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09.20.17

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structural

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date of issue:

PROJECT INFORMATION





SMHa project no:

CCU BROOKS STADIUM EAST GATES STATE PROJECT NO. H17-N123-MJ

03.12.20



1905.00

TION ONLY AND ARE FROM RENCE CODE IS 2015 IBC PER OSE. LS101 OSE CODE REVIEW INFORMATION LS102 LIFE SAFETY PLAN - LEVEL 1

TES

LAN

S AND DETAILS



PAIR OF GATES – MANSORY PIERS (2)

SINGLE GATE (TYP OF 2)

- EXISTING MANSORY PIER (TYPE OF 2)

EXISTING GATE POST TO REMAIN. SEE DEMO NOTE 2.

GENERAL NOTES:

- DIMENSIONS TO FACE OF MASONRY UNLESS NOTED OTHERWISE. ALL EXTERIOR MASONRY DIMENSIONS ARE NOMINAL. FOR ACTUAL DIMENSIONS Α SEE ENLARGED DETAILS CONTRACTOR SHALL MAKE PROPER ALLOWANCES FOR
- JOINT DIMENSIONS WHEN LAYING OUT THE WORK. GENERAL CONTRACTOR TO LAYOUT LOCATION OF PIERS ACCORDING TO THE DIMENSIONS SHOWN ON THIS SHEET RELATIVE TO THE EXISTING PIERS. PATCH AND REPAIR ALL EXISTING CONSTRUCTION WHERE DEMOLITION OF
- ADJOINING OR INTERSECTING WORK RESULTED IN LESS THAM A FINISHED CONDITION. PATCHES SHALL BE FLUSH AND SMOOTH AND OF THE SAME MATERIAL AS EXISTING CONSTRUCTION.
- EXISTING WORK THAT ARE NOT INDICATED TO BE AFFECTED BY THE WORK ARE TO BE PROTECTED FROM DAMAGE. SHOULD THE GENERAL CONTRACTOR AFFECT THE CONDITION OR FINISH OF EXISTING WORK. THE SURFACE OR SPACE SHALL BE RESTORED TO ORIGINAL CONDITION. THE ELEVATION OF THE NEW PIERS SHALL MATCH THAT OF THE EXISTING PIERS.
- NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING G CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEDING WITH THAT PORTION OF THE WORK. FAILURE TO NOTIFY THE ARCHITECT WILL NOT RELIEVE THE CONTRACTOROF THE RESPONSABILITY TO PERFORM THE WORK AS INTENDED BY THE CONTRACT DOCUMENTS.
- VERIFY EXISTING DIMENSIONS, CONDITIONS AND CLEARANCES PRIOR TO THE H. SUBMISSION OF SHOP DRAWINGS.

DEMOLITION NOTES:

- REMOVE EXISTING FENCING AND GATES BETWEEN EXISTING PIERS. GATE POSTS AT EXISTING PIERS MAY REMAIN AND BE RELISED AT
- CONTRACTORS OPTION. REPAINT TO MATCH NEW WORK. CUT AND REMOVE EXISTING CONCRETE SLAB TO COORDINATE WITH EXISTING CONTROL JOINTS AND BRICK PAVERS. SEE PLANS.

CONSTRUCTION NOTES:

FENCE CONSTRUCTION AND DETAIL TO MATCH EXISTING. PROVIDE ALL HARDWARE AND ACCESSORIES FOR COMPLETE INSTALLATION. BRICK MASONRY TO MATCH EXISTING.

ABREVIATIONS

O. I.P. T A. ALV. O.	BOTTOM OF CAST IN PLACE CONTROL JOINT DIAMETER GALVANIZED TOP OF
Ο.	TOP OF
•	JOINT
V.	FIELD VERIFY





STEEL TUBE GALV. AND PAINTED

- PARGED FINISH TO MATCH CAST STONE
- FACE OF BRICK BELLOW
- CAST STONE BAND CAST STONE SEALANT JOINT



3 SECTION DETAIL AT GATE PIER/TRELLIS 1 1/2" = 1'-0"





sheet number



drawn by:





GENERAL NOTES:

- A. DIMENSIONS TO FACE OF MASONRY UNLESS NOTED OTHERWISE. ALL EXTERIOR MASONRY DIMENSIONS ARE NOMINAL. FOR ACTUAL DIMENSIONS B. SEE ENLARGED DETAILS CONTRACTOR SHALL MAKE PROPER ALLOWANCES FOR JOINT DIMENSIONS WHEN LAYING OUT THE WORK.
- GENERAL CONTRACTOR TO LAYOUT LOCATION OF PIERS ACCORDING TO THE C. DIMENSIONS SHOWN ON THIS SHEET RELATIVE TO THE EXISTING PIERS. D. PATCH AND REPAIR ALL EXISTING CONSTRUCTION WHERE DEMOLITION OF ADJOINING OR INTERSECTING WORK RESULTED IN LESS THAM A FINISHED CONDITION. PATCHES SHALL BE FLUSH AND SMOOTH AND OF THE SAME
- MATERIAL AS EXISTING CONSTRUCTION. EXISTING WORK THAT ARE NOT INDICATED TO BE AFFECTED BY THE WORK ARE E. TO BE PROTECTED FROM DAMAGE. SHOULD THE GENERAL CONTRACTOR AFFECT THE CONDITION OR FINISH OF EXISTING WORK. THE SURFACE OR SPACE
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- INTENDED BY THE CONTRACT DOCUMENTS. H. VERIFY EXISTING DIMENSIONS, CONDITIONS AND CLEARANCES PRIOR TO THE SUBMISSION OF SHOP DRAWINGS.

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3 SECTION THROUGH SIDE GATE 1/2" = 1'-0"



sheet number

print date:

DRAWINGS MAY NOT BE REPRODUCED WITHOUT PERMISSION	
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SPECIFICATIONS

SECTION 013000 - SUBMITTALS

1. PROVIDE PRODUCT DATA AND SHOP DRAWINGS TO GUIDE THE FIELD INSTALLATION OF ALL SYSTEMS. THE CONTRACTOR AND HIS SUBCONTRACTOR SHALL NOT USE THE CONTRACT DOCUMENTS AS SHOP AND COORDINATION DRAWINGS.

SECTION 14000 – QUALITY REQUIREMENTS

1. INFORMATION PERTINENT TO THE SCOPE OF WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. REFER TO STRUCTURAL AND ELECTRICAL FOR ADDITIONAL NOTES. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING COMPONENTS.

2. THE STRUCTURAL AND ELECTRICAL DRAWINGS SUPPORT THE ARCHITECTU DRAWINGS IN DEFINING THE SCOPE OF WORK OF THE CONTRACT DOCUMENTS DISCREPANCY BETWEEN THE ARCHITECTURAL AND THE ENGINEERING DRAWIN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE COMMENCE WITH THE WORK. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURA DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND NO ADDITIONAL COST TO THE OWNER.

DO NOT SCALE THE DRAWINGS. THE DRAWINGS ARE NOT NECESSARILY TO SCALE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE PRIOR TO THE START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION BEFORE COMMENCING WI THE WORK.

4. THE CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THEREON. HE SHALL INVESTIGATE, VERIFY, AND BE FAMILIAR WITH CONDITIONS OF THE PROJECT. HE SHALL NOTIFY THE OWNER OF ANY CONDIT REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE WORK.

5. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN. WHER SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

SECTION 016000 - PRODUCTS

1. DELIVER, STORE, AND HANDLE PRODUCTS USING MEANS AND METHODS THA WILL PREVENT DAMAGE, DETERIORATION, AND LOSS, INCLUDING THEFT. COMP WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

2. MANUFACTURER'S DISCLAIMERS AND LIMITATIONS ON PRODUCT WARRANTIE NOT RELIEVE CONTRACTOR OF OBLIGATIONS UNDER REQUIREMENTS OF THE CONTRACT DOCUMENTS.

3. GENERAL PRODUCT REQUIREMENTS: PROVIDE PRODUCTS THAT COMPLY W THE CONTRACT DOCUMENTS, THAT ARE UNDAMAGED AND, UNLESS OTHERWIS INDICATED, THAT ARE NEW AT TIME OF INSTALLATION. PROVIDE PRODUCTS COMPLETE WITH ACCESSORIES, TRIM, FINISH, FASTENERS, AND OTHER ITEMS NEEDED FOR A COMPLETE INSTALLATION AND INDICATED USE AND EFFECT

SECTION 017000 - EXECUTION

1. SHORE, BRACE, AND SUPPORT STRUCTURAL ELEMENTS DURING CUTTING AN PATCHING. DO NOT CUT AND PATCH STRUCTURAL ELEMENTS IN A MANNER TH COULD CHANGE THEIR LOAD-CARRYING CAPACITY. DO NOT CUT AND PATCH CONSTRUCTION IN A MANNER THAT RESULTS IN VISUAL EVIDENCE OF CUTTING PATCHING. REMOVE AND REPLACE CONSTRUCTION THAT HAS BEEN CUT AND PATCHED IN A VISUALLY UNSATISFACTORY MANNER.

CLEAN PROJECT SITE AND WORK AREAS DAILY, INCLUDING COMMON AREAS.

3. PROVIDE PROTECTION OF SITE AND WORK. MAINTAIN CONDITIONS THAT ENS INSTALLED WORK IS WITHOUT DAMAGE OR DETERIORATION AND CLEAN AT TIM SUBSTANTIAL COMPLETION

SECTION 024000 - DEMOLTION

1. COMPLY WITH GOVERNING EPA OR DHEC NOTIFICATION REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION. COMPLY WITH ANSI/ASSE A10.6 AND NFPA 241.

SECTION 033000 - CONCRETE

1. SEE SHEET S105.

SECTION 042000 - MASONRY

1. SEE SHEET S105 FOR ADDITIONAL REQUIREMENTS.

1. TYPICAL BRICK: CAMPUS STANDARD "FORTERRA COLUMBIA 4 #605 WAVERLY MILLS" BY MERIDIAN BRICK (89 TO 92 MM).

2. ACCENT BRICK: BLACK #1303-T-324 BY TAYLOR CLAY PRODUCTS, INC., SALISBURY, NC.

3. COLORED CEMENT PRODUCT: PACKAGED BLEND MADE FROM MORTAR CEMENT AND MORTAR PIGMENTS, ALL COMPLYING WITH SPECIFIED REQUIREMENTS, AND CONTAINING NO OTHER INGREDIENTS. FORMULATE CUSTOM BLEND TO MATCH EXISTING.

SECTION 047200 - CAST STONE

1. CAST STONE UNITS COMPLYING WITH ASTM C 1364 USING EITHER THE VIBRANT DRY TAMP OR WET-CAST METHOD.

20	1. SEE SHEET S105 FOR ADDITIONAL REQUIREMENTS.
	2. MESH – STAINLESS STEEEL EXPANDED METAL MESH IN FLAT BAR FRAME TO MATCH EXISTING NE GATE AND WEST STANDS TRELLIS.
	3. COORDINATE INSTALLATION OF ANCHORAGES FOR METAL FABRICATIONS.
DAI	4. PREASSEMBLE ITEMS IN THE SHOP TO GREATEST EXTENT POSSIBLE. DISASSEMBLE UNITS ONLY AS NECESSARY FOR SHIPPING AND HANDLING LIMITATIONS. CUT, DRILL, AND PUNCH METALS CLEANLY AND ACCURATELY. REMOVE BURRS AND EASE EDGES TO A RADIUS OF APPROXIMATELY 1/32 INCH, UNLESS OTHERWISE INDICATED. REMOVE SHARP OR ROUGH AREAS ON EXPOSED SURFACES.
S. NGS CING AL	5. IMMEDIATELY AFTER ERECTION, CLEAN FIELD WELDS, BOLTED CONNECTIONS, AND ABRADED AREAS. PAINT UNCOATED AND ABRADED AREAS WITH THE SAME MATERIAL AS USED FOR SHOP PAINTING TO COMPLY WITH SSPC-PA 1 FOR TOUCHING UP SHOP-PAINTED SURFACES.
AI	SECTION 099100 - PAINTING
T THE	1. STEEL AND GALVANIZED METAL SUBSTRATES (HIGH PERFORMANCE COATING): INCLUDING EXTERIOR STRUCTURAL STEEL COMPONENTS AND STAIRS.
TH H IONS	A. STEEL SHOP PRIMED AND/OR GALVANIZED SURFACES: B. SURFACE CONDITIONER FOR GALVANIZED STEEL: GALVANIZED METAL SURFACE CONDITIONER (AS NEEDED TO REMOVE PASSIVATORS). C. SHOP-APPLIED EPOXY-COMPATIBLE PRIME COAT: KEM-KROMIK UNIVERSAL METAL PRIMER (APPLIED IN SHOP BY QUALIFIED APPLICATOR). D. TREATMENT OF FIELD WELDS: CLEAN WELDS IN ACCORDANCE WITH SSPC-SP
iono	3, "POWER TOOL CLEANING" AND SPOT PRIME WITH MULTI-PURPOSE EPOXY PRIMER.
E	E. SOLVENT WIPE: SOLVENT WIPE EPOXY PRIMER IN FIELD PRIOR TO APPLICATION OF TOPCOAT IN ACCORDANCE WITH SSPC SP-1. SOLVENT WIPE FIELD INSTALLED BOLTS AND SPOT PRIME WITH MULTI-PURPOSE EPOXY PRIMEF F. INTERMEDIATE COAT: FAST CURE EPOXY (FIELD APPLY TO ALL BOLTS AND WELDS).
AT PLY	G. TOPCOAT: POLYURETHANE, TWO-COMPONENT, PIGMENTED, GLOSS (TO BE FIELD APPLIED BY QUALIFIED APPLICATOR WITHIN 90 DAYS OF EPOXY PRIMER APPLICATION).
	2. UNPRIMED STEEL SURFACES:
ітн	A. PRIME COAT: EPOXY ZINC PRIMER. B. TREATMENT OF FIELD WELDS: CLEAN WELDS IN ACCORDANCE WITH SSPC-SP 3, "POWER TOOL CLEANING" AND SPOT PRIME WITH MULTI-PURPOSE EPOXY PRIMER.
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	WELDS). E. TOPCOAT: TWO-PART POLYURETHANE (TO BE FIELD APPLIED BY QUALIFIED APPLICATOR WITHIN 90 DAYS OF EPOXY PRIMER APPLICATION). F. FINAL COAT: TWO-PART POLYURETHANE.
AND	SECTION 323000 - FENCING
URE	1. INSTALLER CONWAY FENCE CO. OR EXPERIENCED INSTALLER WHO HAS COMPLETED ORNAMENTAL FENCES AND GATES SIMILAR IN MATERIAL, DESIGN, AND EXTENT TO THOSE INDICATED FOR THIS PROJECT AND WHOSE WORK HAS RESULTED IN CONSTRUCTION WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE.
	2. MANUF. BARRETTE OR EQUAL DECORATIVE ALUMINUM FENCE AND GATES TO MATCH EXISTING, 1 INCH PICKETS AT 6 INCHES O.C. WITH FINIALS TO MATCH

EXISTING. 1-1/2 INCH HORIZONTAL RAILS. 2-1/2 INCH X 2-1/2 INCH MINIMUM WELDED

GATE FRAME, CCU TEAM LOGO TO MATCH EXISTING, AS SUPPLIED BY

SECTION 055000 – METAL FABRICATIONS

sheet number

BACK FILL CAP-WITH GROUT AS REQUIRED

CONSTRUCTION NOTES

1. ALL THE NOTES, DRAWINGS, AND DETAILS SHALL BE PROPERLY INTERPRETED BY THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS RESPONSIBLE FOR WORK OUTLINED BY THESE DRAWINGS. THE STRUCTURAL ENGINEER OF RECORD FOR THESE DOCUMENTS WILL PROVIDE THE NECESSARY INFORMATION FOR THE PROPER INTERPRETATION OF STRUCTURAL DATA.

2. THE CONTRACTOR SHALL FIELD VERIFY ALL DRAWING DIMENSIONS AND NOTIFY THE LEAD ARCHITECT AND/OR STRUCTURAL ENGINEER OF ANY NOTED DISCREPANCIES BETWEEN DRAWINGS.

3. UNLESS SPECIFIC DETAILS ARE PROVIDED BY THE STRUCTURAL ENGINEER, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROPER CONFIGURATION AND ERECTION OF TEMPORARY SHORING AND BRACING. THE CONTRACTOR SHOULD TAKE CONSIDERABLE CARE IN MAINTAINING THE INTEGRITY OR STABILITY OF THE STRUCTURE THROUGHOUT THE DURATION OF THE CONSTRUCTION.

4. THE CONTRACTOR MUST MAINTAIN AND DISTRIBUTE SHOP DRAWINGS TO THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION. FAILURE OF THE CONTRACTOR TO SUBMIT SHOP DRAWINGS MAY RESULT IN THE REMOVAL AND REPLACEMENT OF NON-APPROVED BUILDING ELEMENTS AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHOULD ALLOW 10 WORKING DAYS FOR THE APPROVAL OF SHOP DRAWINGS.

5. THE ORIGINATORS OF SHOP DRAWINGS MAY NOT REPRODUCE DESIGN DRAWINGS FOR THE PURPOSE OF SHOP DRAWING APPROVAL UNLESS GRANTED PERMISSION TO DO SO BY THE STRUCTUAL ENGINEER OF RECORD.

6. ALL HANDRAILS, STAIRS, OR BUILDING ELEMENT DESIGNED BY INTERESTS OTHER THAN THE STRUCTURAL ENGINEER OF RECORD, MUST BE SEALED BY THE RESPONSIBLE ENGINEER AND SUBMITTED TO THE CONTRACTOR FOR RECORDING PURPOSES.

7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT ALL BUILDING ELEMENTS ARE NOT SUBJECT TO LOADS GREATER THAN THOSE ALLOWED BY THE DESIGN LOAD TABLE.

8. THE CONTRACTOR MUST OBTAIN WRITTEN PERMISSION BY THE STRUCTURAL ENGINEER BEFORE DEVIATING FROM INSTRUCTIONS PROVIDED BY THE DESIGN DOCUMENTS.

9. DETAILS PROVIDED IN THESE DOCUMENTS MAY BE TYPICAL TO MULTIPLE LOCATIONS THROUGHOUT THE BUILDING AND SHOULD BE REPEATED AS APPLICABLE.

10. THE ENGINEER RESERVES THE AUTHORITY TO MODIFY THE BUILDING STRUCTURAL ELEMENTS AS NEEDED WHEN LOADING CONDITIONS ARE ALTERED FOLLOWING THE DESIGN PROCESS.

11. ALL EXISTING PROJECT CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR INCLUDING DIMENSIONS AND CONDITIONS. DESIGN DRAWING SPECIFICATIONS FOUND TO BE IN CONFLICT WITH EXISTING CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER.

12. QUESTIONS RELATING TO THE INCLUDED STRUCTURAL DRAWINGS MAY BE DIRECTED TO:

MARTINEZ & ASSOCIATES STRUCTURAL ENGINEERS, P.A.

- 1107 48th AVENUE NORTH
- MYRTLE BEACH, SOUTH CAROLINA 29577 (843) 839-1620 OFFICE
- (843) 839-1623 FAX

13. ENGINEERING DRAWINGS ARE PROTECTED BY UNITED STATES GOVERNMENT COPYRIGHT LEGISLATION AND MAY NOT BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF MARTINEZ & ASSOCIATES STRUCTURAL ENGINEERS, PROFESSIONAL ASSOCIATION.

CONCRETE:

1. ALL CONCRETE AND REINFORCING STEEL MUST BE INSTALLED PER THE CURRENT ADOPTED ISSURE OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE AND COMMENTARY 318.

2. THE CONTRACTOR IS RESPONSIBLE FOR ALL REINFORCING BARS TO BE SECURED DURING THE PLACEMENT OF CONCRETE. REBAR CHAIRS ARE RECOMMENDED FOR BOTH REINFORCING BARS AND WIRE WELDED MESH REINFORCEMENT IN ORDER TO MAINTAIN THE REQUIRED CLEAR DISTANCE AS REQUIRED BY ACI-318.

3. UNDER NO CIRCUMSTANCES MAY WATER BE ADDED TO THE CONCRETE MIX DURING PLACEMENT WITHOUT THE WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER OF RECORD.

4. UNDER NO CIRCUSTANCES MAY CALCIUM CHLORIDE BE ADDED TO THE CONCRETE MIX.

5. SPECIAL PRECAUTIONS MUST BE TAKEN PER ACI-318 WHEN PLACING CONCRETE DURING HOT (ABOVE 90 DEGREES FAHRENHEIT) OR COLD (BELOW 45 DEGREES FAHRENHEIT) TEMPERATURES. THE CONTRACTOR SHOULD CONSULT THE STRUCTURAL ENGINEER WHEN PLACING CONCRETE IN THESE CONDITIONS.

6. REINFORCING STEEL SHOULD CONFORM TO ASTM A615, GRADE 60.

7. A MINIMUM LAP OF 1'-4" SHOULD BE ACHIEVED WHEN PLACING WELDED WIRE FABRIC.

8. 28 DAY MINIMUM CONCRETE COMPRESSIVE STRENGTHS MUST BE AS FOLLOWS:

FOOTINGS 3000 PSI SLABS ON GRADE 3000 PSI

9. ICF WALL OPENINGS MUST BE REINFORCED WITH MINIMUM TWO #4 BARS PARALLEL TO EACH SIDE OF OPENING AND MINIMUM TWO #4 BARS DIAGONAL TO EACH CORNER OF THE OPENING.

10. A MINIMUM OF ONE #4 HORIZONTAL BAR MUST BE WITHIN 1'-0" OF THE TOP AND BOTTOM OF THE WALL PLATE.

WOOD:

MINIMUM.

- ALL WOOD FRAMING MEMBERS SHALL BE SPRUCE-PINE-FUR GRADE NO. 2 AS A
- ALL LUMBER SHALL BE CONTINUOUS. TOP PLATE SPLICING MAY BE DONE ONLY OVER VERTICAL STUDS AND SPACED A MINIMUM OF 48" APART. BEAM SPLICING MAY ONLY BE DONE WITH THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
- ALL EXTERIOR WALLS MUST BE SHEATHED WITH A MINIMUM OF 7/16" O.S.B. SHEATHING NAILED WITH 8d NAILS @ 4" O.C. ALONG SHEATHING EDGES AND 6" O.C. ALONG INTERMEDIATE FRAMING MEMBERS. BLOCKING MUST BE PROVIDED ALONG SHEATHING EDGES AND MAY BE TURNED 90 DEGREES IN ORDER TO FACILITATE AN AMPLE NAILING SURFACE FOR BOTH SHEAT EDGES. BUILDINGS WITH COASTAL EXPOSURE (WITHIN 1 MILE OF THE COAST) MUST BE CONNECTED WITH GALVANIZED NAILS.

4. ALL PLYWOOD OR O.S.B. ROOF SHEATHING MUST BE A MINIMUM OF 5/8" AND BE GLUED TO INTERMEDIATE FRAMING MEMBERS.

6. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION OF PRESSURE TREATED WOOD FRAMING MEMBERS.

7. CONNECTORS DIRECTLY IN CONTACT WITH PRESSURE TREATED LUMBER MUST BE COATED WITH AN EQUIVALENT 1.85 OZ./SQ. FT. ZINC COATING. SIMPSON ZMAX(TM) CONNECTORS MUST BE USED IN LIEU OF STANDARD CONNECTORS.

8. NAILS IN CONTACT WITH PRESSURE TREATED LUMBER MUST BE HOT-DIPPED GALVANIZED.

9. FIRST LEVEL SHEARWALLS WITHIN A TWO LEVEL STRUCTURE MUST POSSESS A SINGLE STUD AT THE END OF EACH SHEATHING PIECE FOR FULL ATTACHMENT PER NAILING PATTERN.

10. $\frac{1}{2}$ " PLYWOOD SHEATHING MAY BE USED IN LEIU OF $\frac{1}{10}$ " O.S.B. SHEATHING. MASONRY:

MATERIAL REQUIREMENTS: CONCRETE MASONRY UNITS MUST HAVE A MINIMUM COMPRESSIVE STRENGTH, fm = 1500 PSI. EITHER TYPE S OR N MORTAR SHALL BE USED AS PART OF THE LATERAL FORCE-RESISTING SYSTEM. STRUCTURAL PROPERTIES OF HOLLOW CONCRETE MASONRY UNITS MUST CONFORM TO ASTM C90. IT IS RECOMMENDED THAT OPEN-END UNITS BE USED IN ALL MASONRY CONSTRUCTION. THE USE OF OPEN-END UNITS ALLOWS PLACEMENT OF VERTICAL REINFORCING STEEL WITH A MINIMUM NUMBER OF SPLICES - THUS VERTICAL REINFORCEMENT CAN USUALLY BE CONTINUOUS BETWEEN SUPPORTS. THE VERTICAL ALIGNMENT OF WEBS IN OPEN-END UNITS PROVIDE LARGE OPEN CELLS THAT CAN EASILY BE GROUTED.

1. THE CONNECTION OF INTERSECTING WALLS SHALL CONFORM TO ONE OF THE FOLLOWING REQUIREMENTS:

a) FIFTY PERCENT OF THE MASONRY UNITS AT THE INTERFACE SHALL INTERLOCK. b) WALLS SHALL BE REGULARLY TOOTHED WITH 8 in. MAXIMUM OFFSETS AND ANCHORED BY STEEL CONNECTORS MEETING THE FOLLOWING REQUIREMENTS:

1) MINIMUM SIZE: $\frac{1}{2}$ in. X 1 $\frac{1}{2}$ in. x 28 in. INCLUDING 2 in. LONG 90° BEND AT EACH END TO FORM A "U" OR "Z" SHAPE.

2) MAXIMUM SPACING 4 ft.

c) INTERSECTING BOND BEAMS SHALL BE PROVIDED IN INTERSECTING WALLS AT A MAXIMUM SPACING OF 4 ft. ON CENTERS. BOND BEAMS SHALL BE REINFORCED AND THE AREA OF REINFORCEMENT SHALL NOT BE LESS THAN 0.1 in 2 PER ft. OF WALL. REINFORCEMENT SHALL BE

DEVELOPED ON EACH SIDE OF THE INTERSECTION.

2. LONGITUDINAL AND CROSS WIRES OF JOINT REINFORCEMENT SHALL HAVE A MINIMUM WIRE SIZE OF W1.1 AND A MAXIMUM WIRE SIZE OF ONE-HALF THE JOINT THICKNESS.

3. THE CLEAR DISTANCE BETWEEN PARALLEL BARS SHALL NOT BE LESS THAN THE NOMINAL DIAMETER OF THE BARS, NOR LESS THAN 1 in.

4. IN COLUMNS AND PILASTERS, THE CLEAR DISTANCE BETWEEN VERTICAL BARS SHALL NOT BE LESS THAN ONE AND ONE-HALF TIMES THE NOMINAL BAR DIAMETER, NOR LESS THAN 1 1/2 in.

5. GROUPS OF PARALLEL REINFORCING BARS BUNDLED IN CONTACT TO ACT AS A UNIT SHALL BE LIMITED TO TWO IN ANY ONE BUNDLE. INDIVIDUAL BARS IN A BUNDLE CUT OFF WITHIN THE SPAN OF A MEMBER SHALL TERMINATE AT POINTS AT LEAST 40 BAR DIAMETERS APART.

6. REINFORCEMENT EMBEDDED IN GROUT SHALL HAVE A THICKNESS OF GROUT BETWEEN THE REINFORCEMENT AND MASONRY UNITS NOT LESS THAN 1/4 in. FOR FINE GROUT OR 1/2 in. FOR COARSE GROUT.

7. LONGITUDINAL WIRES OF JOINT REINFORCEMENT SHALL BE FULLY EMBEDDED IN MORTAR OR GROUT WITH A MINIMUM COVER OF 5/8 in. WHEN EXPOSED TO EARTH OR WEATHER AND 1/2 in. WHEN NOT EXPOSED TO EARTH OR WEATHER. JOINT REINFORCEMENT IN MASONRY EXPOSED TO EARTH OR WEATHER SHALL BE CORROSION RESISTANT OR PROTECTED FROM CORROSION BY COATING.

8. STANDARD HOOKS SHALL BE FORMED BY ONE OF THE FOLLOWING METHODS:

a) A 180° TURN PLUS EXTENSION OF AT LEAST 4 BAR DIAMETERS BUT NOT LESS FREE END OF BAR.

b) A 90° TURN PLUS EXTENSION OF AT LEAST 12 BAR DIAMETERS AT FREE END OF BAR. c) FOR STIRRUP AND TIE ANCHORAGE ONLY, EITHER A 90° OR A 135° TURN PLUS AN EXTENSION OF AT LEAST 6 BAR DIAMETERS AT THE FREE END OF THE BAR.

9. THE DIAMETER OF BEND MEASURED ON THE INSIDE OF REINFORCING BARS, OTHER THAN FOR STIRRUPS AND TIES, SHALL NOT BE LESS THAN:

a) FOR BAR SIZES No. 3 THROUGH No. 7, GRADE 40 - 5 BAR DIAMETERS. b) FOR BAR SIZES NO. 3 THROUGH NO. 8, GRADE 50 OR 60 - 6 BAR DIAMETERS. c) FOR BAR SIZES NO. 9, NO. 10, AND NO. 11, GRADE 50 OR 60 - 8 BAR DIAMETERS.

10. MASONRY PARTITION WALLS, MASONRY SCREEN WALLS AND OTHER MASONRY ELEMENTS THAT ARE NOT DESIGNED TO RESIST VERTICAL OR LATERAL LOADS, OTHER THAN THOSE INDUCED BY THEIR OWN MASS, SHALL BE ISOLATED FROM THE STRUCTURE SO THAT VERTICAL AND LATERAL FORCES ARE NOT IMPARTED TO THESE ELEMENTS. ISOLATION JOINTS AND CONNECTORS BETWEEN THESE ELEMENTS AND THE STRUCTURE SHALL BE DESIGNED TO ACCOMMODATE THE DESIGN STORY DRIFT.

11. HORIZONTAL REINFORCEMENT - HORIZONTAL JOINT REINFORCEMENT SHALL CONSIST OF AT LEAST TWO LONGITUDINAL W1.7 WIRES SPACED NOT MORE THAN 16 in. FOR WALLS GREATER THAN 4 in. IN WIDTH AND AT LEAST ONE LONGITUDINAL W1.7 WIRE SPACED NOT MORE THAN 16 in. FOR WALLS NOT EXCEEDING 4 in. IN WIDTH; OR AT LEAST ONE NO. 4 BAR SPACED NOT MORE THAN 48 in. WHERE TWO LONGITUDINAL WIRES OF JOINT REINFORCEMENT ARE USED, THE SPACE BETWEEN THESE WIRES SHALL BE THE WIDEST THAT THE MORTAR JOINT WILL ACCOMMODATE. HORIZONTAL REINFORCEMENT SHALL BE PROVIDED WITHIN 16 in. OF THE TOP AND BOTTOM OF THESE MASONRY WALLS.

12. VERTICAL REINFORCEMENT - VERTICAL REINFORCEMENT SHALL CONSIST OF AT LEAST ONE No. 4 BAR SPACED NOT MORE THAN 48 in. VERTICAL REINFORCEMENT SHALL BE LOCATED WITHIN 8 in. OF THE ENDS OF MASONRY WALLS.

13. MINIMUM REINFORCEMENT REQUIREMENTS FOR MASONRY SHEAR WALLS:

a) VERTICAL REINFORCEMENT OF AT LEAST 0.2 in 2 IN CROSS-SECTIONAL AREA SHALL BE PROVIDED AT CORNERS, WITHIN 16 in. OF EACH SIDE OF OPENINGS, WITHIN 8 in. OF EACH SIDE OF MOVEMENT JOINTS, WITHIN 8 in. OF THE ENDS OF

WALLS, AND AT A MAXIMUM SPACING OF 10 ft. b) HORIZONTAL JOINT REINFORCEMENT SHALL CONSIST OF AT LEAST TWO WIRES OF W1.7 SPACED NOT MORE THAN 16 in.; OR BOND BEAM REINFORCEMENT SHALL BE PROVIDED OF AT LEAST 0.2 in2 IN CROSS-SECTIONAL AREA SPACED NOT MORE THAN 10 ft. HORIZONTAL REINFORCEMENT SHALL ALSO BE PROVIDED AT THE BOTTOM AND TOP OF WALL OPENINGS AND SHALL EXTEND NOT LESS THAN 24 in. NOR LESS THAN 40 BAR DIAMETERS PAST THE OPENING; CONTINUOUSLY STRUCTURALLY CONNECTED ROOF AND FLOOR LEVELS; AND WITHIN 16 in. OF THE TOP OF WALLS.

RAFTERS/TRUSSES AND ATTACHED WITH 8d NAILS AT 6" O.C. ALONG SHEATHING EDGES AND 12" O.C. ALONG

5. IN NO CASE SHALL NAILS BE USED IN TENSION. A MINIMUM OF #8 WOOD SCREWS MUST BE USED INSTEAD.

THAN 2 1/2 in. AT

14. MINIMUM REINFORCEMENT REQUIREMENTS FOR MASONRY WALLS - MASONRY WALLS OTHER THAN THOSE COVERED IN NUMBER 13 ABOVE SHALL BE REINFORCED IN BOTH THE VERTICAL AND HORIZONTAL DIRECTION. THE SUM OF THE CROSS-SECTIONAL AREA OF HORIZONTAL AND VERTICAL REINFORCEMENT SHALL BE AT LEAST 0.002 TIMES THE GROSS CROSS-SECTIONAL AREA OF THE WALL, AND THE MINIMUM CROSS-SECTIONAL AREA IN EACH DIRECTION SHALL BE NOT LESS THAN 0.0007 TIMES THE GROSS CROSS-SECTIONAL AREA OF THE WALL, USING SPECIFIED DIMENSIONS. REINFORCEMENT SHALL BE UNIFORMLY DISTRIBUTED. THE MAXIMUM SPACING OF REINFORCEMENT SHALL BE 48 in. EXCEPT FOR STACK BOND MASONRY. WYTHES OF STACK BOND MASONRY SHALL BE CONSTRUCTED OF FULLY GROUTED HOLLOW OPEN-END UNITS, FULLY GROUTED HOLLOW UNITS LAID WITH FULL HEAD JOINTS OR SOLID UNTIS. MAXIMUM SPACING OF REINFORCEMENT FOR WALLS WITH STACK BOND MASONRY SHALL BE 24 in.

15. SHEAR WALL REINFORCEMENT REQUIREMENTS - THE MAXIMUM SPACING OF VERTICAL AND HORIZONTAL REINFORCEMENT SHALL BE THE SMALLEST OF: ONE-THIRD THE LENGTH OF THE SHEAR WALL, ONE-THIRD THE HEIGHT OF THE SHEAR WALL, OR 48 in. THE MINIMUM CROSS-SECTIONAL AREA OF VERTICAL REINFORCEMENT SHALL BE ONE- THIRD OF THE REQUIRED SHEAR REINFORCEMENT.

16. MINIMUM REINFORCEMENT FOR MASONRY COLUMNS - LATERAL TIES IN MASONRY COLUMNS SHALL BE SPACED NOT MORE THAN 8 in. ON CENTER AND SHALL BE AT LEAST 3/8 in. IN DIAMETER. LATERAL TIES SHALL BE EMBEDDED IN GROUT.

17. LATERAL TIE ANCHORAGE - STANDARD HOOKS FOR LATERAL TIE ANCHORAGE SHALL BE EITHER A 135° STANDARD HOOK OR A 180° STANDARD HOOK.

STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SPECIFICATIONS ARE AS FOLLOWS:
 - ASTM A325 OR AS SPECIFIED PER DRAWINGS ANCHOR BOLTS ASTM A36
- PLATES STEEL PIPE
- ASTM A53, TYPE E OR S, GRADE B, Fy=35 KSI ASTM A500, GRADE B, Fy=46 KSI
- STRUCTURAL TUBING
- OTHER ROLLED SHAPES
- WIDE FLANGE SHAPES ASTM A572, GRADE 50 ASTM A36

WELDS ALL AROUND UNLESS OTHERWISE SPEFICIED ON THE DESIGN DRAWINGS. CERTIFIED WELDER TO REFER TO TABLE J2.4 OF THE AISC MANUAL OF STEEL CONSTRUCTION FOR THE MINIMUM SIZE OF FILLET WELDS FOR A PARTICULAR MATERIAL THICKNESS.

GEOTECHNICAL:

THE CONCRETE FOUNDATION HAS BEEN DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 .S.F. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE VERIFICATION OF THIS ALLOWABLE PRESSURE

2. SOIL PROPERTIES AND THE VERIFICATION, THEREOF, IS THE RESPONSIBILITY OF THE CONTRACTOR.

LOAD TABLE

STRUCTURAL DESIGN BASED ON AND DESIGNED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE

LIVE LOADS:

1. FLOOR LOADS: A. Rooms - 40 p.s.f.

B. Offices - 50 p.s.f.

- C. Decks 60 p.s.f. D. Balconies - 100 p.s.f.
- E. Other loads per IBC 2015
- 2. ROOF LOADS:
- A. Basic roof live load = 15 p.s.f.3. PARTITIONS:
- A. Partition load 12 p.s.f.
- **DEAD LOADS:** 1. USE ACTUAL DEAD LOADS OF MATERIALS

SNOW LOADS: FLAT-ROOF SNOW LOAD - Pf = 10psf SNOW EXPOSURE FACTOR - Ce = 1.0 SNOW LOAD IMPORTANCE FACTOR - Is = 1.0THERMAL FACTOR - Ct = 1.0

IT SHALL BE UNLAWFUL TO PLACE, OR CAUSE OR PERMIT TO BE PLACED, ON ANY FLOOR OR ROOF OF A BUILDING, STRUCTURE, OR PORTION THEREOF, A LOAD GREATER THAN IS PERMITTED BY THESE REQUIREMENTS. (PER IBC CHAPTER 16/ASCE 7-10)

WIND LOADS: BUILDING CLASSIFICATION: OPEN DESIGN WIND SPEED (mph)=141 ULTIMATE / 116 NOMINAL WIND IMPORTANCE FACTOR - IW = 1.0BUILDING RISK CATEGORY = II

WIND EXPOSURE = D INTERNAL PRESSURE COEFICIENT = +/-0.18REQUIRED WINDOW/DOOR DESIGN PRESSURE RATING = 55 PSF

SEISMIC LOADS:

SEISMIC USE GROUP - I SPECTRAL RESPONSE COEFFICIENTS -Sds = 0.53 Sd1 = 0.29 SITE CLASS - D

BASIC SEISMIC-FORCE RESISTING SYSTEM BEARING WALL SYSTEM DESIGN BASE SHEAR - LESS THAN 5 KIPS ANALYSIS PROCEDURE - EQUIVALENT FORCE

METHOD

ELECT	RICAL ABBREVIATIONS
ABBR	DESCRIPTION
(E)	EXISTING
AFG	ABOVE FINISHED GRADE
BFG	BELOW FINISHED GRADE
BOD	BOTTOM OF DEVICE
J-BOX	JUNCTION BOX
KW	KILOWATTS
LCS	LIGHTING CONTROL SYSTEM
NEC	NATIONAL ELECTRICAL CODE
OC	ON CENTER
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
W/	WITH
WP	WEATHERPROOF

SYMBOL	DESCRIPTIC
	EXISTING TO REMAIN
	NEW CONSTRUCTION
	DEMOLISH

- MOUNTED AT 12" ABOVE GRADE. ROUTE (2) 1" SCHED 40 PVC CONDUIT FROM SURFACE BOX BELOW GRADE AND STUB UP THROUGH NEW GATE PEDESTAL TO JUNCTION BOX. TRANSITION TO 1" RMC ABOVE GATE PEDESTAL AND ROUTE UP BEHIND STEEL SIGN SUPPORT. PAINT EMT
- STUB UP THROUGH NEW GATE PEDESTAL TO JUNCTION BOX FOR THE SIGN LIGHTING AND
- POSSIBLE. CONNECT IMC FROM BELOW TO JUNCTION BOX. MAKE FINAL CONNECTION TO LOW

- 8 PROVIDE 4X4 SPARE JUNCTION BOX WITH VOLTAGE DIVIDER AND GASKETED COVER PLATE

- THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED PRACTICE FOR POLE BRANCH CIRCUITS (UP TO 3 HOTS, 3 NEUTRALS AND 1 GROUND) RATED FOR 30A OR LESS
- HAD LIMITED ACCESS DURING DESIGN. AS SUCH, CONTRACTOR SHALL VERIFY ALL UTILITIES IN POSSIBLE. NO ELECTRICAL REWORK SHALL BE COMMENCED WITHOUT COORDINATION OF BOTH ARCHITECT AND ENGINEER. WHERE INFORMATION SHOWN ON THESE DRAWINGS CONFLICTS
- 9. PROVIDE TRANSITION FROM PVC TO INTERMEDIATE METAL CONDUIT (IMC) FROM BELOW GRADE

Flood Map Information: Flood X	Zone: Con Par	mmunity Number: <u>4:</u> nel Number: 0517 H	50104
(A Floodplain Permit is requi	ired for A and NG	VD or FIRM	
Base Flood Elevation <u>N/A</u> Design Flood Elevation <u>N/A</u>	MSL MSL	C 1612.3 and ASCE 2	
NON HIGH-VELOCITY WAVE ACTION Elevation of Lowest Proposed Floor 41.50 Dry floodproofing Yes	MSL Me	et ASCE 24 Section 2 ASCE 24	2.6.2.1/ 2.6.2.2
HIGH-VELOCITY WAVE ACTION Elevation of bottom of Lowest Horizontal Structural Me Flotation resistant Yes N	mber of lowest floor	ASCE 24	MSL
Breakaway wall Yes N IBC 1612 and SE-510, as applicable N	o per	ASCE 24	
"I hereby certify that, to the best of my knowledge, thes	e plans comply with	applicable zoning o	rdinances, and that plans
have been submitted to appropriate authority for their re-	view and/or approva	1."	4/2017
Architect/Engineer			Date
If the project does not require a National Pollution Discharg	ge Elimination Syste	em (NPDES) permit f	rom SCDHEC, include
EROSION AND SEDIMENT REDUCTION	/STORMWATI	ER MANAGEM	ENT
Designer's Certification: "I hereby certify that the measures in this plan are desi	aned to control eros	tion retain sediment	on the site and manage
stormwater in a manner that neither any on-site nor off- measures are designed to the minimum standards for l	site damage or prob health and safety, a	alem is caused or included and that all the provi	reased, that all structural isions of the plan are in
Reduction and Stormwater Management Regulations)."	72, Article 2, SC		Lerosion and Sediment
Signed: Engineer or Registered Landscape Arch	itect (Circle one)		Date
TABLE 5-2 SOILS & SITE			
SOILS INVESTIGATION (If required)	Yes 🛛	No 🗌 pe	r IBC 1803.2
SOILS CLASSIFICATION Site Class	F	per	IBC 1613.3.2
Classes Soil of Materials (UCS System) Allowable Footing Bearing Pressure	<u>See Ge</u> 2,000 #	otec per 1 psf #1 L	IBC 1803.5.1 JGHT LOADED GRADE
MINIMUM DESIGN SOIL BEARING LOAD	N/A	psf per	IBC table 1806.2
COMPACTION Subary day 05			
Base: 100 Percent		y for paving & roads) M D698 XASTM	D1557 AASHTO
Other: <u>95</u> Percent		y for paving & roads) $\Gamma M D698 igtrianglet ASTM$ y for paying & roads)) 1 D1557 🗍 AASHTO
MINIMUM DESIGN SOIL LATERAL LOAD	32	psf per	, IBC 1610.1
FOOTINGS	_	_	
FOOTINGS Undisturbed footings Compacted Fill Material	Yes ⊠ Yes ⊠	No 🗌 No 🗌 pe	r IBC 1804.6
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table:	Yes ⊠ Yes ⊠	No 🗌 No 🗌 pe	r IBC 1804.6
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement:	Yes \boxtimes Yes \boxtimes <u>36.5</u> <u>26.5</u> 41.5	No pe M:	r IBC 1804.6 SL SL
FOOTINGSUndisturbed footingsCompacted Fill MaterialELEVATIONSElevation of Water Table:Elevation of lowest footing:Elevation of lowest floor or basement:	Yes \bowtie Yes \bowtie 36.5 26.5 41.5	No pe M:	r IBC 1804.6 SL SL SL
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5.3 through 5.14. See IBC 503.1.2	Yes ⊠ Yes ⊠ <u>36.5</u> <u>26.5</u> <u>41.5</u> gs, each building is t	No Pe No Pe Mi No Mi No Mi No	r IBC 1804.6 SL SL SL SL
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF	Yes ⊠ Yes ⊠ <u>36.5</u> <u>26.5</u> <u>41.5</u> gs, each building is t	No No pe	r IBC 1804.6 SL SL SL dual code criteria tables
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION	Yes \boxtimes Yes \boxtimes <u>36.5</u> <u>26.5</u> <u>41.5</u> gs, each building is t	No No pe	r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2)	Yes \boxtimes Yes \boxtimes <u>36.5</u> <u>26.5</u> <u>41.5</u> gs, each building is t FORMATION Type: <u>II-B</u> <u>A5, A2</u>	No	r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION	Yes \boxtimes Yes \boxtimes 36.5 26.5 41.5 gs, each building is the set of the set	No pe No pe	r IBC 1804.6 SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Devalutility Devalutility	Yes \boxtimes Yes \boxtimes <u>36.5</u> <u>26.5</u> <u>41.5</u> gs, each building is t FORMATION Type: <u>II-B</u> <u>A5, A2</u> <u>A-5 PRIMARY</u> A-2 CLUB	No pe	r IBC 1804.6 SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)?	Yes \square Yes \square Yes \square 36.5 26.5 41.5 CORMATION Type:_II-B A5, A2 A-5 PRIMARY A-2 CLUB Yes \square No \square Yes \square No \square	No □ pe No □ pe	r IBC 1804.6 SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2) 45,402 SF
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy?	Yes 36.5 26.5 41.5 gs, each building is t Type: II-B A5, A2 A5, A2 Yes	No per No per M3 M3 M3 M3 o be provided individ M3 o be provided individ M3 (IBC 509.1) (IBC 508.2) (IBC 508.2) IST LEVEL	r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy?	Yes \boxtimes Yes \boxtimes 36.5 26.5 41.5 gs, each building is the set of the set	No pe No pe M3 M3 M3 M3 o be provided individ M3 o be provided individ M3 (IBC 509.1) (IBC 508.2) (IBC 508.2) 1ST LEVEL (IBC 508.2) 3RD LEVEL	r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) (IBC 302) s 504.3, 504.4 & 506.2)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy	Yes 36.5 26.5 41.5 gs, each building is the second sec	No	r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated	Yes 36.5 26.5 41.5 CORMATION Type: II-B A5, A2 Yes	No pe No pe M3 M3 M3 M3 o be provided individ M3 o be provided individ M3 (IBC 509.1) (IBC 508.2) (IBC 508.2) IST LEVEL (IBC 508.2) 3RD LEVEL (IBC 508.3) (IBC 508.3) (IBC 506.2.2) (IBC 506.2.2)	r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2)
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FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER EIDE PROTECTION SUGGED AC ACCESSION SUGG	Yes 36.5 26.5 41.5 gs, each building is the set of the set	No	r IBC 1804.6 SL SL SL Idual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loce	Yes 36.5 26.5 41.5 gs, each building is t Type: II-B A5, A2 Yes Yes <td>No pe No pe M3 M3 M3 M3 o be provided individ M3 o be provided individ M3 (IBC 509.1) (IBC 508.2) (IBC 508.2) IST LEVEL (IBC 508.2) 3RD LEVEL (IBC 508.2) 3RD LEVEL (IBC 508.3) (IBC 508.3) (IBC 506.2.4) (IBC 508.4) (IFC 503 & 507) Contents (e g fired)</td> <td>r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2) $\frac{45,402}{7.4}$ SF 7.4 % 32,549 SF 6.3 % 32,549 SF 6.3 % 32,549 SF 6.3 %</td>	No pe No pe M3 M3 M3 M3 o be provided individ M3 o be provided individ M3 (IBC 509.1) (IBC 508.2) (IBC 508.2) IST LEVEL (IBC 508.2) 3RD LEVEL (IBC 508.2) 3RD LEVEL (IBC 508.3) (IBC 508.3) (IBC 506.2.4) (IBC 508.4) (IFC 503 & 507) Contents (e g fired)	r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2) $\frac{45,402}{7.4}$ SF 7.4 % 32,549 SF 6.3 % 32,549 SF 6.3 % 32,549 SF 6.3 %
FOOTINGS Undisturbed footings Compacted Fill Material Elevation of Water Table: Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loca evacuation/control/compartments. Note IBC 414.1.3.)	Yes 36.5 26.5 41.5 gs, each building is t Type: II-B A5, A2 A5, A2 Yes Yes <td>No </td> <td>r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2)</td>	No	r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2)
FOOTINGS Undisturbed footings Compacted Fill Material Elevation of Water Table: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loce evacuation/control/compartments. Note IBC 414.1.3.)	Yes 36.5 26.5 41.5 gs, each building is the second state of the second sta	No	r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2)
FOOTINGS Undisturbed footings Compacted Fill Material Elevation of Water Table: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loce evacuation/control/compartments. Note IBC 414.1.3.)	Yes 36.5 26.5 41.5 FORMATION Type: A5, A2 A5, A2 Yes Yes <td>No </td> <td>r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2) (IBC 302) s 504.3, 504.4 & 506.2) 0 HOUR SEPARATION BETWEEN A5 & A2 0 HOUR SEPARATION BETWEEN A5 & A2</td>	No	r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2) (IBC 302) s 504.3, 504.4 & 506.2) 0 HOUR SEPARATION BETWEEN A5 & A2 0 HOUR SEPARATION BETWEEN A5 & A2
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building nequire Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loca evacuation/control/compartments. Note IBC 414.1.3.) TABLE 5-4 BUILDING AREA AREA LIMIT BY TABLE 506.2 OF IBC	Yes 36.5 26.5 41.5 as, each building is the second sec	No	r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) (IBC 302) s 504.3, 504.4 & 506.2) (IBC 302) s 504.3, 504.4 & 506.2) 0 HOUR SEPARATION BETWEEN A5 & A2 0 HOUR SEPARATION BETWEEN A5 & A2 0 HOUR SEPARATION BETWEEN A5 & A2 1 House SF per story)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loca evacuation/control/compartments. Note IBC 414.1.3.) TABLE 5-4 BUILDING AREA AREA LIMIT BY TABLE 506.2 OF IBC AREA INCREASES BY SECTION 506.2 AND 506.3 (A)	Yes 36.5 26.5 41.5 FORMATION Type: A5, A2 A5, A2 Yes Yes <td>No </td> <td>r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) (IBC 302)</td>	No	r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) (IBC 302)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate buildings 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loca evacuation/control/compartments. Note IBC 414.1.3.) TABLE 5-4 BUILDING AREA AREA INCREASES BY SECTION 506.2 AND 506.3 (EXPLANATION OF INCREASES: Sprinkler incr	Yes 36.5 26.5 41.5 Generation of the set of the	No	r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) a 504.3, 504.4 & 506.2) (IBC 302) a 504.3, 504.4 & 506.2) a 45,402 SF 7.4 % 32,549 SF 6.3 % 32,549 SF 6.3 % 0 HOUR SEPARATION BETWEEN A5 & A2 0 HOUR SEPARATION BETWEEN A5 & A2 5 should list them here, e extinguishers, smoke-
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loca evacuation/control/compartments. Note IBC 414.1.3.) TABLE 5-4 BUILDING AREA AREA LIMIT BY TABLE 506.2 OF IBC AREA INCREASES BY SECTION 506.2 AND 506.3 (EXPLANATION OF INCREASES: Sprinkler increA-2 AREA AS ALLOWED IN IBC PER STORY	Yes 36.5 26.5 41.5 Generation of the set of the	No	r IBC 1804.6 SL SL SL dual code criteria tables (IBC 602) (IBC 302) (IBC 302) s 504.3, 504.4 & 506.2) (IBC 302) s 504.3, 504.4 & 506.2) 0 HOUR SEPARATION BETWEEN A5 & A2 0 HOUR SEPARATION BETWEEN A5 & A2 1 111 1 1111 1 1111 1 111 1 111 1 111 1 1111 1 1111 1 1
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building nequire Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loce evacuation/control/compartments. Note IBC 414.1.3.) TABLE 5-4 BUILDING AREA AREA INCREASES BY SECTION 506.2 AND 506.3 G EXPLANATION OF INCREASES: Sprinkler incr AREA AS ALLOWED IN IBC PER STORY Story/Level: 1 Story/Level: 2	Yes 36.5 26.5 41.5 gs, each building is the second sec	No	r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) (IBC 302) s 504.3, 504.4 & 506.2) (IBC 302) s 504.3, 504.4 & 506.2) (IBC 302) s 504.3, 504.4 & 506.2) (IBC 302) (IBC 302)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building. 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loce evacuation/control/compartments. Note IBC 414.1.3.) TABLE 5-4 BUILDING AREA AREA LIMIT BY TABLE 506.2 OF IBC AREA INCREASES BY SECTION 506.2 AND 506.3 (EXPLANATION OF INCREASES: Sprinkler incr A-2 AREA AS ALLOWED IN IBC PER STORY Story/Level: _3 Story/Level: _3	Yes 36.5 26.5 41.5 gs, each building is t Type: I-B A5, A2 A5, A2 Yes	No	r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) (IBC 302)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest foor or basement: NOTE: Where a fire wall is necessary to separate buildin, 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loce evacuation/control/compartments. Note IBC 414.1.3.) TABLE 5-4 BUILDING AREA AREA LIMIT BY TABLE 506.2 OF IBC AREA AS ALLOWED IN IBC PER STORY Story/Level: _1 Story/Level: _1 Story/Level: _1 Story/Level: _1 Story/Level: _1 Story/Level: _1 <td>Yes 36.5 26.5 41.5 Generation of the set of the</td> <td>No </td> <td>r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) (IBC 302)</td>	Yes 36.5 26.5 41.5 Generation of the set of the	No	r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) (IBC 302)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loce evacuation/control/compartments. Note IBC 414.1.3.) TABLE 5-4 BUILDING AREA AREA LIMIT BY TABLE 506.2 OF IBC AREA INCREASES BY SECTION 506.2 AND 506.3 of EXPLANATION OF INCREASES: Sprinkler incr AC2 AREA AS ALLOWED IN IBC PER STORY Story/Level: _1 Story/Level: _1	Yes 36.5 26.5 41.5 FORMATION Type: 1-B A5, A2 A5, A2 Yes Yes <td>No per No per M3 M3 M3 M3 M3 M3 M4 M3 M3 M3 M4 M3 M3 M3 M4 M3 M3 M3 M4 M4 (IBC 509.1) (IBC 508.2) (IBC 508.2) 3RD LEVEL (IBC 508.3) (IBC 508.4) (IBC 503 & 507) (IBC 508.4) (IBC 503 & 507) (IBC 508.4) (IEC 503 & 507) (IEC 508.5) M4 M4 28,500 (IEC 508) UL 28,500 UL</td> <td>r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2) (IBC 302) s 504.3, 504.4 & 506.2)</td>	No per No per M3 M3 M3 M3 M3 M3 M4 M3 M3 M3 M4 M3 M3 M3 M4 M3 M3 M3 M4 M4 (IBC 509.1) (IBC 508.2) (IBC 508.2) 3RD LEVEL (IBC 508.3) (IBC 508.4) (IBC 503 & 507) (IBC 508.4) (IBC 503 & 507) (IBC 508.4) (IEC 503 & 507) (IEC 508.5) M4 M4 28,500 (IEC 508) UL 28,500 UL	r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) s 504.3, 504.4 & 506.2) (IBC 302) s 504.3, 504.4 & 506.2)
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of Water Table: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROTECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loce evacuation/control/compartments. Note IBC 414.1.3.) TABLE 5-4 BUILDING AREA AREA INCREASES BY SECTION 506.2 AND 506.3 G EXPLANATION OF INCREASES: Sprinkler incr AREA AS ALLOWED IN IBC PER STORY Story/Level: _1 Story/Level: _2 Story/Level: _3 Story/Level: _1	Yes 36.5 26.5 41.5 gs, each building is to Type: I-5 A5, A2 A5, A2 Yes Yes <td>No pe No pe M3 M3 (IBC 508,2) 1ST LEVEL (IBC 508,2) 3RD LEVEL (IBC 506,2.2) (IBC 508,3) (IBC 503 & 507) (IBC 508,4) (IFC 503 & 507) (M3 M3 (M3 (UL 28,500 UL 28,500 UL 45,402</td> <td>r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) a 504.3, 504.4 & 506.2) (IBC 302) (IBC 302) (</td>	No pe No pe M3 M3 (IBC 508,2) 1ST LEVEL (IBC 508,2) 3RD LEVEL (IBC 506,2.2) (IBC 508,3) (IBC 503 & 507) (IBC 508,4) (IFC 503 & 507) (M3 M3 (M3 (UL 28,500 UL 28,500 UL 45,402	r IBC 1804.6 SL SL SL SL dual code criteria tables (IBC 602) (IBC 302) a 504.3, 504.4 & 506.2) (IBC 302) (IBC 302) (
FOOTINGS Undisturbed footings Compacted Fill Material ELEVATIONS Elevation of lowest footing: Elevation of lowest floor or basement: NOTE: Where a fire wall is necessary to separate building. 5-3 through 5-14. See IBC 503.1.2. TABLE 5-3 BASIC BUILDING CODE INF CONSTRUCTION CLASSIFICATION OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2) MOST RESTRICTIVE OCCUPANCY CLASSIFICATION Does building require Incidental Use Area Separation? Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy? Mixed Occupancy Non separated Separated Fire Apparatus Access and Water Line OTHER FIRE PROFECTION SYSTEMS, DEVICES If the building has any special or notable fire protection describe the performance characteristics and refer to loca evacuation/control/compartments. Note IBC 414.1.3.) TABLE 5-4 BUILDING AREA AREA INCREASES BY SECTION 506.2 AND 506.3 G EXPLANATION OF INCREASES: Sprinkler inter A-2 AREA INCREASES BY SECTION 506.2 AND 506.3 G EXPLANATION OF INCREASES: Sprinkler inter A-2 AREA AS ALLOWED IN IBC PER STORY Story/Level: _	Yes 36.5 26.5 41.5 gs, each building is to Type: II-B A5, A2 Yes	No pe No pe M3 M3 (IBC 508.2) 1ST LEVEL (IBC 508.2) 3RD LEVEL (IBC 508.3) (IBC 508.4) (IEC 503 & 507) M3 M3 M3 M4 M3 M4 M3 M4 M3 M4 M3 M4 M4 M4 M4	r IBC 1804.6 SL SL SL SL SL (IBC 602) (IBC 302) (IBC 302

BUILDING HEIGHT

	AS DESIGNED		AS ALLOWED BY IBC			
	In Feet	In Stories	In Feet	In Stories		
LE 504.3	<u>74-8"</u>	N/A	<u>65</u>	N/A		
LE 504.4	N/A	<u>3</u>	N/A	UL		
ht, including any Increase	<u>74'-8"</u>	<u>3</u>	<u>85</u>	<u>UL</u>		

BUILDING DESIGN OCCUPANT LOAD

FUNCTION OF SPACE (1)	A FLOOR AREA ⁽²⁾ (NSF or GSF)	B MAX AREA ALLOWED PER OCCUPANT ⁽³⁾ (NSF or GSF)	C OCCUPANTS ON FLOOR FOR THIS FUNCTION ⁽⁴⁾	D DESIGN OCCUPANT LOAD ⁽⁵⁾
lower West Stands			4,407	
ower North Stands			1,712	
lower East Stands			<u>4,519</u>	
Semporary Stands			400	
ubtotal Design Occupant Load	for This Story			<u>11,038</u>
Club Seating			235	
ubtotal Design Occupant Load	for This Story			<u>235</u>
Vest Upper Deck			<u>5,019</u>	
Cast Upper Deck			<u>3,617</u>	
uites			<u>112</u>	
ubtotal Design Occupant Load	for This Story			<u>8,748</u>
ubtotal Design Occupant Load	for This Story	1	L	
ULDING DESIGN OCCUPAN	Г LOAD			20,021 (6)
ES:				1

he complete name of the Function of Space using the left column of Table 1004.1.2 of the IBC ⁽¹⁾ rea per each occupant of this Function on this Story in either Gross (GSF) or Net (NSF) Square Footage⁽²⁾ Floor Areas in SF per Occupant per right column in Table 1004.1.2 of the IBC ⁽³⁾ Column A (2) by Column B (3) for each function and enter result, rounded up to the nearest whole person ⁽⁴⁾ all Column C values for this floor to yield the Design Occupant Load⁽⁵⁾ ilding Design Occupant Load –sum of all Column D value ⁽⁶⁾

-7 GENERAL FIRE PROTECTION REQUIREMENTS					
IONS					
g Required	Yes 🗌 No 🖾	per IBC Section 718			
g Required	Yes 🗌 No 🔀	per IBC Section 718			
rol System Required	Yes 🗌 No 🖾	per IBC Section 909			
iers Required	Yes 🗌 No 🖾	per IBC Section 407 and 408			
tions Required	Yes 🗌 No 🖂	per IBC Section 407			
n Required	Yes 🗌 No 🖾	per IBC Section 708			
Required	Yes 🗌 No 🖂	per IBC Section 707			
DETECTION					
System Required	Yes 🛛 No 🗌	per IFC Section 907			
Alarm System Required	Yes 🗌 No 🖾	per IFC 908			
ION					
Required	Yes 🛛 No 🗌	per IFC Section 905			
equired	Yes 🛛 No 🗌	per IFC Section 903			
rovided	Yes 🛛 No 🗌				
inguishers required	Yes 🛛 No 🗌	per IFC 906			
ession systems required	Yes 🗌 No 🔀	per IFC 904			
at vents required	Yes 🗌 No 🖾	per IFC 910			

5-8 FIRE RESISTANCE RATING OF BUILDING ELEMENTS						
RATING AS REQUIRED (in hours)	RATING AS DESIGNED (in hours)	TESTING AGENCY & DESIGN NO. (UL, FM, etc)	DESIGNERS WALL/PARTITION KEY CODE			
<u>0</u>	<u>0</u>					
<u>0</u> <u>0</u>	<u>0</u> <u>0</u>					
<u>0</u> <u>0</u>	<u>0</u> <u>0</u>					
<u>0</u>	<u>0</u>					
<u>0</u>	<u>0</u>					
<u>0</u>	<u>0</u>					
<u>0</u>	<u>0</u>					
<u>1</u>	<u>1</u>	<u>UL</u>	<u>905</u>			
<u>0</u>	<u>0</u>					
<u>60</u>	<u>60</u>					
	CE RATING (RATING AS REQUIRED (in hours) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 60	CE RATING OF BUILDING RATING AS REQUIRED (in hours) RATING AS DESIGNED (in hours) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 60 60 60 60	CE RATING OF BUILDING ELEMENTS RATING AS REQUIRED (in hours) RATING AS DESIGNED (in hours) TESTING AGENCY & DESIGN NO. (UL, FM, etc) 0 0			

TABLE 5-9 STRUCTURAL DESIGN INFORMATIO
RISK CATEGORY: III
LIVE LOADS
Floor Live Load(s) - List the F_{II} for each occupancy/use.
Occupancy/Use: Assembly
Occupancy/Use: <u>Stadium</u>
Occupancy/Use:
Occupancy/Use:
Roof Live Load $R_{II} = 20$ PSF
Ground Snow Load $p_g = 10$ PSF
WIND LOADS
Analysis Procedure: ASCE 7-10
Ultimate Design Wind Speed: $V_{ULT} = 153$ MPH
Exposure Category: C
Internal Pressure Coefficient: GC _{pi} = <u>varies</u>
External Pressure Coefficient: GC _p = <u>varies</u>
Protection of Openings Required Yes 🛛 No 🗌
If "Yes", check one: Impact Resistant Glazing
Impact Resistant Covering
SEISMIC LOADS
Seismic Importance Factor: $I_e = 1.25$
Site Class: F
Mapped Spectral Response Accelerations:
Design Spectral Response Acceleration Parameters:
Seismic Design Category: D
Basic Seismic Force Resisting System: <u>SSMF, SRMSW</u>
Design Base Shear: varies KIPS
Seismic Response Coefficient(s): $C_s = \underline{varies}$
Response Modification Factor(s): $R = 8,5$
Analysis Procedure: _ELF
ARCHITECTURAL-MECHANICAL-ETC. LOADS
Provide as applicable: architectural items, mechanical, plumbing, etc.
SPECIAL LOADS
Provide as applicable: abnormal items, moving loads, impact, hoistin

*per IBC Chapter 16 and ASCE 7 -- Information may be shown on initial Structural Sheet of the drawings or on Sheet with other code information. List floor design loads on structural plans.

TABLE 5-10PLUMBING INFORMATION WATER SYSTEM: Service Line Size: 4 Peak Flow: 245 Total Demand: 1289 **SANITARY SEWER SYSTEM:** Loading: <u>5,254 Ph2 seats x 4 gr</u> Service Line Size: 8 Slope: <u>1/8</u> MINIMUM PLUMBING FIXTURES REQUIRED/PROVIDED Occupancy Classification(s) (as shown in Table 5-3): Assembly A-5 Total Building Design Occupant Load (as shown in Table 5-6): 20,02 Total Load for this Occupancy 1. Occupancy: <u>A-5</u> Male-REQUIRED Male-PROVIDED Water Closets Lavatories Urinals* 64 OTHER FIXTURES (Per IPC Section 403 & Table 403.1) Drinking Fountains Unisex Toilet Service Sink Other (list)

TABLE 5-11 MECHANICAL INFORMA	TION			
AIR COMFORT SYSTEMS				
Overall Thermal Transfer Value (OTTV):	379.4	BTU/(HR x °F x SF)		
Building Cooling Load:	97.2	SF / Ton		
Building Heating Load:	63.4	BTU/(HR x SF)		
OTHER LOADING FEATURES				
Glass: U Factor: <u>0.27</u>	Wind	Window to wall ratio: _0.37		
Insulation Values: Roof: <u>R-38</u>	Exterior Walls: R-13			
Outside Air minimum while occupied: <u>4630</u>	CFM	_516Occupants		
MECHANCIAL SYSTEMS. SERVICE SYSTEMS	& EOUIPMENT			
kitchen hood & exhaust, and make-up air unit provided <u>Clubhouse and catering area. Conditioning and require</u> provided for Ticket Booth, IT Room, and First Aid. (The above data shall be considered a minimum and any TABLE 5-12 ELECTRICAL INFORMAT SERVICE TRANSFORMER :	1 for kitchens with cooking d ventilation provided for r g	capacity. Conditioning provided for new enovated North buildings. Conditioning o meet the mechanical codes.)		
<u>BERVICE TRANSFORMER</u> . S by builty ((if by Ag	Agency) <u>750</u> KVA Primary		
		480/3 Voltage/Phase		
ELECTRICAL SERVICE INFORMATION				
Service Voltage/Phase:	480/3	Amperes		
Service Entrance Conductors Size:	600 KCMIL/6	Quantity per Phase		
Total Connected Load:	1,260	KVA		
Estimated Maximum Demand:	882	KVA		
Available Fault Current in Symmetrical Amperes:	15,690			
Interrupting Capacity of Service Overcurrent Device:	65,000 AIC			
Grounding Electrode System Components:	#1/0	(NEC 250)		
EMERGENCY SERVICE INFORMATION				

Service Voltage/Phase:	480/3	_ Amperes	
Service Entrance Conductors Size:	600 KCMIL/6	_ Quantity per Phase	
Total Connected Load:	1,260	KVA	
Estimated Maximum Demand:	882	KVA	
Available Fault Current in Symmetrical Amperes:	15,690	_	
Interrupting Capacity of Service Overcurrent Device:	65,000 AIC	_	
Grounding Electrode System Components:	#1/0	(NEC 250)	
EMERGENCY SERVICE INFORMATION			
Emergency Generator: Yes No <u>300</u> Exit/Emergency Lights Backup Power Fire Alarm System: Manual Automatic	KVA 480/3 Voltage/Ph. ☑ Integral Battery ☑ ☑ Addressable ☑	ase <u>DIESEL</u> Fue Generator Class A Class B	
LIGHTNING PROTECTION PROVIDED	🗌 Yes 🛛 No		
COMMUNICATIONS COORDINATED	Yes Not	Required	
Contact DSIT Network/Infrastructure Planning for applic	ability at (803) 896-0001		

Inches	
GPM	
No. Fixture Units	
pd/seat = 21,016 GPD	
Inches	
min in	ches/ft
Per IPC Section 403 & Tal	ble 403.1)
20,021 Male: <u>10,010</u> Female: <u>10,011</u>	
Female-REQUIRED	Female-PROVIDED
<u>180</u>	<u>201</u>
<u>67</u>	<u>73</u>
REQUIRED	PROVIDED
<u>21</u>	<u>22</u>
2	3
1	1

TABLE 5-13 DESIGN-RELATED CONSTRUCTION PERMITS/APPROVALS The following list is not all-inclusive of every, permit and standards applicable to each project. Agencies and A/Es must delete non-applicable listings and add others for each specific project. WHERE TO OBTAIN TYPE OF DEVELOPMENT SC LAW OR REG. STATUS PERMIT/APPROVAL Air pollutant discharge 48-1-100; R61-62.1 SCDHEC - Air Quality Control R61-91 SCDHEC - Health Facilities Construction Ambulatory surgical facilities SCDHEC - Air Quality Control Asbestos abatement R61-86.1 Building construction, Zoning 6-7-10; 6-9-110 Local Authority Community residential care facilities R61-84 SCDHEC - Health Facilities Construction Construction in critical coastal areas 48-39-10, 130, 190 SCDHEC - OCRM Construction in navigable waters 49-1-16 SCDHEC - Water Pollution Control 49-11-200; SCDHEC - Water Pollution Control Dams and reservoirs R72-1, 2, 3 R61-86.1 SCDHEC - Air Quality Control Demolition of Real Property Design Review Board (BARs, SC Various local Various local Dept Archives & History, etc.) SC Dept. of Education – Office of Educational facilities (K - 12) 59-23-210 District Facilities Mgmt. 41-16-90 SC Department of LLR Elevators Fire Department (Local) Servicing Fire Department Various local State Fire Marshal Fire Protection Sprinkler 40-10 Fire suppression systems State Fire Marshal R71-8303 Floodplains, construction in OSE Manual Chpt 5 Office of State Engineer SCDHEC – Local County Health Dept. Food service establishments R61-25 R12-125 Archives and History, Local Authority Historical building rehabilitation SCDHEC - Health Facilities Construction R61-16 Hospitals & infirmaries 57-7-60 Local City or County Authority Road encroachment, local 57-5-1080 Local SCDOT Maintenance Office Road encroachment, state Sanitary sewer; treatment & disposal R61-56, 57 SCDHEC – Domestic Wastewater R61-9; SCDHEC – Water Pollution Control; Storm water discharge, erosion and sediment control R72-100-108 State Engineer; Local Authority R61-50 SCDHEC – Water Supply Construction Swimming areas, natural public R61-51 SCDHEC – Water Supply Construction Swimming pools, public R61-92 SCDHEC – Groundwater Protection Underground storage tanks Waste discharge (sewage, industrial 48-1-100, 110; SCDHEC – Water Pollution Control R61-9 waste, etc.) 44-55-40; SCDHEC – Water Supply Construction Water supply R61-57, 58 R61-71, 87 SCDHEC – Groundwater Protection Wells, Underground injection

For completion of this Table in the Bid Documents Stage it must indicate the status of each permit by insertion of "approved" and date in the status column. If not approved, indicate pending approval, phased approval and who (A/E, Agency, Contractor or Other) is to provide that documentation and anticipated date.

TABLE 5-14 STATEMENT OF SPECIAL INSPECTIONS SEE PROJECT MANUAL The Designer(s) of Record shall determine the material and/or work on the project requiring Special Inspections. The Special Inspection requirements shall be based on Section 1705 of the 2015 International Building Code. Any deviations from the requirements of Section 1705 must be approved by OSE

2010 ADA SEATING SUMMARY	,
Project Name:	BROOKS STADIUM ADDITION - PH 2
Project Number:	HII-1512801
Date:	2/15/17

Occupant Load	
Occupancy Classification:	ASSEMBLY A-5
Total Seating Load:	20,021

ADA COUNT				
1 per	1 per 140		1 per 200	
<	5000	> 5000		
Occupants:	5000	Occupants:	15,021	
Subtotal:	36	Subtotal:	76	
Total Required:			112	
Total Provided:			126	
POSITIONS	OCCUPANTS	%	ADA	%
NORTH ENDZONE	1688	8	24	19
EAST LOWER	4507	23	12	10

EAST LOWER	4507	23	12	10
EAST UPPER	3589	18	28	22
WEST LOWER	4384	22	23	18
WEST UPPER	4985	25	34	27
CLUB SEATING	230	1	5	4
SOUTH	400	2	NA	NA
SUITES	112	1	NA	NA

TOTAL W/ADA: 20,021 126

FOR INFORMATION ONLY

