DESIGN CRITERIA

LOCATION: JOHNSONVILLE, NORTH CAROLINA BUILDING CODE: 2018 NORTH CAROLINA BUILDING CODE OCCUPANCY CATEGORY III BASIC LATERAL FORCE RESISTING SYSTEM:

INTERMEDIATE REINFORCED MASONRY SHEAR WALLS

ROOF CORRIDORS MECHANICAL PLATFORM	20 PSF 100 PSF 150 PSF
EQUIPMENT LOADS (OPERATING WEIG IDU-1 THRU IDU-12 DOAS-1 & DOAS-2	GHT) 157 LBS 702 LBS
SUPERIMPOSED DEAD LOADS SUSPENDED CEILING + MEP ROOFING ALLOWANCE	10 PSF 10 PSF
ROOF SNOW LOAD	$\begin{array}{l} {P_g} \ = \ 10 \ {PSF} \\ {C_e} \ = \ 0.9 \\ {I_s} \ = \ 1.1 \\ {C_t} \ = \ 1.0 \\ {P_f} \ = \ 7 \ {PSF} \\ {P_m} \ = \ 11 \ {PSF} \end{array}$
RAIN ON SNOW	15 PSF
WIND LOAD	V = 124 MPH (3 SECOND GUST) EXPOSURE C DESIGN (DESIGN/ULTIMATE) WIND BASE SHEAR: $V_{22} = 120k$, $V_{23} = 160k$

INTERNAL PRESSURE COEFFICIENT = ±0.18 COMPONENTS & CLADDING PER ASCE 7

	FIGURES 30.5-1									
WIN	WIND LOADS ON COMPONENTS & CLADDING FOR GIVEN TRIBUTARY AREAS (psf)									
	ZONE 10 SQ FT 20 SQ FT 50 SQ FT 100 SQ FT 500 SQ FT									
	1	+20.7/-32.8	+18.8/-31.9	+16.4/-30.7	+14.6/-29.8	+14.6/-29.8				
ROOF	2	+20.7/-57.1	+18.8/-52.5	+16.4/-46.5	+14.6/-41.9	+14.6/-41.9				
Ľ	3	+20.7/84.4	+18.8/-79.0	+16.4/-71.7	+14.6/-66.2	+14.6/-66.2				
OF ANG	2	-67.1	-67.1	-67.1	-67.1	-67.1				
RO 0'H/	3	-112.8	-101.8	-87.2	-76.2	-76.2				
١L	4	+35.8/-38.9	+34.2/-37.3	+32.1/-35.1	+30.5/-33.5	+26.7/-29.8				
WA	5	+35.8/-48.0	+34.2/-44.8	+32.1/-40.5	+30.5/-37.3	+26.7/-29.8				

DETERMINE WIND LOADS ON COMPONENTS IN ACCORDANCE WITH THE NCSBC AND ASCE-7 OR WITH THIS TABLE. REFERENCE ASCE 7-10 FIGURE 30.5-1. TRIBUTARY AREA = GREATER OF LxW OR LxL/3. DESIGN FOR ALLOWABLE CAPACITY USING LOADS FROM ASCE-7 OR FROM

- THIS TABLE. DEFLECTIONS MAY BE CALCULATED BASED ON 70% OF THESE LOADS.
- POSITIVE PRESSURES ARE DIRECTED TOWARD THE INTERIOR. NEGATIVE LOADS ARE DIRECTED AWAY FROM THE INTERIOR. NEGATIVE ROOF LOADS ARE UPLIFT LOADS.
- NET UPLIFT IS EQUAL TO THE GROSS UPLIFT LOAD CALCULATED FROM ASCE-7 OR FROM THIS TABLE MINUS 60% OF THE ROOFING ALLOWANCE SUMPERIMPOSED DEAD LOAD SHOWN ON S100

SEISMIC CRITERIA SEISMIC DESIGN VALUES DETERMINED UTILIZING 2008 USGS HAZARD DATA SPECTRAL RESPONSE ACCELERATIONS $S_s = 0.203g$ $S_1 = 0.093g$

SITE CLASS C SPECTRAL RESPONSE COEFFICIENTS SEISMIC DESIGN CATEGORY B DESIGN ULTIMATE SEISMIC BASE SHEAR: IMPORTANCE FACTOR DESIGN SEISMIC RESPONSE COEFFICIENT RESPONSE MODIFICATION FACTOR R = 3.5

 $S_{ds} = 0.163g$ $S_{d1} = 0.105g$ $V_y = 123k$ $V_y = 123k$ l_e = 1.25 $C_{s} = 0.058$

SPECIAL INSPECTION REQUIREMENTS THE FOLLOWING SYSTEMS ARE SUBJECT TO THE SPECIAL INSPECTION

- **REQUIREMENTS OF THE NCSBC, CHAPTER 17.** CAST-IN-PLACE CONCRETE
- MASONRY
- STRUCTURAL STEEL STEEL JOIST
- STEEL DECK SOILS

SPECAIL INSPECTIONS FOR WIND RESISTANCE 7.

GENERAL NOTES

- GENERAL DESIGN, FURNISH, AND INSTALL TEMPORARY SHORING, BRACING, AND OTHER TEMPORARY SUPPORTS REQUIRED FOR CONSTRUCTING THE STRUCTURE AND TO MAINTAIN THE STABILITY THROUGHOUT ALL PHASES OF CONSTRUCTION UNTIL THE STRUCTURE IS COMPLETED. ALL TEMPORARY SUPPORTS ARE TO
- BE REMOVED UNLESS NOTED OTHERWISE. USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF OTHER TRADES.
- COORDINATE WITH OTHER TRADES THE ACTUAL LOCATIONS AND SIZES OF OPENINGS AND PENETRATIONS REQUIRED BY THEIR WORK.
- COORDINATE WITH OTHER TRADES THE ACTUAL LOCATIONS AND ELEVATIONS 4. OF BURIED SERVICES PASSING NEAR FOUNDATIONS. UNDERGROUND SERVICES WHICH PASS BENEATH WALL FOOTINGS SHALL HAVE AT LEAST 12" OF CLEARANCE BELOW THE BOTTOM OF THE FOOTING. WHERE THIS IS NOT ACHIEVED, EITHER STEP THE FOOTING DOWN BENEATH THE SERVICE OR INSTALL A STEEL PIPE SLEEVE FOR THE SERVICE TO PASS THROUGH. SLEEVES ARE FURNISHED AND INSTALLED BY THE TRADE INSTALLING THE SERVICE. NO SERVICE IS TO BE INSTALLED BENEATH COLUMN FOOTINGS UNLESS APPROVED BY THE ARCHITECT.
- COORDINATE WITH OTHER TRADES THE ACTUAL LOCATIONS AND TYPES OF 5. ATTACHMENTS AND ANCHORS THAT ARE REQUIRED BY THE TRADES TO FASTEN THEIR WORK TO THE STRUCTURE.
- MODIFICATIONS TO STRUCTURAL COMPONENTS AND INSTALLATION OF PENETRATIONS THROUGH STRUCTURAL MEMBERS ARE NOT PERMITTED
- WITHOUT PRIOR APPROVAL OF THE ARCHITECT. VERIFY ACTUAL DIMENSIONS, ELEVATIONS, AND CONDITIONS OF EXISTING
- CONSTRUCTION PRIOR TO PROCEEDING WITH WORK OR ORDERING MATERIALS WHICH COULD BE AFFECTED BY EXISTING CONDITIONS.
- SITE PREPARATION

SITE PREPARATION SHOULD BEGIN WITH THE DEMOLITION OF THE EXISTING PAVEMENT AND STRUCTURES AND DEBRIS REMOVAL WHERE NEW CONSTRUCTION WILL OCCUR. AS PART OF THE DEMOLITION, BURIED CONCRETE FOUNDATIONS ASSOCIATED WITH EXISTING MODULAR STRUCTURES SHOULD ALSO BE REMOVED. EXISTING UTILITIES THAT ARE TO BE ABANDONED SHOULD BE REMOVED OR FILLED WITH GROUT. THE EXCAVATIONS RESULTING FROM UTILITY REMOVAL SHOULD BE PROPERLY BACKFILLED WITH COMPACTED STRUCTURAL FILL AS DESCRIBED IN THE FILL MATERIAL TYPES AND COMPACTION SECTIONS OF THIS REPORT. UTILITIES THAT ARE TO REMAIN IN SERVICE SHOULD BE ACCURATELY LOCATED HORIZONTALLY AND VERTICALLY TO MINIMIZE CONFLICT WITH NEW FOUNDATION CONSTRUCTION.

PRIOR TO PLACING FILL, EXISTING VEGETATION AND ROOT MAT SHOULD BE REMOVED. COMPLETE STRIPPING OF THE TOPSOIL SHOULD BE PERFORMED IN THE PROPOSED BUILDING PAD.

FOLLOWING STRIPPING OF TOPSOIL, THE AREA SHOULD BE UNDERCUT TO 3 FEET BELOW EXISTING GRADE WITHIN THE BUILDING PAD AREA AND 5 FEET BEYOND THE LATERAL LIMITS OF THE BUILDING PAD AREA. ONCE MATERIALS HAVE BEEN REMOVED, THE ENTIRE AREA SHOULD BE VIBRATORY COMPACTED IN PLACE AND PROOFROLLED.

) GENERAL FILL SHOULD MEET THE FOLLOWI	NG REQUIREMENTS	CAS 1 1.	T-IN-PLACE MATERIALS					STEEL DEC 1. MAT	CRIALS	
ITEM	STRUCTURAL FILL GEI	NERAL FILL		A. PORTLAN B. FLY ASH:	D CEMENT: ASTM ASTM A618, CLAS	I C150, TYPE I. SS C OR F.			A.	COMPOSITE STEEL FLOOR DE GRADE 50, G60 GALVANIZED (ECK: 3" DEEP, COATING.
MAXIMUM	8 INCHES OR LESS IN LOOSE SAME AS THICKNESS WHEN HEAVY, SELF- STRUCTU	S URAL FILL		C. NORMAL-V D. REINFOR	WEIGHT AGGREG CING STEEL: ASTI	GATE: ASTM AS M A615 GRADE	STM C33, CLASS 3M. E 60.		В.	STEEL ROOF DECK: 1 1/2" DEE A653, SS, GRADE 33, G60 GAL	EP, TYPE B (V VANIZED CO
THICKNESS	PROPELLED COMPACTION EQUIPMENT IS USED			E. REINFORG	CING STEEL, WEL	DABLE: ASTM	A706. SHEETS		C.	POUR STOPS, GIRDER FILLER COVER PLATES, OTHER STEE	دS, COLUMN, L SHEET DEC
	4 TO 6 INCHES IN LOOSE THICKNESS WHEN HAND- GUIDED			G. UNDER-SL	LAB DRAINAGEFIL	L: 4" WASHED	CRUSHED STONE,			THICKNESS AS REQUIRED FO DECKING THICKNESS; OF THE	R STRENGTH
	EQUIPMENT (I.E. JUMPING JACK OR PLATE COMPACTOR) IS USED			H. VAPOR BA	ARRIER: ASTM E1	745, CLASS B; S THICKNESS	FIVE-PLY, NYLON OF	R	D.	DECKING MATERIAL. MECHANICAL FASTENERS: CC	DRROSION RE
MINIMUM	MINIMUM 95% OF THE 92% OF N	MAX	2	I. WATERST	OP: SELF EXPAN	DING.			E.	CARBON STEEL SCREWS, #10 WELD ELECTRODE: IN ACCOF) MINIMUM DIA RDANCE WITH
COMPACTION REQUIREMENTS	MATERIAL'S MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D		Ζ.	A. FOOTING	S & GRADE BEAM	S: 3000 PSI NW	V		2. FAB 29. F	RICATE AND ERECT DECK IN ACC PERFORM WELDING IN ACCORDA	CORDANCE W
	698).			C. SLABS-ON	N-GRADE S000 PS	D TO WEATHE	ER: 4500 PSI NW, AIR	-	CER 3. CUT	RTIFIED WELDERS. TAND NEATLY FIT DECK AROUND) OPENINGS A
	THE UPPER 12 INCHES OF SUBGRADE IN PAVEMENT AREAS		2	D. SUPPORT	ED SLABS ON ST	EEL DECK: 350	0 PSI LW	N 201	PRC 4. PRC	DJECTING THROUGH THE DECK. DVIDE ADDITIONAL SUPPORT AND) CLOSURE P
	SHOULD BE COMPACTED TO AT LEAST 98% OF THE MATERIALS		3. 4.	PROVIDE CONCR	RETE COVER AS F	OLLOWS:	WITH ACT 318 AND AC	JI 30 I.	STR 5. 3" D	RENGTH, CONTINUITY OF DECK, A	AND SUPPOR
	MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D 698).			A. CONCRET EARTH: 3"	E CAST AGAINST '	AND PERMAN	IENTLY EXPOSED TC		A.	AT SUPPORTS, WELD EDGE A	ND INTERIOF
WATER	LOW PLASTICITY AS REQU	JIRED TO ACHIEVE		B. CONCRET a. #5	CE EXPOSED TO E	ARTH OR WEA /2".	ATHER:		B.	WITH 5/8" NOMINAL DIAMETER	R PUDDLE WE
CONTENT RANGE	COHESIVE: -2% TO +3% OF MIN. COM OPTIMUM HIGH PLASTICITY REQUIRE	MPACTION EMENTs		b. #6 C. CONCRET	OR LARGER: 2". E NOT EXPOSED	TO EARTH OR	R WEATHER:		C.	DIAMETER PUDDLE WELDS SI AT SIDE LAPS INSTALL #10 SE	PACED A MAX
	COHESIVE: 0 TO +4% OF			a. SL/ b. BE	ABS, WALLS, JOIS AMS, COLUMNS:	ST: 3/4" 1 1/2" TO PRIM	IARY REINFORCEME	NT,	о. П	INCHES APART.	
	3% OF OPTIMUM		5.	TIE PROVIDE CONTIN	ES, STIRRUPS, OR NUOUS REINFOR(R SPIRALS. CEMENT WHER	REVER POSSIBLE. SI	PLICE	E. 6 11/	END JOINTS: BUTTED OR LAP	PED.
1. MAXIMUM	DENSITY AND OPTIMUM WATER CONTENT AS	DETERMINED BY		ONLY AS SHOWN NUMBER OF BAR	NOR APPROVED.	MINIMUM LAP ALL BE AS FOL	LENGTHS, EXPRES LOWS:	SED IN	0. 11/2 A.	FASTEN ROOF DECK PANELS	TO STEEL SU
THE STAN 2. HIGH PLAS	DARD PROCTOR TEST (ASTM D 698). STICITY COHESIVE FILL SHOULD NOT BE COMP	PACTED TO MORE							Б	PERIMETER, OR SEAM WELDS	3 NOT LESS T
THAN 1009	% OF STANDARD PROCTOR MAXIMUM DRY DEN	NSITY.		BAR SIZE	NORMAL WT. CC 3000	4000	ENGTH, fc (psi) 5000		В.		A MINIMUM C
FOUNDATIONS 1. THE FOUN	NDATION DESIGN IS BASED ON THE REPORT OF	F SUBSURFACE		#6 OR SMALLER	57 DIA.	49 DIA.	44 DIA.		C.	UNIT. WELD SPACING: SEE ROOF D	ECK ATTACH
INVESTIGA REPORT.	ATION PREPARED BY TERRACON "GEOTECHNI JOHNSONVILLE ELEMENTARY SCHOOL PHASE	ICAL ENGINEERING II - CLASSROOM		#7 OR LARGER	71 DIA.	62 DIA.	55 DIA.		D.	FASTEN SIDE LAPS WITH #10 DECK ATTACHMENT PLAN ON	SELF-DRILLIN I S010. DECK
ADDITION	" DATED JANUARY 7, 2022.			MULTIPLY THE A	BOVE LENGTHS E	BY 1.3 FOR TOP	⊥ P BARS AND BY 1.3 F	OR	E.	REQUIRE SIDE LAP FASTENEF END BEARING: 1 1/2" MINIMUN	RS. Λ.
3 ALL STRUC	RAL FILL. NET ALLOWABLE BEARING PRESSUR	RE IS 2500 PSF.		LIGHTWEIGHT CO LAPPED, USE TH	ONCRETE. WHEF	RE BARS OF UN F THE SMALLE	NEQUAL DIAMETER A	RE	F. G.	END JOINTS: LAPPED DO NOT HANG ANYTHING FRO	OM THE ROOI
EXCEEDIN	IG 8 INCHES AND BE COMPACTED TO AT LEAST	T 95 PERCENT OF		LENGTHS ARE CI BARS WITH A CO	LASS "B" TENSION VER OF AT LEAS	N LAP SPLICES T 1 BAR DIA. AI	BASED ON GRADE (ND SPACING AT LEA	60 ST 3	H.	MECHANICAL FASTENERS OR HSN 24 OR EQUAL) MAY BE US	: POWER-DRI' SED IN LIEU (
BY ASTM [D-698. THE TOP 12 INCHES OF FILL IN LOAD BE			BAR DIA. LAP LE ACI 318 IF COVER	NGTHS SHALL BE R IS LESS THAN 1	INCREASED II BAR DIA, OR S	N ACCORDANCE WIT	TH AN 3	I.	BE AS SPECIFIED FOR WELDS PER AWS D1.3, A WELDING PF	3. ROCEDURE S
PROCTOR	MAXIMUM DRY DENSITY. ALL STRUCTURAL F		6	BAR DIA.						PROCEDURE QUALIFICATION METAL MUST BE SUBMITTED	RECORD (PQ TO THE EOR
THE SOIL'S	S OPTIMUM MOISTURE CONTENT (AS DETERM	IN 3 PERCENT OF INED BY ASTM	0.	SLEEVES, AND O	THER EMBEDDE	D ITEMS.		S PLATES,		APPROVAL PRIOR TO ANY DE	CK WELDING
CONTROL	. OF AN ENGINEERING TECHNICIAN WORKING L	UNDER THE	7. 8.	COORDINATE WI	ITH OTHER TRAD	ES FOR ANCH	ORS, EMBEDDED ITE	MS, SLEEVES,	1. M	ATERIALS	
COMPACT	N OF A GEOTECHNICAL ENGINEER. THE PLACE ION OF ALL FILL MATERIAL SHALL BE MONITOF	EMENT AND RED AND TESTED	9.	PROVIDE CONTR	ACTION JOINTS I	ND/OR FURNIS	GRADE WHERE INDIC	ATED ON THE	A. B.	LONG SPAN STEEL JOISTS:	IN ACCORDA
IN ORDER COMPACT	TO CONFIRM THAT THE RECOMMENDED DEGE ION IS BEING OBTAINED. IF AN IMPORTED STF	REE OF RUCTURAL FILL IS		THICKNESS.		EQUAL TO AT	LEAST 25% OF THE	SLAB	C.	SPECIFICATIONS. BRIDGING AND ACCESSORII	ES: IN ACCOF
REQUIREE PROJECT) TO COMPLETE SITE GRADING, IT SHALL BE AF GEOTECHNICAL ENGINEER PRIOR TO USE. IM	PPROVED BY THE	10.	INSTALL AND SEA	AL VAPOR BARRII	ER IN ACCORD S. LAP JOINTS	DANCE WITH ASTM E 6" AND SEAL WITH	1643 AND	D.	SPECIFICATIONS. HIGH-STRENGTH BOLTS: AT	FSM A325
STRUCTUI (LL<50, PI<	RAL FILL SHOULD TYPICALLY CONSIST OF LOW <25), HAVE A STANDARD PROCTOR MAXIMUM [V PLASTICITY SOIL DRY DENSITY OF	11.	MANUFACTURER FLOOR FINISHES	R'S RECOMMENDE	ED TAPE.			E. F.	. CARBON STEEL BOLTS: AST WELD ELECTRODE: IN ACCO	TM A307, GRA ORDANCE WI
AT LEAST MATERIAL	100 PCF, AND BE FREE OF ORGANIC AND OTHE .S. IF CLEAN SAND FILL IS NECESSARY TO REF	ER DELETERIOUS PLACE LOWER		A. FLOAT FIN COVERED	NISH: SURFACES) WITH FLUID-APF	TO RECEIVE A PLIED OR SHEE	TROWEL FINISH, TO) BE 6, OR TO BE	2. FA SF	ABRICATE AND ERECT JOISTS IN . PECIFICATIONS.	ACCORDANC
CONSISTE LESS THA	INCY SOILS IN THE BUILDING AREA, THE SAND IN 10 TO 12 PERCENT FINES.	SHOULD CONTAIN		B. TROWEL) WITH BUILT-UP (FINISH: SURFACE	OR MEMBRANE	E ROOFING. O VIEW OR COVERE	DWITH	3. PE AC	ERFORM SHOP AND FIELD WELDI CCORDANCE WITH AWS D1.1	NG WITH CEI
4. FINISHED S FEET OF F	SUBGRADES IN BUILDING AREAS RECEIVING M ILL SHALL BE MONITORED FOR SETTLEMENT [IORE THAN 7 DUE TO THE		RESILIEN OTHER TH	T FLOORING, CAF HIN FILM FINISH.	RPET, WOOD F	LOORING, PAINT, SE	ALER, OR	4. IN BC	ISTALL 3/4 INCH DIAMETER HIGH OLTED JOIST-TO-STRUCTURAL S	STRENGTH B TEEL, JOIST-
FILL LOAD	ING. SETTLEMENT MONUMENTS SHOULD BE IN OF THE FILL IMMEDIATELY UPON FILL COMPLE ¹	NSTALLED AT TION WITH		C. TROWEL QUARRY (AND FINE-BROOM OR CERAMIC TILE	1 FINISH: SURF E INSTALLED B`	FACES TO BE COVER BY THE THIN-SET OR	ED WITH THICK-SET	JC 5. IN	DIST SPLICE CONNECTIONS. ISTALL CARBON STEEL BOLTS IN	BOLTED COM
SETTLEME UNTIL SET	INT MEASUREMENTS TAKEN AT LEAST TWO PE TLEMENTS HAVE STABILIZED. CONSTRUCTION	ER WEEK N OF BUILDING		METHOD. D. BROOM F	INISH: EXTERIOR	CONCRETE PL	LATFORMS, STEPS, A	AND RAMPS	BF 6. IN	RIDGING AND JOIST ACCESSORIE ISTALL BRIDGING AND UPLIFT BR	ES. KIDGING AS RI
FOUNDATI CONFIRME	ONS AND PAVEMENTS SHALL NOT OCCUR UNT ED THAT SETTLEMENT DUE TO NEW FILL HAS S	TIL IT IS STABILIZED.	12.	FLOOR FINISH TO A. SLABS TO	OLERANCE:) RECEIVE TROW	EL OR TROWE	L AND FINE-BROOM	FINISH:	SF	PECIFICATIONS.	
5. NO FOUND GROUND.	ATIONS SHALL BE PLACED IN WATER OR ON F	ROZEN		a. SP b. MII	ECIFIED OVERAL	L VALUES: FF= LUES: FF=17 /	=25 / FL=20. FL=15		CONCRET	TE AND MASONRY ANCHORS PANSION ANCHORS: WEDGE TYP	PE. CARBON §
6. ALL FOOTI 7. ALL FINISH	NG EXCAVATIONS ARE TO BE FINISHED BY HAI IED FOUNDATION EXCAVATIONS SHALL BE INS	ND. SPECTED AND	13. 14.	FINISH SLABS FL NO CONDUIT OR	AT AND LEVEL. PIPE MAY BE RU	N WITHIN STRU	UCTURAL CONCRET	E MEMBERS	SIN	AILARLY TREATED FOR CORROSI	ON RESISTAN
APPROVEI CONCRETI) BY THE ARCHITECT OR HIS DESIGNATE BEFC E IS PLACED.	DRE ANY		EXCEPT WHERE	INDICATED.				2. EXI	PANSION ANCHORS SHALL HAVE CORDANCE WITH ACI 355.2 AND	BEEN TESTE
8. UNLESS O BE CENTE	THERWISE NOTED, ALL FOOTINGS AND PILAST RED UNDER SUPPORTED MEMBERS.	TERS SHALL	STRI 1.	UCTURAL MASONR SCOPE: THESE	X Y NOTES APPLY TO) LOAD BEARIN	NG MASONRY OR MA	SONRY	API 3 AD	PLICATIONS, OR ICC-ES ACO1 FC	OR USE IN MA
9. DOWELS F OR WALLS	ROM FOUNDATIONS INTO PIERS, COLUMNS, B ABOVE SHALL BE THE SAME SIZE AND NUMBE	BUTTRESSES, ER AS		THAT IS PART O	F THE LATERAL L L FOR OTHER MA	OAD RESISTIN SONRY.	IG SYSTEM. SEE		TW	OPART, PREPACKAGED AND PR	EMEASURED
VERTICAL WALLS AB	REINFORCEMENT IN PIERS, COLUMNS, BUTTR	ESSES, OR DRAWINGS.	2.	ALL MASONRY W REQUIREMENTS	VORK SHALL CON FOR MASONRY S	IFORM TO THE STRUCTURES"	E "BUILDING CODE ' (ACI530-13) AND		MA 4 AD	NUFACTURER'S INSTRUCTIONS.	
10. CAREFULL FOR BACK	Y FOLLOW THE REQUIREMENTS OF THE SPEC	CIFICATIONS DF THE	3.	"SPECIFICATION MATERIALS	S FOR MASONRY	STRUCTURES	6" (ACI530.1-13)		AC	CORDANCE WITH ACI 355.4 AND	ICC-ES AC308
BUILDING.	OUNDATION ELEMENTS ARE TO HAVE FILL ON I	BOTH SIDES.		A. CONCRET STRENGT	TE MASONRY UNI TH.	TS: ASTM C90,	, 2000 PSI MIN. UNIT		7.1.1		
EACH SIDE	E SHALL BE FILLED SIMULTANEOUSLY, MAINTAI	INING A		B. MORTAR: C. GROUT: A	: ASTM C270, PRC ASTM C476; SLUM	PORTION SPE P = 8" TO 11". (CIFICATION, TYPE S COMPRESSIVE STRE	NGTH	POST-INS	TALLED ANCHORS	
12. COORDINA	ATE UNDERFLOOR DRAIN REQUIREMENTS WITH	H =		f'c = 3000 D. MASONR	PSI Y f'm = 2000 PSI.				UNLESS O CONSIST (OTHERWISE INDICATED ON PLANS OF THE FOLLOWING ANCHOR TY	3, POST-INST PES, OR APP
13 CONTRACT		- OF SURFACE	4.	E. REINFOR	CING STEEL: AST NG AS FOLLOWS,	M A615, GRAD	E 60. Fs = 32,000 PS ED OTHERWISE.	I		ADHESIVE ANCHOR	MECH
AND UNDE	RGROUND WATER AS REQUIRED DURING CON	NSTRUCTION		#3 1' #4 2'	6" #7 5'-6" 0" #8 8'-6"				SOLID	HILTI HY 200 SAFE SET HILTI RE 500 SD	HILTI KWI
				#5 2' #6 4'	6" #9 10'-9" 0" #10 14'-0"				CONCRETE	E DEWALT/POWERS AC200+ DEWALT/POWERS PURE110+	DEWALT/ DEWALT/
1. ENGINEER	RABRICATE, AND INSTALL COLD-FORMED STI	EEL STRUCTURAL DR LOAD-BEARING	5.	INSTALL REINFO OTHERWISE.	RCING IN THE CE	NTER OF CELL	LS UNLESS INDICATE	Ð	GROUTED	HILTI HY 270	
WALLS. 2 ENGINEER	R FABRICATE AND INSTALL PERMANENT AND		6.	ADEQUATELY SE GROUT FILL.	ECURE REINFORC	NG TO PREVE	ENT MOVEMENT PRI	OR TO	MASONRY	DEWALT/POWERS AC100+GOI	LD DEWALT/
BRIDGING	, CONNECTIONS, AND ANCHORAGES TO THE P	PRIMARY STRUCTURE	7. 8.	GROUT ALL CEL ABOVE GRADE, (LS OF MASONRY GROUT ONLY REI	UNITS INSTALI	LED BELOW FINAL G LLS UNLESS INDICAT	RADE. ED	HOLLOW	HILTI HY 270 WITH APPROPRIA	
3. REFER TO	ARCHITECTURAL DRAWINGS FOR NON-LOAD	-BEARING COLD-FORMED		OTHERWISE.					OR BRICK	SCREEN TUBE DEWALT/POWERS AC100+GOL	_DEWALT/ ∟D
STEEL ME	MBERS NOT LISTED ABOVE.		STR 1.	UCTURAL STEEL MATERIALS					1. SU	BSTITUTION REQUESTS FOR ALT	ERNATIVE PI
A. AIS	I "SPECIFICATION FOR THE DESIGN OF COLD-F	FORMED STEEL		A. STRUCTU B. OTHER S	JRAL STEEL WIDE TRUCTURAL STEI	E FLANGE SHAF	PES: ASTM A992 IAPES: ASTM A36		API PR	PROVED IN WRITING BY THE STR IOR TO USE. CONTRACTOR SHAL	UCTURAL EN ∟L PROVIDE C
B. CC	FSS TECHNICAL BULLETIN: "AISI SPECIFICATIO	IN FOR SCREW		C. RECTANG D. STEEL PL	GULAR OR ROUNE ATE: ASTM A36	D HSS: ASTM A	500, GR B		DE AC	MONSTRATING THAT THE SUBST HIEVING THE PERFORMANCE.	ITUTED PRO
C. AIS	SI "DESIGN GUIDE FOR COLD-FORMED STEEL T	RUSSES".		E. HIGH STR F ANCHOR	RENGTH BOLTS: A	STM A325			2. INS INC	STALL ANCHORS PER THE MANUF	FACTURED IN
5. STRUCTU	RAL PERFORMANCE:		2	G. WELD ELI FABRICATE AND	ECTRODE: IN ACC		TH AWS D1.1 F WITH THE AISC		3. AD OV	HESIVE ANCHORS INSTALLED IN ERHEAD ORIENTATION TO SUPP	HORIZONTAL
A. DEA	THIS SHEET.	LISE GENERAL NOTES		SPECIFICATION. WITH AWS D1.1	PERFORM SHOP	P AND FIELD W Y CERTIFIED W	ELDING IN ACCORD	ANCE	SH. CE	ALL BE DONE BY A CERTIFIED AD RTIFIED THROUGH ACI/CRSI (ACI)HESIVE ANC 318-11 D.9.2.
C. HO	RIZONTAL DEFLECTION, EXTERIOR LOAD-BEARING WAL	RING WALL FRAMING:	3.	UNLESS NOTED	OTHERWISE, ALL	BOLTED CON		E	CE PR	RTIFICATION SHALL BE SUBMITT	ED THE ENGI
D. ALL	_OW FOR CONSTRUCTION TOLERANCES AND /	ACCOMMODATE LIVE	4.	DESIGN OF BEAN	M CONNECTIONS	ARE DELEGAT	TED TO THE STEEL	BE	4. AD OF	HESIVE ANCHORS MUST BE INST 21 DAYS (ACI 318-11 D.2.2).	ALLED IN CO
E. ASS	SUME NON-STRUCTURAL SHEATHING PROVIDE	ES NO LATERAL BRACING		PERMITTED. SEF	RVICE LEVEL (UNI	FACTORED) BE	EAM REACTIONS ARE	Ē	5. AD IN /	HESIVE ANCHORS SHALL HAVE B ACCORDANCE WITH ACI 355.4 AN	JEEN TESTED
6. SUBMIT C	OMPLETED DESIGN CALCULATIONS AND EREC	TION DRAWINGS SEALED		MINIMUM END RI				ND D	CO API	NCRETE APPLICATION, OR ICC-E PLICATIONS.	S AC58 FOR
BY A PROP ARCHITEC	-ESSIGNAL ENGINEER LICENSED IN NORTH CA	AKULINA, IU IHE	5	APPROVE THE P		ECTION.		-			
MATERIALA. CO	S LD-FORMED STEEL: ASTM A653, GRADE 33 UNI	LESS NOTED	5.	A. INTERIOR	R FRAMING: SSPC	 SP3 POWER T	TOOL CLEANING; PAI	NT			
DT B. MIN	HERVVISE, G60 COATING. VIMUM UNCOATED-STEEL THICKNESS: 0.0428"	FOR ALL MEMBERS,		B. EXPOSED) INTERIOR FRAM	ING: SSPC SP3	3 POWER TOOL				
EX0 C. MIN	JEPT TRUSS MEMBERS. VIMUM UNCOATED-STEEL THICKNESS, TRUSS I	MEMBERS: THICKNESS					ECTURAL SPECS.	I			
D. AN	QUIRED TO SATISFY DESIGN AND CONSTRUCT CHOR BOLTS: ASTM F1554, GRADE 36, ZINC-CC	ABILLI Y REQUIREMENTS. DATED IN ACCORDANCE	c	BLAST CL	EANING; HOT DIF	PED GALVANI	ZED.	-			
E. EXI	TH ASTM A153, CLASS C. PANSION AND ADHESIVE ANCHORS: AS INDICA	TED ELSEWHERE IN THE	U.	UL ASSEMBLY, T	HE CONTRACTO	R SHALL PROV		W/D			
GE F. PO	NERAL NOTES. WER-ACTUATED ANCHORS: CORROSION RESI	STANT CARBON STEEL,		BUILDING CODE.	NU NEQUIRED IN		0.2.2 UI INE NU STA	· L			
0.14 G. ME	45" MINIMUM DIAMETER. CHANICAL FASTENERS: CORROSION-RESISTAI	NT-COATED CARBON									
STE H WE	EEL, SELF-DRILLING, SELF-THREADING DRILL S	SCREWS, #10 MIN. AWS D1 3									

RUCTURAL AN	D GENERAL FILL SHOULD MEET THE	FOLLOWING REQUIREMENTS	CAST 1.	T-IN-PLACE MATERIALS	STEEL 1.	- DECK MATEF	RIA
ITEM	STRUCTURAL FILL	GENERAL FILL		A. PORTLAND CEMENT: ASTM C150, TYPE I. B. FLY ASH: ASTM A618, CLASS C OR F.		A.	C(Gl
IAXIMUM IFT	8 INCHES OR LESS IN LOOSE THICKNESS WHEN HEAVY, SELF-	SAME AS STRUCTURAL FILL		C. NORMAL-WEIGHT AGGREGATE: ASTM ASTM C33, CLASS 3M. D. REINFORCING STEEL: ASTM A615 GRADE 60.		В.	ST A6
HICKNESS	PROPELLED COMPACTION EQUIPMENT IS USED			E. REINFORCING STEEL, WELDABLE: ASTM A706.		C.	PC CC
	4 TO 6 INCHES IN LOOSE THICKNESS WHEN HAND- GUIDED			G. UNDER-SLAB DRAINAGEFILL: 4" WASHED CRUSHED STONE,			T⊦ D[
	EQUIPMENT (I.E. JUMPING JACK OR PLATE COMPACTOR) IS USED			H. VAPOR BARRIER: ASTM E1745, CLASS B; FIVE-PLY, NYLON OR		D.	DE Mi
	MINIMUM 95% OF THE	92% OF MAX		I. WATERSTOP: SELF EXPANDING.		E.	C/
OMPACTION	MATERIAL'S MAXIMUM STANDARD		2.	CONCRETE MIXES A. FOOTINGS & GRADE BEAMS: 3000 PSI NW	2.		
	698).			 B. SLABS-ON-GRADE: 3000 PSI NW. C. SLABS-ON-GRADE EXPOSED TO WEATHER: 4500 PSI NW, AIR- 	_	29. PER	FIE
	THE UPPER 12 INCHES OF			ENTRAINED. D SUPPORTED SLABS ON STEEL DECK: 3500 PSLLW	3.	CUT AN PROJE	ND CT
	SUBGRADE IN PAVEMENT AREAS SHOULD BE COMPACTED TO AT		3.	PERFORM CONCRETE WORK IN ACCORDANCE WITH ACI 318 AND ACI 301.	4.	PROVII STREN	DE IG
	LEAST 98% OF THE MATERIALS MAXIMUM STANDARD PROCTOR		4.	A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO	5.	3" DEE A.	P (AT
	DRY DENSITY (ASTM D 698).			EARTH: 3". B. CONCRETE EXPOSED TO EARTH OR WEATHER:			EA W
ATER ONTENT	LOW PLASTICITY	AS REQUIRED TO ACHIEVE MIN. COMPACTION		a. #5 OR SMALLER: 1 1/2". b. #6 OR LARGER: 2".		В.	AT
ANGE		REQUIREMENTs		C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER: a SLABS_WALLS_JOIST: 3/4"		C.	A
	OPTIMUM GRANULAR: -3% TO +			b. BEAMS, COLUMNS: 1 1/2" TO PRIMARY REINFORCEMENT,		D.	IN EN
	3% OF OPTIMUM		5.	PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE. SPLICE	6.	E. 1 1/2" [II SEI
MAXIMUM	DENSITY AND OPTIMUM WATER CO	NTENT AS DETERMINED BY		NUMBER OF BAR DIAMETERS, SHALL BE AS FOLLOWS:		A.	FA 5/8
THE STAN HIGH PLA	NDARD PROCTOR TEST (ASTM D 698) STICITY COHESIVE FILL SHOULD NOT	T BE COMPACTED TO MORE		NORMAL WT CONCRETE STRENGTH fc (psi)		в	PE W
THAN 100	% OF STANDARD PROCTOR MAXIMU	M DRY DENSITY.		BAR SIZE 3000 4000 5000		Β.	SL
OUNDATIONS THE FOU	NDATION DESIGN IS BASED ON THE F	REPORT OF SUBSURFACE		#6 OR SMALLER 57 DIA. 49 DIA. 44 DIA.		C.	W
INVESTIG	ATION PREPARED BY TERRACON "G	SEOTECHNICAL ENGINEERING		#7 OR LARGER 71 DIA. 62 DIA. 55 DIA.		D.	F <i>A</i> DE
ADDITION	J" DATED JANUARY 7, 2022.			MULTIPLY THE ABOVE LENGTHS BY 1.3 FOR TOP BARS AND BY 1.3 FOR		E.	RE EN
ALL FOO STRUCTU	JRAL FILL. NET ALLOWABLE BEARING	B PRESSURE IS 2500 PSF.				F. G	EN D
ALL STRU	IGTURAL EARTH FILL SHALL BE PLAC NG 8 INCHES AND BE COMPACTED T	ED IN LOOSE LIFTS NOT O AT LEAST 95 PERCENT OF		LENGTHS ARE CLASS "B" TENSION LAP SPLICES BASED ON GRADE 60		<u>н</u> .	M
THE SOIL BY ASTM	S STANDARD PROCTOR MAXIMUM D D-698. THE TOP 12 INCHES OF FILL I	RY DENSITY AS DETERMINED IN LOAD BEARING AREAS		BARS WITH A COVER OF AT LEAST 1 BAR DIA. AND SPACING AT LEAST 3 BAR DIA. LAP LENGTHS SHALL BE INCREASED IN ACCORDANCE WITH			BE
SHOULD	BE COMPACTED TO AT LEAST 98 PE	RCENT OF THE STANDARD		ACI 318 IF COVER IS LESS THAN 1 BAR DIA. OR SPACING IS LESS THAN 3 BAR DIA.		I.	PE PF
SHALL BE	E COMPACTED AT A MOISTURE CONT	ENT WITHIN 3 PERCENT OF	6.	ACCURATELY INSTALL AND PROPERLY SECURE ANCHORS, BEARING PLATES,			MI Af
D-698). A	LL STRUCTURAL FILL SHALL BE PLAC	S DETERMINED BY ASTM CED UNDER THE FULL-TIME	7.	SLEEVES, AND OTHER EMBEDDED ITEMS. ACCURATELY LOCATE AND BLOCK OUT OPENINGS AND PENETRATIONS.	STE	EL JOIS	TS
CONTRO	L OF AN ENGINEERING TECHNICIAN V)N OF A GEOTECHNICAL ENGINEER.	VORKING UNDER THE THE PLACEMENT AND	8.	COORDINATE WITH OTHER TRADES FOR ANCHORS, EMBEDDED ITEMS, SLEEVES, AND PENETRATIONS REQUIRED AND/OR FURNISHED BY THE OTHER TRADES.	1.	MATI A.	ER
COMPAC IN ORDER	TION OF ALL FILL MATERIAL SHALL B	E MONITORED AND TESTED	9.	PROVIDE CONTRACTION JOINTS IN SLABS-ON-GRADE WHERE INDICATED ON THE PLANS. PROVIDE A JOINT DEPTH EQUAL TO AT LEAST 25% OF THE SLAB		В.	
COMPAC	TION IS BEING OBTAINED. IF AN IMPO		10	THICKNESS.		C.	
PROJECT	GEOTECHNICAL ENGINEER PRIOR T	O USE. IMPORTED	10.	MANUFACTURER'S INSTRUCTIONS. LAP JOINTS 6" AND SEAL WITH		D.	
STRUCTU (LL<50, P	JRAL FILL SHOULD TYPICALLY CONSI I<25), HAVE A STANDARD PROCTOR M	ST OF LOW PLASTICITY SOIL MAXIMUM DRY DENSITY OF	11.	MANUFACTURER'S RECOMMENDED TAPE. FLOOR FINISHES:		E. F.	1
AT LEAST MATERIA	「100 PCF, AND BE FREE OF ORGANIC LS.IF CLEAN SAND FILL IS NECESSA	C AND OTHER DELETERIOUS RY TO REPLACE LOWER		A. FLOAT FINISH: SURFACES TO RECEIVE A TROWEL FINISH, TO BE COVERED WITH FLUID-APPLIED OR SHEET WATERPROOFING, OR TO BE	2.	FABF SPE(ric Cif
CONSIST	ENCY SOILS IN THE BUILDING AREA, T	THE SAND SHOULD CONTAIN		COVERED WITH BUILT-UP OR MEMBRANE ROOFING. B TROWEL FINISH: SURFACES EXPOSED TO VIEW OR COVERED WITH	3.	PERF	-0 0 R
FINISHED	SUBGRADES IN BUILDING AREAS RE	CEIVING MORE THAN 7		RESILIENT FLOORING, CARPET, WOOD FLOORING, PAINT, SEALER, OR	4.	INST	
FEET OF	FILL SHALL BE MONITORED FOR SET DING. SETTLEMENT MONUMENTS SHO	OULD BE INSTALLED AT		C. TROWEL AND FINE-BROOM FINISH: SURFACES TO BE COVERED WITH		JOIS	T S
THE TOP SETTLEM	OF THE FILL IMMEDIATELY UPON FILI ENT MEASUREMENTS TAKEN AT LEA	L COMPLETION WITH ST TWO PER WEEK		QUARRY OR CERAMIC TILE INSTALLED BY THE THIN-SET OR THICK-SET METHOD.	5.	INST. BRID	AL IGI
UNTIL SE FOUNDAT	TTLEMENTS HAVE STABILIZED. CONS TIONS AND PAVEMENTS SHALL NOT C	STRUCTION OF BUILDING	12.	D. BROOM FINISH: EXTERIOR CONCRETE PLATFORMS, STEPS, AND RAMPS FLOOR FINISH TOLERANCE:	6.	INST SPE(AL CIF
CONFIRM	ED THAT SETTLEMENT DUE TO NEW	FILL HAS STABILIZED.		A. SLABS TO RECEIVE TROWEL OR TROWEL AND FINE-BROOM FINISH:			
GROUND.	DATIONS SHALL BE PLACED IN WATE		10	 b. MINIMUM LOCAL VALUES: FF=17 / FL=15 	CON 1.	EXPA	AN NS
ALL FOOT ALL FINIS	ING EXCAVATIONS ARE TO BE FINISH HED FOUNDATION EXCAVATIONS SH	HED BY HAND. ALL BE INSPECTED AND	13. 14.	NO CONDUIT OR PIPE MAY BE RUN WITHIN STRUCTURAL CONCRETE MEMBERS		SIMIL/ ACCC	AR)R[
APPROVE CONCRET	D BY THE ARCHITECT OR HIS DESIGI	NATE BEFORE ANY		EXCEPT WHERE INDICATED.	2.	EXPA ACCC	NS)R[
UNLESS (BE CENTE	OTHERWISE NOTED, ALL FOOTINGS A	AND PILASTERS SHALL	STRI 1.	UCTURAL MASONRY SCOPE: THESE NOTES APPLY TO LOAD BEARING MASONRY OR MASONRY	3	APPLI	
DOWELS	FROM FOUNDATIONS INTO PIERS, CO	DLUMNS, BUTTRESSES,		THAT IS PART OF THE LATERAL LOAD RESISTING SYSTEM. SEE ARCHITECTURAL FOR OTHER MASONRY	5.	TWO-	PA
VERTICAL	REINFORCEMENT IN PIERS, COLUMI	NS, BUTTRESSES, OR	2.	ALL MASONRY WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI530-13) AND	_	MANL	JFA
). CAREFUL	LY FOLLOW THE REQUIREMENTS OF	THE SPECIFICATIONS	0	"SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI530-13) AND	4.	ADHE ACCC	SI\ R[
FOR BACH BUILDING	KFILL UNDER OR ADJACENT TO ANY I	PORTION OF THE	3.	A. CONCRETE MASONRY UNITS: ASTM C90, 2000 PSI MIN. UNIT		APPLI	CA
I. WHERE F EACH SID	OUNDATION ELEMENTS ARE TO HAV E SHALL BE FILLED SIMULTANEOUSL	E FILL ON BOTH SIDES, Y. MAINTAINING A		STRENGTH. B. MORTAR: ASTM C270, PROPORTION SPECIFICATION, TYPE S.	POST		
				C. GROUT: ASTM C476; SLUMP = 8" TO 11". COMPRESSIVE STRENGTH fc = 3000 PSI	UNLE	SS OTH	IEF
ARCHITE	CTURAL AND MECHANICAL DRAWING	S AND THE		D. MASONRY I'M = 2000 PSI. F REINFORCING STEEL: ASTM 4615, GRADE 60, Ex = 32,000 PSI.	CONS	SIST OF	Tŀ
REQUIRE 3. CONTRAC	TOR SHALL PROVIDE CONTINUOUS	CONTROL OF SURFACE	4.	LAP REINFORCING AS FOLLOWS, UNLESS NOTED OTHERWISE.			
AND UND	ERGROUND WATER AS REQUIRED DU AT THE WORK IS DONE IN THE DRY.	JKING CONSTRUCTION		#3 1-0 #7 3-0 #4 2'-0" #8 8'-6"	SOLIE)	HI
OLD-FORMED	STEEL STRUCTURAL FRAMING			#5 2'-6" #9 10'-9" #6 4'-0" #10 14'-0"	CONC	RETE	DE DE
ENGINEE	R, FABRICATE, AND INSTALL COLD-FO	ORMED STEEL STRUCTURAL	5.	INSTALL REINFORCING IN THE CENTER OF CELLS UNLESS INDICATED OTHERWISE.	GROU		HI
WALLS.	R FARRICATE AND INSTALL DEDMAN		6.	ADEQUATELY SECURE REINFORCING TO PREVENT MOVEMENT PRIOR TO GROUT FILL.	MASO	NRY	DE
BRIDGING	GOMPONENTS LISTED ADDITION	S TO THE PRIMARY STRUCTURE	7. 8	GROUT ALL CELLS OF MASONRY UNITS INSTALLED BELOW FINAL GRADE. ABOVE GRADE, GROUT ONLY REINFORCED CELLS UNLESS INDICATED	HOLL	ow	HIL
REFER TO	O ARCHITECTURAL DRAWINGS FOR N	NON-LOAD-BEARING COLD-FORMED	0.	OTHERWISE.	MASC OR BE	NRY RICK	SC DF
STEEL CU STEEL MI	JRTAIN WALL MEMBERS AND OTHER EMBERS NOT LISTED ABOVE.	COLD-FORMED AND LIGHT GAGE	STR				<u></u> ריד
	WITH THE FOLLOWING: SI "SPECIFICATION FOR THE DESIGN	OF COLD-FORMED STEFI	1.	MATERIALS A. STRUCTURAL STEEL WIDE FLANGE SHAPES: ASTM A992	1.	APPR	0
ST B	RUCTURAL MEMBERS".			 B. OTHER STRUCTURAL STEEL ROLLED SHAPES: ASTM A36 C. RECTANGULAR OR ROUND HSS: ASTM A500. GR B 		PRIOF DEMC	к Т)N(
	DNNECTIONS".			D. STEEL PLATE: ASTM A36 E. HIGH STRENGTH BOI TS: ASTM A325	2.	ACHIE INST#	EVI ALL
D. AV	SI DESIGN GUIDE FOR COLD-FORME VS D1.3, "STRUCTURAL WELDING CO	DE, SHEET STEEL".		F. ANCHOR RODS: ASTM F1554, GRADE 36	3.	INCLU ADHF	JDE SIV
A. DE	JKAL PERFORMANCE: EAD, LIVE, WIND LOADS AND SEISMIC	CRITERIA: SEE GENERAL NOTES	2.	FABRICATE AND ERECT STEEL IN ACCORDANCE WITH AWS DILT	~-	OVER	.HE
OI B. LA	N THIS SHEET. TERAL LOAD ON INTERIOR LOAD-BEA	ARING WALLS: 5 PSF.		SPECIFICATION. PERFORM SHOP AND FIELD WELDING IN ACCORDANCE WITH AWS D1.1 WITH CURRENTLY CERTIFIED WELDERS.		CERT	ם IFI זידי
C. HC	DRIZONTAL DEFLECTION, EXTERIOR I	LOAD-BEARING WALL FRAMING: PAN/360 OTHERWISF	3.	UNLESS NOTED OTHERWISE, ALL BOLTED CONNECTIONS ARE MADE WITH 3/4" HIGH STRENGTH BOLTS INSTALLED SNUG TIGHT.	-		יודו ד 2
D. AL	LOW FOR CONSTRUCTION TOLERAN		4.	DESIGN OF BEAM CONNECTIONS ARE DELEGATED TO THE STEEL FABRICATOR. SHOP STANDARD SIMPLE SHEAR CONNECTIONS WILL BE	4.	ADHE OF 21	SI/
E. AS	SSUME NON-STRUCTURAL SHEATHIN	G PROVIDES NO LATERAL BRACING		PERMITTED. SERVICE LEVEL (UNFACTORED) BEAM REACTIONS ARE SHOWN ON THE FRAMING PLAN, WHERE NOT SHOWN DESIGN FOR	5.	ADHE IN AC	SI\ CC
TC SUBMIT C	COMPLETED DESIGN CALCULATIONS	AND ERECTION DRAWINGS SEALED		MINIMUM END REACTION OF 10 KIPS FOR A SHEAR CONNECTION AND		CONC APPI	RE
BY A PRC	FESSIONAL ENGINEER LICENSED IN CT FOR REVIEW.	NORTH CAROLINA, TO THE		APPROVE THE PROPOSED CONNECTION. THE EOR WILL REVIEW AND		/ u I LI	5
MATERIA	LS DLD-FORMED STEEL ASTM A653 CP	ADE 33 UNI ESS NOTED	5.	STEEL PREPARATION AND FINISH: A. INTERIOR FRAMING: SSPC SP3 POWER TOOL CLEANING: PAINT			
	THERWISE, G60 COATING.			23 LATEX PRIMER FOR STEEL SURFACES. B. EXPOSED INTERIOR FRAMING: SSPC SP3 POWER TOOL			
D. MI EX	CEPT TRUSS MEMBERS.			CLEANING; PAINT 23 LATEX PRIMER FOR STEEL SURFACES.			
C. MI RE	NIMUM UNCOATED-STEEL THICKNES	DS, TRUSS MEMBERS: THICKNESS ONSTRUCTABILITY REQUIREMENTS.		C. BRICK RELIEF ANGLES AND LINTELS: SSPC SP6 COMMERCIAL			
D. AN W	NCHOR BOLTS: ASTM F1554, GRADE 3 ITH ASTM A153, CLASS C.	36, ZINC-COATED IN ACCORDANCE	6.	BLAST CLEANING; HOT DIPPED GALVANIZED. FOR BEAMS NOT MEETING THE MINIMUM SIZE REQUIREMENT OF THE			
E. EX	(PANSION AND ADHESIVE ANCHORS: ENERAL NOTES	AS INDICATED ELSEWHERE IN THE		UL ASSEMBLY, THE CONTRACTOR SHALL PROVIDE FOR APPROVAL W/D CALCULATIONS AS REQUIRED IN SECTION 721.5.2.2 OF THE NC STATE			
F. PC		SION RESISTANT CARBON STEEL,		BUILDING CODE.			
G. MI		N-RESISTANT-COATED CARBON					
ST н W	EEL, SELF-DRILLING, SELF-THREADII	NG DRILL SCREWS, #10 MIN. NCE WITH AWS D1 3					

- PERFORM WELDING WITH QUALIFIED WELDERS IN ACCORDANCE WITH AWS
- 8. D1.3. INSTALL PERMANENT BRIDGING, BRACING, AND ANCHORAGES TO THE PRIMARY STRUCTURES AS INDICATED ON APPROVED SHOP DRAWINGS. INSTALL BENT PLATES AS INDICATED AT RIDGES, HIPS, VALLEYS, EAVES, AND 10
 - OTHER TRANSITIONS TO PROVIDE ADEQUATE SUPPORT FOR DECKING AND SHEATHING.

OMPOSITE STEEL FLOOR DECK: 3" DEEP, 18 GAGE, ASTM A653, SS, RADE 50, G60 GALVANIZED COATING. TEEL ROOF DECK: 1 1/2" DEEP, TYPE B (WIDE RIB), 20 GAGE, ASTM 653, SS, GRADE 33, G60 GALVANIZED COATING. OUR STOPS, GIRDER FILLERS, COLUMN, END, AND Z CLOSURES. OVER PLATES, OTHER STEEL SHEET DECKING ACCESSORIES: HICKNESS AS REQUIRED FOR STRENGTH BUT NOT LESS THAN THE

ECKING THICKNESS; OF THE SAME MATERIAL AND FINISH AS THE ECKING MATERIAL. ECHANICAL FASTENERS: CORROSION RESISTANT SELF-DRILLING ARBON STEEL SCREWS, #10 MINIMUM DIAMETER. /ELD ELECTRODE: IN ACCORDANCE WITH AWS D1.3.

ATE AND ERECT DECK IN ACCORDANCE WITH SDI PUBLICATION NO. ORM WELDING IN ACCORDANCE WITH AWS D1.3 WITH CURRENTLY NEATLY FIT DECK AROUND OPENINGS AND OTHER WORK

TING THROUGH THE DECK. ADDITIONAL SUPPORT AND CLOSURE PIECES AS REQUIRED FOR TH, CONTINUITY OF DECK, AND SUPPORT OF OTHER WORK COMPOSITE FLOOR DECK ATTACHMENT

I SUPPORTS, WELD EDGE AND INTERIOR RIBS OF DECK UNITS AT ACH SUPPORT AT AN AVERAGE SPACING OF 12" (18" MAXIMUM) VITH 5/8" NOMINAL DIAMETER PUDDLE WELDS. F PREMIER EDGES BETWEEN SUPPORTS, FASTEN WITH 5/8" AMETER PUDDLE WELDS SPACED A MAXIMUM OF 24" APART.

SIDE LAPS, INSTALL #10 SELF DRILLING SCREWS A MAXIMUM OF 36 ND BEARING: 1 1/2" MINIMUM

ND JOINTS: BUTTED OR LAPPED.

EEP ROOF DECK ATTACHMENT TO STRUCTURAL STEEL ASTEN ROOF DECK PANELS TO STEEL SUPPORTING MEMBERS WITH /8" NOMINAL DIAMETER PUDDLE WELDS OR WELDS WITH AN EQUAL ERIMETER, OR SEAM WELDS NOT LESS THAN 1 1/2" LONG. ELD EDGES AND INTERIOR RIBS OF DECK UNITS TO EACH UPPORTING MEMBER WITH A MINIMUM OF THREE WELDS PER DECK

VELD SPACING: SEE ROOF DECK ATTACHMENT PLAN ON S010 ASTEN SIDE LAPS WITH #10 SELF-DRILLING SCREWS. SEE ROOF DECK ATTACHMENT PLAN ON S010. DECK SPANS 36" OR LESS DO NOT EQUIRE SIDE LAP FASTENERS. ND BEARING: 1 1/2" MINIMUM.

ND JOINTS: LAPPED O NOT HANG ANYTHING FROM THE ROOF DECK. ECHANICAL FASTENERS OR POWER-DRIVEN FASTENERS (HILTI X-SN 24 OR EQUAL) MAY BE USED IN LIEU OF WELDS. SPACING SHALL

E AS SPECIFIED FOR WELDS. PER AWS D1.3, A WELDING PROCEDURE SPECIFICATION (WPS) AND A ROCEDURE QUALIFICATION RECORD (PQR) FOR WELDING SHEET ETAL MUST BE SUBMITTED TO THE EOR FOR REVIEW AND PPROVAL PRIOR TO ANY DECK WELDING.

STEEL JOISTS: SJI SPECIFICATIONS, K SERIES.

LONG SPAN STEEL JOISTS: IN ACCORDANCE WITH SJI SPECIFICATIONS. BRIDGING AND ACCESSORIES: IN ACCORDANCE WITH SJI

SPECIFICATIONS. HIGH-STRENGTH BOLTS: ATSM A325 CARBON STEEL BOLTS: ASTM A307, GRADE A WELD ELECTRODE: IN ACCORDANCE WITH AWS D1.1 CATE AND ERECT JOISTS IN ACCORDANCE WITH THE SJI

ORM SHOP AND FIELD WELDING WITH CERTIFIED WELDERS IN RDANCE WITH AWS D1.1 ALL 3/4 INCH DIAMETER HIGH STRENGTH BOLTS, SNUG TIGHT, IN ED JOIST-TO-STRUCTURAL STEEL, JOIST-TO-JOIST GIRDER, AND SPLICE CONNECTIONS.

ALL CARBON STEEL BOLTS IN BOLTED CONNECTIONS FOR SING AND JOIST ACCESSORIES. LL BRIDGING AND UPLIFT BRIDGING AS REQUIRED BY THE SJI

ND MASONRY ANCHORS

SION ANCHORS: WEDGE TYPE, CARBON STEEL, ZINC PLATED OR RLY TREATED FOR CORROSION RESISTANCE. INSTALL IN STRICT DANCE WITH THE MANUFACTURER'S INSTRUCTIONS. SION ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN DANCE WITH ACI 355.2 AND ICC-ES ACI 193 FOR USE IN CONCRETE ATIONS, OR ICC-ES ACO1 FOR USE IN MASONRY APPLICATIONS. VE ANCHORS: CARBON STEEL, A36 MATERIAL OR EQUIVALENT, WITH A ART, PREPACKAGED AND PREMEASURED ADHESIVE READY FOR ON INTO THE ANCHOR HOLE. INSTALL ACCORDANCE WITH THE

ACTURER'S INSTRUCTIONS. VE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN DANCE WITH ACI 355.4 AND ICC-ES AC308 FOR USE IN CONCRETE ATION, OR ICC-ES AC58 FOR USE IN MASONRY APPLICATIONS.

RWISE INDICATED ON PLANS, POST-INSTALLED ANCHORS SHALL HE FOLLOWING ANCHOR TYPES, OR APPROVED EQUAL:

ADHESIVE ANCHOR	MECHANICAL ANCHOR
ILTI HY 200 SAFE SET ILTI RE 500 SD EWALT/POWERS AC200+ EWALT/POWERS PURE110+	HILTI KWIK HUS EZ HILTI KWIK BOLT TZ DEWALT/POWERS POWER-STUD+SD2 DEWALT/POWERS SCREW-BOLT+
ILTI HY 270 EWALT/POWERS AC100+GOLD	HILTI KWIK BOLT 3 DEWALT/POWERS POWER-STUD+SD1
LTI HY 270 WITH APPROPRIATE CREEN TUBE EWALT/POWERS AC100+GOLD	HILTI HLC SLEEVE ANCHOR DEWALT/POWERS LOK-BOLT AS

TUTION REQUESTS FOR ALTERNATIVE PRODUCTS MUST BE VED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS ISTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF /ING THE PERFORMANCE.

ANCHORS PER THE MANUFACTURED INSTRUCTIONS, AS ED IN THE ANCHOR PACKAGE. VE ANCHORS INSTALLED IN HORIZONTAL TO VERTICALLY EAD ORIENTATION TO SUPPORT SUSTAINED TENSION LOADS BE DONE BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS IED THROUGH ACI/CRSI (ACI 318-11 D.9.2.2). PROOF OF CURRENT ICATION SHALL BE SUBMITTED THE ENGINEER FOR APPROVAL

VE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM AYS (ACI 318-11 D.2.2). VE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE ORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR USE IN ETE APPLICATION, OR ICC-ES AC58 FOR USE IN MASONRY

STRUCTURAL ABBREVIATIONS

& @ CL X° dia Ø #	AND AT CENTERLINE DEGREE DIAMETER DIAMETER NUMBER/POUND	L LAT LBS LF LFT LG LGMF	ANGLE LATERAL POUND LATERAL FRAME LINEAR FOOT LONG LIGHT GAGE METAL FRAMIN
AB AESS AFF AHU ALT	ANCHOR BOLT ARCHITECTURAL EXPOSED STRUCTURAL STEEL ABOVE FINISH FLOOR AIR HANDLING UNIT ALTERNATE	LLH LLV LO LSH LVL LVS	LONG LEG HORIZONTAL LONG LEG VERTICAL LOW LONG SLOTTED HOLES LAMINATED VENEER LUMBE LONG VERTICAL SLOT
ANC APPROX APC ARCH BB B/B BL BLDG BLK	ANCHOR APPROXIMATE ARCHITECTURAL PRECAST VENEER ARCHITECT/ARCHITECTURAL BOND BM BACK TO BACK BUILDING LINE BUILDING BLOCK	M MAS MAX MECH MEP MEZZ MFR MID MIL S	MATERIAL MOMENT CONNECTION MASONRY MAXIMUM MECHANICAL MECHANICAL, ELECTRICAL, MEZZANINE MANUFACTURER MIDDLE THOU ISANDTH OF AN INCH
BM BO BOD BOS BOT BP BRG BRK BSMT	BEAM BOTTOM OF BOTTOM OF DECK BOTTOM OF STEEL BOTTOM BASE PLATE/BEARING PLATE BEARING BRICK BASEMENT	MILO MIN MISC ML MO MOM MUL MW	MINIMUM MISCELLANEOUS MASONRY LINTEL MASONRY OPENING MOMENT UNSCHEDULED MASONRY L MASONRY WALL
BT BTWN BUR BW BYD	BENT BETWEEN BUILT-UP ROOF BOTH WAYS BEYOND	NIC NOM NS NTS	NOT AFFEICABLE NOT IN CONTRACT NOMINAL NEAR SIDE NOT TO SCALE
CANT CC CFO CH CHAN CIP CJ CI G	CANTILEVER CLEAR COVER COMPOSITE FORM DECK COURTHOUSE CHANNEL CAST-IN-PLACE CONSTRUCTION JOINT CEILING	OAE OC OD OSF OH O/O OPNG OPP	OR APPROVED EQUAL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OPPOSITE HAND OUT TO OUT OPENING OPPOSITE
CLR CLJ CMU COL CONC CONNX CONST CONT CONTR COORD CNR CWI DBL	CLEAR CONTROL JOINT CONCRETE MASONRY UNIT COLUMN CONCRETE CONNECTION CONSTRUCTION CONSTRUCTION CONTINUOUS CONTRACTOR COORDINATE CORNER CERTIFIED WELDING INSPECTOR	PAF PCF PED PEMB PERP PC PH PL PLYWD PREFAB PROJ PSF PSI PT	POWDER ACTUATED FASTE POUNDS PER CUBIC FOOT PEDESTAL PRE-ENGINEERED METAL B PERPENDICULAR PRECAST PENTHOUSE PLATE PLYWOOD PREFABRICATED PROJECTION POUND PER SQUARE FOOT POUND PER SQUARE INCH POINT
DEMO DIA DIAG DIAPH DIM DL DN DT DTL DWL DWG	DEMOLITION DIAMETER DIAGONAL DIAPHRAGM DIMENSION DEAD LOAD DOWN DOUBLE TEE - PRECAST DETAIL(S) DOWEL DRAWING	PG RAD RD REBAR REF REINF REQD REQT RTU	PARKING GARAGE RISER RADIUS ROOF DRAIN REINFORCING BAR REFERENCE REINFORCING/REINFORCED REQUIRED REQUIREMENT(S) ROOF TOP UNIT
EA EBA EF ELEV EMB EP CT EO EOD EOS EQ EQUIP ESS EW EXIST EXP EXP ANCH	EACH EPOXY BONDED ANCHOR EACH FACE EACH END EXPANSION JOINT ELEVATION EMBEDMENT/EMBEDDED EPOXY COATED EDGE OF EDGE OF DECK EDGE OF SLAB EQUAL EQUIPMENT EXCAVATION SHORING SYSTEM EACH WAY EXISTING EXPANSION EXPANSION ANCHORS	SCHED SECT SHT SIM SJ SL SOG SPA SPEC SQ SS STD STIFF STL STRUC SUSP SYM	SCHEDULE SECTION SHEET/SHEATING SIMILAR SAWN JOINT SLOPE SLAB ON GRADE SPACES/SPACING SPECIFICATION SQUARE STAINLESS STEEL STANDARD STIFFENER STEEL STRUCTURAL SUSPENDED SYMMETRICAL
EXT FAS FD FF FNDN FIN FLR FO FOC FOC FOS FS FT FTG FUT FV	EXTERIOR FASTENER(S) FLOOR DRAIN FINISH FLOOR FOUNDATION FINISH FLOOR FACE OF FACE OF CONCRETE FACE OF STEEL FAR SIDE FOOT OR FEET FOOTING FUTURE FIELD VERIFY	TR T&B T&G TESS THK THD TO(#) TO(#) TO(#) TOC TOF TOC TOF TOG TOJ TOL TO PED TOS TOW	TREAD TOP AND BOTTOM TONGUE & GROOVE TEMPORARY EXCAVATION SHORING SYSTEM THICK/THICKNESS THREAD(S) TOP OF TOP OF BEAM TOP OF CONCRETE TOP OF FOUNDATION/FOOT TOP OF FOUNDATION/FOOT TOP OF GRADE TOP OF JOIST TOP OF LEDGE TOP OF PEDESTAL TOP OF STEEL TOP OF WALL
GA GALV GL GEN GN GR GS	GAGE GALVANIZED GRIDLINE GENERAL GENERAL NOTE(S) GRADE GRIND SMOOTH	TS TD TYP UNO UNSCHED UT	STRUCTURAL TUBE TURN DOWN TYPICAL UNLESS NOTED OTHERWISI UNSCHEDULED UTILITIES
H HCA HC HDG	HORIZONTAL HEADED CONCRETE ANCHOR HOLLOW CORE HOT DIPPED GALVANIZED	V VERT VUSBC	VERTICAL VERTICAL VIRGINIA UNIFORM STATEW BUILDING CODE
HT HK HORIZ HSS	HEIGHT HOOK HORIZONTAL HOLLOW STRUCTURAL STEEL	WD WF W/ W/O WP	WOOD WIDE FLANGE BEAM WITH WITHOUT WORK POINT
ID ISF IN INT INV	INSIDE DIAMETER INSIDE FACE INCH INTERIOR INVERT/INVERTED	WT W/T WWF WS XB	WEIGHT WATER TABLE WELDED WIRE FABRIC WATERSTOP
JST JT K KSI	JOIST JOINT KIP (THOUSAND POUNDS) KIPS PER SQUARE INCH	(#)	DATA PER PLAN NOTES



UMBER

ICAL, PLUMBING

NRY LINTEL

ASTENERS

COC TAL BUILDING

TOOT INCH

RCED

FOOTING

RWISE

ATEWIDE









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ROOF SNOW DRIFT DESIGN LOADS INDICATED ON THIS SHEET ARE TRIANGULARLY DISTRIBUTED ABOVE THE FLAT ROOF SNOW LOAD AND RAIN ON SNOW LOAD. DESIGN SNOW DRIFT LOADS SHALL BE USED FOR STEEL JOIST AS INDICATED ON SHEET S1-001
 SEE SHEET S1-0001 FOR BALANCED SNOW LOAD





NOTE: SEE SHEET S1-001 FOR C & C WIND LOADS FOR EACH ZONE



ZONE 1

ZONE 2

ZONE 3





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36/7/4

36/4/2





²M Autodesk Docs://Johnsonville ES Addition Renovation/STRUC Johnsonville Phase 2 Addition

		7
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MECHANICAL LEVEL PLAN NOTES: 1. TOP OF SLAB ELEVATION = +13'-4" UNO 2. T1 DENOTES SLAB TOP BARS. SEE S400 FOR SCHEDULE

- SEE DETAIL 8/S1-401
- 4. USE WIND LOAD TABLE ON S---, WIND ZONES ON S---, AND A ROOF DL = 10 PSF TO DETERMINE NET JOIST UPLIFT. PROVIDE ADD'L BRIDGING AS REQ'D.
- 5. SEE 12/S1-300 FOR BRACING DETAILS OF NON-LOAD BEARING AND LOAD BEARING CMU WALLS EXTENDING TO DECK.
- 6. INTERIOR NON-LOAD BEARING WALLS NOT EXTENDING TO DECK SHALL BE BRACED BY INTERSECTING WALLS OR ANGLE BRACING TO JOIST AT MAX SPACING OF 20'.
- COORDINATE W/ ARCH'L FOR WALLS EXTENDING TO DECK. 7. KB = KNEE BRACE SEE DETAIL 12/S1-401
- 8. PL 1 DENOTES BEARING PL. SEE S400 FOR SCHEDULE

INDICATES NOTE REFERRAL. SEE CORRESPONDING PLAN NOTE.

8 TYPICAL DOOR OPENING @ DEPRESSED SLAB \$1-200 3/4" = 1'-0"

13 FOUNDATION DETAIL \$1-200 3/4" = 1'-0"

(18) GRADE BEAM DETAIL

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	1'- 0"
10-38 10-38 10-38	V

- ACCENT BRICK

(SEE ARCH.)

EXISTING 4" BRICK

GYM /

- EXISTING 8" CMU

FIN. F

- PAINT COLUMN WITH

ASPHALTIC COATING

BELOW FIN. FLOOR

SEE SCHEDULE

T/EX FTG

0'-4" (VIF)

- EXISTING FTG

GB-2

EXISTING SOG

11 CORRIDOR OPENING S1-200 3/4" = 1'-0"

8" CMU. SEE PLAN FOR

REINF. SIZE & SPACING GROUT SOLID

WWF

EQ WALL EQ

SEE SCHEDULE

T&B LONGITUDINAL

SEE SCHEDULE -

REINFORCEMENT W/ 90° HOOK.

3 ADDITIONAL #3 HOOP TIES

IN BOTH DIRECTIONS -

\$1-200 3/4" = 1'-0"

TYP. EXTERIOR WALL FOOTING DETAIL \$1-200 3/4" = 1'-0"

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TRUCTURAL

NGINEERS

-4" GRANULAR

FILL

#5@12" CONT.

- #5@12"

MIN

- VAPOR BARRIER -EXTEND TO TOP OF FOOTING

6 TYPICAL DOOR OPENING AT INTERIOR SLAB S1-200 3/4" = 1'-0"

/- FINISH GRADE OR SOG

N C chool S -Pha S em Ū **O**OOO Sch **G** Su, v Φ County Addition/I 18495 NC-27, Cam Ο Harnett hh Ο No. Date Description

ISSUE DATE: 01/28/22 PROJECT #: 02103.000 DRAWN BY CHECKED BY: BM © 2022 SfL+a Architects, PA All Rights Reserved FOUNDATION DETAILS

- ALL VERTICAL REINF. SHALL

90° HOOK INTO BOND BEAM

CMU WALL UTILITY PENETRATION AND EMBEDMENT TYPICAL DETAIL

- CONDUIT, PIPE, OR SLEEVE

SEE MEP DWGS

/ /

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	LOAD BEARING / EXTERIOR LINTEL SCHEDULE								
MARK	WALL TYPE	LINTEL	SIZE	REINF.	SECTION	BEARING END	REMAR		
L-1	8" CMU 4" BRICK	U-BLOCK STEEL	8x16 PL 3/8x7 1/4" (HORIZ.) PL 3/8x6" (VERT.)	(2)#4	1'-3 5/8"	8"	HOT DIPPED SEE 7/S300		
L-2	8" CMU 4" BRICK	U-BLOCK STEEL	8x24 PL 3/8x7 1/4" (HORIZ.) PL 3/8x7" (VERT.)	(2)#5	1'-3 5/8"	8"	HOT DIPPED SEE 7/S300		
L-3	8" CMU	U-BLOCK	8x16	(2)#4	8"	8"			
L-4	8" CMU	U-BLOCK	8x24	(2)#5	8"	8"			
OPNG LESS THAN 30" WIDE	8" CMU	U-BLOCK	8x8	(2)#5	8"	8"			
OPNG 30" TO 42" WIDE	8" CMU	U-BLOCK	8x16	(2)#5	8"	16"			

1. FILL CELLS WITH 3000 PSI GROUT FOR MASONRY 2. PROVIDE DOWELS INTO WALL FOOTING. 3. DO NOT STACK BLOCK. ALTERNATE COURSING OF BLOCK AND ALTERNATE DIRECTION OF JOINT REINFORCING IN PLASTER.

TYP. BOND BEAM INTERSECTION

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S1-300

SLAB TOP BAR SCHEDULE

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7 SECT. THRU WALL \$1-400 1" = 1'-0"

2 SECTION THRU ROOF \$1-400 1" = 1'-0"

(10) BEAM BEARING DETAIL

\$1-400 1" = 1'-0"

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