

ALL STEEL-TO-STEEL SHEAR CONNECTIONS SHALL BE SELECTED BY THE STEEL FABRICATOR IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE SECTION 3.1.1(2), BASED ON THE REACTIONS REQUIRED BY SECTION 510 OF THE GENERAL NOTES OR OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.

	120.6	THE CONTRACTOR SHALL NOT DIRECTLY INCORPORATE THE STRUCTURE DRAWNISS OR PORTIONS THEREOF, INTO SHOP DRAWNISS OR RECOTO DRAWNISS OR SEED TO DRAWNISS OR SEED TO DRAWNISS OR SEED SUBMITTED FOR THIS PROJECT WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION OF ATLANTIC ENGINEER REPROJECT. SHOPPING THE STRUCTURAL DRAWNISS WHICH CONTAIN COPIES OR REPROJUCTIONS OF ANY PORTION OF THE STRUCTURAL DRAWNISS WHICH CONTRACTOR OR SUB-CONTRACTOR TO USE PORTIONS OF THE CHIEF CONTRACTOR OR SUB-CONTRACTOR TO SHOP DRAWNISS IN THE REPREPARATION OF SHOP DRAWNISS IN THE REPREPARATION OF SHOP DRAWNISS IN THE REPREPARATION OF SHOP DRAWNISS REQUIRES THAT CONTRACTOR OR SUB-CONTRACTOR TO ENTRE INTO A WRITTEN AGREEMENT WITH ATAINTIC ENGINEERING SERVICES AND TO A WRITTEN AGREEMENT WITH ATAINTIC ENGINEERING SERVICES AND TO A PROJECT OF THIS PROJECT.	AL N IN
	120.7	THE CONTRACTOR SHALL SUBMIT ELECTRONIC OR PRINTED COPIES OF SHOP DRAWINGS (ELECTRONIC COPIES ARE PREFERRED), COPIES SHALL SUBMITTED TO ATLANTIC ENGINEERING SERVICES IN POF FLE FORMAT (9 32000-1), WITH ONE (1) ELECTRONIC FILE PER SUBMISSION ATLANTIC ENGINEERING SERVICES WILL REVIEW, ANNOTATE, AND RETURN ONE (1) FILE TO THE ARCHITECT FOR THEIR REVIEW AND DISTRIBUTION TO THE CONTRACTOR.	. E
ER	120.8	THE REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS FOR THIS PROJECT IS FOR CONFORMANCE WITH THE DESIGN CONCEPT AND FOR CONFORMANCE WITH THE DESIGN CONCEPT AND FOR CONTAINED IN THE STATE OF THE PROPERTY OF THE STATE	C T
	200.	FOUNDATIONS - GENERAL	
WIND	200.1	FOUNDATIONS HAVE BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH CRITERIA ESTABLISHED BY CONCORD ENGINEERING AND SURVEYING, INC. (CESI) IN THEIR GEOTECHNICAL REPORT DATED FEBRUARY 15, 2020.	
N TE 100.1):	200.2	THE CONTRACTOR SHALL OBSERVE WATER CONDITIONS AT THE SITE AN TAKE THE NECESSARY PRECAUTIONS TO ENSURE THAT THE FOUNDATIO EXCAVATIONS REMAIN DRY DURING CONSTRUCTION. PROVIDE FOR DEWATERING AS NECESSARY.	DN
	200.3	THE CONTRACTOR SHALL USE EXTREME CAUTION DURING EXCAVATION. SUCH EXCAVATION SHALL BE PERFORMED IN SUCH A MANNER AS TO MAINTAIN THE STRUCTURAL INTEGRITY OF ALL EXISTING STRUCTURES TI REMAIN. PROVIDE TEMPORARY SHORING AS REQUIRED.	0
	200.4	CONCRETE SLABS ON GRADE HAVE BEEN DESIGNED TO BEAR ON COMPACTED SUBGRADE SOILS OR PROPERLY COMPACTED FILL AS PER REPORT REFERENCED IN NOTE 200.1.	г
	200.5	SLABS ON GRADE SHALL BE UNDERLAIN BY A MINIMUM OF 4" OF FREE-DRAINING, WELL-GRADED SUBBASE MATERIAL AS PER THE REPORT REFERENCED IN NOTE 200.1.	
	200.6	PROVIDE 15 MIL FLEXIBLE SHEET MEMBRANE VAPOR RETARDER BETWEE THE CONCRETE FLOOR SLAB AND THE COMPACTED BEARING SOILS. SHE RETARDER SHALL BE IN ACCOMDANCE WITH ASTM E1745, CLASS A. INSTAVAPOR RETARDER FROM STEAL WIT RECOMMENDED ADHESIVE TACK.	N L H
R WALLS	210.	SHALLOW FOUNDATIONS	
	210.1	FOUNDATIONS HAVE BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH CRITERIA ESTABLISHED IN THE GEOTECHNICAL REPOPER NOTE 200.1.	
	210.2	SPREAD FOOTINGS HAVE BEEN DESIGNED TO BEAR ON UNDISTURBED SC OR PROPERLY COMPACTED FILL HAVING AN ALLOWABLE BEARING CAPAC OF 2500 PSF, AS PER NOTE 200.1.	cr
IES OR HAVE ING	210.3	ELEVATIONS SHOWN ON THE DRAWINGS AT WHICH FOUNDATIONS ARE TO BE BEAR ARE APPROXIMATE. MATERIAL ON WHICH FOUNDATIONS ARE TO BE SHALL HAVE AT LEAST THE ABOVE NOTED CAPACITY. ALL EXTERIOR FOUNDATIONS SHALL BE A MINIMUM OF 12° BELOW FINISHED GRADE.	2
ECTURAL NS ON AND	210.4	UNLESS OTHERWISE SHOWN ON DRAWNINGS, STEP SHALLOW FOUNDATION BELOW ALL WATER LINES. ENCASE ALL SANITARY AND NON-PRESIDENCE PIPE. PROVIDE FOUNDATION STEPS AND ENCASEMENT IN ACCORDANCE WITH THE YPOCAL BETAILS, CORDINANTE THE EXOCIT LOCATION AND DRAWNINGS AND CONTRACTORS. PROVIDE SLEEVES IN THE FOUNDATION STEPS AND ENCASEMENT OF THE PROVIDED STEPS OF THE FOUNDATION WALLS AS REQUIRED FOR PIPE PERITATIONS.	N D
IUEST ICTURAL NINGS.	210.5	THE OWNER SHALL RETAIN THE SERVICES OF A PROFESSIONAL GEOTECHNICAL ENGINEER, SUBJECT TO THE APPROVAL OF THE ARCHITER TO INSPECT THE FOUNDATIONS, BEARNIG LEVELS, ETC., AND VERIFY THAT THE MATERIAL. ON WHICH FOUNDATIONS BEAR HAS AT LEAST THE ABOVE NOTED CAPACITY.	T.
MENT O THE	300.	REINFORCED CONCRETE	
ORTING ATIONAL	300.1	ALL REINFORCED CONCRETE WORK SHALL BE IN CONFORMANCE WITH TO	н
D TO FURER'S		"BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318 LATEST EDITION) AND SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301, LATEST EDITION) OF THE AMERICAN CONCRETE INSTITUTE.	à
LLOCAL	300.2	MINIMUM DESIGN COMPRESSION STRENGTH (fc) REQUIRED AT 28 DAYS: A. FOUNDATIONS 3000 PSI &	
	300.3	A. FOUNDATIONS 3000 PSI B. INTERIOR SLABS ON GRADE 4000 PSI MAXIMUM WATER TO CEMENTITIOUS MATERIALS RATIO:	Ò,
GE AN EW OF	555.5	A. FOUNDATIONS B. INTERIOR SLABS ON GRADE 0.50	_
	300.4	ALL CONCRETE SHALL BE NORMAL WEIGHT CON: THE (MININ) 1441-8 WITH ALL PORTLAND CEMENT CONE 19 TO A SHALL CHSQ. THE MAXIMUM NORMAN CARRIES AGG LGGT, TO SHALL CHSQ. THE FOUNDATIONS AND 3 FOR WAS SHAND 19 S. CON MININO TO ASTM	V
SHOP ITS	300.5 300.6	MIXING SHALL CONFORM TO A TM CTO THE SECTION 28 A 1 OF AC 18.	
EEL	300.7	ADMINISTRACE SHALL NOT CONTROL ACIUM CHLORIDE OR CHLORIDE CONTAINING COMPRIONDS AS A FUNCTIONAL INGREDIENT.	
 o-	//// 0.8	A. DEFORM SARSASTM A615,	
	.	B. WELDED WIRE REINFORCINGASTM A1084	***
MEMBER AL SS TO BE		COVER FOR CAST-IN-PLACE CONCRETE REINF, UNLESS OTHERWISE SHO ON DRAWINGS, SHALL BE AS FOLLOWS (REFER TO ACI 117 FOR ALLOWAB CONSTRUCTION TOLERANCES): A. FOUNDATIONS. 3° B. SLABS CAST AGAINST EARTH. 2° FOR 4° SLABS, DEPTHYS FOR SLAB	
IZATION.	300 40	GREATER THAN 4*.	
S SHALL S. CATION	300.10	SPLICES IN REINFORCEMENT, WHERE PERMITTED, SHALL BE AS FOLLOW. A. WELDED WIRE REINFORCING B. ALL OTHERS CASE "1" MINIMUM, CASE "1" MINIMUM,	:د
NED AND	300.11	UNO CLASS "B", CASE "1" TENSION SPLICES IN INCHES, SHALL BE AS FOLLOWS	:
THE ENTS.		3000 PSI 4000 PSI SIZE TOP BARS ALL OTHERS TOP BARS ALL OTHERS	

0.6	THE CONTRACTOR SHALL NOT DIRECTLY INCORPORATE THE ST DRAWINGS, OR PORTIONS THEREOF, INTO SHOP DRAWINGS OR DRAWINGS OR DRAWINGS TO BE SUBMITTED FOR THIS PROJECT WITHOUT FIRST DOTAINING THE EXPRESS WHITTED FROMSISTON OF ATLANTIC ESERVICES. SUBMITTED SHOP DRAWINGS WHICH CONTAIN CORP REPRODUCTIONS OF ANY PORTION OF THE STRUCTURAL DRAW WITHOUT THE EXPRESS WRITTEN FEMILISSION OF ATLANTIC BUT OF THE PROPERTY OF THE STRUCTURAL DRAWINGS IN THEIR PREPARATION OF SHOP DRAWINGS IN THE PREPARATION OF SHOP DRAWINGS HE SUB-CONTRACTOR OF SUB-CONTRACTOR OF SUB-CONTRACTOR SUB-CONTRACTOR TO SUB-CONTRACTOR SUB-CONTRACTOR TO SUB-CONTRACTOR SUB-CONTRACTOR TO SUB-CO
0.7	THE CONTRACTOR SHALL SUBMIT ELECTRONIC OR PRINTED CO SHOP DRAWINGS (ELECTRONIC COPIES ARE PREFARED). CON SUBMITTED TO ATLANTIC BIOINEERING SERVICES IN POF FILE F 32000-1), WITH ONE () ELECTRONIC FILE PER SUBMISSION. ATLA FIGNICERING SERVICES WILL REVIEW, ANNOTATE, AND RETURN FILE TO THE ARCHITECT FOR THEIR REVIEW AND DISTRIBUTION CONTRACTOR.
	THE REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS FOR PROJECTIS FOR CONCERNMAN WITH HE DESIGN CONCEPT AS GENERAL COMPLIANCE WITH THE THE REVIEW OF THE PROPERTY
0.	FOUNDATIONS - GENERAL
0.1	FOUNDATIONS HAVE BEEN DESIGNED AND SHALL BE CONSTRUCT ACCORDANCE WITH CRITERIA ESTABLISHED BY CONCORD ENGING AND SURVEYING, INC. (CESI) IN THEIR GEOTECHNICAL REPORT (FEBRUARY 15, 2020.
0.2	THE CONTRACTOR SHALL OBSERVE WATER CONDITIONS AT THE TAKE THE NECESSARY PRECAUTIONS TO ENSURE THAT THE FO EXCAVATIONS REMAIN DRY DURING CONSTRUCTION, PROVIDE F DEWATERING AS NECESSARY.
0.3	THE CONTRACTOR SHALL USE EXTREME CAUTION DURING EXCASUCH EXCAVATION SHALL BE PERFORMED IN SUCH A MANNER A MAINTAIN THE STRUCTURAL INTEGRITY OF ALL EXISTING STRUCREMAIN. PROVIDE TEMPORARY SHORING AS REQUIRED.
0.4	CONCRETE SLABS ON GRADE HAVE BEEN DESIGNED TO BEAR O COMPACTED SUBGRADE SOILS OR PROPERLY COMPACTED FILL REPORT REFERENCED IN NOTE 200.1.
0.5	SLABS ON GRADE SHALL BE UNDERLAIN BY A MINIMUM OF 4" OF FREE-DRAINING, WELL-GRADED SUBBASE MATERIAL AS PER THE REFERENCED IN NOTE 200.1.
	PROVIDE 15 ML FLEXIBLE SHEET MEMBRANE VAPOR RETARDER THE CONCRETE FLOOR SLAB AND THE COMPACTED BEARING RETARDER SHALL BE IN ACCORDANCE WITH ASTM £1745, CLASS VAPOR RETARDER SHALL BE IN ACCORDANCE WITH ASTM £1745, CLASS VAPOR RETARDER PER ASTM £1649. LAP JOINTS 6 INCHES AND RECOMMENDED ADHESIVE TAPE.
	SHALLOW FOUNDATIONS
	FOUNDATIONS HAVE BEEN DESIGNED AND SHALL BE CONSTRUC ACCORDANCE WITH CRITERIA ESTABLISHED IN THE GEOTECHNI PER NOTE 200.1.
	SPREAD FOOTINGS HAVE BEEN DESIGNED TO BEAR ON UNDISTO OR PROPERLY COMPACTED FILL HAVING AN ALLOWABLE BEARIN OF 2500 PSF, AS PER NOTE 200.1.
	ELEVATIONS SHOWN ON THE DRAWINGS AT WHICH FOUNDATION BEAR ARE APPROXIMATE. MATERIAL ON WHICH FOUNDATIONS A SHALL HAVE AT LEAST THE ABOVE NOTED CAPACITY. ALL EXTER FOUNDATIONS SHALL BE A MINIMUM OF 12" BELOW FINISHED GR
	UNLESS OTHERWISE SHOWN ON DRAWINGS, STEP SHALLOW FO BELOW ALL WATER LINES. BECASE ALL SANTARY AND NON-PRE- PIPE. PROVIDE FOUNDATION STEPS AND ENCASEMENT IN ACCCO- WITH THE TYPICAL DETAILS. COORDINATE THE EXACT LOCATION ELEVATION OF THE PLUMBING LINES WITH THE MECHANICAL AN DRAWINGS AND CONTRACTORS. PROVIDE SLEEVES IN THE FOUL WALLS AS REQUIRED FOR PIPE PENETRATIONS.
0.5	THE OWNER SHALL RETAIN THE SERVICES OF A PROFESSIONAL GEOTECHNICAL ENGINEER, SUBJECT TO THE APPROVAL OF THE TO INSPECT THE FOUNDATIONS, BEARING LEVELS, ETC., AND THE MATERIAL ON WHICH FOUNDATIONS BEAR HAS AT LEAST THOOTED CAPACITY.
0.	REINFORCED CONCRETE
0.1	ALL REINFORCED CONCRETE WORK SHALL BE IN CONFORMANC BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE LATEST EDITION) AND SPECIFICATIONS FOR STRUCTURAL CONC 301, LATEST EDITION) OF THE AMERICAN CONCRETE INSTITUTE.
0.2	MINIMUM DESIGN COMPRESSION STRENGTH (Fc) REQUIRED AT 2 A. FOUNDATIONS 30000
0.3	B. INTERIOR SLABS ON GRADE4000 PSI MAXIMUM WATER TO CEMENTITIOUS MATERIALS RATIO:
	A. FOUNDATIONS B. INTERIOR SLABS ON GRADE0.50
0.4	ALL CONCRETE SHALL BE NORMAL WEIGHT CON THE (MINIM WITH ALL PORTIAL) CEMENT CONFORM TO AS 25-150, THE MAXIMUM NOMINAL SARSE AGGEGAT THE SHALL BE 1-12.P FOUNDATIONS AND SECOND MINISTRANCE OF THE STANDARD SECOND MINISTRAN
0.5 0.6 🎤	MIXING AND SHALL CONFORM TO APTM C19
0.7	20% 1 OF AC 18. ADMIN SEE SHALL NOT CONTINUE ALCIUM CHLORIDE OR CHLORIDE CONTAINING COMPAUNDS AS A FUNCTIONAL INGRED
0.8	REINFORCEMENT
	A. DEFORM BARS ASTI GRADE 0 B. WELDED WIRE REINFORCING ASTI
	COVER FOR CAST-IN-PLACE CONCRETE REINF,, UNLESS OTHER! ON DRAWINGS, SHALL BE AS FOLLOWS (REFER TO ACI 117 FOR CONSTRUCTION TOLERANCES):
	A. FOUNDATIONS 3° B. SLABS CAST AGAINST EARTH 2° FOR 4° SLABS; DEPTH/3 F GREATER THAN 4°.

DIRECTLY INCORPORATE THE STRUCTURAL RECF, INTO SHOP DRAWINGS OR ERECTION OF THIS PROJECT WITHOUT FIRST THE PERMISSION OF ATAITIC ENGINEERING THE PERMISSION OF ATAITIC ENGINEERING THE PERMISSION OF ATAITIC ENGINEERING SEN PERMISSION OF ATAINITIC ENGINEERING EXCITED THE PROPERTY OF A SHOP DRAWINGS OF THE THE PROPERTY OF SHOP DRAWINGS OF THE PROPERTY OF SHOP THE PROPERTY OF SHOP DRAWINGS OF THE PROPERTY OF SHOP THE PROPERTY OF SHOP THE PROPERTY OF SHOP THE PROPERTY OF THE DURATION OF THIS IS THE PROPERTY OF THE DURATION OF THIS INTERCED THE DURATION OF THIS
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EXTREME CAUTION DURING EXCAVATION. ERFORMED IN SUCH A MANNER AS TO TEGRITY OF ALL EXISTING STRUCTURES TO SHORING AS REQUIRED.
IAVE BEEN DESIGNED TO BEAR ON OR PROPERLY COMPACTED FILL AS PER THE 200.1.
DERLAIN BY A MINIMUM OF 4" OF SUBBASE MATERIAL AS PER THE REPORT
ET MEMBRANE VAPOR RETARDER BETWEEN NO THE COMPACTED BEARING SOILS, VAPOR IDANCE WITH ASTM E7145, CLASS A. INSTALL 1643, LAP JOINTS 6 INCHES AND SEAL WITH E.
IGNED AND SHALL BE CONSTRUCTED IN STABLISHED IN THE GEOTECHNICAL REPORT
DESIGNED TO BEAR ON UNDISTURBED SOILS L HAVING AN ALLOWABLE BEARING CAPACITY 1.
RAWINGS AT WHICH FOUNDATIONS ARE TO RIAL ON WHICH FOUNDATIONS ARE TO BEAR VE NOTED CAPACITY. ALL EXTERIOR MUM OF 12" BELOW FINISHED GRADE.
N DRAWINGS, STEP SHALLOW FOUNDATIONS ASE ALL SANITARY AND NON-PRESSURIZED FEPS AND ENCASEMENT IN ACCORDANCE OPENINATE THE EXACT LOCATION AND INES WITH THE MECHANICAL AND PLUMBING PROFIT OF THE MECHANICAL AND PLUMBING PENETRATIONS.
E SERVICES OF A PROFESSIONAL SIECT TO THE APPROVAL OF THE ARCHITECT, S, BEARNIG LEVELS, ETC., AND VERREY THAT IDATIONS BEAR HAS AT LEAST THE ABOVE
YORK SHALL BE IN CONFORMANCE WITH THE TS FOR STRUCTURAL CONCRETE* (ACI 318, ATIONS FOR STRUCTURAL CONCRETE (ACI MERICAN CONCRETE INSTITUTE. IN STRENGTH (*C) REQUIRED AT 28 DAYS:
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	300.19	THE CONTRACT LABORATORY, S TEST CONCRET TEST RESULTS TESTING SHALL
CONSTRUCTED IN CORD ENGINEERING L REPORT DATED		A. RECORD TO ASTM C 14
ONS AT THE SITE AND IAT THE FOUNDATION PROVIDE FOR URING EXCAVATION. MANNER AS TO ING STRUCTURES TO ID.		B. CAST AND STRENGTH EACH 50 C' PLACED PE CYLINDERS TWO (2) CY CYLINDERS STRENGTH
	350.	CONCRETE/MAS
TO BEAR ON ACTED FILL AS PER THE	350.1	ALL ADHESIVE I ADHESIVE AND INC. (OR APPRO
M OF 4" OF AS PER THE REPORT	350.2	THE *HAS-E THE MINIMUM TENSI J995 GRADE 5.
RETARDER BETWEEN BEARING SOILS. VAPOR 745, CLASS A. INSTALL CHES AND SEAL WITH	350.3	THE SPACING A SHALL BE AS IN ANCHORS SHAI RECOMMENDED
	420.	MASONRY
CONSTRUCTED IN BEOTECHNICAL REPORT ON UNDISTURBED SOILS BLE BEARING CAPACITY	420.1	BRICK VENEER SPACED NOT M ADDITIONAL AN MORE THAN 16"
		ADDITIONAL AN MORE THAN 16' IN WALLS WITH BACKUP SUBST PROFESSIONAL CAROLINA FOR
OUNDATIONS ARE TO IDATIONS ARE TO BEAR ALL EXTERIOR NISHED GRADE.	420.2	BRICK VENEER SEISMIC PERFO
HALLOW FOUNDATIONS D NON-PRESSURIZED IT IN ACCORDANCE	510.	STRUCTURAL S
HALLOW FOUNDATIONS D NON-PRESSURIZED IT ACCORDANCE I LOCATION AND IANICAL AND PLUMBING N THE FOUNDATION	510.1	ALL STRUCTUR 360 - 10 "SPECIF FORCES AND M FOR USE WITH CODE.
FESSIONAL VAL OF THE ARCHITECT, IC., AND VERIFY THAT IT LEAST THE ABOVE	510.2	GRADE OF STEE
IT LEAST THE ABOVE		A. STRUCTUR B. STRUCTUR C. HOLLOWS
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UIRED AT 28 DAYS:	510	D. SEEL DO
0:	510.4	ALL BOLTS SHA OTHER WAS AN REQUIREMENTS THE USE OF BO DIAMETER IS PE
TE (MININ 144 F C150, TY 140 P I/II. SE 1-1/2" P	510.5	PROVIDE THE F
MING TO ASTM C33.	510.6	A. SNUG-TIGH
TS OF SECTION	510.0	ALL WELDING S CODE, AWS D1. ELECTRODES S FOR SUBMERGI
DE OR IAL INGREDIENT.	510.7	ALL BEAM-TO-C SUMMATION OF
ASTM A615.		A. THE BEAM GENERAL N B. A MINIMUM
ASTM A1064	510.8	
SS OTHERWISE SHOWN	510.9	CUTS, HOLES A SHOWN ON THE OR HOLES IN ST
	010.9	ALL STRUCTUR FLOOR SLABS,

510.12 LEVELING GROUT SHALL BE NON-SHRINK, NON-METALLIC TYPE, FACTORY PRE-MIXED GROUT TESTED IN ACCORDANCE WITH CE-CRD-C621 OR ASTM C109, WITH F0 OF NOT LESS THAN 5000 PSI.

510.13 ALL ANCHOR BOLTS SHALL BE ASTM A36 OR ASTM F1554, GRADE 38 AND A MINIMUM 3/4" DIAMETER WITH A MINIMUM CONCRETE EMBEDMENT OF 12" UNLESS NOTEO OTHERWISE.

510.14 STEEL ELEMENTS IN DIRECT CONTACT WITH EARTH SHALL BE PAINTED WITH ASPHALTIC PAINT CONFORMING TO STEEL STRUCTURES PAINTING COUNCIL (SSPC) PAINT SYSTEM 16.

PARALLEL REINFORCEMENT PLACED IN TWO OR MORE LAYERS SHALL HAVE A CLEAR DISTANCE BETWEEN LAYERS OF 1". UPPER LAYER BARS SHALL BE PLACED DIRECTLY ABOVE BARS IN THE BOTTOM LAYER.	610.	STRUCTURAL LUMBER		
ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACEMENT OF CONCRETE. REINFORCING SUPPORTS FOR ALL EXPOSED CONCRETE SHALL BE GALVANIZED WITH	610.1	ALL STRUCTURAL LUMBER WORK SHALL BE IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" (NDS - LATEST EDITION) PUBLISHED BY THE AMERICAN WOOD COUNCIL.		
PLASTIC COATED FEET. ALL WELDED WIRE REINFORCING SHALL BE CHAIRED.	610.2	ALL STRUCTURAL LUMBER SHALL BE AS A MINIMUM NO. 2 GRADE SOUTHERN PINE AND SHALL HAVE AT LEAST THE FOLLOWING MINIMUM ALLOWBLE DESIGN STRESSES (NOT INCORPORATING THE SIZE ADJUSTMENT FACTOR		
ALL TIES/STIRRUPS SHALL HAVE 135 DEGREE BENDS UNLESS OTHERWISE APPROVED BY ENGINEER.		(CF)) AND MODULUS OF ELASTICITY AT A MAXIMUM MOISTURE CONTENT OF 19%:		
PROVIDE 1/2" PREMOULDED EXPANSION MATERIAL WHERE SLAB ON GRADE IS POURED AROUND COLUMNS AND AGAINST WALLS UNLESS OTHERWISE SHOWN ON DRAWINGS.		A. Fb.(BENDING) 750 PSI B. Fv.(SHEAR) 175 PSI C. Fc.(COMPRESSION) 1,250 PSI		
CONTRACTION JOINTS FOR SLABS-ON-GRADE SHALL BE SPACED AS INDICATED ON THE SLAB PLAN OR NO MORE THAN 12-0" ON CENTER WHEN NOT INDICATED ON DRAWINGS. PANELS FORMED BY JOINTS OR SLAB EDGES SHALL BE AS SQUARE AS POSSIBLE WITH A LENGTH-TO-WIDTH RATIO NOT	610.3	D. Ft.(TENSION)		
TO EXCEED 1.5. CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL SLOTS, PIPE SLEEVES, ETC., AS REQUIRED FOR MECHANICAL TRADES BEFORE		CERTIFIED BY AMERICAN LUMBER STANDARD. FACTORY-MARK EACH PIECE OF LUMBER WITH GRADE STAMP OF INSPECTION AGENCY EVIDENCING COMPLIANCE WITH GRADING RULE REQUIREMENTS.		
CONCRETE IS PLACED.	610.4	EXTERIOR STUD WALLS SHALL BE CONTINUOUSLY BRIDGED AT MID-HEIGHT WITH WOOD BLOCKING.		
PRIOR TO CONCRETE PLACEMENT. THE CONTRACTOR SHALL SUBMIT A CONCRETE BLUS DESIGN PREPARED IN ACCORDANCE WITH ACI 301 TO THE STRUCTURAL ENGINEER FOR REVIEW. THE CONTRACTOR SHALL BRAGE A QUALIFIED INDEPENDENT TESTING LABORATOR'S SUBJECT TO THE APPROVAL OF THE OWNER, TO SAMPLE AND	610.5	PROVIDE CONTINUOUS DOUBLE 2X TOP PLATE TYPICAL AT ALL WOOD STUD WALLS. SPLICES IN TOP PLATE PLYS SHALL BE MADE OVER STUDS. PROVIDE CONTINUOUS SINGLE 2X BOTTOM PLATE AT ALL WOOD STUD WALLS. BOTTOM PLATES IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL		
LABORATORY, SUBJECT TO THE APPROVAL OF THE OWNER, TO SAMPLE AND TEST CONCRETE AT THE POINT OF PLACEMENT PER ACI 301. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE OWNER AND ENGINEER. TESTING SHALL INCLUDE AT LEAST THE FOLLOWING:	610.6	BE PRESERVATIVE TREATED UNLESS NOTED OTHERWISE. NO CUTS, HOLES, OR COPES REQUIRED FOR OTHER TRADES IN STRUCTURAL WOOD FRAMING WILL BE PERMITTED WITHOUT PRIOR REVIEW AND APPROVAL OF ENGINEER AND ARCHITECT		
 RECORD THE TEMPERATURE AND PERFORM ONE SLUMP TEST PER ASTM C 143 FOR EACH 10 CY OF CONCRETE PLACED. 	610.7	PRESSURE TREAT WITH WATER-BORNE PRESERVATIVES ALL LUMBER FOR		
B. CAST AND LABORATORY CURE SIX (6) CONCRETE COMPRESSIVE STRENGTH TEST CYLINDERS IN ACCORDANCE WITH ASTM C 31 FOR EACH 50 CY OF EACH CLASS OF CONCRETE OR FRACTION THEREOF		SILL PLATES AND OTHER WOOD WHICH MAY BE EXPOSED TO WEATHER OR EARTH. PRESSURE TREATMENT SHALL COMPLY WITH REQUIREMENTS OF AWPA STANDARDS C2 AND LP-22.		
PLACED PER DAY. TEST (IN ACCORDANCE WITH ASTIN C 39) TWO (2) CYLINDERS AT 7 DAYS, TWO (2) CYLINDERS AT 28 DAYS AND RETAIN TWO (2) CYLINDERS FOR TESTING AT 56 DAYS IN THE EVENT THE 28 DAY CYLINDERS DO NOT MEET THE SPECIFIED CONCRETE COMPRESSIVE STRENSTH.	610.8	ALL "MICROLLAM" LUMBER SHALL BE MANUFACTURED BY THE TRUSS JOIST, A MEYERHALUSER BUSINESS" OR AN APPROVED EQUIVALENT MANUFACTURER WITH AT LEAST THE FOLLOWING MINIMUM DESIGN STRESSES:		
CONCRETE/MASONRY ANCHORS		A. Fb (BENDING) 2600 PSI B. Fv (SHEAR) 285 PSI C. Fc (COMPRESSION		
ALL ADHESIVE FOR ANCHORING TO CONCRETE SHALL BE "HILTI HIT-HY 200		PARALLEL TO GRAIN) 2500 PSI D. Fc (COMPRESSION		
ADHESIVE ANCHORS* AS MANUFACTURED BY HILTI FASTENING SYSTEMS, INC. (OR APPROVED EQUIVALENT).		PERPENDICULAR TO GRAIN) 750 PSI E. E 1,900,000 PSI		
THE "HAS-E THREADED ROD" SHALL CONFORM TO ISO 898 CLASS 5.8 WITH A MINIMUM TENSILE STRENGTH OF 72.5 KSI. THE NUT SHALL CONFORM TO SAE	610.9	PROVIDE MINIMUM 4" BEARING FOR ALL "MICROLLAM" MEMBERS		
THE SPACING AND MINIMUM EMBEDMENT OF POST-INSTALLED ANCHORS	610.10	PROVIDE NAILING PATTERN IN COMPLIANCE WITH THE DESIGN BY ONG CODE'S RECOMMENDED FASTENING SCHEDULE WHEN JOINING TWO MORE FRAMING MEMBERS.		
SHALL BE AS INDICATED ON DRAWINGS. THE INSTALLATION OF THE ANCHORS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES.	610.11	ALL WOOD JOIST OR HEADERS ENDS WHAT AME INTO BEAMS SHALL HUNG WITH THE FOLLOWING JOISTS HANGES AS MANUFACTURED BY SIMPSON STROMG-TIE COMPANY, INC., OR WILL STROVED SUBSTITUTES WITH THE FOLLOWING WORKING LOAD CAPACITY.		
MASONRY		WITH THE FOLLOWING WORKING LOAD CAPACITY JOIST SIMPSON SIZE HANGER CITY		
BRICK VENEER ANCHORS SHALL BE PROVIDED PER ACI 530 AND SHALL BE SPACED NOT MORE THAN 16" O.C. HORIZONTALLY OR VERTICALLY WITH		SIZE HANSER OF CITY 2X6 U26 705		
ADDITIONAL ANCHORS PROVIDED WITHIN 8* OF OPENINGS AND SPACED NOT MORE THAN 16" AROUND PERIMETER, BRICK VENEER ANCHORS INSTALLED		2X8 705 85. 2X2 1,175 LBS.		
IN WALLS WITH A DIMENSION FROM INSIDE FACE OF BRICK TO FACE OF BACKUP SUBSTRATE GREATER THAN 4 1/2* SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NORTH	M	0 1,175 LBS. 2-2X 990 LBS. 2-2X8 HUZS 1,303 LBS.		
CAROLINA FOR WIND AND SEISMIC LATERAL LOADS.		2-2X0 HU210 1,606 LBS. 2-2X12 HU212-2 2,016 LBS		
BRICK VENEER ANCHORS SHALL MEET THE REQUIREMENTS OF ACI 530 SEISMIC PERFORMANCE CATEGORY C.	620.	STRUCTURAL WOOD PANELS,WOOD SHEATHING		
STRUCTURAL STEEL	62544	FURNISH PANELS THAT ARE EACH FACTORY MARKED WITH A		
ALL STRUCTURAL STEEL WORK SHALL BE IN ACCORDANCE WITH ANS 380 - 10 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" LOADS, FORCES AND MOMENTS INDICATED ARE STRUCE LEVELS NO A REINTENDED FOR USE WITH THE ALLOWABLE STRUCK SIGN PROSPICIONS OF THE		CERTIFICATION STAMP EVIDENCING COMPLIANCE WITH GRADE AND SPAN STAING REQUIREMENTS. THE CENTER-TO-CENTER SPACING IN INCHES SHALL NOT EXCEED THE SPAN RATING STAMPED ON THE PANELS. INSTALLATION OF THE PANELS SHALL BE IN ACCORDANCE WITH THE		
CODE. GRADE OF STEEL	620.2	RECOMMENDATIONS OF THE APA. PANELS SHALL COMPLY WITH USDOC PS-1 OR PS-2 AND APA PRP-108 AND		
A STRUCTURAL W SHAPES TM A992 B. STRUCTURAL C. MC. AND I. SHAPES TM A36	620.2	SHALL MEET THE FOLLOWING REQUIREMENTS: A. WALL SHEATHING:		
C. HOLLOW STRUCTURAL SECTIONS (HSS) ROUND OF RECTANGULAR) ASTM A500.		MIN. THICKNESS = 7/16" (AT NON-SHEAR WALL) BOND CLASSIFICATION = EXPOSURE 1 EXTERIOR		
GRADE B OR ASTM A1085, GRADE 50		2. BOND CLASSIFICATION = EXPOSURE 1 EXTERIOR 3. GRADE = APA RATED STRUCTURAL 1 4. SPAN RATING = AS REQUIRED TO SUIT STUD SPACING		
D. SPEEL ASTM A53 GRADE B		"SEE PLAN FOR SHEAR WALL LOCATIONS		
E. ASTM A36		B. ROOF SHEATHING:		
ALL DUTED MANAGEMENTS OF THE SEARCH MANAGEMENTS OF THE SEARCH MANAGEMENT OF STRUCTURAL CONNECTIONS (RCSC) "SPEC SCA ON FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" (LATES #TION).		MIN. THICKNESS = 5/8" BOND CLASSIFICATION = EXPOSURE 1 EXTERIOR GRADE = APA RATED SHEATHING		
ACCOUNTS HALL BRASTM A325, TYPE 1, 3/4" DIAMETER MINIMUM, UNLESS OTHER WASTER HE CONTRACTOR MAY UTILIZE ASTM A490 TYPE 1 BOLTS	620.3	 SPAN RATING = AS REQUIRED TO SUIT JOIST/TRUSS SPACING ALL PANELS WHICH HAVE ANY EDGE OR FACE PERMANENTLY EXPOSED TO 		
OFFICIENCE OF THE CONTRACTOR MAY UTILIZE ASTM A490, TYPE 1 BOLTS, THE USE OF BOLTS WITH DIFFERENT ASTM DESIGNATIONS AND THE SAME DIAMETER IS PROHIBITED.	620.3	THE WEATHER SHALL BE CLASSED EXTERIOR, EXCEPT OPEN SOFFITS OR ROOF SHEATHING EXPOSED ON THE UNDERSIDE MAY BE CLASSED EXPOSURE 1.		
PROVIDE THE FOLLOWING BOLTED JOINT TYPES UNLESS OTHERWISE INDICATED OR NOTED ON DRAWINGS: A. SNUG-TIGHTENED JOINTS: ALL SIMPLE SHEAR CONNECTIONS.	620.4	ALL ROOF PANELS SHALL HAVE THE END JOINTS LOCATED OVER SUPPORTS AND SHALL HAVE THE ROWS STAGGERED ONE HALF PANEL LENGTH FROM ADJACENT PANELS. PROVIDE 1/8" SPACE AT PANEL ENDS AND EDGES.		
ALL WELDING SHALL BE IN ACCORDANCE WITH THE STRUCTURAL WELDING CODE, AWS D1.1, LATEST EDITION, OF THE AMERICAN WELDING SOCIETY. ELECTRODES SHALL BE E70XX FOR MANUAL ARC WELDING AND FTX-EXXX	620.5	ALL WALL PANELS SHALL HAVE THE END JOINTS LOCATED OVER SUPPORTS.		
FOR SUBMERGED ARC WELDING. ALL BEAM-TO-COLUMN CONNECTIONS SHALL BE SELECTED FOR THE	620.6	WALL PANELS WHICH ARE INSTALLED IN MULTIPLE COURSES (ROWS) SHALL HAVE VERTICAL PANEL JOINTS STAGGERED ONE HALF THE PANEL LENGTH AND SHALL HAVE THE FREE EDGES OF THE PANELS BLOCKED BETWEEN		
ALL BEAM-TO-COLUMN CONNECTIONS SHALL BE SELECTED FOR THE SUMMATION OF THE FOLLOWING LOADS: A. THE BEAM END CONNECTION DESIGN REACTION REQUIRED BY THE		THE STUDS WITH 2X4 BLOCKING INSTALLED WITH THE BROAD FACE AGAINST THE FACE OF THE PANEL. PROVIDE 1/8" SPACE AT PANEL ENDS AND EDGES.		
GENERAL NOTES BELOW. B. A MINIMUM 10.0 KIP AXIAL FORCE (IN TENSION AND COMPRESSION).	620.7	ALL ROOF STRUCTURAL PANELS SHALL BE NAILED WITH 8d SPIRAL OR RING SHANK NAILS AT 8° OC. SHEATHING SHALL BE NAILED AT ALL ENDS AND		
CUTS, HOLES AND COPING, ETC. REQUIRED FOR OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWING AND MADE IN THE SHOP. CUTS OR BURNING OR HOLES IN STRUCTURAL STEEL IN THE FIELD WILL NOT BE PERMITTED.		INTERMEDIATE SUPPORTS. ALL WALL STRUCTURAL PANELS SHALL BE NAILED WITH 8D COMMON NAILS		
ALL STRUCTURAL STEEL FRAMES SHALL BE SECURELY BRACED UNTIL ALL FLOOR SLABS, ROOF DECKS, AND SHEAR WALLS HAVE BEEN INSTALLED AND BECOME CAPABLE OF STABILIZING THE FRAMES.	620.9	AT 6" ON CENTER AT ALL ENDS, EDGES, AND INTERMEDIATE SUPPORTS. NAIL SPACING SHALL BE 4" ON CENTER AT CORNER STUDS OR AS INDICATED ON THE SHEAR WALL ELEVATIONS. METAL BLATE WOOD, TRUSPER SERVING, AS POLICIPAL ELEVATION IN WOOD.		
ALL STRUCTURAL STEEL WORK, EXCEPT PORTIONS OF MEMBERS TO BE WELDED, FIELD BOLTED, OR FIREPROOFED, SHALL BE SHOP PAINTED WITH THE FABRICATORS STANDARD PRIMER APPLIED TO A THICKNESS OF 1 MIL ON STEEL THAT HAS BEEN PREPARED IN ACCORDANCE WITH SSPC-SP2.		METAL PLATE WOOD TRUSSES SERVING AS BOUNDRY ELEMENTS IN WOOD DIAPHRAGAS SHALL BE EITHER DESIGNED FOR THE HORIZONTAL UNT SHEAR FORCE EQUIVALENT TO THE SHEATHING ATTACHMENT INDICATED OR FULLY SHEATHED BY STRUCTURAL WOOD PANELS ATTACHED AS SPECIFIED FOR THE DIAPHRAGM IN WHICH THE TRUSS IS INSTALLED.		
ADDITIONAL AREAS SHALL BE FIELD PAINTED AFTER WELDING.	635.	WOOD TRUSSES		
BOLT AND WELD TESTING: A. ALL SHOP AND FIELD BOLTS SHALL VISUALLY INSPECTED.	635.1	WOOD TRUSSES SHALL CONFORM TO THE MOST CURRENT APPLICABLE		
B. ALL WELDS SHOULD BE VISUALLY INSPECTED.		EDITION OF THE DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD ROOF TRUSSES, OF THE TRUSS PLATE INSTITUTE, INC. AND THE NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER		
LEVELING GROUT SHALL BE NON-SHRINK, NON-METALLIC TYPE, FACTORY PRE-MIXED GROUT TESTED IN ACCORDANCE WITH CE-CRD-C621 OR ASTM		AND THE NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER AND ITS FASTENING, OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.		

THE WOOD TRUSS MANUFACTURER SHALL SUBMIT STRUCTURAL CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGING LICENSED TO PRACTICE IN THE STATE OF NORTH CAROLINA.

THE DELEGATED TRUSS SYSTEM DOCUMENTS, SIGNED AND SEALED BY THE TRUSS SYSTEM ENGINEER, SHALL COMPLY WITH ALL REQUIREMENTS INDICATED AND DEPICTED ON THE CONSTRUCTION DOCUMENTS. THE DELEGATED TRUSS SYSTEM ENGINEERS SHALL BE REQUIRED TO CONTACT AND AND ADDRESS OF THE STATEMENT OF THE DELEGATED TRUSS SYSTEM DEGINEER OF THE DELEGATED TRUSS SYSTEM DOCUMENTS SHALL NOT BE CONSIDERED AS WRITTEN APPROVIA. AND DOES NOT RELEVE THE DELEGATED TRUSS SYSTEM DOCUMENTS SHALL NOT BE CONSIDERED AS WRITTEN APPROVIA. AND DOES NOT RELEVE THE DELEGATED TRUSS SYSTEM DECIMENTS OF THEIR RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS SHEEDED ON THE CONSTRUCTION DOCUMENTS.

635.5 THE WOOD TRUSS MANUFACTURER SHALL SPECIFY AND PROVIDE ALL BRACING AT TOP AND BOTTOM CHORDS AS REQUIRED TO STABILIZE THE FLOOR OR ROOF STRUCTURE DUBLING AND AFTER CONSTRUCTION, IN ADDITION TO THE BRACING INDICATED ON THE STRUCTURAL DRAWINGS.

635.6 ERECTION SHALL BE IN ACCORDANCE WITH TRUSS PLATE INSTITUTE RECOMMENDATIONS.

TEMPORARY TRUSS BRACING SHALL BE INSTALLED IN ACCORDANCE WITH TRECOMMENDED DESIGN SPECIFICATIONS FOR TEMPORARY SPRACING OF METAL PLATE CONNECTED WOOD TRUSSES' (198-89) AND TOOMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES' (198-91) NISTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES' (198-91) NISTALLIAL LIKE BERACING REQUIRED BY THE TRUSS DESIGNER TEMPORARY BOTTOM CHORD WEB PRACING SHALL REMAIN PERMANENTLY IN PLACE. THE BOTTOM CHORD SHALL BE SHALL SH

635.11 BOTTOM CHORD BEARING PARALLEL CHORD TRUSSES SHALL BE CLEARLY MARKED IN A MANNER WHICH WILL AVIDI INVERTED INSTALLATION IN ACCORDANCE WITH THE TRUSS FLATE INSTITUTE: "NATIONAL DESIGN STANDARD FOR METAL FLATE CONNECTED WOOD TRUSS CONSTRUCTION," ANAITPT I - LATEST EDMION.

THE WOOD TRUSS MANUFACTURER SHALL REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR COORDINATION OF MECHANICAL FLECTRICAL UNITS AND SPECIAL CONCENTRATED LOADS SUPPORTED BY THE WOOD TRUSSES NOT INDICATED ON THE STRUCTURAL DRAWINGS.

635.13 WHERE MECHANICAL / ELECTRICAL LOADS ARE ATTACHED TO THE WOOD TRUSSES, ATTACHED LOADS SHALL NOT EXCEED THE LOADS INDICATED IN THE NOTES ABOVE. WHERE THE ACTUAL LOADS EXCEED THE LOADS INDICATED ABOVE. THE WOOD TRUSS MANUFACTURER SHALL ETHER PROVIDE ADDITIONAL PRANING TO DISTRIBUTE THE LOADS TO CONFORM TO THE LOADS INDICATED OR PROVIDE ADDITIONAL LOCALIZED CAPACITY IN THE WOOD TRUSS DESIGN TO SUPPORT THE ACTUAL LOAD.

635.14 WHERE MULTIPLE PIPING LINES RUN PARALLEL, STAGGER THE PIPE SUPPORT HANGERS AS REQUIRED TO COMPLY WITH THE LOADS INDICATED ABOVE.



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STAMPS





ALBEMARLE SHOPS CHARLOTTE, NO

ISSUE DATE

FOR CONSTRUCTION ONLY 07.01.20

DRAWING DATA

DRAWN BY: CHECKED BY:

GENERAL NOTES

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