1 2 3 4 CODES AND SPECIFICATIONS:	5 CONTINUES DEADLISE ON DEDOCAL AT EXTEDIOD OD OTHERWISE HINLEGATED	10	DRAWING LIST:
	<ol> <li>FOOTINGS BEARING ON BEDROOK AT EXTERIOR OR OTHERWISE UNHEATED LOCATIONS SHOULD BE FOUNDED AT LEAST 2'-D' BELOW ADJACENT GROUND SURFACE FOR FROST PROTECTION.</li> </ol>	19. PLACE CONCRETE IN A UNIFORM NAMER TO PREVENT THE FORMATION OF COLD JOINTS	SDD1 GENERAL NOTES
ESION, MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE OLLOWING STANDARDS UNLESS DTHERWISE MODIFIED IN THE DRAWINGS OR I THE PROJECT MANUAL.	<ol> <li>ALL FOOTINGS SHALL BEAR ON BEDROCK, CONTRACTOR SHALL INFORM STRUCTURAL ENGAGER OF ANY LARGE VARIATIONS IN BEDROCK.</li> </ol>	AND OTHER PLANES OF WEAKNESS, VIBRATE THE CONCRETE TO FULLY EMBED REINFORCING.	SDD2 GENERAL NOTES SYMBOLS AND ABBREV 5D101 FIRST FLOOR DEMOLITION PLAN
BUILDING CODES/STRUCTURAL CODES:		20. DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FRIDZEN GROUND.	51D1 FOUNDATION PLAN 51D2 SLAB PLAN & DETAILS 51D3 RETAINING WALL PLAN & DETAILS
A. THE BOCA NATIONAL BUILDING CODE/1996.	<ol> <li>ALL CONCRETE SLABS TO REST ON SELECT GRANULAR NATERIAL, REFER TO SPECIFICATIONS.</li> </ol>	21. DO NOT ALLOW CONCRETE SUBBASE TO FREEZE DURING CONCRETE CURING AND SETTING  22. FOR COLD—WEATHER AND HOT—WEATHER CONCRETE PLACEMENT, CONFORM TO APPLICABLE	
ANSI/ASCE 7—95 "NININUM DESIGN LOADS FOR BUILDING & OTHER STRUCTURES".  THE DESIGN OF STRUCTURAL STEEL IS IN ACCORDANCE WITH THE REDURBMENTS OF	8. BACKFILL BOTH SIDES OF ALL WALLS EVENLY UNTIL THE LOWEST ELEVATION IS REACHED.	22. FOR COLD-WEATHER AND HOT-WEATHER CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDE, CALCIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER	S201 ROOF/SECOND FLOOR FRAMING PLAN S203 ROOF/SCREEN WALL FRAMING PLAN S401 FOUNDATION DETAILS & SECTIONS S402 FOUNDATION DETAILS & SECTIONS
. THE DESIGN OF STRUCTURAL STEEL IS IN ACCORDANCE WITH THE REDUREMENTS OF ASC "MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN", NNTH EDITION.	9. CONDRETE WALLS SHALL ATTAIN A WINNUM STRENGTH OF 7D% F's BEFORE PLACING BACKFILL ACAINST THEM.	FOR 7 DAYS MINMUN.	S403 MISCELLANEOUS DETAILS & SECTIONS S404 MISCELLANEOUS DETAILS & SECTIONS
. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE ABOVE AISO SPECIFICATION.		<ol> <li>CONCRETE SANPLES &amp; TESTS SHALL BE PERFORMED IN ACCORDANCE WITH ACI 318–95, SECT. 5.</li> </ol>	SSD1 FRAMING DETAILS & SECTIONS SSD2 MISCELLANEOUS DETAILS & SECTIONS
. THE DESIGN OF REINFORCED CONGRETE IS IN ACCORDANCE WITH "BULLDING CODE REDURBMENTS FOR STRUCTURAL CONGRETE" (ACI 318-99).	10. LEVELS OF BACKFILL AGAINST FOUNDATION WALLS (EXCEPT CANTILEVER RETAINING WALLS) SHALL NOT DIFFER BY MORE THAN 2'-0' DO BITHER SOC OF WALLS UNLESS WALLS ARE ADEQUATELY BRACED OR ALL FLOOR FRAMING AND CONCRETE IS IN PLACE UP TO AND INCLUDING FIRST FLOOR	24. LAP ALL HORIZONTAL BARS NARKED "CONT" MINNUM 40 BAR DIANETERS.	S5D3 FRAMING DETAILS & SECTIONS
. CRSI RECOMMENDED PRACTICE FOR PLACING RENFORCED CONCRETE.	FRAMING AND CONCRETE IS IN PLACE UP TO AND INCLUDING FIRST FLOOR LEVEL CONCRETE SLABS.	<ol> <li>ALL VERTICAL CONCRETE SURFACES TO BE FORMED INCLUDING EDGES OF FOOTINGS.</li> </ol>	
GENERAL NOTES:	11. PROTECT EXCAVATION FROM FLODDING UNTIL ALL WALLS & FLOOR FRAMING	CONCRETE MASONRY UNIT (CMU)	
. THE STRUCTURAL DRAWINGS SHALL BE WORKED IN CONJUNCTION WITH THE ARCHITECTURAL, NECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND THE	UP TO AND INCLUDING FIRST FLOOR LEVEL ARE IN PLACE AND BACK— FILLING HAS BEGUN, WATER LEVEL SHALL BE NAINTAINED BELOW TOP OF	OCHONETE MINOSIANT SHIT (SING)	
PROLECT MANUAL NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS WITH DRAWINGS, NOTES AND PROJECT MANUAL	BACKFILL AT ALL TINES.  12. REFER TO SPECIFICATIONS FOR SOIL TESTING AND FOUNDATION SUBGRADE	<ol> <li>ALL CONCRETE BLOCK WORK SHALL CONFORM TO THE "NATIONAL CONCRETE MASORRY ASSIDIATION SPECIFICATIONS," LATEST EDITION AND SHALL BE IN ACCORDANCE WITH "ACI 530 BUILDING CODE RECURENENTS AND SPECIFICATION FOR MASORRY STRUCTURES," LATEST EDITION.</li> </ol>	
. ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED	INSPECTION REQUIREMENTS PRIOR TO FORMWORK CONSTRUCTION.		
BY CONTRACTOR AT THE SITE PRIOR TO ANY CONSTRUCTION OR FABRICATIONS.  CONTRACTOR SHALL VERIEV ALL RELD DIMENSIONS BY MEASUREMENT AT THE	CONCRETE NOTES:	<ol> <li>CONCRETE MASONRY UNITS SHALL BE OF NORMAL WEIGHT AGGREGATE. COORDINATE BLOCK TYPES WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS.</li> </ol>	
CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS BY NEASUREMENT AT THE JOB SITE BEFORE SUBNITTING SHOP DRAWINGS.	<ol> <li>DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING APPLICABLE CODES: ACI 301, "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE", ACI 318, "BUILDING GODE REQUIREMENTS FOR STRUCTURAL CONCRETE";</li> </ol>	3. ALL NORTAR SHALL BE ASTN 0270, TYPE S.	
. CONTRACTOR SHALL VERIFY FRAMING OR SUPPORT FOR NECHANICAL EQUIPMENT AND ANY NECHANICAL DPENINGS WITH MECHANICAL TRADES PRIOR TO SUBMISSION	STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE"; ACT 31B, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE";	4. ALL BLOCK DIMENSIONS INDICATED ON STRUCTURAL PLANS ARE NOMINAL DIMENSIONS.	
OF SHOP DRAWINGS.  DETAILS SHOWN ARE TYPICAL! SINILAR DETAILS APPLY TO SINILAR DONOTIONS,	MIX DESIGN SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PLACING CONCRETE.	<ol> <li>GROUT TO CONFORM TO ASTIN C478, COMPRESSIVE STRENGTH OF 2,000 PSI AFTER 28 DAYS, GROUT ALL BOND BEAMS &amp; DNU CORES WITH STEEL REINFORCEMENT SOUD</li> </ol>	
. These drawings do not include necessary components for constr. Safety.		B. ALL CONCRETE BLOCK BELOW GRADE SHALL BE FILLED SOLD WITH NORTAR.	
BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED.	<ol> <li>DONCRETE SHALL BE NORMAL WEIGHT, 6% AIR ENTRAINED (±1.5%) WITH A MAXINUM 4" SLUMP, AND HAVE A NINMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE NOTED.</li> </ol>	<ol> <li>CONCRETE BLOCK BELOW BEAM BEARING POINTS SHALL BE FILLED SOLID FOR A MINIMUM OF TWO COURSES IN DEPTH AND A MINIMUM OF 32° IN WIDTH, LNID.</li> </ol>	
	4. MAXIMUN ACCRECATE SIZE SHALL BE 3/4".		
CONTRACTOR SHALL DETERMINE DATE! LOCATION OF DUSTING UTILITIES, GROUNDS, DRAIN PPES, VENTS, ETC. BEFORE COMMENCING WORK.	5. NON SHRINK GROUT SHALL HAVE A MINIMUM COMPRESSIVE (DUBE) STRENGTH OF 5,000 PSI 9 28 DAYS.	STRUCTURAL STEEL NOTES:	
, Incorrectly Fabricated, Damaged, or otherwise Mistitling or Noncolfforming Materials or Conditions Shall be reported to the Owner from to Remedial or edifferentive action. Any such action shall require approximations	6. THE FOLLOWING MATERIALS SHALL BE USED:	1. STRUCTURAL STEEL SHAPES, PLATES AND BARS SHALL CONFORM TO THE FOLLOWING;	
O. EACH CONTRACTOR SHALL COOPERATE WITH THE OWNERS REPRESENTATIVE,	PORTLAND CEMENT: ASTM C 150, TYPE I	A. W-SHAPES: ASTM A572, GRADE 50, (WITH SPECIAL REQUIREMENTS) AS PER AISC TECHNICAL BUILLETN (3, DATED MARCH 1997 (ASTM A992)	
AND CDORDINATE HIS WORK WITH THE WORK OF OTHERS.  1. ANY DEVIATION FROM DRAWINGS OR NOTES SHALL BE COORDINATED WITH	REINFORCEMENT: ASTM A 185	B. Channels, angles, and plates: ASTM A38	
STRUCTURAL ENGINEER.	NORMAL WT. AGGREGATE: ASTM C 33	C. TUBE STEEL — ASTM ASOCI GRADE C	
<ol><li>ALL PENETRATIONS SHALL BE COORDINATED WITH STRUCTURAL DRAWINGS AND STRUCTURAL ENGINEER.</li></ol>	WATER: POTABLE	<ol> <li>ALL STRUCTURAL STEEL USED SHALL BE DELIVERED, FINISHED WITH ONE COAT FABRICATOR'S NON-LEAD, RED DXIDE PRIMER, PRIMING SHALL BE</li> </ol>	
EXCAVATION NOTES	ADMIXTURES: NDN-CHLORIDE CONTAINING	PERFORMED AFTER SHOP FABRICATION. (SEE PAINTING NOTES)	
1. EXCAVATE TO INDICATED ELEVATIONS AND DIMENSIONS WITHIN A TOLERANCE	<ol> <li>REINFORCING DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 316.</li> </ol>	<ol> <li>DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL NENBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.</li> </ol>	
GF PLUS OR NINUS ONE (1) INCH. EXTEND EXCAVATIONS A SUFFICIENT DISTANCE FROM STRUCTURES FOR PLACING AND REMOVING CONDRETE FORMWORK, FOR INSTALLING SERVICES AND OTHER CONSTRUCTION, AND FOR INSPECTIONS.	B. REINFORCING STEEL SHALL CONFORM TO ASTIM A 615, GRADE 60, DEFORMED MILESS NOTICE OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTIM A 185	4. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE	P:\2001\3501001.00\Tbk\HPI eqe.git
	WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNC.	"SIRUCTURAL WELLING CODE — STEEL (ANS/AWS 01.1) OF THE ANERICAN WELLING SOCIETY", CLASS 70 SERES ELECTROLES.	
A. EXCAVATIONS FOR FOOTINGS AND FOUNDATIONS: DO NOT DISTURB BOTTOM OF EXCAVATION. EXCAVATE BY HAND TO FINAL GRADE	<ol> <li>REINFORCING BARS AND WELDED WIRE FABRIC SHALL NOT BE WELDED, TACK—WELDED, OR USED FOR A STRIKING ARC.</li> </ol>	5. BOLTS AND BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS OR A480 BOLTS" AS APPROVED BY THE RESEARCH COUNCIL ON RIVETED AND BOLTED JOINTS.	
BOTTOM OF EXCAVATION, EXCAVATE BY HAND TO FINAL GRADE JUST BEFORE PLACING CONDRETE REINFURCEMENT, TRIM BIDTIONS TO REQUIRED LINES AND GRADES TO LEAVE SQUID BASE AND TO RECEIVE	TACK—WELDED, OR USED FOR A STRIKING ARC.  1G. REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.		<u> </u>
OTHER WORK.  B. EXCAVATIONS BELOW AND ADJACENT TO EXISTING FOUNDATIONS SHALL MAINTAIN	11. DO NOT USE VIBRATORS TO TRANSPORT CONCRETE THROUGH CHUTES OR FORNWORK.	6. BEAM CONNECTIONS:	
B. EXCAVATIONS BELOW AND ADJACENT TO EXISTING FOUNDATIONS SHALL MAINTAN A 1 L_SLOPE FROM THE BIDITION OF FOOTING UNLESS NOTED OTHERWISE.	12. THE FOLLOWING MINIMUM CONCRETE DOVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:	A. WHERE BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS ARE NOT DETAILED THEY SHALL BE DESIGNED TO TRANSFER THE REACTION FOR A SIMPLY SUPPORTED, UNFORMLY LIDADED BEAM OF SAME SIZE, SPAN AND FY AS LISTED	d FOR CONSTRUCTION no. revisions/submissions
COMPACTION OF BACKFILLS	STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:  CONCRETE CAST AGAINST EARTH3 IN.	IN THE TABLE HE HINERDAY THAD PHINSTANIS AIST MANUAL HE	TIO. [Tevisions/satisfications]
	CONCRETE EXPOSED TO EARTH OR WEATHER:	STEEL CONSTRUCTION, EIGHTH EDITION, OR FOR THE REACTION SHOWN ON THE FRAMING PLAN, WHICHEVER IS GREATER. WHERE ND REACTION IS SHOWN ON THE FRAMING PLAN, CONNECTION SHALL TRANSFER THE REACTION AS DESCRIBED ABOVE, UNLESS NOTED OTHERWISE.	d 1" 2* 3*
1. PLACE BACKFLL AND FILL MATERIALS IN LAYERS NOT NOTE THAN 6 INCHES IN LOOSE DEPTH FOR NATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN FOUR (4) INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED	#6 AND LARGERZ IN. #5 AND SNALLER & WWF1 1/2 IN.		Einhorn ARCHITECTURE & ENGINEE
AND NOT MORE THAN FOUR (4) INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.	CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:	B. ALL FRAMED BEAM CONNECTIONS NOT DETAILED SHALL BE DESIGNED AS DOUBLE ANGLE CONNECTION, PROVIDE THE WINIMUM NUMBER OF HORIZONTAL BOLT ROWS AS SHOWN BELLOW, BASED ON 3" C/C, UNLESS NOTED OTHERWISE:	Yaffee William Basin Break
<ol> <li>PLACE BACKFILL AND FILL MATERIALS EVENLY ON ALL SIDES OF STRUCTURES TO REQUIRED ELEVATION UNFORNLY ALONG THE FILL LENGTH OF EACH STRUCTURE.</li> </ol>	SLAB AND WALL3/4 IN. BEAMS AND COLUMNS1 1/2 IN.		Prescott Prescott
3. COMPACT SDIL TO NOT LESS THAN THE 95% PERCENT OF MAXINUM	<ol> <li>A 3/4" MIN, CHANFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, N ACCORDANCE WITH ACI 301 SECTION 2.2.3.2.</li> </ol>	NOUNAL DEPTH OF BEAM MN. NO. OF HORZ, BOLT ROWS	
DRY UNIT WEIGHTS ACCORDING TO ASTN D 1557.		6 1	
FOUND ATION:	14. INSTALLATION OF CONCRETE ANCHORS, SHALL BE PER MANUFACTURERS WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR ENBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN	8", 10" 2	CommTel Data Center 380 Cumberland Avenue
1. ALL FOOTINGS ARE DESIGNED FOR NET ALIGNABLE CONTACT PRESSURE OF 15,000 PSF	DRAWINGS, NO REBAR SHALL BE CUT WITHOUT PRIDR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE.	12", 14", 16", 18" 3	Portland, Maine
<ol> <li>ALL FOOTINGS ARE DESIGNED FOR NET ALLGINABLE CONTACT PRESSURE OF 15,000 PSF WITH AN ULTIMATE FRICTION COEFFICIENT OF 0.7 BETWEEN NEW FOOTINGS AND CLEAN BEDROCK SUBGRADE AND A NIN SAFETY FACTOR OF 1.5 TO RESIST SUBNOL.</li> </ol>	15. CURING COMPDUNES SHALL CONFORM TO ASTM C-309.	21, 24" 4	GENERAL NOTES
<ol> <li>CONTRACTOR TO PROVIDE A SUITABLE MEANS OF KEEPING EXCAVATION FREE OF STANDING, OR SURFACE WATER.</li> </ol>	16. ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED N ACI—301	27", 30" 5	seal designed by project no.
3. FOOTINGS ARE TO BE CENTERED ON WALLS OR COLLIMNS UNLESS NOTED		33", 36" 6  NINMUN OF 2 BOLTS PER CONNECTION IS REQUIRED	trawn by RT CAD file na. CTL-
OTHERWISE (UNO).	17. ALL DOWELS, ANCHOR BOLTS, ENBEDDED STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, GROUNDS AND ALL CHINE EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT AND SHALL FOLLOW ALL PROVISIONS SPECIFIED IN ACI 318—95. SEE MECHANICAL, ELECTRICAL, PLUNBING	The second of th	checked by drawing no.
<ol> <li>ALL FODTINGS TO BE PLACED ON UNDSTURBED BEDROCK, FREE OF ORGANIC NATTER, DEBRIS, RUBBLE, FROZEN, OR NUDDY SOIL, ETC., OR AS APPROVED BY ENGINEER; REFER TO SPECIFICATIONS.</li> </ol>	SPECIFIED IN ACI 318—95. SEE MECHANICAL, ELECTRICAL, PLUNDING & FIRE PROTECTION DRAWINGS FOR SIZE & LOCATION		date 07/13/01 SOO
AS AFFROMED BY ENGINEERS REFER IN SPELIFICATIONS.			30de