT BE PRENITTED WITHIN 14" OF THE LEADING EDG-TOP THE COUNTER: MICABINET DOOR WIDTHS SINGLE WIDTH DOORS LESS THEN 46" IN HEIGHT, SHAL NOT EXCEED 24". ALL 24" MAINING DOORS SHALL BE IT TINKIC CONSTRUCTION. 2. ALL DIMENSIONS ARE NORMAL SPECIFIC DIMENSIONS MAY VARY AMONG DIFFERENT CASEWORK WANN'ACTURENES: B. ALL DIMENSIONS ARE TYPICAL UNLESS OTHERWISE NOTED ON DRAWING PROCESS BEGINS. C.VERID ALL DIMENSIONS IN FIELD BETORE CASEWORK SHOP DRAWING PROCESS BEGINS. 2. VERID ALL DIMENSIONS IN FIELD BETORE CASEWORK SHOP DRAWING PROCESS BEGINS. 3. FLOOR TO CABINET TRANSITIONS, EXCEPT WHERE NOTED ON DRAWING PROCESS BEGINS. 4. PROVIDE VUL BASK AT TOE SPACE AT ALL PROFE DESCRIPCE. B. CONTRACTOR SHALL PROVIDE SUMALE PROTECTION OF ALL FINISHED FLOORING WORK. C. PROVIDE DOCKLE AS REQUIDED FOR SUMPRICE DESS., MHERE CODENNO WORK. C. PROVIDE DOCKLE AS REQUIDED FOR SUMPRICE DESS., MHERE THORE IS LAB CASEWORK AND MAY AND ALL WALL WONTED ACCESSORES, INCLUDING WALL MOUNTED ENDEWENT BY OTHERS. B. PROVIDE SUFFACE WONTED FARE TOAL ONCE DOCKLED BETS. B. PROVIDE SUFFACE WONTED FARE TOAL ONCE DISCHEMENS AT ALL LAB SINKS. ICOCATE ALL FPOXY DRIVER RARKS TO AVOID CONFLICT WITH DECK MOUNTED EVE WASH UNITS. B. PROVIDE SUFFACE WONTED FARE TOAL DISCLEVE BASE CABINETS, SUPPORT HOOD WITH MANIFACTURES STANDARD 2", YOU TIGULAR STELL TABLE. B. SERONDES AND SCHEDUED TO RECEIVE BASE CABINETS, SUPPORT HOOD WITH MANIFACTURES STANDARD 2", YOU TIGULAR STELL TABLE. B. PROVIDE SUFFACE MOOTED CALL SAFETY CARACTED SCHED AT THE BACK BAFFLE AREA. REFER TO THE FURK HOOD SPECIFICATION. B. SERONDER HOODS SHALL BE ADD COMPLIED IN WALLS, FOR SUBJEC ANCHORERS OF FURK HOODS SHALL BE ADD COMPLIED THAN AND AND AND AND AND AND AND AND AND A
ST.STL or SS TAB×xyy TCx-ySS TSx-y TSx-ySS TYPE I UPS UNO WSR-x WCx-YSS	STAINESS STEEL TABLE (CA NOCATES WOTHAE BY ADOCATES (ENOTH) TALL CABNET (C MONTES CABINET WOTH; 5 DONTES CABNET TYPE) SAME AS TC, EXCENT ALL STANLESS STEEL CONSTRUCTION TALL SEEL (C MONTES SALET MAY BY DONTES CABNET TYPE) THE SEEL (C MONTES SALET MAY BY DONTES CABNET TYPE) THE REPORTED WHER LOCATION (WATER POLISHER SPEC 115300), THE VECADIM UNITERRUPTIBLE POWER SUPPLY UNITESS NOTED OTHERWISE MULL SHEET BY ARLIOIT SHEAMING (F DENOTES CABNET MOTH) WALL CABNET (K DENOTES CAENET WOTH; DONTES CABNET TYPE) SAME AS WK>, EXCEPT ALL STANLESS STEEL CONSTRUCTION	9) FUNE HOOD SERVICES. REFER TO FUNE HOOD SCHEDULE ON SHEET LIOD FOR ALL FUNE HOOD TYPES & THEIR SERVICES. REFER TO LAB PLANS FOR LOCATIONS OF FUNE HOOD TYPES.
WSx-y WSx-ySS	WAL SHEF (FOR DENOTES CARNET WORK) CONSTRUCTION SAME AS WS-, EXCEPT ALL STARLESS STELL CONSTRUCTION EQUIPANT NUMBER SPECAL COUNTER HORT (FOR FORENT THAN 36") ULTRA HIGH PURITY GAS FITTING (SINCLE HEAD)	

SHERIFF SCIENTIFIC INVESTIGATIONS DIVISION (SID) ORANGE AND BLUE LAB REMODEL

Hellesen, Willen Y Launit, Inc. Hillesen, Willen Y Launit, Inc. Hille 201473

200 SOUTH LENA RD. SAN BERNARDINO, CA

COUNTY OF SAN BERNARDINO SAN BERNARDINO COUNTY

OJECT NO.: SBC.002

LAB SCHEDULES ABBREVIATIONS & NOTES

L100











GENERAL STRUCTURAL NOTES

THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BULDING IS FULLY COMPLETED. IT IS DOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETENSIVE ERECTORS PROCEDU AND SEQUENCE, FAM TO ENSURE THE STABILITY OF THE BULDING AND ITS COMPONENT PARTS, AND ADDULACY OF EMPORATY OR INCOMPLETE CONNECTIONS JURING SERECTION. THIS INCLUES THE ADDULACY OF EMPORATY OR INCOMPLETE CONNECTIONS JURING SERECTION. THIS INCLUES THE AND STABLE AFTER THE BUILDING IS FULL ADDITION OF ANY SHORING, SHEETING, TEMPORARY GUYS, BRACING, OR TIE-DOWNS THAT MIGHT BI NECESSARY, SUCH MATERIAL IS NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMO CONDITIONS PERMIT, AND SHALL REMAIN THE CONTRACTOR'S PROPERTY. THE ENGINEER HAS NO EXPERIENCE IN AND TAKES NO RESPONSIBILITY FOR CONSTRUCTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION, PROCESSING AND / OR APPROVING SUBMITTALS MADE BY THE TRACTOR WHICH MAY CONTRACTOR IN PROJECTION RELATED TO CONSTRUCTION METHODS OR SAFETY NITRACTOR WHICH MAY CONTRACTOR IN NORMATION RELATED TO CONSTRUCTION METHODS OR SAFETY SUES, OR PARTICIPATION IN MEETINGS WHERE SUCH SSUES MIGHT &E OLICUISSED, OKALL NOT BE SUCH THE SUCLIVITARY ASSUMPTION BY THE EVANERE OF AVY RESPONSIBILITY FOR SAFETY IT IS SOLELY THE RESPONSIBILITY OF EACH CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS OURING ALL PHASES OF CONSTRUCTION. THE ENGINEER IS NOT ENGAGED IN, AND DOES NOT SUPERVISE CONSTRUCTION

EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMEING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIODING PURPOSES ONLY, CONTRACTORS SHALL COORDINATE THIS INFORMATION WITH THE INVOLCE TRACES BEFORE PROCEDON WITH SUCH OPATION OF THE WORK, EXCESS COST RELATED TO VARATION IN THESE REQUIREMENTS SHALL BE BORNE BY THE APPROPRIATE CONTRACTOR.

CTURAL SCOPE IS LIMITED TO THE SUPPORT OF NEW ROOFTOP MECHANICAL UNITS (RTU). ILLANEOUS ITEMS SUCH AS EQUIPMENT ATTACHMENT TO PRIMARY STRUCTURAL FRAMING SHALL BE HE RTU MANUFACTURERS RECOMMENDATIONS AND SUBMITTED FOR REVIEW AS A DEFERRED TALL PRIOR TO CONSTRUCTION.

SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUC NOTES, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.

= 16 PSF

= 20 PSF

= 0 PSF

= 96 MPH

= II = C = 15 PSF SEE "C&C DIAGRAMS" ON S000

SPECIAL REINFORCED MASONRY SHEAR WALLS

 $\begin{array}{l} S_{\rm S} = 2.064, \, S_{\rm I} = 0.819 \\ S_{\rm DS} = 1.651, \, S_{\rm D1} = 0.928 \end{array}$

H = 1.0 D · DEFAULT

GOVERNING CODE: CALIFORNIA BUILDING CODE (CBC) 2022

- DESIGN LOADS: DEAD LOADS USED IN DESIGN ARE AS FOLLOWS: A BOOF DEAD LOAD
- LIVE LOADS USED IN DESIGN ARE AS FOLLOWS: A. ROOF LIVE LOAD

NOW LOADS USED IN DESIGN ARE AS FOLLOWS A. GROUND SNOW LOAD

WIND LOADS USED IN DESIGN ARE AS FOLLOWS A. BASIC WIND SPEED (3 SECOND GUST) B. BUILDING OCCUPANCY CATEGORY

WIND EXPOSURE DIRECTIONAL DESIGN WIND PRESSURE (WALLS) COMPONENTS & CLADDING OADS LISED IN DESIGN ARE AS FO

- IL LOJOS GEED IN DESIGN ARE AS POLCOVIS. MAPPED ACCELERATION PARAMETERS SEISMIC INPORTANCE FACTOR SITE CLASS SEISMIC IDEDISIN CATEGORY BASIC SEISMIC-FORCE RESISTING SYSTEM
- RESPONSE MODIFICATION FACTOR
 OVERSTRENGTH FACTOR
 DEFLECTION AMPLIFICATION FACTOR
 SEISMIC RESPONSE COEFFICIENT
 DESIGN BASE SHEAR R = 3.5 $D_0 = 3.0$

a = 3.0 2a = 0.3302 V = Ca X W ... *1 ENT LATERAL FORCE

GENERAL FOUNDATION NOTES

D TO ACHIEVE MIN. NET ALLOWABLE SOL BEARING PRESSURE. ALL FOOTINGS SHALL BE CONSTRUCTED UPON NATIVE SOLI OR ENGINEERED FILL WITH A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 1500 PSF. NO GEOTECHNICAL

THE SOL SUBGRADE FOR ALL FOOTINGS AND SLABS SHALL BE INSPECTED AND APPROVED BY THE OWNER'S TESTING AGENCY IMMEDIATELY PRIOR TO PLACING FOUNDATION CONCRETE OR CONCRETE SLABS.

THE UPPER 12° OF ALL SLAB SUBGRADES SHALL BE COMPACTED TO 36 PERCENT OF FOUNDATION ELEMENTS, FOOTINSS, WALLS, AND PTS SHALL BE FLACED IL ALVERS NOT TO SUCCED B''N THIKNESS AND SHALL BE COMPACTED TO 39 PERCENT OF MAXMUM DENSITY AT OPTMUM MOISTURE CONTENT (ASTM D1557) TO WITHIN 12° OF THE SLAB SUBGRADE.

ALL ORGANIC AND / OR OTHER UNSUITABLE MATERIAL SHALL BE REMOVED FROM FOUNDATION AND SLAB SUBGRADE AND BACKFILL AREAS, AND THEN BACKFILLED WITH ACCEPTABLE GRANULAR FILL COMPACTED TO 59 FERCENT OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM DIS57).

NO SLABS OR FOOTINGS SHALL BE PLACED INTO OR AGAINST SUBGRADES CONTAINING FREE WATER. SHOULD WATER ENTER A FOOTINGISLAB EXCAVATION AFTER SUBGRADE APPROVAL. THE SUBGRADE SHALL BE REINSPECTED BY THE OWNER'S SOLT ESTINGL LABORATORY AFTER REMOVAL. OF WATER.

THE CONCRETE FOR EACH ISOLATED FOOTING SHALL BE PLACED IN ONE (1) CONTINUOUS POUR. ALL PERIMETER WALL AND COLUMN FOOTINGS SHALL BEAR A MINIMUM OF 20' BELOW THE FINISHED GRADES.

GENERAL EXCAVATION NOTES

THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND PRECAUTIONS INCRESSARY TO PREVENT DAMAGE AND MINUTES STITL MENT OF EVISION OR IN INCRUSTING TO INTRUCTION INCRESSARY TO PREVENT DAMAGE ANY DAMAGE TO NEW OR EXISTING CONSTRUCTION, INSIDE OR OUTSIDE OF THE PROJECT LIMITS, CAUSED BY CONSTRUCTION TECHNIQUES OR INCREMENTS OF SOL SURROUNDING THE GENERAL EXCAVATION, IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

ALL EXCAVATIONS SHALL BE BASED UPON ENGINEERED DRAWINGS PREPARED BY THE CONTRACTOR INCLUDING PLANS AND SECTIONS OF EXCAVATION SEQUENCES.

THE GENERAL EXCAVATION AGROSS THE SITE SHALL NOT EXTEND DEEPER THAN THE SLAB ON GRADE SUBGRADE ELEVATION THE EXCAVATIONS FOR SPREAD FOOTING, PTR. AND TRENDERS SHALL BE EXCAVATED ON IN NOMEVIAL. LOCATED BASIS DOWN FROM THE SLAB-ON-GRADE SUBGRADE. THE LAST 6 NOMES OF EACH EXCAVATION SHALL BE HAND EXCAVATED TO A TRM, LEVEL SURFACE.

ALL EXCAVATION BELOW THE SLAB LEVEL REQUIRED FOR PITS AND TRENCHES SHALL BE RETAIN LOCALZED SOLR RETENTION SYSTEMS, AS MAY BE NECESSARY, BASED ON THE CONTRACTOR'S DESIGN USING APPROPRIATE EARTH AND HYDRALLO PRESURES AND THE CONSTRUCTION LOADINGS

THE CONTRACTORS SHALL PROVIDE POSITIVE PROTECTION (MAT / SHEET COVERINGS), FOR ALL EXCAVATION SLOPES, TO PROTECT SLOPES FROM INSTABILITY AND DETERIORATION DUE TO RAIN OR WIND

THE SITE SHALL BE DEWATERED, AS REQUIRED, BEFORE (OR AS) THE EXCAVATION PROCEEDS. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION AND EQUIPMENT FOR THE DEWATERING SYSTEM AT LITLARES, THE CONVERTING SYSTEM SHALL MANTAN THE WATER LEVEL A MANTANEO ONTIL THE THE DEWATERY CONDACTOR DURCHARD. THE DEWATERING'S SYSTEM SHALL BE MANTANED ONTIL THE STATUS SHALL BE AN ALCON AND THE FEMALENES UNDER OWNLING SYSTEM STATUS OF DEVENTION.

EXISTING CONDITION NOTES

Notified as Under bergehant zus aufwahlt die Namerikaamste Aan basier under Namerikaamste die Bestehende of voor ander Namerikaamste die N

BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHA FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ALL RECESSARY BRACKING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE I OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE E WORK WHICH ARE TO REMAIN.

PRIOR TO THE SUBMISSIONS OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE SITE TO F THEMSELVES WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOUNT AND ADDITION OF THE CONFIRM THAT THE WORK CAN BE ACCOUNT ADDITION OF THE CONTRACTOR PROVIDENT OF THE CONTRACTOR THAT THE AUTOMIC TO BIDDING.

EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED IN FIELD BY THE CONTRACTOR PRIO CONSTRUCTION. IF SIGNIFICANT DEVIATIONS OR DETERIORATION ARE ENCOUNTERED AT THE CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ERECTION OF ALL SHO TO SAFEGUARD THE EXISTING STRUCTURE. THE SHORING SHOWN IS A PARTIAL AND SCH PERFERENTION OF THAT RECURPS.

ASSUMED EXISTING STRUCTURAL PROPERTIES NOTE

CONCRETE COMPRESSIVE STRENGTH: fc = 3000 PS EXISTING CMU COMPRESSIVE STRENGTH: fm = 1500 PSI

EXISTING REINFORCING BARS: ASTM A615 - GR. 40

EXISTING WIDE FLANGES AND ANGLES: ASTM A36 (Fy = 36 KSI)

EXISTING DESIGN SOIL BEARING GEOTECHNICAL REPORT)

REINFORCED CONCRETE NOTES PROPORTI FOLLOWS: RETE MIXTURE WITH EXPOSURE F0 AS

- 3,000 PSI AT 28 DAYS 0.55 4 INCHES, PLUS OR MINUS 1 INCH. 1 INCH 0 PERCENT TO 3 PERCENT MINIMUM COMPRESSIVE STRENGTH: MAXIMUM WATER-CEMENTITIOUS MATERIALS RATIO: SLUMP LIMIT: NOMINAL MAXIMUM AGGREGATE SIZE: AIR CONTENT AT POINT OF DELIVERY:
- ALL CONCRETE SHALL CONTAIN AN APPROVED WATER REDUCING PLASTICIZING ADMIXTURE. APPROVED, HIGH RANGE, WATER REDUCING ADMIXTURES MAY BE UTILIZED. ALL CONCRETE FOR PERMETER PUTIADMIXTA AMALETIRE. THE ACTEMPONE DRIVED CONCRETE EXAMPLA ALL ASSO CONTROL TO AND A APPROVED AIR-PUTIADMIXTA AMALETIRE.
- ALL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO THE STANDARDS OF ASTM A615, GRADE 40 (F) = 60,000 PS().
- ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED, SPACED I FORMS, AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUT IN THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" A 01 36, AND THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315,
- THE CONTRACTOR SHALL SUBMIT CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS. INCLUDING STEEL SIZES, SPACING, PLACEMENT, AND SUPPORT DETAILS TO THE ARCHITECT FOR REVIEW PRIOR TO FARBICIATION
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING THE LOCATION OF ALL CONSTRUCTION JOINTS, CURBS, SLAB DEPRESSIONS, SLEEVES, OPENINGS, AND EMBEDMENTS TO THE ARCHITECT FOR
- ALL BAR SUPPORTS SHALL BE GALVANIZED. BAR SUPPORTS IN CONTACT WITH EXPOSED SURFACES SHALL ALSO BE PLASTIC TIPPED.
- FOOTINGS AND WALLS SHALL NOT BE SLEEVED OR BOXED-OUT OR HAVE THE REINFORCING INTERRUPTED EXCEPT AS SHOWN ON THE STRUCTURAL DRAWINGS.
- 9. SEE ARCHITECTURAL, HVAC, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WALL/SLAB
- 10. PROVIDE APPROVED CURING COMPOUND AND SEALER FOR THE TOP SURFACE OF ALL SLAB WORK, UNLESS NOTED OTHERWISE.
- 11. OPENINGS: A. IF ANY (ENGINE
- TENNOS: F ANY OPENNO NOT SHOWN ON THE PLAN IS REQUIRED, SECURE APPROVAL OF THE STRUCTURAL ENGINEER BEFORE PROCEEDING. PROVIDE TWO SERS AROLDA ALL SLAB AND WALL OPENNOS, EXTENDING 2 FEET BEYOND OPENNOS N EVERY DIRECTION, U.N.G. OPENNOS NOT EXCEEDING 16 NO-BES X 16 NO-BES X16 WORDES MAY BE SLEEVED AS REQUIRED BY VORKING THE REINFORCING STEEL AROUND THEM.
- 12. CONCRETE COVER: UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE CONCRETE COVER AS
- A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES B. CONCRETE EXPOSED TO EARTH OR WEATHER: 3 2 INCHES 1-1/2 INCHES
- #6 BARS THROUGH #18 BARS #5 BARS AND SMALLER OTHERS .ABS, JOINTS, AND WALLS NOT EXPOSED TO EARTH OR WEATHER: #14 BARS AND #18 BARS #11 BARS AND SMALLER 1-1/2 INCHES 3/4 INCH
- BEAMS, COLUMNS, PEDESTALS, AND TENSION TIES NOT EXPOSED TO EARTH OR WEATHER: 1-1/2 INCHES
- 13. INSOELLANEOUS: A. GROUT UNDER BEARING PLATES, SETTING PLATES, AND COLUMN BASE PLATES SHALL BE NON-SHRINKING TYPE, GROUT BELOW BEARING PLATES, SETTING PLATES, AND COLUMN BASE PLATES SHA BE INSTALLED ONLY AFTER THE STEEL IS PLANEED.
- CONCRETE CUTTING AND BORING: A. CONCRETE CUTTING AND BORING METHODS ARE "WAYS AND MEANS" OF CONSTRUCTION AND SHALL BE DETERMINED BY THE CONTRACTOR.
- TYPICAL LAP SPLICE AND DEVELOPMENT LENGTH

SCHEDULE (3000 PSI) BAR SIZE DEVELOPMENT LENGTH (dt) / LAP SPLICE CLASS A / LAP SPLICE CLAS A / LAP SPLICE CLASS A / LAP SPLICE CLAS A 12" 14.8" 22.2" ITES / ASSUMPTIONS: ASSUMES "BOTTOM" BARS. FOR BARS WITH MORE THAN 12" OF FRESH CONCRETE BELOW HORIZONTAL

ENGINS BY 1.3. CONCRETE: FOR LIGHTWEIGHT CONCRETE, DIVIDE LENGTHS BY 0.75. SSUMES UNCOATED REBAR. FOR EPOXY COATED REBAR, MULTIPLY LENGTHS BY 1.5. SSUMES REBAR YIELD STRENGTH, IY = 60 KSI. FOR OTHERS, MULTIPLY BY THE RATIO OF YIELD ASSUMES HEBAH TIELD OTTEND TRENGTH TO 60 KSI. ASSUMES SIDE COVER FACTOR (bldb > 2.5

INGTHS BASED ON CONCRETE STRENGTH, fc = 3000 PSI

- REPAIRS AND REPLACEMENTS NOTES IN THE EVENT OF DAMAGE, THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEN AT NO ADDITIONAL COST TO THE CLIENT AND/OR BUILDING OWNER.
- EXISTING INTERIOR OR EXTERIOR FACADES REMOVED FOR WALL OPENINGS OR ANY WORK SHALL BE REPLACED TO MATCH THE EXISTING CONDITIONS.
- CUTTING AND PATCHING: WHERE EXISTING ELEMENTS OF THE BUILDING ARE REQUIRED TO BE O ALTERED OR REMOVED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PRE DAMAGE TO OTHER PORTRONS OF THE EXISTING BUILDING, INCLUDING, BUT NOT LIMITED TO, THE BRACING AND SUPPORT REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY. UPON COMPLETION OF T WORK ALL EXISTING MATERIALS, SYSTEMS AND ASSEMBLIES BRALLE BE REFLACED, REPARED, OF F MATCH OF EXCEED THE FT, FINSH AND PERFORMANCE OF PREVIOUS CONDITIONS, DO NOT PROCE WORK UNIT, UNASTRIFACTORY CONDITIONS WIGH AFECT SAFETY, STRUCTURAL INTEGRITY OR V

WORK UNTIL UNSATISFACTORY CONDITIONS WHICH TIGHTNESS OF THE BUILDING ARE CORRECTED. PROTECTIONS: PROTECT WITH TEMPORARY BAR PREVENT INJURY OR DAMAGE TO PERSONS OR P RINGS, OR OTHER PROTECTIONS TO CONTRACTOR SHALL BE RESPONSIBLE FOR AGE CAUSED BY HIS/HE

TEMPORARY SHORING

THE SHORING AND TEM TEMPORARY BRACING SHALL BE ADEQUATE T CONSTRUCTION LOAD HE COMPLETE RESPONSIBILITY OF THE CONTRACTO LIMNS, SLABS, BEAMS, GIRDERS, AND TRUSSES IF THE STRUCTURAL SYSTEM AND ANY TEMPORARY CTURAL SYSTEM. IND OTHER METHODS IN ORDER TO ENTS TRUE AND IN PLACE DURING F ALL STAGES OF CONSTRUCTION UNTIL MRF THE SAFETY STABILITY AND INTEGR SUFFICIENT PE

3. THE TEMPORARY STRUCTURE.



STRUCTURAL STEEL NOTES

- ALL 51 HOUTOPAL 51 EEL WILL 100 GrC (Fy = 50 KSI), ALL HSS ROUND TUBES SHALL BE ASTM 500 GrC (Fy = 46 KSI ALL STRUCTURAL ANGLES, CHANNELS, AND PLATES SHALL BE AS72 GR. 50 (Fy = 50 KSI), UNLESS NOTED

SPECIAL INSPECTION AND TESTING (CBC 2022 - 1704-1706)

SPECTION

TANCE OR REJECTION OF WELDED JOINT OR MEMBER

ADS ARE TO BE EXCLUDED FROM SHEAR PLANE) G PROCEDURE SELECTED FOR JOINT DETAIL

PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER 9 FASTENER COMPONENTS

IOTATING ASTENERS ARE PRETENSIONED IN AC

DUCED BEAM SECTIONS (RBS)

D BE HOT

) FIELD

PERPENDICULAR PLYWOOD PARTIAL PENETRATION PREFARBICATED

POLINDS PER SOLIARE

FOOT POUNDS PER SQUAR

PARALLEL STRAND LUMBER POST-TENSIONED PRESSURE TREATED RADIUS ROOF DECK REFER / REFERENCE REINFORCING RECUIRED

REINFORCING REQUIRED RETAINING ROOF TOP UNIT STEEL COLUMN SPECIAL CONCEI BRACED

SCHEDULE

SIMILAR SPECIAL MOMENT SLAB ON GRADE SPECIFICATION SQUARE STUDRAIL SQUARE FOOT

STAINLESS STEE STAGGER / STAG

TOP TOP OF TOP & BOTTOM TOP CHORD AXIA TOP CHORD EXT

TIE DOWN SYSTEM TONGUE & GROOVE

THROUGH TRANSVERSE TYPICAL UNIFORM BUILDIN

UNREINFORCED MASONRY UNIT

WITH WITHOUT WALL FOOTING WELDED HEADE WORKING POIN WELDED WIRE I PLUS OR MINUS

THICKENED THREADED

UNIFOR

STEEL STRUCTURAL SOLID WEB WOOD JOIS SYMMETRICAL

POUNDS F LL. . INCH PARALLEL STRAND

FASTENER COMPUNENTS DURING BOLTING: FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AN WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED JOINT BROUGHT TO SNUG TIGHT CONDITION PRIOR TO THE PRETENSIONING

AFTER BOLTING: DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS

CONCRETE CONSTRUCTION - 1705.3 INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VER BLACEMENT.

NUCHAIN INFORCING BAR WELDING: IRIFY WELABLITY OF REINFORCING BARS OTHER THAN ASTM A706 SPECT SINGLE PASS FILLET WELDS, MAXIMUM 5'16" SPECT ALL OTHER WELDS

b [INSPECT SIGNAL CHEEN WEDS
 c [INSPECT AUCHORS CAST IN CONCRETE
 INSPECT AUCHORS CAST IN CONCRETE
 A [INSPECT AUCHORS CAST. INSTALLED IN HARDENED CONCRETE MEMBERS:
 Antersive Auchors INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINE

ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLI ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS
 MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.9
 VERIFY USE OF REQUIRED DESIGN MIX

6 PRIOR TO CONCRETE PLACEMENT, FARRICATE SPECIMENS FOR STRENGT TESTS, PERFORM LUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE

APPLICATION TECHNIQUES
 VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND

ITECHNOUES
 INSPECT PRESTRESSED CONCRETE:
 A APPLCATION OF PRESTRESSING FORCES
 D GROUTING OF BONDED PRESTRESSING TENDONS
 INSPECT ERECTION OF PRESTRESSING TENDONS

5 PRIOR TO PLACEMENT OF COMPACTED FILL, THAT SITE HAS BEEN PREPARED PROPERLY

SERVICEABILITY CRITERIA

EXTERIOR WALLS: WITH OTHER BRITTLE FINISHES INTERIOR WALLS: WITH OTHER BRITTLE FINISHES

2. WIND DRIFT CRITERIA: • SECTION CC.2.2 ASCE 7.16

SERVICEABILITY CRITERIA FOR DEFLECTION (CB

STRUCTURE: BRITTLE WALL FINISHES
 DRIFT LIMIT: H 600 (H IS THE BUILDING HEIGHT)

SEISMIC DRIFT CRITERIA: ALLOWABLE STORY DRIFT (TABLE 12.12-1 ASCE 7-16)

RISK CATEGORY: W STRUCTURE: OTHER MASONRY SHEAR WALL STRUCTURES ALL OWARI F. STORY DRIFT: 0.007h₆₄

ROOF MEMBERS: SUPPORTING NON PLASTER CEILING 1/240 1/240

IMPERATURE OF THE CONCRETE SPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER

URBOTH OF DEPENDING FINANCIAL CONCRETE MEMBERS VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS I POST-TENSIONED CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS I POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS

12 INSPECT FORMWORK FOR LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED

3 PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURIN PLACEMENT AND COMPACTIVE COMPACTING OF COMPACTING AND LIFT THICKNESS DURIN

VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHEVE THE DESIGN BEARING CAPACITY

VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACH PROPER MATERIAL

1/240

LORL, SORW D+L

1/180

a DOCUMENT ACCEPTANCE OF RELECTION OF BOLIED CONNECTIONS
 OTHER STEEL INSPECTIONS:
 a ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL
 b FABRICATED STEEL OR ERECTED STEEL FRAME

IATION ENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM

CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS

IDE TYPE BOLT

REFER TO CBC DE

INSE

X N/A X N/A

X X X X X X

¥

х

х

х

х

х

NA

NA

х

х

N/A N/A

х

NA

х

NA

x

Х

х

N/A N/A

ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPI AGENCY. THE SPECIAL INSPECTOR FROM THIS TESTING AGENCY S CONFORMANCE TO THE DESIGN DRAWINGS AND SPECIFICATIONS

THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS AND ARCHITECT OF RECORD, AND ALL OTHER DESIGNATED INDI BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRE AUTHORITY AND TO THE BUILDING OFFICIAL, IF NOT CORRECTED

THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT I REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPE WITH THE APPROVED DESIGN DRAWINGS, SPECIFICATIONS, SOLE WORKMANSHIP PROVISIONS OF THE CALIFORNIA BUILDING CODE.

5. THE FOLLOWING ITEMS MARKED "X" REO FOR FURTHER INFORMATION

4. JOB SITE VISITS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT CONST INSPECTION

STRUCTUR

STRUCTURAL NOTE

OUNDATIO

D200

S000

SHEET INDEX

ARCHITECTURE

WWW.HOLTARCHITECTURE.COM

WT Group

C 96312

Ctos

SOUTH LENA RD. BERNARDINO, CA

200 SAN

SAN BERNARDINO COUNTY

JECT NO .: J2

STRUCTURAL

NOTES

S000

NED: 06/14/2024

OUNT

ŌШ

DINO (CRIME

Шω

BERNA!

AN

ш Ξ

S

- ALL BOLTS, NUTS, AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325 OR A490. ALL BOLT HOLES SHALL BE FULLY TORQUED FOR BOTH FRICTION AND BEARING TYPE CONNECTIONS. ALL BOLT HOLES SHALL BE "STANDARD SIZE" UNLESS NOTED OTHERWISE.
- 3. ALL WELDING ELECTRODES SHALL BE E70XX. 4. ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO AISC SPECIFICATIONS AND CODES, LATEST EDITION.
- ALL WELDING WORK SHALL CONFORM TO THE AWS "STRUCTURAL WELDING CODE STEEL", LATEST EDITION, AND SHALL BE PERFORMED BY AWS QUALIFIED WELDERS.
- 6. THE CONTRACTOR SHALL SUBMIT DETAILED, COORDINATED AND CHECKED SHOP DRAWINGS FOR ALL STRUCTURAL STEEL TO THE ENGINEER FOR REVIEW PRIOR TO THE START OF FABRICATION AND / OR ERECTION.
- 7. ALL CONNECTIONS, UNLESS NOTED OTHERWISE, SHALL BE SIMPLE SHEAR CONNECTIONS UTILIZING HISP STRENGTH BOLTS IN BEARING-TYPE CONNECTIONS, WITH THREADS INCLUDED IN THE SHEAR PLANE.
- . BEAM TO COLLINN CONNECTIONS SHALL BE MOMENT CONNECTED WHERE AND AS SHOWN. THE WEB SHEAR CONNECTION FOR THESE MOMENT CONNECTIONS SHALL UTILIZE SINGLE SHEAR FLATE CONNECTIONS WITH HIGH STEREATH BOLTS IN FRICTION TYPE CONNECTIONS WITH THREADS INCLUDED IN THE SHEAR PLANE UNLESS NOTED OTHERWISE.
- MINIMUM FILLET WELD SIZE SHALL COMPLY WITH THE AISC SPECIFICATION REQUIREMENTS, BUT SHALL NO' BE LESS THAN 14" INCH, UNLESS OTHERWISE NOTED.
- ALL SIMPLE SHEAR CONNECTIONS SHALL BE CAPABLE OF END ROTATION AS PER THE REQUIREMENTS OF THE AISC SPECIFICATION, SECTION ON UNRESTRAINED MEMBERS. SHOP AND FIELD, TESTING AND INSPECTION, OF STR JCTURAL STEEL FABRICATION AND ERECTION WORK ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL BE AS FOLLOWS: ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL BE VISUALLY INSPECTED.

- LESTING AND INSPECTION WORK. STRUCTURAL STEEL FARRICATOR AND ERECTION SHALL SCHEDULE (E INSPECTION AND TESTING REQUIREMENTS TO BE COMPLETED. LLOW THE
- UP PROVIDE ALL BEAMS, JOISTS, AND TRUSSES SHALL BE FABRICATED WITH THE ADDITIONAL CAMBERS AS INDICATED ON THE STRUCTURAL DRAWIN
- 13. AFTER FABRICATION, ALL UNEXPOSED STRUCTURAL STEEL SHALL SCALE AND OTHER FOREIGN MATERIALS. IMMEDIATELY AFTER CLE OF ALL BUST LOOP ALKYD PRIMER, MINIMUM 1.5 MIL DRY FILM THICKNESS. SPECIAL PRO PAINTING OF EXPOSED STRUCTURAL STEEL ARE INDICATED ON THE
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL SEQUENCES ESPECIALLY WITH RELATION TO TEMPERATURE DIFFEREN
- THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS, FOI WITHOUT THE PRIOR REVIEW OF THE ARCHITECT.



 THE STEEL FRAME OF STANDARD PRA ELEMENTS REQUIN WEB TRUSSES, ANI CONNECTIONS: / CONNECTIONS T IS TO BE BOLTED. SHO

UBLE ANGLE CONNECTIONS OR SINGLE PLATE S PPORT CONDITION). FOLLOW INSTRUCTIONS ON ALL CONNECTION (DESIGNED FOR A ONS

MENTS, AND AL D ON THE DRAWINGS AS "GALVANIZED" SHA SED TO THE ELEMENTS THAT IS TO BE FIELD

FD FDN FIN FLR FRP

FTG

GL GWB H HF HGR

HD HORIZ HP HSS

IBC

k KSR

LL LLH LLV

LVL

MAS MAX MECH MFR MIN MISC MSW MW NIC NTS OC OCB

OD OF OPNG OPP OWSJ OWWJ P PAF

PC

COLUMN BASE CAST IN PLACE

COMPLETE JOIN PENETRATION CLEAR CONCRETE MAS UNIT COLUMN

COLUMN CONCRETE CONNECTION

CONSTRUCT CONSTRUCT CONCRETE F COUNTERSIN

CENTERED DIAMI COLD FORMED S DIAMETER DROP BEAM DEFORMED BAR ANCHOR DOUBLE

DOUBLE

DEVELOPMEN DOUGLAS FIR

DISTRIBUTED DEAD LOAD DOWN DITTO DEPTH/DEEP

DRAWING EXISTING EACH EACH FACE

ELECTRICAL ELEVATOR

EMBEDMEN EQUAL EQUIPMENT

EACH WAY EXPANSION

CLR

COL CONC CONN CONST CONT CP

C SINK CTRD CFS DB DBA DBA DEW DF DIAG DIST DL DN DO DP DIAG DIST DL DN DO DP DWG (E) EA EF EL ELEV EMBELE EQUIP EXP EXP ST EXP

SCELLANEOUS . URAL DRAWINGS OBTAI



PER

PREF

PSI

PSL

P.T PT RD REF REINF REQD RET RTU SC SCB

SCHED SHTHG SIM SMF SOG SPEC SQ SR SF

SST STAGG STD STIFF STL STRUC' SWWJ SYM T T/

T/ T&B TC AX LD TCX TDS T&G THKND THRD THRU THRU THRU THRUSV TYP UBC UNO

URM

W W/ WF WHS WP WWF

ABBREVIATIONS

FIBENGLAG REINFORC FOOTING FACE OF GAGE GALVANIZE

GEOTECHNICAL GLUE LAMINATED GLUE LAMINATED GYPSLM WALL BC HEADER HEM-FIR HANGER

INTERNATIONAL BUILDING CODE INSIDE DIAMETER INVERT ELEVATION

INTERION KIPS KIPS PER SQUARE F LINTEL LINEAL FOOT

LINEAL FOOT LINE LOAD LONG LEG HORIZONTAL LONG LEG VERTICAL LONG VERTICAL LONG TUDINAL LONGITUDINAL LAMINATED STRAND LUMBER LAMINATED VENEER LUMBER MAGONRY MAGONRY

MASONRY MAXIMUM MECHANICAL MEZZANINE MANUFACTURER MINIMUM MISOELLANEOUS MASONRY SHEAR W MASONRY SHEAR W MASONRY WALL NOT IN CONTRACT NOT TO SCALE ON CENTER

ENTER NARY CONCENTRIC

BRACED OUTSIDE DIAMETER OUTSIDE FACE OPENING OPENING OPEN WEB STEEL JOIST OPEN WEB WOOD JOIST PLATE POWDER ACTUATED

PLATE POWDER ACTUATED FASTENER PRECAST

HOLD-DOWN HORIZONTAL HIGH POINT = TS (HOLLOW

INSIDE FACE





