

DESIGN STATEMENT & CODE SUMMARY

DESIGN STATEMENT: THIS IS A LEVEL 3 NEW CABANA CONSTRUCTION WHICH HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2014 FIFTH EDITION FLORIDA BUILDING CODE

TYPE OF CONSTRUCTION: - SZB

SMALL ASSEMBLY - A3

ALL FINISHES CLASS 'A' PER CONTRACT

PROJECT SUMMARY & SCOPE

THE PRIMARY USE FOR THE CABANA BUILDINGS IN THIS CONSTRUCTION DOCUMENTS PACKAGE IS FOR THE EXPRESS USE OF THE GUESTS IN THE WATER PARK.

APPLICABLE CODES

FLORIDA BUILDING CODE 2014 FIFTH EDITION
 NATIONAL ELECTRICAL CODE 2014 EDITION
 FLORIDA FIRE PREVENTION CODE 2014 FIFTH EDITION
 BASED ON 2012 NFPA 1401
 FLORIDA PLUMBING CODE 2014 FIFTH EDITION

Vult
 Risk Category II
 Exposure C
 Components & Cladding 26.6/1-35.5

GENERAL

- 1) LIVE LOAD - ROOF 20 PSF
- 2) NOMINAL DESIGN WIND SPEED - - ULTIMATE DESIGN WIND LOAD 141 MPH 3 SEC
- 3) ALL WORK TO BE IN STRICT ACCORDANCE WITH THE FLORIDA BUILDING CODE & LOCAL CODES, LATEST EDITION.
- 4) ONLY WRITTEN CHANGES APPROVED BY THE ENGINEER SHALL BE PERMITTED.
- 5) PIPES THRU STRUCTURAL ELEMENTS SHALL BE SLEEVED W/ STEEL PIPE OF LARGER DIAMETER.

GENERAL NOTES

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY NOTIFY THE ARCHITECT OF ANY CONFLICTS, ERRORS OR OMISSIONS IN THESE CONSTRUCTION CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ANY COORDINATION BETWEEN SUB-CONTRACTOR, VENDORS, ETC., AS NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS AND OWNER-CONTRACTOR AGREEMENT. IN THE CASE OF INCONSISTENCIES OR DISCREPANCIES BETWEEN THE DRAWINGS, THE MOST STRINGENT NOTE OR CONDITION SHALL APPLY.
2. FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR/ SUB CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS INCURRED IF NOTIFICATION IS NOT PROVIDED TO THE ARCHITECT IN A TIMELY MANNER.
3. OSHA REQUIREMENTS SHALL BE INCORPORATED INTO THE SCOPE OF WORK EVEN THOUGH THEY ARE NOT LISTED SEPARATELY. IN ACCORDANCE WITH COUNTY, STATE AND OSHA REQUIREMENTS.
4. THESE GENERAL NOTES SHALL APPLY TO ALL DRAWINGS AND GOVERN UNLESS OTHERWISE NOTED. THE GENERAL CONTRACTOR AND SUB CONTRACTORS SHALL ALSO REFERENCE THE NOTES ON EACH DRAWING SHEET AND INCORPORATE SUCH INTO THE SCOPE OF THE WORK.
5. ALL FINISHES MUST MEET FLAME SPREAD RATINGS AND SMOKE DEVELOPED RATIO REQUIREMENTS. FOR SPRINKLERED SPACES: CLASS C/III (0-200 SMOKE DEVELOPED RATIO); FOR UNSPRINKLERED SPACES: CLASS A/I (0-25 SMOKE DEVELOPED RATIO); ABOVE CEILING SPACES: NON - COMBUSTIBLE MATERIALS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO SUBMIT SPREAD RATING INFORMATION TO THE LOCAL BUILDING OFFICIAL IF SO REQUESTED.
6. A PORTABLE FIRE EXTINGUISHER WITH A RATING AS DIRECTED BY THE FIRE DEPARTMENT FIELD INSPECTOR SHALL BE PROVIDED IF DIRECTED BY THE FIRE OFFICIAL.
7. THE ARCHITECT HAS ENDEAVORED TO SPECIFY AND/OR INDICATE MATERIALS THAT DO NOT CONTAIN HAZARDOUS MATERIALS OR ITEMS IN VIOLATION OF APPLICABLE CODES AND LAWS OR REASONABLE BUILDING PRACTICES. ALL CONTRACTORS, SUBCONTRACTORS AND VENDORS SHALL LIKEWISE ENDEAVOR TO PROVIDE MATERIALS THAT DO NOT CONTAIN HAZARDOUS COMPONENTS. NOTIFY THE ARCHITECT OF ANY MATERIALS SPECIFIED OR INDICATED FOR USE ON THE PROJECT SITE WHICH CONTAIN HAZARDOUS MATERIALS AND/OR ASBESTOS.
8. ALL LABOR, MATERIALS, FINISHED EQUIPMENT AND THE FINAL FINISHED PROJECT AS INDICATED BY THE PLANS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS SHALL BE SUPPLIED BY THE CONTRACTOR AS PER GOVERNING STATE AND LOCAL CODES AND ANY AND ALL OTHER REGULATIONS AND CODES HAVING LOCAL JURISDICTION, AND ALL WORK AS REQUIRED BY INSPECTION AGENCIES AVOIDING JURISDICTION.
9. NOT USED.
10. THESE DRAWINGS AND RELATED DOCUMENTS DETAIL THE WORK FOR THIS SPECIFIC LOCATION AND PROJECT. THESE DOCUMENTS REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL AND MAY NOT BE USED FOR ANY OTHER PROJECT OR PURPOSE WITHOUT WRITTEN AUTHORIZATION OF THE ARCHITECT.
11. DO NOT SCALE DRAWINGS.
12. DIMENSIONS ARE TO FINISH TO FINISH FACE OR CENTERLINE OF COLUMN UNLESS OTHERWISE NOTED.

STRUCTURAL GENERAL NOTES:

1. GENERAL
 - 1.1 STRUCTURAL WORK SHALL BE IN ACCORDANCE WITH THE 2014 FBC FIFTH EDITION
 - 1.2 VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR INCONSISTENCIES.
 - 1.3 DO NOT SCALE DRAWINGS
 - 1.4 NOT USED.
 - 1.5 SEE ARCHITECTURAL, AND STRUCTURAL BUILDING FABRICATION DRAWINGS FOR ANCHORED, SUPPORTED AND EMBEDDED ITEMS WHICH AFFECT THE STRUCTURAL WORK. VERIFY DETAILS AND DIMENSIONS WITH ANY EQUIPMENT PURCHASED.
 - 1.6 NOT USED.
 - 1.7 NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE ALTERED UNLESS APPROVED IN WRITING BY THE ARCHITECT.
 - 1.8 FOR ACTUAL ELEVATION OF FIRST FLOOR EL. 100'-0" IS REFERENCED.
 - 1.9 AN INDEPENDENT TESTING LABORATORY WILL BE RETAINED BY OWNER TO VERIFY SOIL COMPACTION, WELDING, CONCRETE STRENGTHS AND OTHER REQUIREMENTS. NOTIFY AND COOPERATE WITH LAB. LAB SHALL SEND A COPY OF THE REPORTS DIRECTLY TO THE ARCHITECT.
 - 1.10 NO CHANGES IN CONSTRUCTION FROM THAT SHOWN IN THE APPROVED SHOP DRAWINGS SHALL BE MADE WITHOUT THE SPECIFIC WRITTEN APPROVAL OF THE OWNER AND CONTRACTOR.
2. SUBMITTALS SHALL CONFORM TO REQUIREMENTS OF CONTRACT DOCUMENTS, AND SHALL BE CHECKED AND MARKED "APPROVED" BY CONTRACTOR PRIOR TO SUBMITTAL. NON-CONFORMING SUBMITTALS WILL BE RETURNED WITHOUT REVIEW.
- 2.1 DESIGN DATA
- 2.2 LIVE LOADS:

ROOF	20 PSF
ATTIC	NA
- 2.2.2 DEAD LOADS:

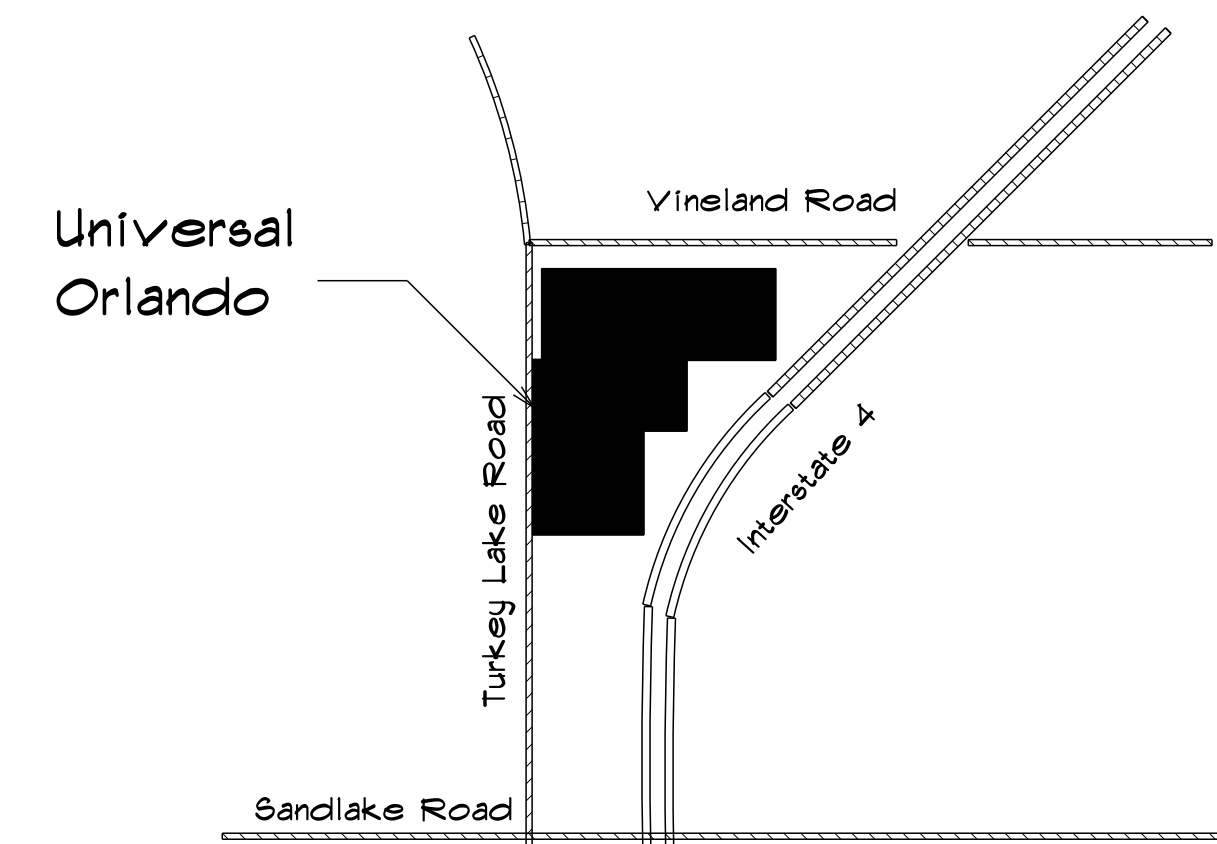
ROOF	2 PSF
COLLATERAL	5 PSF
ATTIC	NA
- 2.3 WIND VELOCITY 140 MPH 30 SEC GUST
- 2.4 ALLOWABLE SOIL PRESSURE 2500 PSF
3. FOUNDATIONS
 - 3.1 REMOVE ORGANIC MATERIAL AND UNSATISFACTORY SOIL. FILL WITH CLEAN SANDY SOIL.
 - 3.2 SOIL UNDER FOOTINGS AND SLABS SHALL BE PREPARED PER ENGINEER SPECIFICATIONS.
 - 3.3 REMOVE FREE WATER FROM EXCAVATIONS BEFORE PLACING CONCRETE.
 - 3.4 PLACE CONCRETE FOR FOOTINGS AND GRADE SLABS ON A 6-MIL POLYETHYLENE FILM VAPOR BARRIER INSTALLED ON COMPACTED SOIL.
4. MASONRY UNITS - NOT USED
5. CONCRETE AND REINFORCING
 - 5.1 CONCRETE WORK SHALL CONFORM TO ACI SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301-01)
 - 5.2 CAST-IN-PLACE CONCRETE 28 DAY COMPRESSIVE STRENGTHS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED.

FOUNDATIONS	3000 PSI
SLABS & COLUMNS	3000 PSI
 - 5.3 PROVIDE CONCRETE COVER OVER REINFORCEMENT AS FOLLOWS, UNLESS OTHERWISE NOTED:

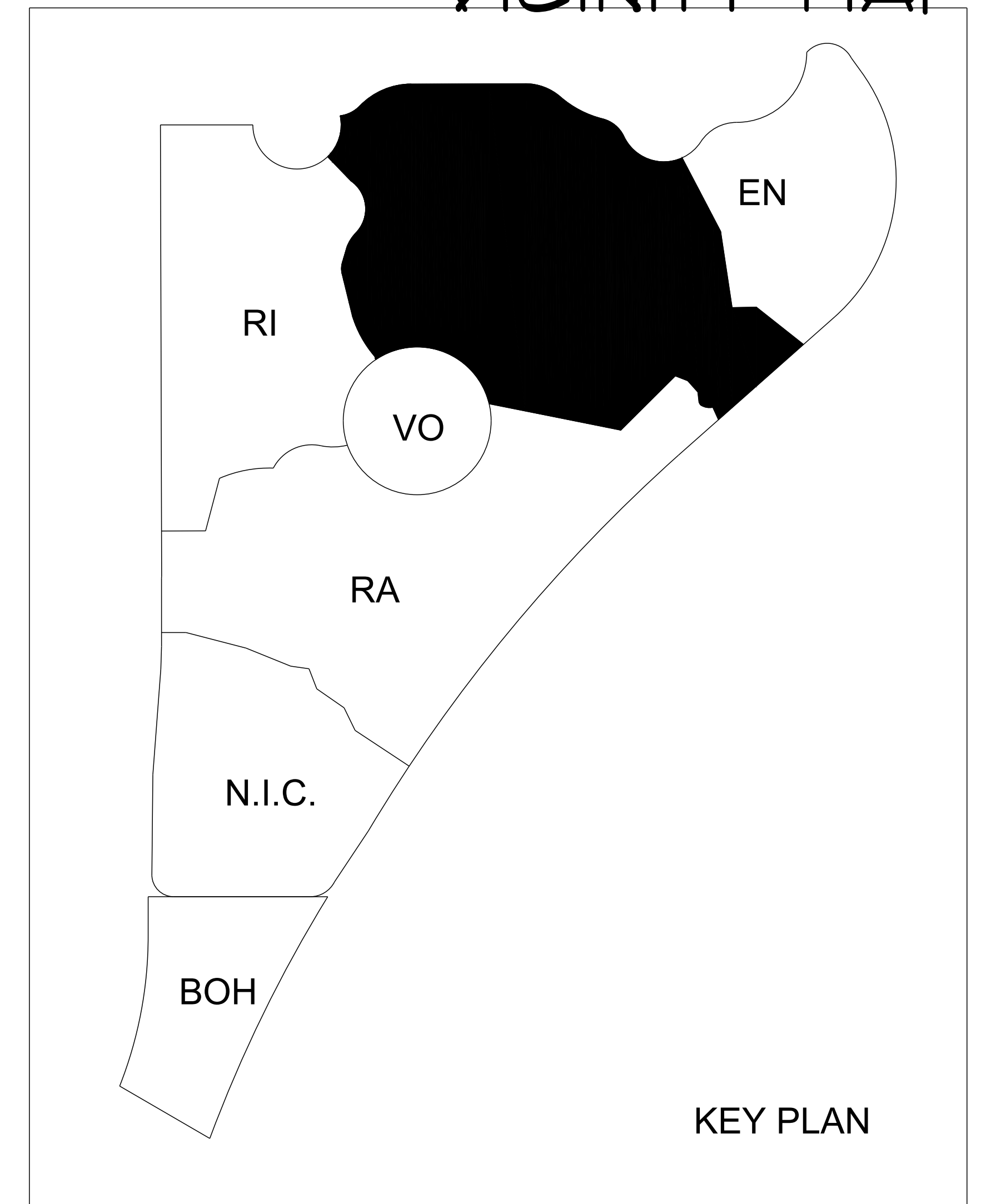
SLABS 3/4"
FOOTINGS 3"
 - 5.4 SLABS, JOISTS AND BEAMS SHALL HAVE NO HORIZONTAL JOINTS, STOPS IN CONCRETE WORK SHALL BE MADE AT CENTER OF SPAN WITH VERTICAL BULKHEADS.
 - 5.5 REINFORCING BARS SHALL CONFORM TO ASTM A-615, GRADE 60, LATEST REVISION.
 - 5.6 WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-615 LATEST EDITION
 - 5.7 PROVIDE PLASTIC TIPPED BAR SUPPORTS IN ACCORDANCE WITH THE ACI DETAILING MANUAL, ACI 315, LATEST REVISION
 - 5.8 LENGTH OF LAP SPLICES AND BAR EMBEDMENT SHALL BE 40 BAR DIAMETERS UNLESS NOTED OTHERWISE.
 - 5.9 NOT USED.
 - 5.10 NOT USED.
 - 5.11 FORMWORK SHORING SHALL BE DESIGNED IN ACCORDANCE TO THE 2010 FLORIDA BUILDING CODE.
 - 5.12 USE STANDARD CURE
6. STRUCTURAL STEEL - SEE ENGINEER DRAWINGS AND DETAIL SHEETS.
 - 6.1 STEEL JOISTS - NOT USED
 - 6.2 PLACE CONCRETE FOR FOOTINGS AND GRADE SLABS ON A 6-MIL POLYETHYLENE FILM VAPOR BARRIER INSTALLED ON COMPACTED SOIL.
8. ENGINEERED METAL
 - 8.1 ALL STRUCTURAL MILL SECTIONS AND WELDED PLATE SECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH THE AISC SPECIFICATIONS OF THE STRUCTURAL STEEL BUILDING.
 - 8.2 ALL COLD-FORMED STEEL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AISC SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS
9. COLD FORMED STRUCTURAL STEEL
 - 9.1 ALL COLD-FORMED STRUCTURAL STEEL MEMBERS (LIGHT GAGE METAL STUDS) SHALL BE TYPE, SIZE, GAGE AND SPACING AS SHOWN ON ARCHITECTURAL AND STRUCTURAL PLANS
 - 9.2 ALL COLD FORMED STRUCTURAL STEEL MEMBERS SHALL BE IN ACCORDANCE WITH ASTM 446 WITH Fy = 40 KSI
 - 9.3 WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3
 - 9.4 PRIOR TO FABRICATION, SUBMIT ENGINEERED SHOP DRAWINGS, INCLUDING BRACING AND CONNECTION DETAILS TO ARCHITECT FOR REVIEW
10. MISCELLANEOUS
 - 10.1 EXPANSION ANCHORS SHALL BE HILTI "KWIK BOLT" OR ACCEPTED SUBSTITUTE. INSTALL IN ACCORDANCE WITH THE MFR INSTRUCTIONS
 - 10.2 THE CONTRACTOR SHALL BRACE ALL CONSTRUCTION AGAINST GRAVITY, LATERAL AND UPLIFT LOADS UNTIL STRUCTURE IS COMPLETE.
 - 10.3 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH LATEST "FLORIDA BUILDING CODE" EDITION

DRAWING INDEX

- 1.0 COVER SHEET, GENERAL CODE, & SCOPE
- 2.0 BUILDING LOCATION - PARK PLAN
- 3.0 QUAD CABANA PLANS
- 4.0 QUAD CABANA ELEVATIONS
- 5.0 QUAD CABANA SECTIONS
- 6.0 STRUCTURAL NOTES & FOOTING LAYOUTS
- 6-1 STRUCTURAL DETAILS



VICINITY MAP



KEY PLAN

CONSTRUCTION NOTES:

- 1) ALL WORK TO BE IN STRICT ACCORDANCE WITH THE ACI 318-09
- 2) MS DESIGN CRITERIA:
 - ALL CONC. TYPE I PORTLAND CEMENT, (ASTM C 150 TYPE 1)
 - COMPRESSIVE STRENGTH 28 DAYS 3000 PSI FOR SLABS AND FOOTINGS AND 3000 PSI ELSEWHERE (UNLO.)

MAXIMUM WATER-CEMENT RATIO BY WEIGHT FOLLOWS:

SPECIFIED COMPRESSIVE STRENGTH (PSI)	3000	3000
NON-AIR ENTRAINED CONC.	0.67	0.46
AIR ENTRAINED CONCRETE.	0.54	0.46

SLUMP SLAB ON GRADE = 5"
 OTHER = 3"
 WATER - POTABLE
 CHLORIDE - NONE
- 3) PROVIDE NORMAL WEIGHT AGGREGATES IN COMPLIANCE WITH THE REQUIREMENTS OF ASTM C 33
- 4) DESIGN BASED ON MIN. ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSI
- 5) PREPARATION OF THE SUB-GRADE TO CONSIST OF HAVING ALL DELETERIOUS ORGANIC MATERIAL REMOVED AND SOIL COMPACTED.
- 6) FIBROUS REINFORCING SHALL BE 100 PERCENT VIRGIN POLYPROPYLENE FIBRILATED FIBERS CONTAINING NO REPROCESSED CLEAN MATERIALS AND SPECIALLY MANUFACTURED TO AN OPTIMUM GRADATION FOR USE AS CONCRETE SECONDARY REINFORCEMENT. VOLUME PER CUBIC YARD SHALL EQUAL A MAXIMUM OF 0.1% (15 LBS)

NOTE: ELECTRICAL, POWER AND DATA IN AREA DEVELOPMENT PACKAGE

SHOW LIGHTING IN AREA DEVELOPMENT PACKAGE SHEETS PW SL-III THROUGH PW SL-T28

WEATHER PROTECTION:

1. ALL ROOF DECKS SHALL BE COVERED WITH APPROVED ROOF COVERINGS IN ACCORDANCE WITH CURRENT FLORIDA BUILDING CODE. ROOF ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THIS CODE AND THE APPROVED MANUFACTURERS INSTALLATION INSTRUCTIONS SUCH THAT THE ROOF ASSEMBLY SHALL PROTECT THE BUILDING AND STRUCTURE. FOR ROOF SLOPES OF 4:12 (33% SLOPE) OR GREATER UNDERLAYMENT SHALL COMPLY WITH ASTM D 226 TYPE II OR ASTM D 4869 TYPE IV OR ASTM D 6781 AND SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER UNDERLAYMENT SHALL BE APPLIED SINGLE FASHION PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES (51 MM) FASTENED WITH 1 INCH (25MM) ROUND FLA819IC CAP, METAL CAP NAILS OR NAILS AND T-NAILS ATTACHED TO A AVAILABLE DECK WITH TWO STAGGERED ROWS IN THE FIELD OF THE SHEET WITH A MAXIMUM FASTENER SPACING OF 12 INCHES (305MM) OC AND ONE ROW AT THE OVERLAPS FASTENED 6" (152MM) OC SYNTHETIC UNDERLAYMENT SHALL BE FASTENED IN ACCORDANCE WITH THIS SECTION AND THE MANUFACTURERS RECOMMENDATIONS END LAP SHALL BE OFFSET BY 6 FEET (1829MM).
2. ALL STRUCTURAL LIGHT FRAMINGS SIZE 2" TO 4" THICK x 2" TO 4" WIDE - NO. 2 OR BETTER.
 - a. STUDS SIZE 2" TO 4" THICK x 2" TO 4" WIDE - STUD GRADE
 - b. STRUCTURAL JOISTS AND FLANKS SIZE 2" TO 4" THICK x 5" OR WOODER - NO. 2 OR BETTER.
 - c. LIGHT FRAMING SIZE 2" TO 4" THICK x 2" TO 4" WIDE - NO. 2 OR BETTER.
 - d. STUDS SHALL BE DOUBLED AT ALL ANGLES, CORNERS AND AROUND ALL OPENINGS
 - e. PLACE A SINGLE 2x SOLID PLATE AT THE BOTTOM AND A DOUBLE PLATE AT THE TOP OF ALL LOAD BEARING STUD WALLS, ATTACH ALL EXTERIOR WALLS AND INTERIOR LOAD BEARING WALLS TO SLAB WITH 1/2" x 8" MIN J-BOLTS OR 1/2" DIA. x 4" MIN. EMBEDMENT HILTI KWIK BOLT AT 4'-0" ANCHORED WITH SIMPSON MAS MUDBOLL ANCHORS EXCEPT AT WALL ENDS AND OPENINGS ALL OTHER INTERIOR NON-LOAD BEARING WALLS MAY BE ATTACHED WITH HILTI DNT3 POWER DRIVEN FASTENERS WITH 7/8" DIA. x 5/64" THICK WASHERS AT 10" ON CENTER.
 - f. PLYWOOD SHEATHING SHALL BE APA STRUCTURAL I, GROUP 1 SIZE AND SPAN RATING AS SHOWN ON THE DRAWINGS.
3. WALL SHEATHING SHALL BE:
 - a. AT INTERIOR WALL PROVIDE 1/2" OR 5/8" GYPSUM WALLBOARD (SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS) EACH SIDE OF STUDS. PROVIDE SOLID 2x BLOCKING AT ALL SHEET EDGES. BLOCKING IS NOT REQUIRED AT NON-LOAD BEARING PARTITIONS.

ALL METAL FLASHING SHALL BE CORROSION RESISTANT AND THICKNESS TO BE NOT LESS THAN DESCRIBED IN FLORIDA BUILDING CODE TABLE R903.2.1 FLASHING NOT REQUIRED AT HIP AND RIDGE JUNCTIONS.



DATE: 11-10-16
 REVISION:

THE WILSTEN GROUP

SCALE: AS SHOWN
 DRAWN BY: DB
 APPROVED: DB

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UNIVERSAL CREATIVE
 WATER PARK PROJECT 533
 QUAD CABANA'S
 ORLANDO, FLORIDA

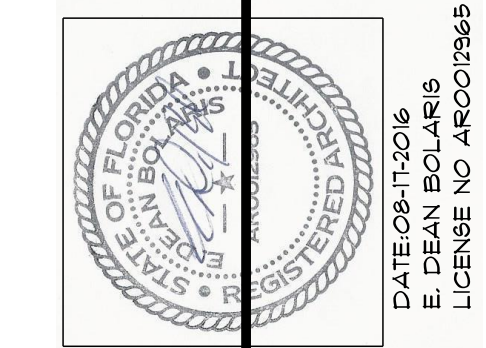
COVER SHEET

1.0



Cabana Breakout by # and Type
(Based on Area Development Paving Plans)

#	Type	ADA	Tube Storage
CA1	Single	x	
CA2	Single	x	
CA3	Double	x	
CA4	Double	x	
CA5	Single	x	
CA6	Single		
CA7	Single	x	
CA8	Single		
CA9	Double		
CA10	Double		
CA11	Double	x	
CA12	Double	x	
CA13	Double	x	
CA14	Double	x	
CA15	Double	x	
CA16	Double	x	
CA17	Double		x
CA18	Double		x
CA19	Double		x
CA20	Double		x
CA21	Double		x
CA22	Double		x
CA23	Single		x
CA24	Double	x	
CA25	Double		
CA26	Double		
CA27	Double		
CA28	Single		
CA29	Double		
CA30	Double		
CC1	Family	x	
CC2	Family		



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UNIVERSAL CREATIVE
WATER PARK PROJECT 533
QUAD CABANA'S
ORLANDO, FLORIDA

SITE INFORMATION

GENERAL NOTES:

- CONTRACTORS SHALL NOT SCALE THESE DRAWINGS FOR CONSTRUCTION PURPOSES. IN THE EVENT OF OMISSION OF NECESSARY DIMENSIONS OR INFORMATION, CONTRACTOR SHALL NOTIFY ARCHITECT. FIGURED AND CALCULATED DIMENSIONS TAKE PRECEDENCE FOR SCALED MEASUREMENTS. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS. ALL PLAN DETAILS AND WALL SECTIONS ARE ASSUMED TO BE TYPICAL CONDITIONS UNLESS DETAILED OR NOTED OTHERWISE.
- VERIFY ALL DIMENSIONS, CONDITIONS AND CHARACTERISTICS OF ALL EQUIPMENT TO BE FURNISHED WITH MANUFACTURERS OR SUPPLIERS BEFORE BEGINNING CONSTRUCTION.
- ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) IN WALLS WHERE THE WEIGHT OF ATTACHED ITEMS OR EQUIPMENT IS TOO GREAT TO BE SUPPORTED BY METAL STUDS. PROVIDED BLOCKING FOR OWNER FURNISHED OR INSTALLED ITEMS.
- INSTALL METAL TRIM ON ALL GYPSUM BOARD EDGES ABUTTING OTHER MATERIALS OR STOPPING SHORT OF OTHER MATERIALS TO FORM A REVEAL OR RECESS.
- ALL PRODUCTS UTILIZED IN THIS CONSTRUCTION SHALL BE ASBESTOS FREE.
- TRANSITION OF DIFFERENT FLOORING MATERIALS AT DOORWAYS SHALL OCCUR AT CENTERLINE OF DOORS TYPICAL.

DIVISION I - GENERAL CONDITIONS:

- VERIFY ITEMS USED IN THIS SPECIFIC PROJECT BY REFERRING TO THE DRAWINGS AND VISITING THE SITE CONSULTING THE ARCHITECT.
- VISIT THE SITE, INSPECT THE EXISTING CONDITIONS AND CHECK THE DRAWINGS AND SPECIFICATIONS SO AS TO BE FULLY INFORMED OF THE REQUIREMENTS FOR THE COMPLETION OF THE PROJECT. LACK OF SUCH INFORMATION SHALL NOT JUSTIFY AN EXTRA TO THE CONTRACT PRICE, NOTIFY THE ARCHITECT OR OWNER IMMEDIATELY OF ANY DISCREPANCIES.
- CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL LICENSES AND PERMITS, FEES, INSPECTIONS AND CERTIFICATES REQUIRED FOR THE EXECUTION OF THIS PROJECT.
- THE CONTRACTOR SHALL COORDINATE ALL WORK AND PROVIDE A CONSTRUCTION SCHEDULE TO THE OWNER AND ARCHITECT.
- CERTAIN ITEMS INDICATED IN THE DRAWINGS AND SPECIFICATIONS MAY BE FURNISHED BY THE OWNER UNLESS SPECIFICALLY INDICATED OTHERWISE. OWNER WILL DELIVER SUCH ITEMS TO THE SITE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING, UNLOADING, INVENTORYING, PROTECTING, INSURING, ASSEMBLING, AND INSTALLING IN THE SAME MANNER AS IF PURCHASED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOT RELY SOLELY UPON SCALING DRAWINGS TO DETERMINE CRITICAL DIMENSIONS WHERE CONSTRUCTION DOCUMENTS ARE INCOMPLETE, AMBIGUOUS OR CONTAIN CONFLICTING INSTRUCTIONS. THE CONTRACTOR SHALL CONTACT THE ARCHITECT IN WRITING FOR A CLARIFICATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL WORK REQUIRED TO ADAPT EXISTING CONDITIONS TO THE CONSTRUCTION DOCUMENTS. (INCLUDING SPECIFICATIONS OR IMPLIED REVISIONS NECESSARY TO COMPLY WITH THE TOTAL SCOPE OF WORK AND LOCAL CODE AUTHORITIES).

- CONTRACTOR SHALL WARRANT TO THE OWNER ON RECEIPT OF NOTICE FROM OWNER WITHIN A PERIOD OF ONE YEAR (OR SUCH OTHER PERIOD OF TIME AS NOTED FOR SPECIFIC ITEMS), FOLLOWING DATE OF SUBSTANTIAL COMPLETION, THE CONTRACTOR WILL AT HIS COST, PROMPTLY CORRECT ANY DEFECT IN MATERIALS AND/OR WORKMANSHIP THAT HAVE APPEARED IN THE WORK SO THAT THEY MEET THE CONDITIONS ORIGINALLY REQUIRED BY THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL COORDINATE WITH LOCAL FIRE INSPECTOR AND OTHER APPLICABLE CODE OFFICIALS FOR COMPLIANCE WITH ALL LOCAL CODES.

DIVISION III - ROUGH CARPENTRY

- TRADESMEN SHALL BE SKILLED AND KNOWLEDGEABLE IN METHODS AND CRAFTSMANSHIP NEEDED TO PRODUCE REQUIRED QUALITY LEVELS. ALL WORKMANSHIP SHALL MEET OR EXCEED THE STANDARDS AS RECOGNIZED IN THE CONSTRUCTION INDUSTRY FOR APPLICATIONS INTENDED.
- ALL WALLS SHALL BE TRUE AND LEVEL AND SECURED PROPERLY WITH ANCHORING AND CONNECTION DEVICES USED IN NORMAL BUILDING CONST.
- FIELD CHECK AND VERIFY AS-BUILT DIMENSIONS TO ASSURE PROPER FIT OF PREFABRICATED MATERIALS.
- PROVIDE ADDITIONAL BLOCKING WHERE REQUIRED.
- TRADESMEN SHALL COORDINATE ALL WORK WITH OTHER TRADESMAN.

DIVISION V - FINISH CARPENTRY

- ALL WORKMANSHIP SHALL COMPLY WITH THE STANDARDS SET FORTH BY THE LATEST EDITIONS OF SPECIFICATIONS BY THE ARCHITECTURAL WOODWORK INSTITUTE AND THE WOODWORK INSTITUTE OF FLORIDA.
- USE GLUES AND ADHESIVES TO MINIMIZE NAILING. ALL CUTS SHALL BE MITRED AS REQUIRED FOR FINISH LOOK AND/OR PAINT. WOOD ON PRE-FINISHED MATERIALS TO MATCH.

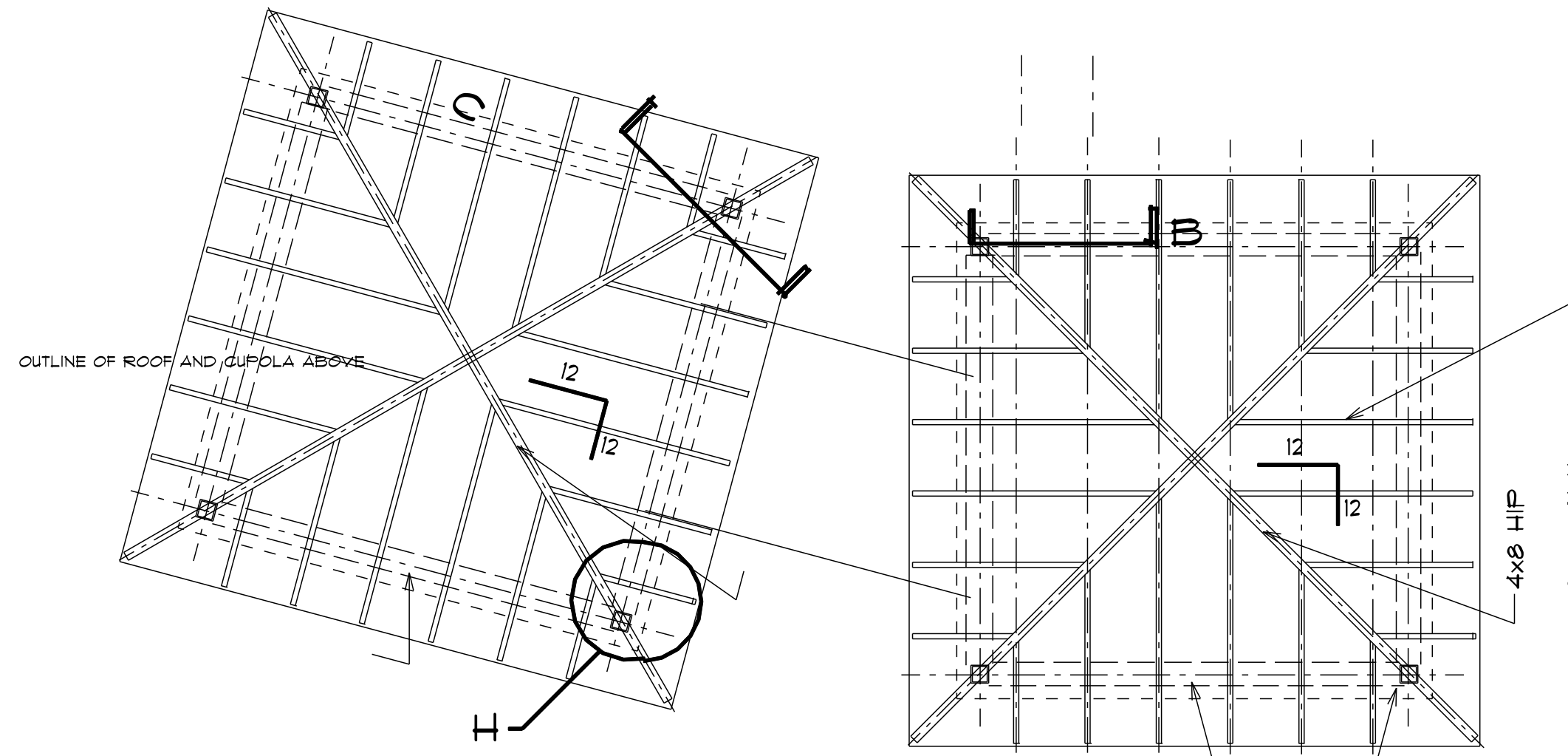
FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIAL FABRICATION. SUBCONTRACTORS RESPONSIBLE FOR ALL COSTS INCURRED IF PRIOR NOTIFICATION NOT PROVIDED AND APPROVED.

CONTRACTOR SHALL VERIFY LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT AND PRIOR TO INSTALLATION OF CONDUIT AND WIRE.

SUBSTITUTIONS: EQUIPMENT, DESIGN OF SYSTEMS TO BE INTEGRAL TO THE EXISTING EQUIPMENT, STANDARDS AND PROJECTED REQUIREMENTS.

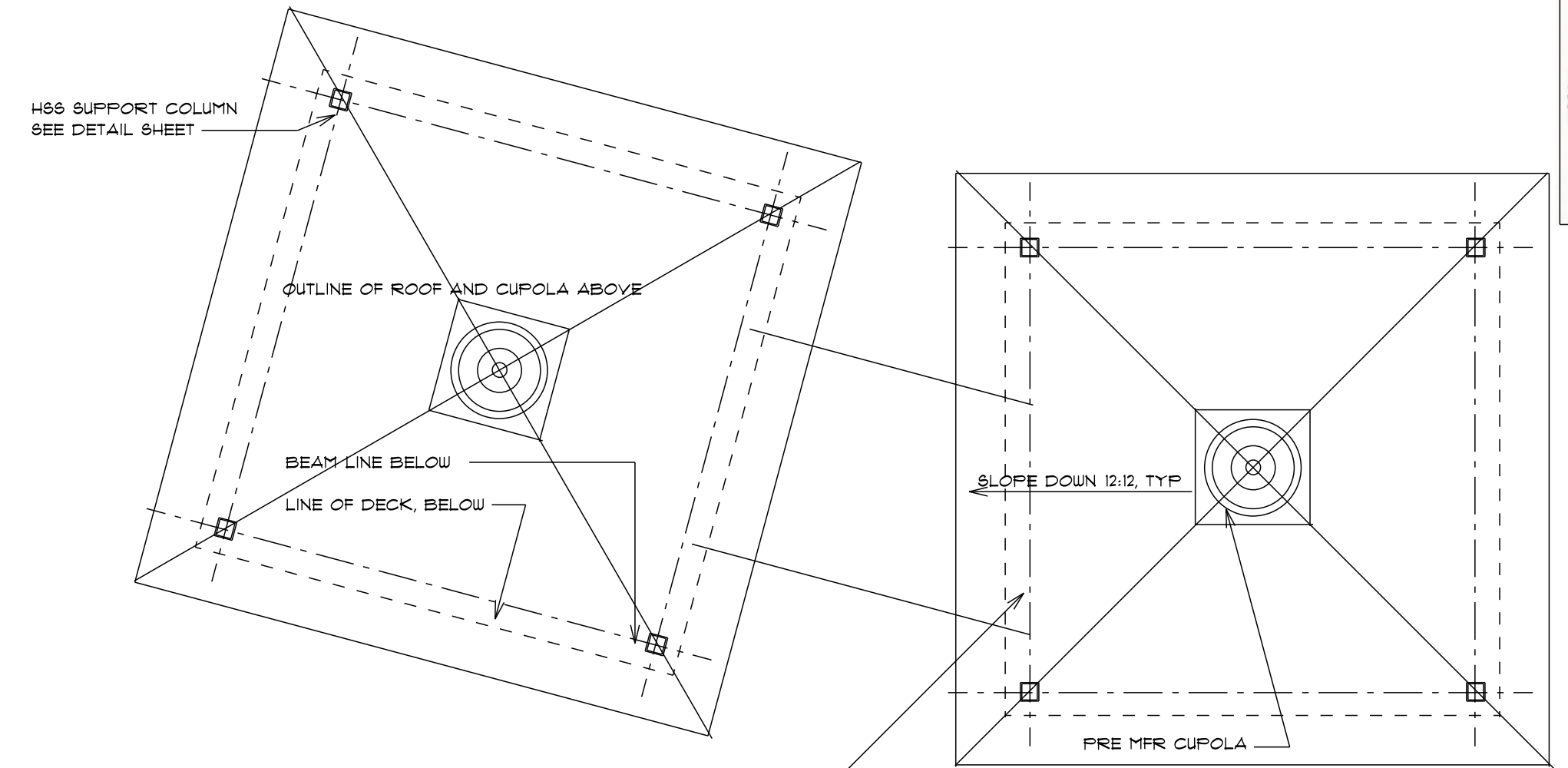
PRODUCTS: WHERE APPLICABLE, ALL MATERIALS SHALL BE UL LISTED OR LISTED WITH AN APPROVED TESTING AGENCY.

WORKMANSHIP: ALL MATERIALS SHALL BE FABRICATED AND INSTALLED IN A NEAT WORKMANLIKE MANNER WITH COORDINATION OF ALL TRADES TO AVOID INTERFERENCE AND DELAY DUE TO LACK OF COORDINATION.



ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"



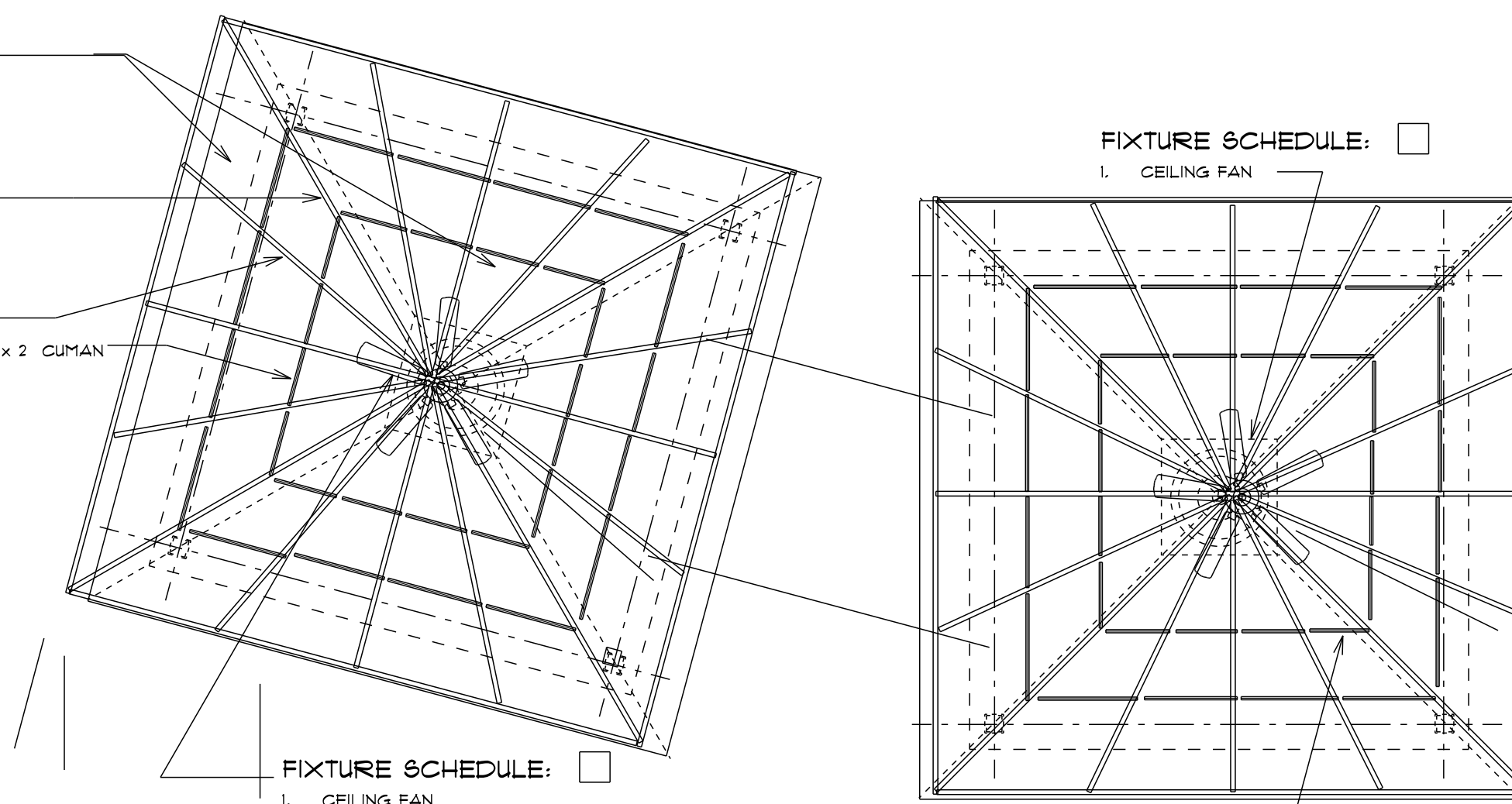
ROOF PLAN

SCALE: 3/16" = 1'-0"

FAUX THATCHED CEILING MATERIAL SECURED TO SMOOTH HARDI OR PLYWOOD SUBSTRATE, TYP

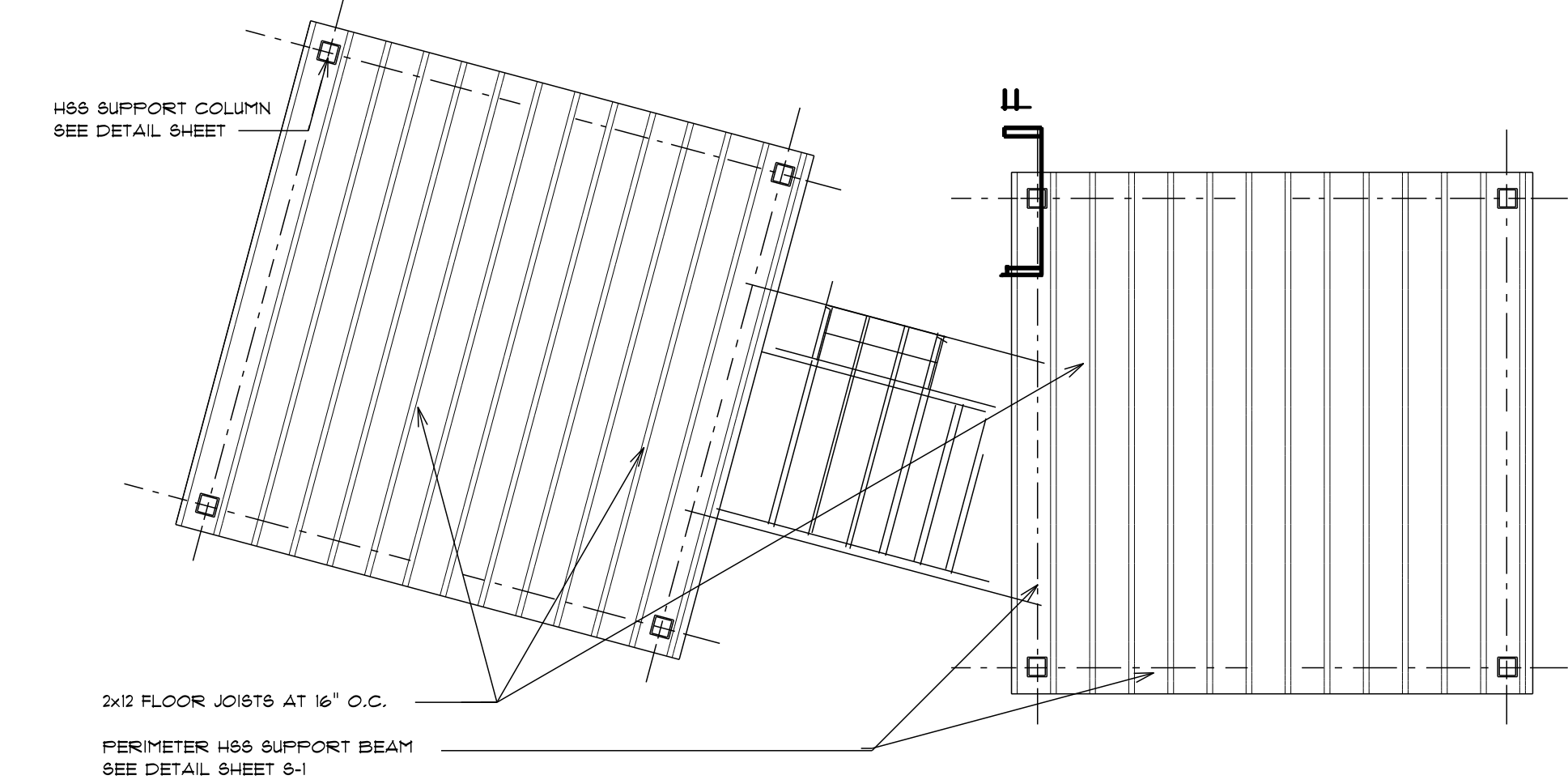
CUMARU FAUX RAFTER-FURLINGS SECURED TO SMOOTH FR PLYWOOD SUBSTRATE.

WOOD BATTENS AS COORDINATED WITH UNIVERSAL CREATIVE AT THATCH BEAM TO FOLLOW BEAM LINE



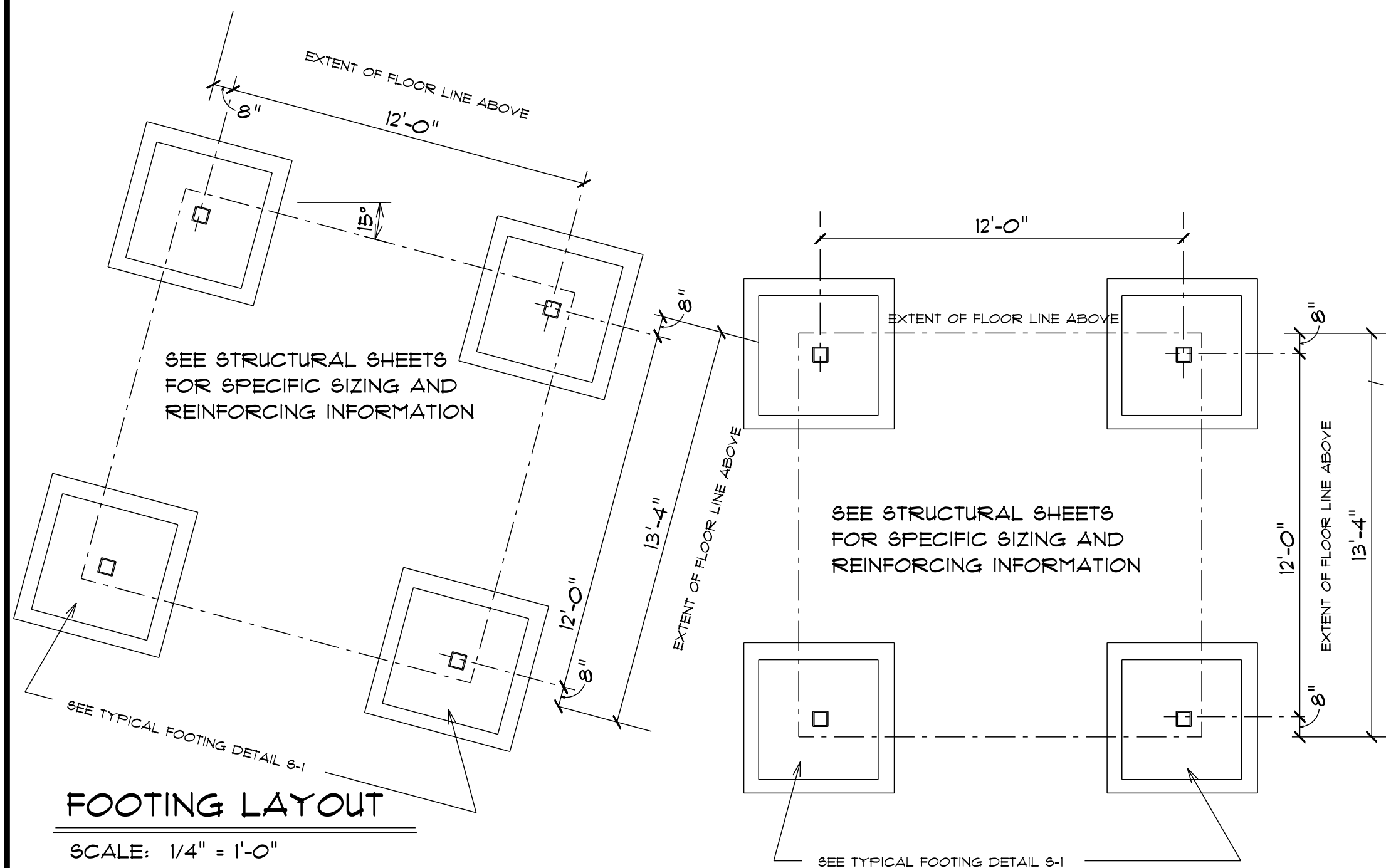
CEILING PLAN

SCALE: 1/4" = 1'-0"



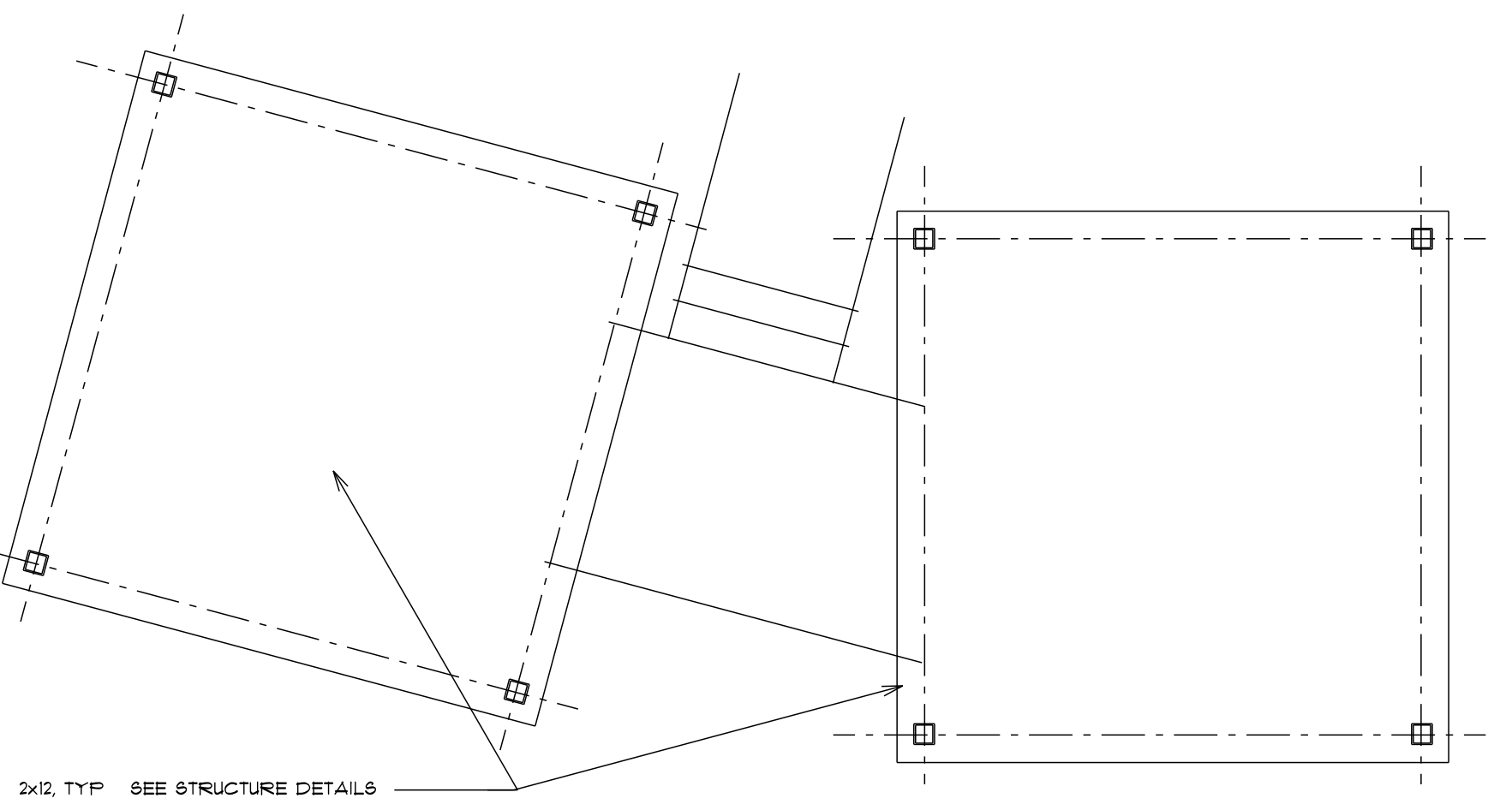
DECK PLAN

SCALE: 3/16" = 1'-0"



FOOTING LAYOUT

SCALE: 1/4" = 1'-0"

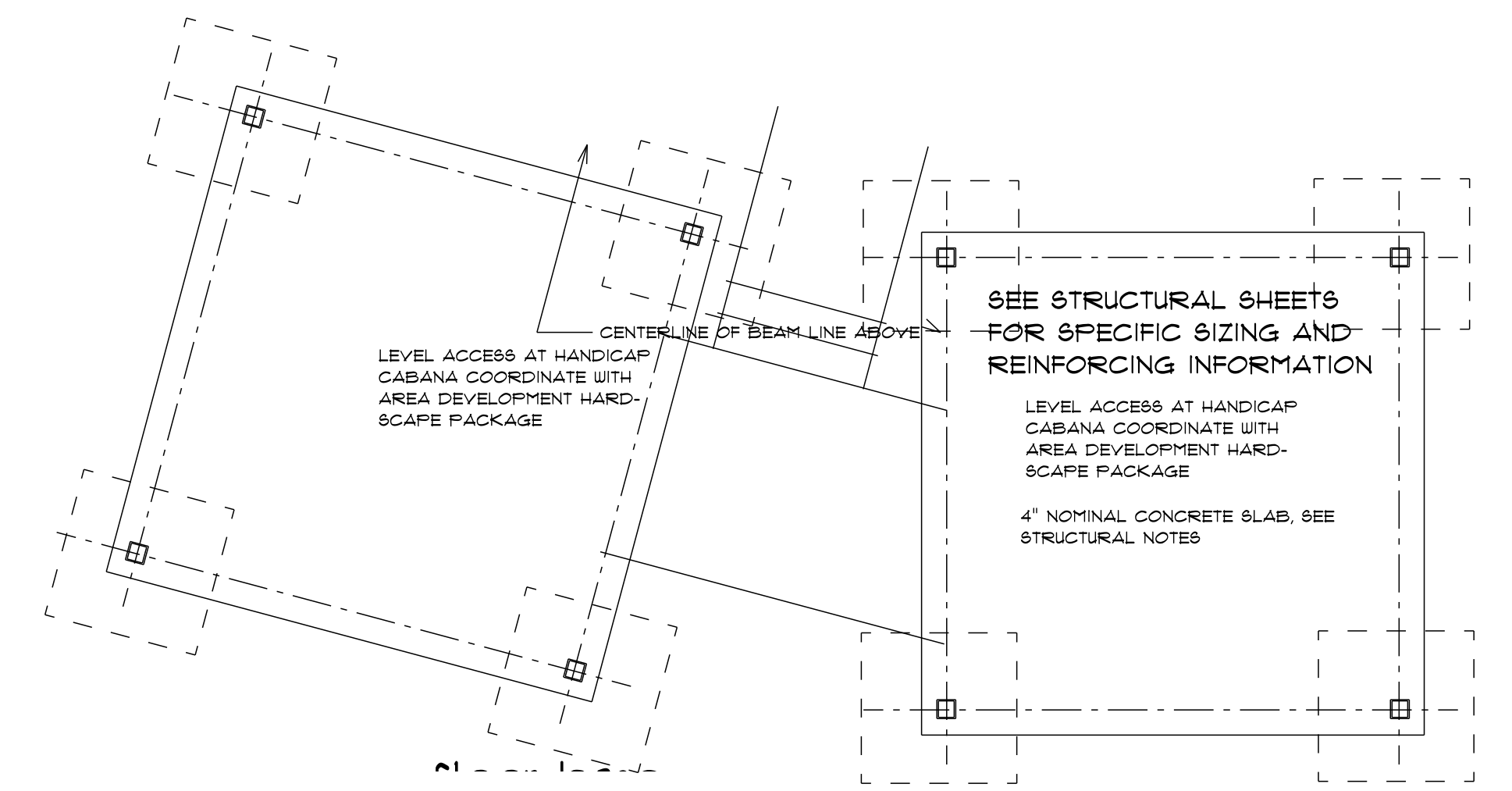


ELEVATED FLOOR FRAMING/ DECK PLAN

SCALE: 3/16" = 1'-0"

SEE ALSO DETAIL AND STRUCTURAL DRAWINGS

SEE STRUCTURAL SHEETS FOR SPECIFIC SIZING AND REINFORCING INFORMATION



FLOOR PLAN

SCALE: 3/16" = 1'-0"

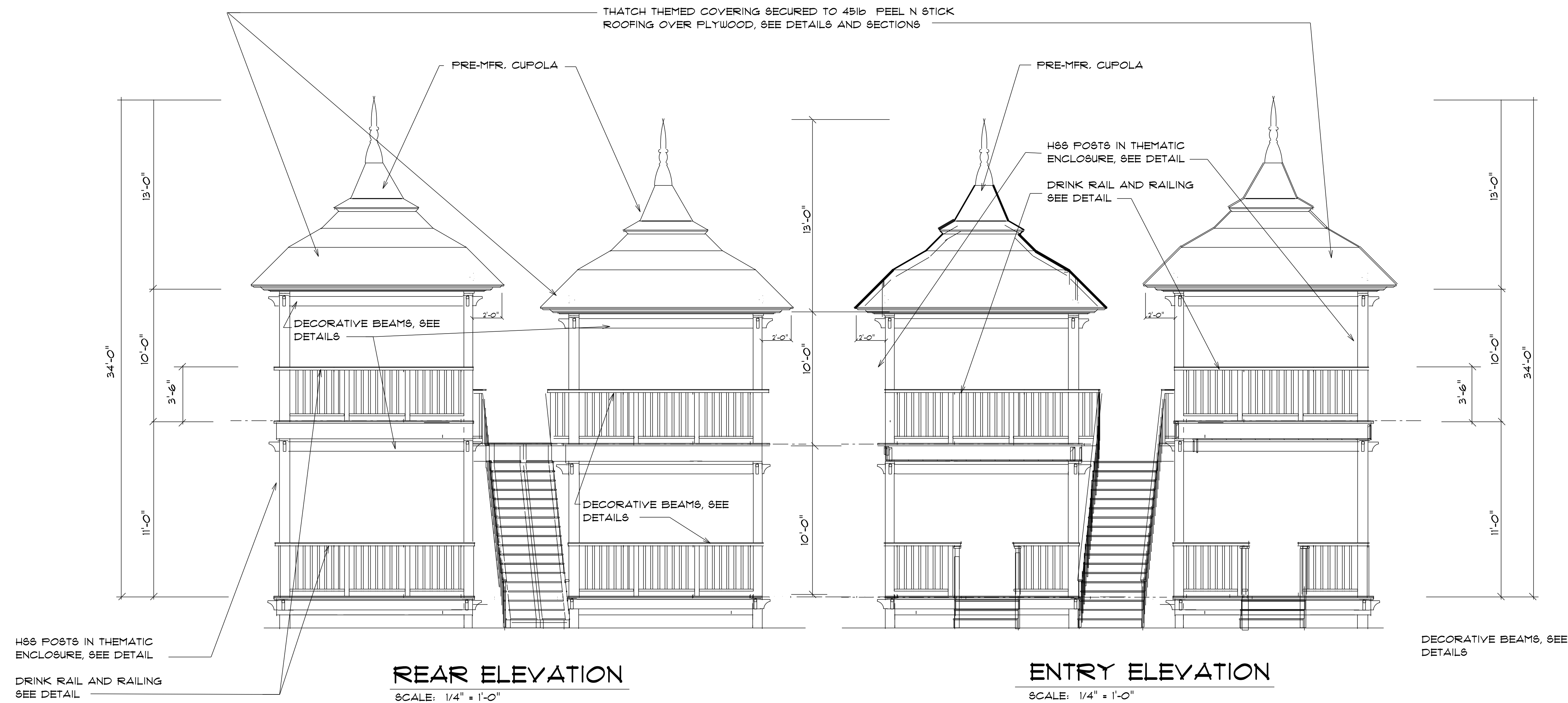


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UNIVERSAL CREATIVE
WATER PARK PROJECT 533
QUAD CABANA'S
ORLANDO, FLORIDA

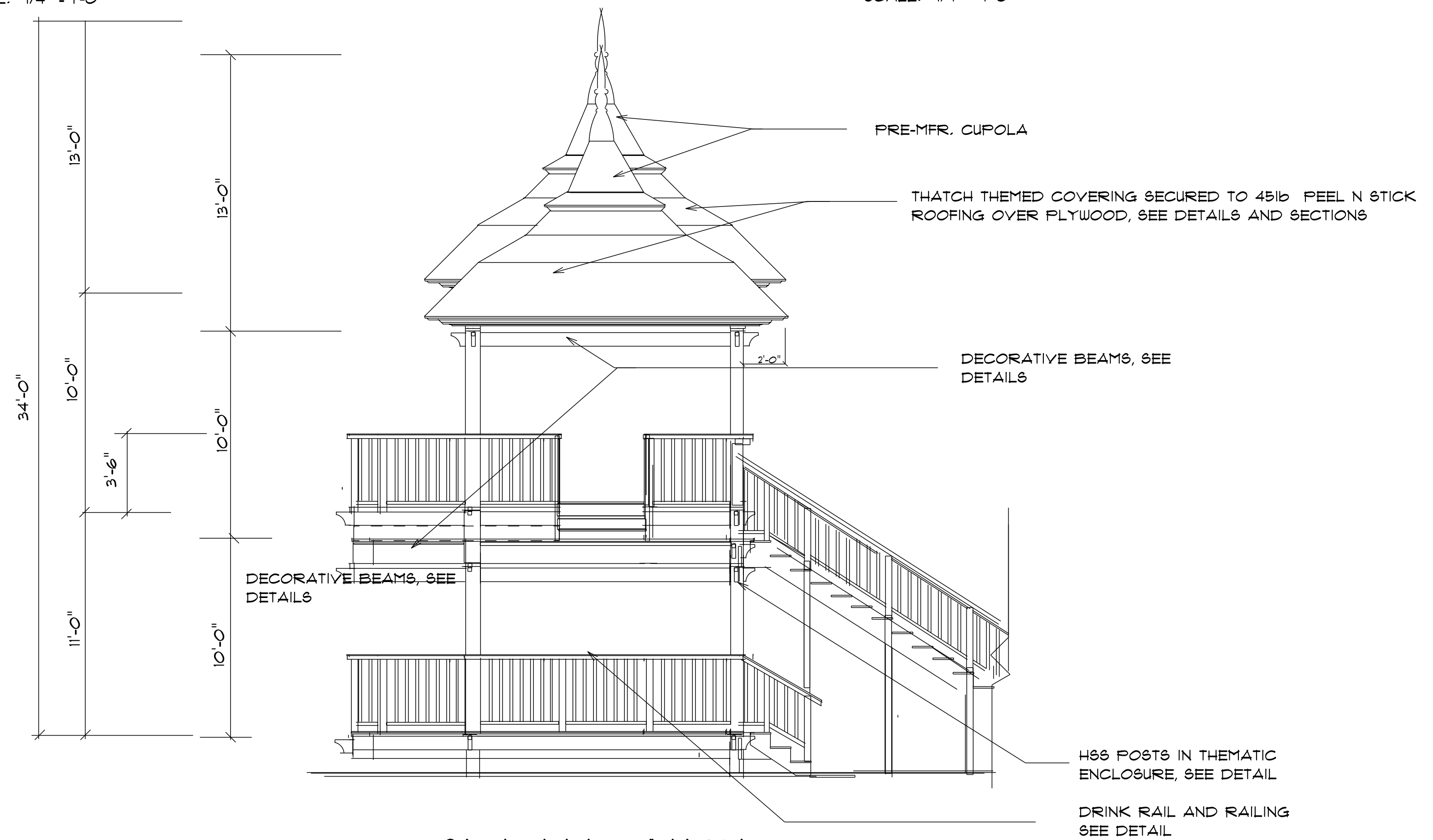


REAR ELEVATION

SCALE: 1/4" = 1'-0"

ENTRY ELEVATION

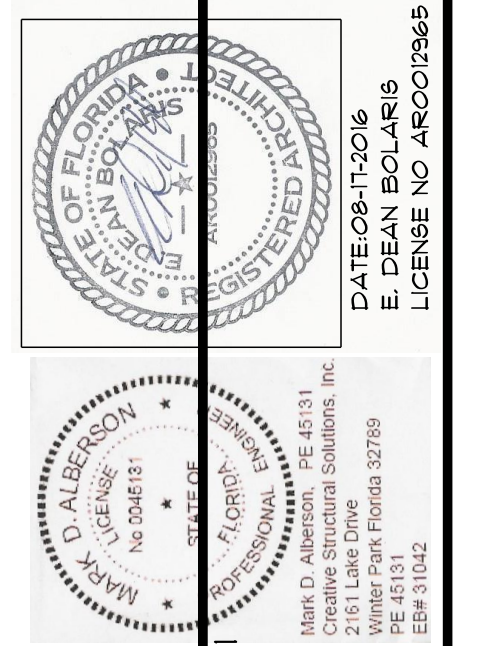
SCALE: 1/4" = 1'-0"



SIDE ELEVATION

SCALE: 1/4" = 1'-0"

EXTERIOR WALL SHEATHING		SINGLE NAIL EDGE SPACING		
SHEATHING REQ'D.	NAIL SIZE	VERTICAL SPACING	HORIZONTAL SPACING	FIELD SPACING
7/16" STRUCTURAL SHEATHING	8d	6" O.C.	6" O.C.	12" O.C.



DATE:
 REVISION:
 E. DEAN BOLARIS
 LICENSE NO. AR0002365

DATE:
 REVISION:
 THE WILSTEN GROUP

SCALE: AS SHOWN
 DRAWN BY: DB
 APPROVED: DB

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UNIVERSAL CREATIVE
 WATER PARK PROJECT 533
 QUAD CABANA'S
 ORLANDO, FLORIDA

QUAD BUILDING ELEVATIONS

4.0

STRUCTURAL DESIGN CRITERIA

D-1-CODES-FLORIDA BUILDING CODE 2014 5TH EDITION
ASCE 7-10
D-2-DESIGN LIVE LOADS:
ROOF 16 PSF
FLOORS 80 PSF

D-3-DESIGN WIND SPEED (ULTIMATE PER ASCE 7-10) 135 MPH
RISK CATEGORY II
ENCLOSURE CLASSIFICATION OPEN
EXPOSURE CATEGORY C
INTERNAL PRESSURE (GC/PIN/A)
COMPONENTS & CLADDING DESIGN PRESSURE SEE DIAGRAM

D-4-ALLOWABLE SOIL BEARING PRESSURE 3000 PSF

BASED ON REPORT MADE BY PROFESSIONAL SERVICE INDUSTRIES
REPORT NUMBER: DATED DECEMBER 22, 2014

GENERAL NOTES

G-1-REVIEW ALL PROJECT DOCUMENTS PRIOR TO FABRICATION AND START OF CONSTRUCTION. REPORT ANY DISCREPANCIES TO ARCHITECT OR STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH WORK. DIMENSIONS RELATING TO EXISTING CONSTRUCTION ARE TO BE FIELD VERIFIED.

G-2-THE STRUCTURE IS DESIGNED TO BE VIABLE IN ITS FINAL FULLY ERRECTED CONFIGURATION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THE SAFETY AND STABILITY OF THE BUILDING AND ITS COMPONENT PARTS DURING THE CONSTRUCTION PHASE OF THE PROJECT.

G-3-THE EXTENT OF UNDERGROUND UTILITIES IS UNKNOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING CONSTRUCTION DURING EXCAVATION.

G-4-NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE REDUCED IN SIZE OR STRENGTH WITHOUT PRIOR APPROVAL IN WRITING FROM THE STRUCTURAL ENGINEER.

G-5-COORDINATE STRUCTURAL AND OTHER DRAWINGS THAT ARE PART OF THE CONTRACT DOCUMENTS FOR ANCHORED, EMBEDDED OR SUPPORTED ITEMS WHICH MAY AFFECT THE STRUCTURAL DRAWINGS.

G-6-ALL DETAILS AND SECTIONS ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT EXCEPT WHERE A SEPARATE DETAIL IS SHOWN.

G-7-THE INTENTION OF THE PLANS AND SPECIFICATIONS IS TO PROVIDE ALL NECESSARY DETAILS TO CONSTRUCT A COMPLETE STRUCTURE. WHEN SPECIFIC INFORMATION IS MISSING OR IS IN CONFLICT, THE CONTRACTOR SHALL USE A SIMILAR DETAIL AND/OR THE MORE COSTLY ITEM OF CONFLICT. THE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

G-8-THE ENGINEER SHALL NOT BE RESPONSIBLE FOR LAYOUT, DIMENSIONAL ERRORS OR DISCREPANCIES RESULTING FROM THE REPRODUCTION AND USE OF CONTRACT DRAWINGS FOR ERECTION AND SHOP DRAWINGS. USE OF CONTRACT DRAWINGS REPRODUCED IN WHOLE OR IN PART IN SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OR SUBCONTRACTORS FROM THEIR RESPONSIBILITY TO ACCURATELY LAYOUT, COORDINATE, DETAIL, FABRICATE AND INSTALL A COMPLETE STRUCTURE.

G-9-REVIEW ALL SHOP DRAWINGS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS, FOR COMPLETENESS, AND ANSWER ALL CONTRACTOR RELATED QUESTIONS, STAMP AND INITIAL ALL SHEETS PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ARCHITECT AND ENGINEER FOR REVIEW. NON-COMPLIANCE WITH THIS REQUIREMENT SHALL RESULT IN REJECTION OF SUBMITTALS.

G-10-SHOP DRAWING SUBMITTALS SHALL BE CONSISTENT WITH THE SPECIFICATIONS. ADDITIONAL SETS OF SHOP DRAWINGS OTHER THAN THOSE REQUIRED WILL BE DISCARDED.

SHALLOW FOUNDATIONS

SF-1-SOIL SHALL BE STRIPPED, COMPACTED, AND TESTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.

SF-2-CENTER ALL FOOTINGS UNDER THEIR RESPECTIVE COLUMNS OR WALLS UNLESS OTHERWISE SHOWN ON PLANS. MAXIMUM MISPLACEMENT OR ECCENTRICITY - 2". TOLERANCE FOR MISLOCATION OF COLUMN DOUELS OR ANCHOR BOLTS TO BE PER ACI OR AISC STANDARDS.

SF-3-HORIZONTAL JOINTS IN FOOTINGS ARE NOT PERMITTED.

SF-4-WHERE VERTICAL CONSTRUCTION JOINTS OCCUR IN CONTINUOUS FOOTINGS, PROVIDE A MINIMUM OF ONE CONTINUOUS 2" x 4" KEYWAY ACROSS JOINT FOR EACH 12" OF DEPTH.

SF-5-CONTRACTOR TO NOTIFY ENGINEER IF SOIL CONDITIONS ARE UNCOVERED THAT PREVENTS THE REQUIRED SOIL BEARING PRESSURE FROM BEING OBTAINED.

SF-6-COORDINATE PLUMBING LINES WITH FOOTING LOCATIONS FOR INTERFERENCE. INDIVIDUAL FOOTINGS SHALL BE LOWERED WITH THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER. CONTINUOUS WALL FOOTINGS SHOULD BE STEPPED AS DETAILED ON THE DRAWINGS.

SF-7-EXCAVATING UNDER OR NEAR IN-PLACE FOOTINGS/FOUNDATIONS WHICH DISTURBS THE COMPACTED SOIL BENEATH THE FOOTINGS/ FOUNDATIONS SHALL NOT BE PERMITTED.

SF-8-REINFORCING SHALL BE SUPPORTED ON PRECAST CONCRETE PADS, DOUELS FOR COLUMNS AND FILLED CELLS SHALL BE SECURED IN PLACE PRIOR TO PLACING CONCRETE. USE TEMPLATES FOR SETTING COLUMN DOUELS AND ANCHOR BOLTS.

REINFORCED CONCRETE

RC-1-ALL CONCRETE DESIGN AND PLACEMENT SHALL BE IN STRICT ACCORDANCE WITH THE ACI "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE," ACI 318.

RC-2-STRUCTURAL CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

RC-3-USE NORMAL WEIGHT CONCRETE. SUBMIT DESIGN MIX FOR REVIEW PRIOR TO PLACEMENT OF CONCRETE. ALL MIX DESIGNS SHALL CLEARLY INDICATE INTENDED USE AND LOCATION.

RC-4-STRUCTURAL CONCRETE SHALL HAVE #1 OR #9 COURSE AGGREGATE WITH A SLUMP RANGE OF 3" TO 5". HIGHER SLUMPS ARE ACCEPTABLE WITH THE ADDITION OF A HIGH RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER). CONCRETE FOR SLABS-ON-GRADE SHALL HAVE #1 COURSE AGGREGATE WITH A SLUMP RANGE OF 3" TO 5". HIGHER SLUMPS ARE ACCEPTABLE WITH THE ADDITION OF A HIGH RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER).

RC-5-FLYASH, WHEN USED, SHALL BE LIMITED TO 20% OF THE CEMENTITIOUS MATERIAL.

RC-6-ALL PUMPED CONCRETE WITH #1 AGGREGATE SHALL CONTAIN A HIGH RANGE WATER REDUCING AGENT. MINIMUM SIZE OF DISCHARGE TO BE 4" I.D.

RC-7-ALL PUMPED CONCRETE WITH #9 AGGREGATE SHALL CONTAIN A HIGH RANGE WATER REDUCING AGENT. MINIMUM SIZE OF DISCHARGE TO BE 2" I.D.

RC-8-CHAMFER ALL EDGES OF EXPOSED CONCRETE 3/4" UNLESS NOTED OTHERWISE.

RC-9-ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND INSTALLED IN ACCORDANCE WITH ACI 318 AND ACI DETAILING MANUAL, ACI-318 MOST CURRENT EDITIONS.

RC-10-REINFORCING STEEL SHALL BE NEW DEFORMED BARS THAT ARE FREE FROM RUST, SCALE AND OIL AND CONFORM TO ASTM A615, GRADE 60, WITH MINIMUM YIELD STRENGTH + 60,000 PSI.

RC-11-SHOP DRAWINGS FOR PLACEMENT SHALL BE SUBMITTED FOR REVIEW PRIOR TO REBAR FABRICATION.

RC-12-WELDED WIRE FABRIC SHALL CONFORM TO ASTM-A105.

RC-13-LAP CONTINUOUS REINFORCING 24 INCHES UNLESS NOTED OTHERWISE. LAP CONTINUOUS BOTTOM STEEL OVER SUPPORT AND CONTINUOUS TOP STEEL AT MIDSPAN UNLESS OTHERWISE SPECIFIED.

RC-14-TERMINATE ALL DISCONTINUOUS TOP BARS WITH STANDARD 90 DEGREE HOOK (PLACED VERTICALLY) UNLESS NOTED OTHERWISE.

RC-15-BAT CHANGES IN DIRECTION OF CONCRETE WALLS, BEAMS & STRIP FOOTINGS, PROVIDE CORNER BARS OF SAME SIZE AND QUANTITY (U.N.O.) AS HORIZONTAL STEEL. REFER TO TYPICAL DETAIL.

RC-16-PROVIDE THE FOLLOWING CONCRETE COVERAGES OVER REINFORCING (U.N.O.):
FOOTINGS: BOTTOM AND SIDES 3" CLR.
TOP 2" CLR

RC-17-FOOTING SIZES SHOWN ARE FOR FOOTINGS CONSTRUCTED WITH SIDE FORMS. IF SOIL MATERIAL CAN HOLD A VERTICAL SHAPE THE SOIL CAN BE USED AS AN EARTH FORM PROVIDED OVERALL FOOTING WIDTH IS INCREASED 4", AND CODE COVER INCREASED BY 2". ALL SLOUGHED MATERIAL SHALL BE REMOVED FROM EXCAVATION BEFORE AND DURING PLACEMENT OF CONCRETE.

RC-18-USE THE STRUCTURAL DRAWINGS, INCLUDING REVISIONS AND ADDENDA, IN CONJUNCTION WITH REVIEWED SHOP DRAWINGS FOR PLACEMENT OF REINFORCING.

RC-19-NO REINFORCING BARS SHALL BE CUT TO ACCOMMODATE THE INSTALLATION OF ANCHORS, EMBEDS OR OTHER ITEMS.

RC-20-ALL EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE PRIOR TO CONCRETE PLACEMENT.

RC-21-PLACEMENT OF CONDUIT AND PIPES IN CONCRETE SHALL CONFORM TO ACI 318 (6.3).

RC-22-PLACE CONCRETE PER ACI 304. USE INTERNAL MECHANICAL VIBRATION FOR ALL CONCRETE. LIMIT MAXIMUM FREE FALL DROP OF COLUMN OR WALL CONCRETE TO 6'-0" FOR #1 AGGREGATE AND 8'-0" FOR #9 AGGREGATE. IN SLABS, BEAMS, FOOTINGS, ETC., LIMIT FREE FALL DROP TO 3'-0". ALL PRECAUTIONS SHALL BE TAKEN TO AVOID SEGREGATION OF CONCRETE DURING PLACEMENT.

RC-23-ADHESIVE ANCHORS SHALL CONFORM TO THE LATEST ACI 308.4 AND PROVIDE THE FOLLOWING MINIMUM STRENGTHS FOR 3/4" A307 THREADED ROD: UNCRACKED CONCRETE BOND STRENGTH OF 1385 PSI AND CRACKED CONCRETE BOND STRENGTH OF 110 PSI. INSTALLATION SHALL BE BY QUALIFIED PERSONNEL AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI).

RC-24-SAMPLING AND TESTING OF SPECIMENS FOR FIELD QUALITY CONTROL SHALL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY. SAMPLES OF FRESH CONCRETE SHALL BE OBTAINED ACCORDING TO ASTM C172, ONE SET OF SAMPLES FOR EACH DAY'S PLACEMENT EXCEEDING 5 CUBIC YARDS, PLUS ONE SET FOR EACH ADDITIONAL 25 CUBIC YARDS. TESTING SHALL BE:

- A. SLUMP: ASTM C 143
- B. CONCRETE TEMPI: ASTM C 1064; TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEGREES F AND BELOW AND WHEN 85 DEGREES F AND ABOVE.
- C. COMPRESSIVE TEST SPECIMENS: ASTM C31; CAST AND LABORATORY CURE FOUR STANDARD CYLINDER SPECIMENS FOR EACH SAMPLE.
- D. COMPRESSIVE STRENGTH TESTS: ASTM C39; TEST ONE CYLINDER AT 1 DAYS, TWO CYLINDERS AT 28 DAYS AND HOLD ONE IN RESERVE.

RC-25-CONTINUOUSLY CURE FRESH CONCRETE IN A MOIST ENVIRONMENT FOR SEVEN DAYS. SUBMIT CURING METHOD FOR APPROVAL BY THE ENGINEER PRIOR TO PLACING CONCRETE

STRUCTURAL STEEL

S-1-FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC "MANUAL OF STEEL CONSTRUCTION," THIRTEENTH EDITION AND THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," 2005 EDITION.

S-2-ALL STRUCTURAL "I" SHAPES TO CONFORM TO ASTM A992 WITH MINIMUM YIELD STRENGTH OF 50 KSI. ANGLES, CHANNELS AND PLATES SHALL CONFORM TO ASTM A36 WITH A MINIMUM YIELD STRENGTH OF 36 KSI.

S-3-STEEL PIPE SHALL CONFORM TO ASTM A501 OR A53, TYPE B E OR S, GRADE B, WITH A MINIMUM YIELD STRENGTH OF 35 KSI.

S-4-SQUARE AND RECTANGULAR STEEL TUBES (HSS SECTIONS) SHALL CONFORM TO ASTM A500, GRADE B, WITH A MINIMUM YIELD STRENGTH OF 46 KSI.

S-5-ALL HIGH-STRENGTH BOLTS SHALL MEET THE REQUIREMENTS OF THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."

S-6-UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE 3/4" DIAMETER A325 AND SHALL BE BEARING TYPE CONNECTIONS.

S-7-USE MIN. 3/4" A325F BOLTS WITH CLASS A CONTACT SURFACE FOR SLIP CRITICAL CONNECTIONS AS DESIGNATED ON PLANS BY A325 9.C.

S-8-ALL ANCHOR RODS CAST IN CONCRETE SHALL CONFORM TO ASTM F1554 GRADE 36.

S-9-TALL SHOP AND FIELD WELDING SHALL BE DONE BY CURRENTLY QUALIFIED WELDERS IN ACCORDANCE WITH AWS D11.1 "STRUCTURAL WELDING CODE," LATEST EDITION.

S-10-USE E70XX LOW HYDROGEN ELECTRODES FOR ALL WELDING UNLESS NOTED OTHERWISE. GRIND SMOOTH ALL EXPOSED WELDS.

S-11-SUBMIT STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. CLEARLY SHOW ALL PIECE MARKS, CONNECTIONS AND ERECTION DRAWINGS. ANY SPLICES NOT SHOWN ON CONTRACT DRAWINGS ARE TO BE CLEARLY NOTED FOR APPROVAL.

WOOD

WD-1 ALL WOOD CONSTRUCTION AND CONNECTIONS SHALL CONFORM TO AITC "AMERICAN INSTITUTE OF TIMBER CONSTRUCTION" MANUAL, LATEST EDITION, AND THE "NATIONAL DESIGN SPECIFICATIONS" FOR WOOD CONSTRUCTION, LATEST EDITION, AND FLORIDA BUILDING CODE 2014 EDITION, CHAPTER 23.

WD-2 ALL MEMBER SIZES ARE TO BE AS SHOWN ON DRAWINGS AND PROVIDE THE FOLLOWING MINIMUM PROPERTIES:

MEMBER SPECIES
STRUCTURAL FRAMING: SOUTHERN PINE
FINISHED FLOORING AND EXPOSED TRIM: CUMARU

WD-3-ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

WD-4 ALL BOLTS CONNECTION WOOD MEMBERS SHALL BE HOT-DIPPED GALVANIZED AND SHALL CONFORM TO ASTM A307. USE WASHERS BETWEEN WOOD AND ALL BOLT HEADS AND NUTS EXCEPT HEADS OF CARRIAGE BOLT.

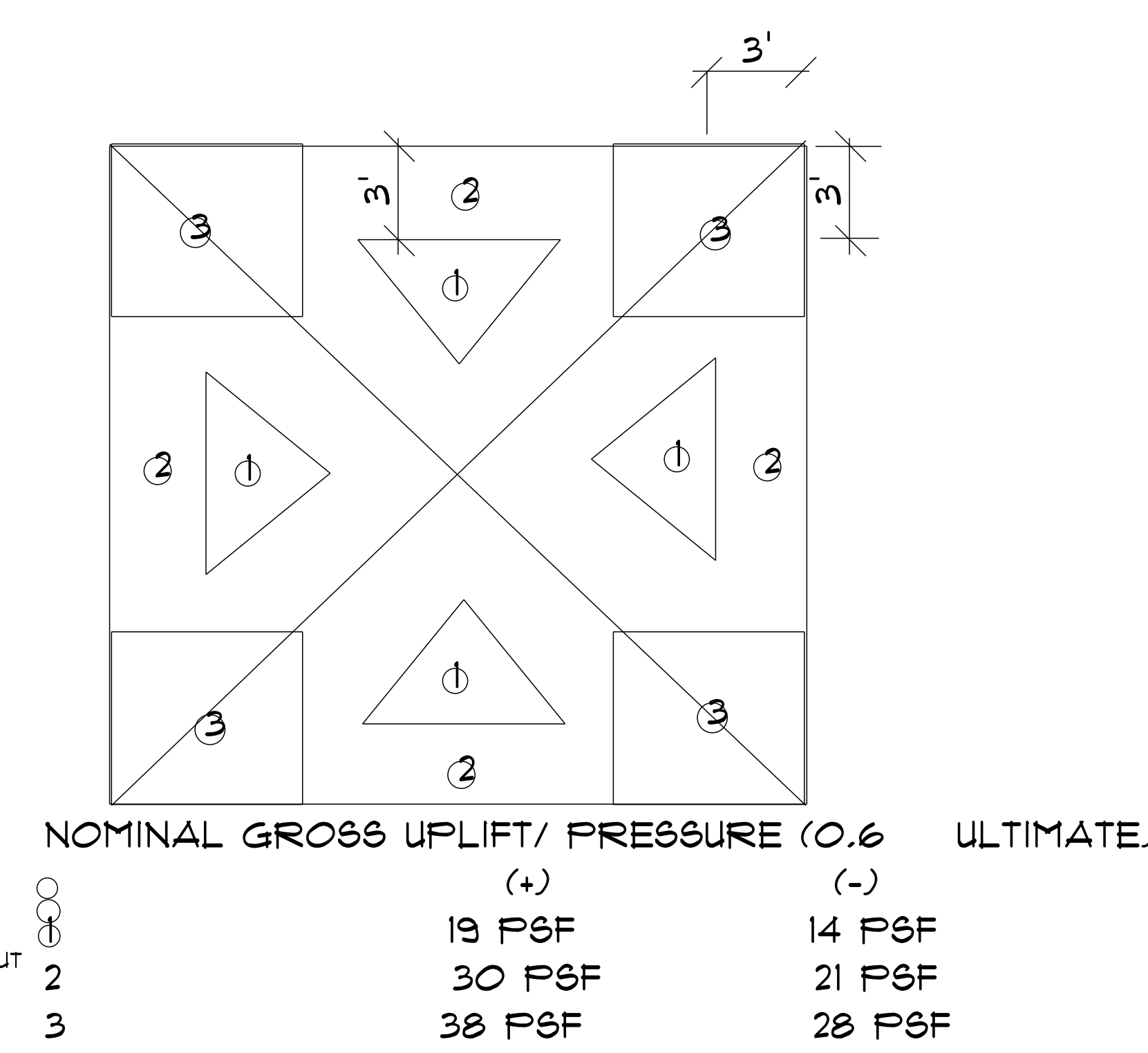
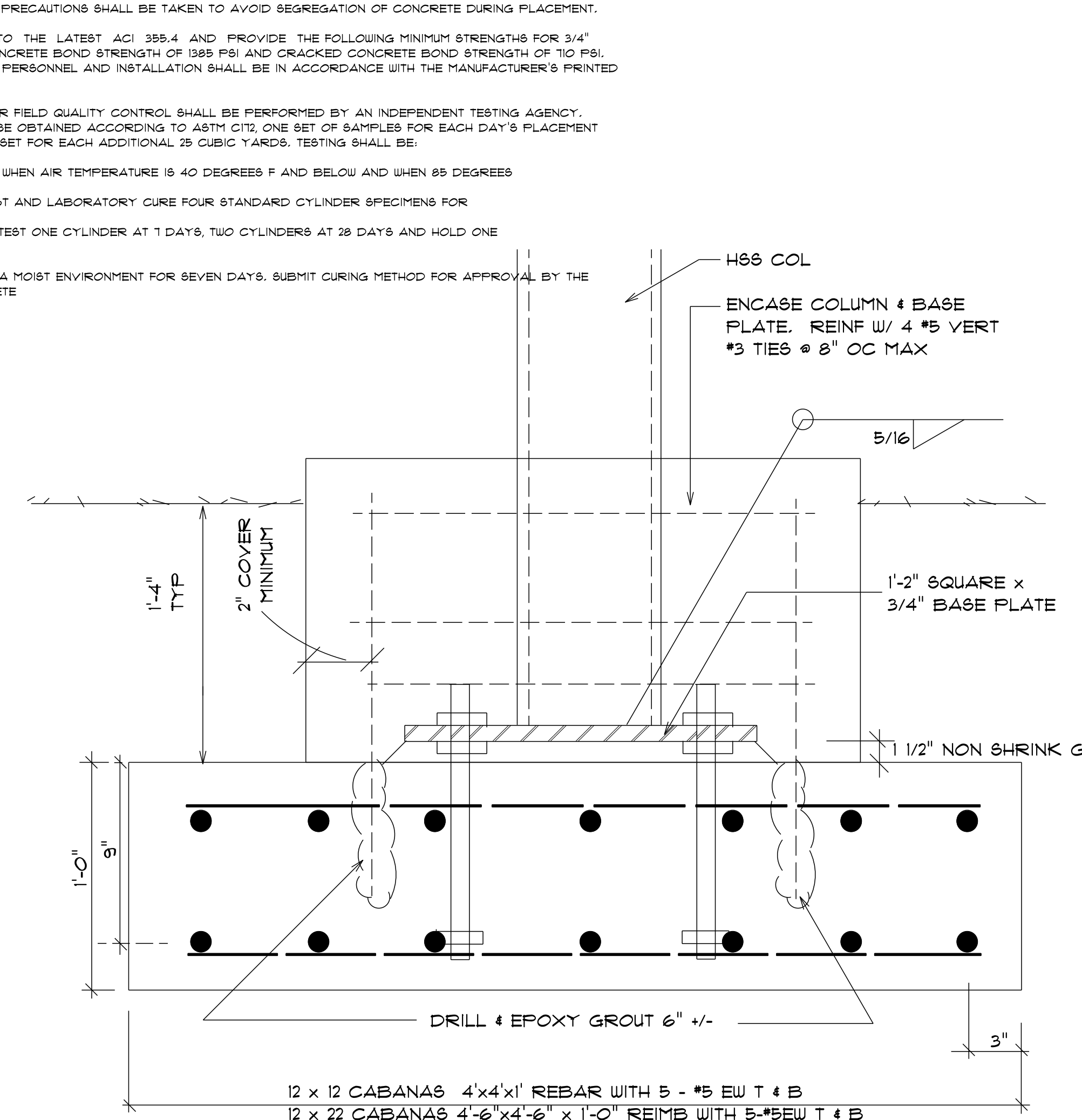
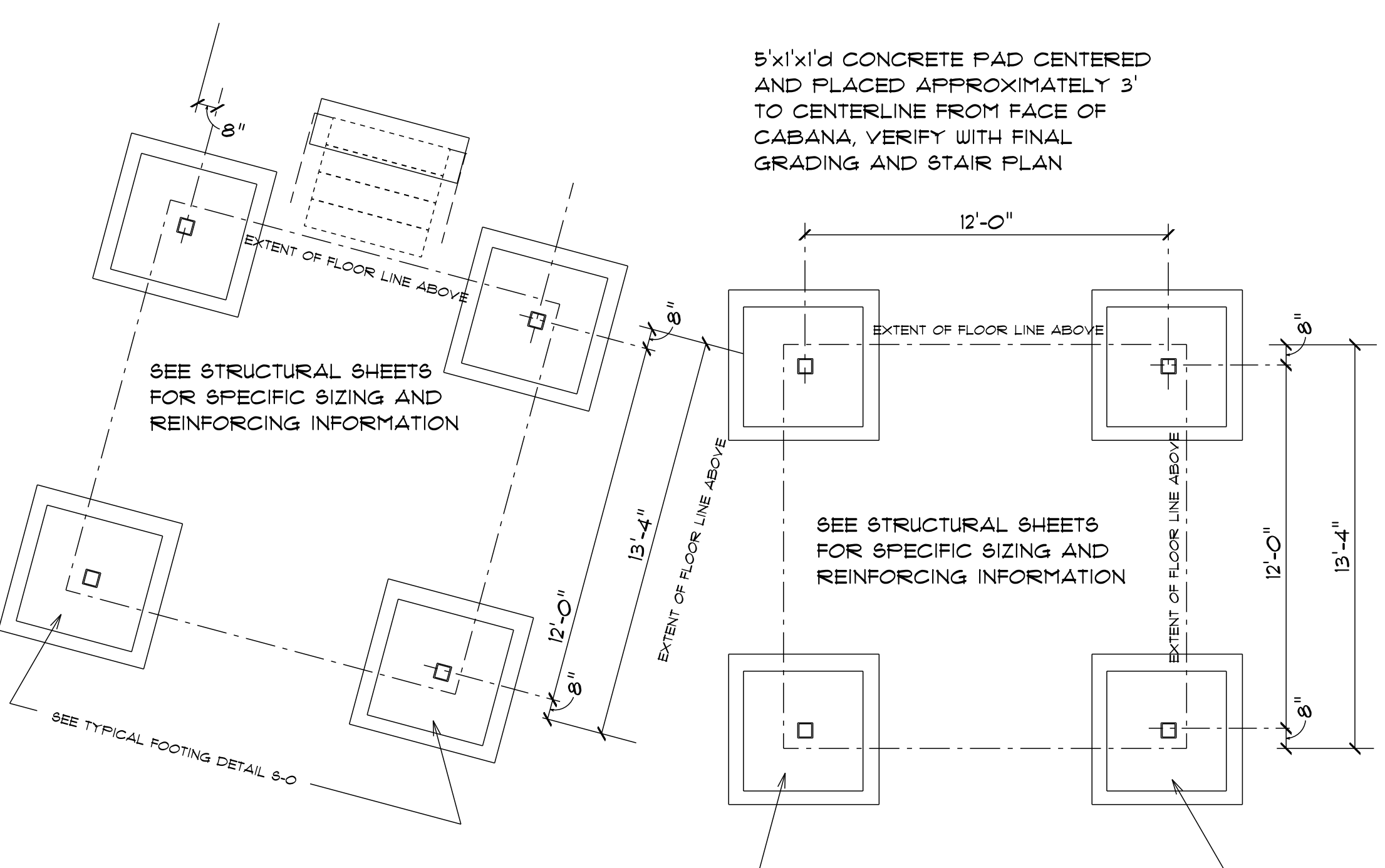
WD-5 ALL METAL WOOD CONNECTORS SHALL BE MANUFACTURED BY SIMPSON STRONG TIE CO. OR APPROVED EQUAL.
A. CONNECTORS FOR PRESSURE TREATED WOOD OR JET SERVICE USE SHALL BE GALVANIZED (58) 1.95 OZ. OF ZINC PER SQUARE FOOT OF SURFACE AREA (HOT-DIPPED GALVANIZED PER ASTM A653 TOTAL BOTH SIDES). THESE CONNECTORS REQUIRE HOT-DIP GALVANIZED FASTENERS PER ASTM A153.

WD-6 ROOF FLYWOOD SHALL BE 1/2" APA RATED SHEATHING, EXPOSURE 1, 40/20 SPAN RATING WITH 10d NAILS @ 4" O.C. MAXIMUM AT ALL SUPPORTED EDGES, SPACE NAILS @ 6" O.C. ALONG INTERMEDIATE FRAMING MEMBERS.

WD-7 FLOOR UNDERLAYMENT PLYWOOD SHALL BE 1/2" APA RATED SHEATHING, EXPOSURE 1, 32/16 SPAN RATING WITH 8d NAILS @ 6" O.C. MAXIMUM AT ALL SUPPORTED EDGES, SPACE NAILS @ 6" O.C. ALONG INTERMEDIATE FRAMING MEMBERS.

WD-8 FASTENERS FOR SHEATHING SHALL BE HOT-DIP GALVANIZED RING SHANK FASTENERS.

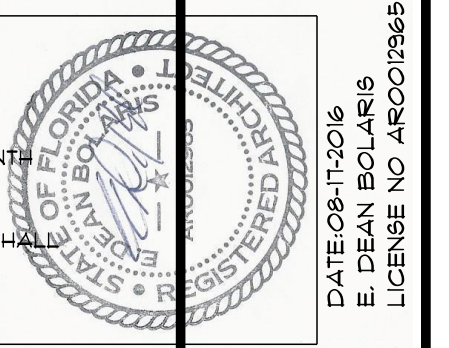
DECK: THICKNESSES AS INDICATED IN DETAILS
FASTENING: 8d HAND DRIVEN OR GUN NAILS @ 6" O.C. @ EDGES AND 12" O.C. FIELD



FOOTING LAYOUT

SCALE: 1/4" = 1'-0"

TYPICAL FOOTING



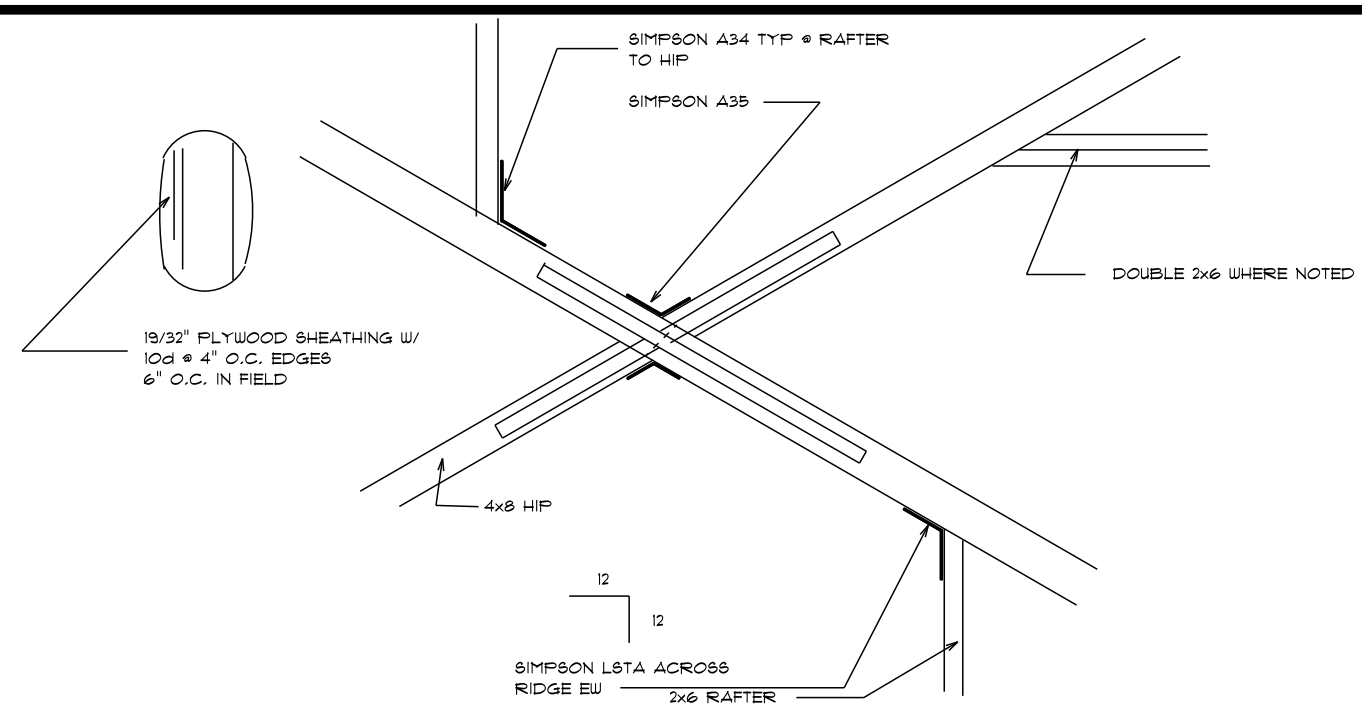
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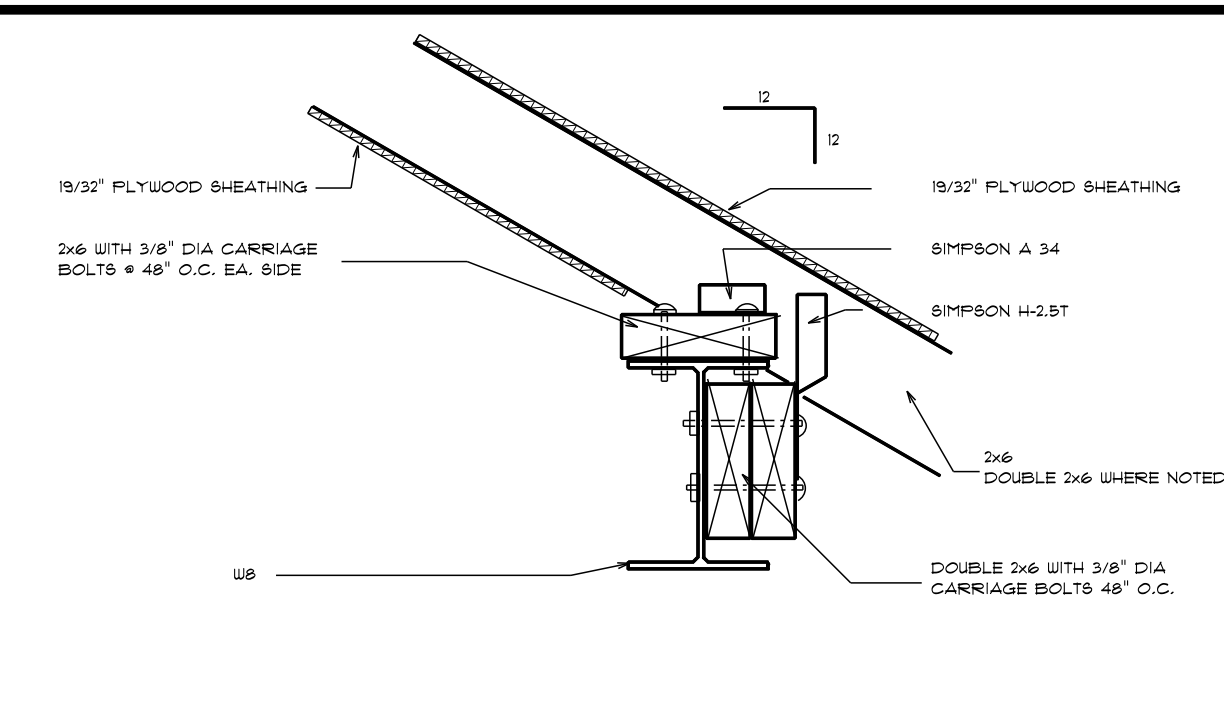
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PROJECT 533 CABANA'S
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STRUCTURAL NOTES
6-0

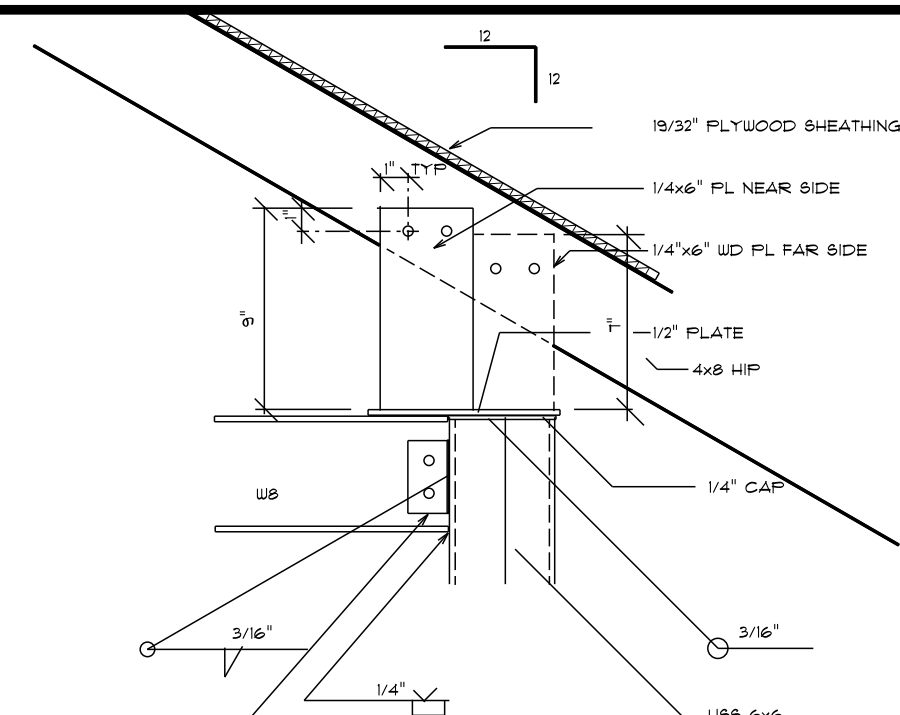


TYPICAL DETAIL AT PEAK ROOF STRUCTURE AT EAVE

A

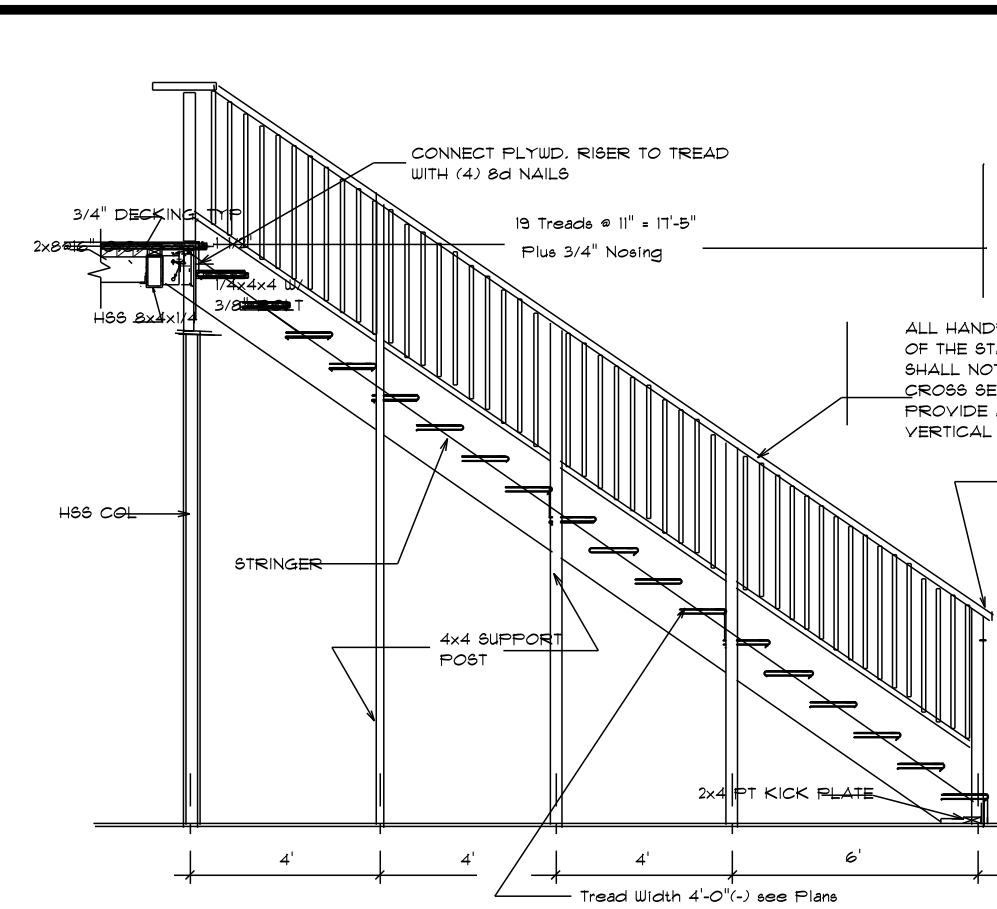


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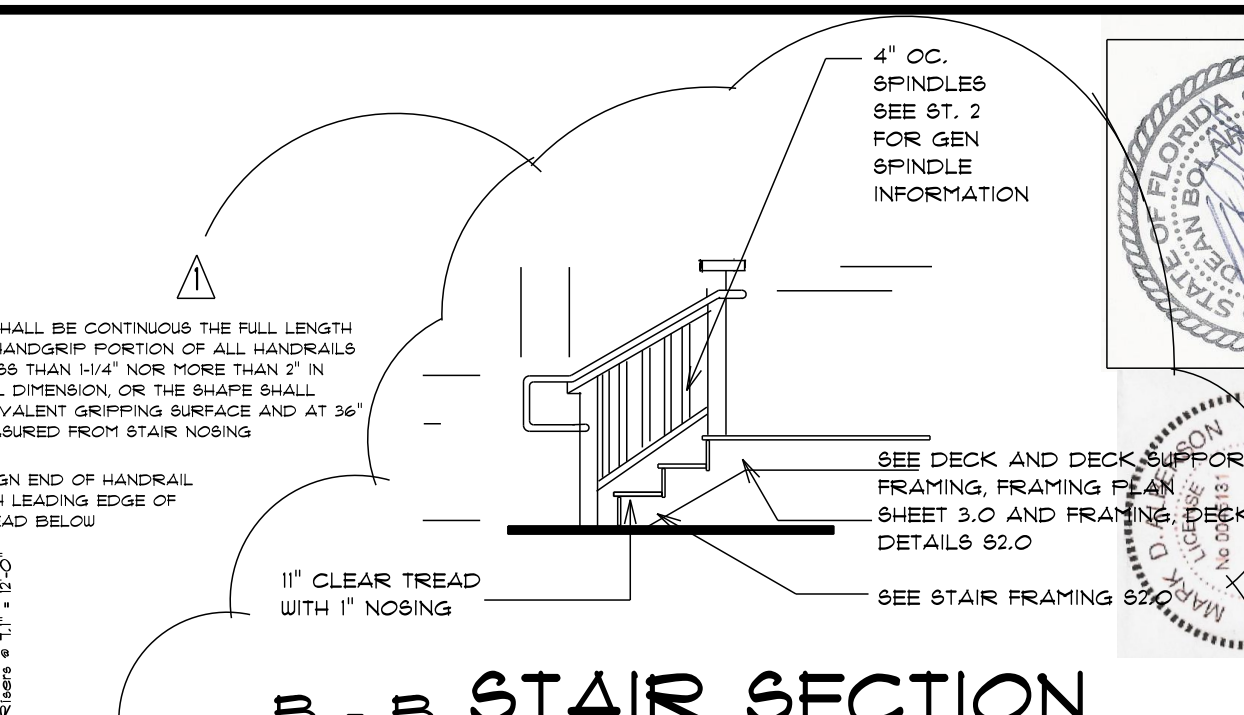


HIP SECTION

C

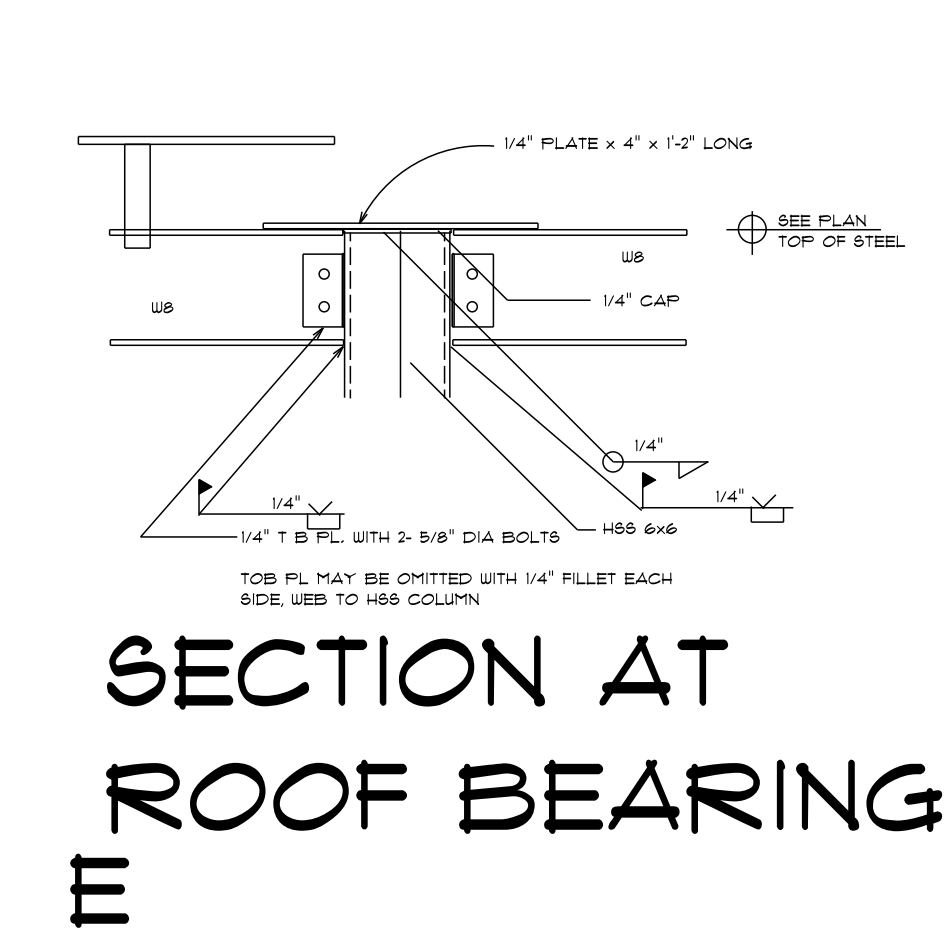


STAIR SECTION



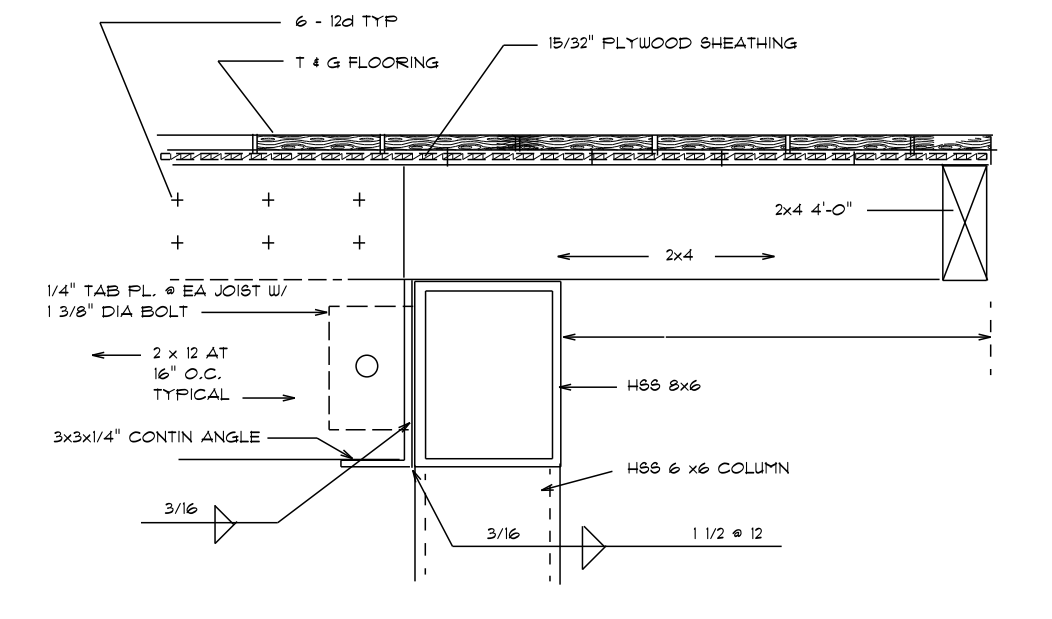
B - B STAIR SECTION

SCALE: 1/4" = 1'-0"

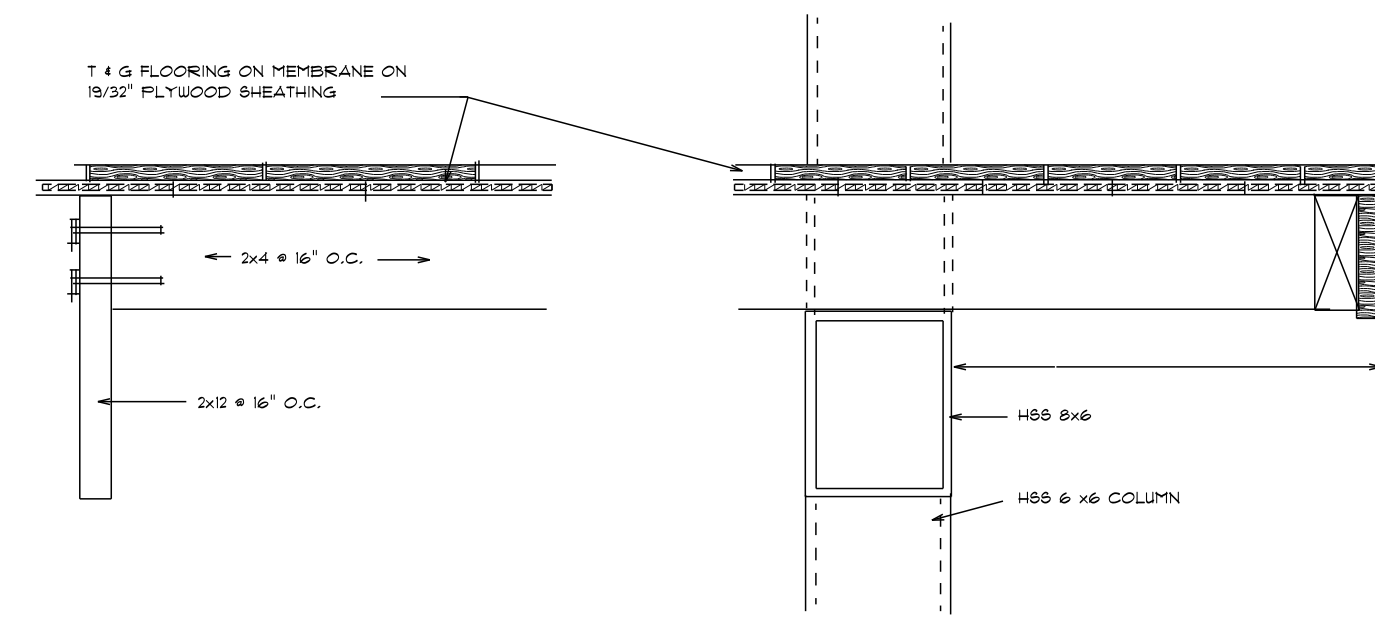


SECTION AT ROOF BEARING

F

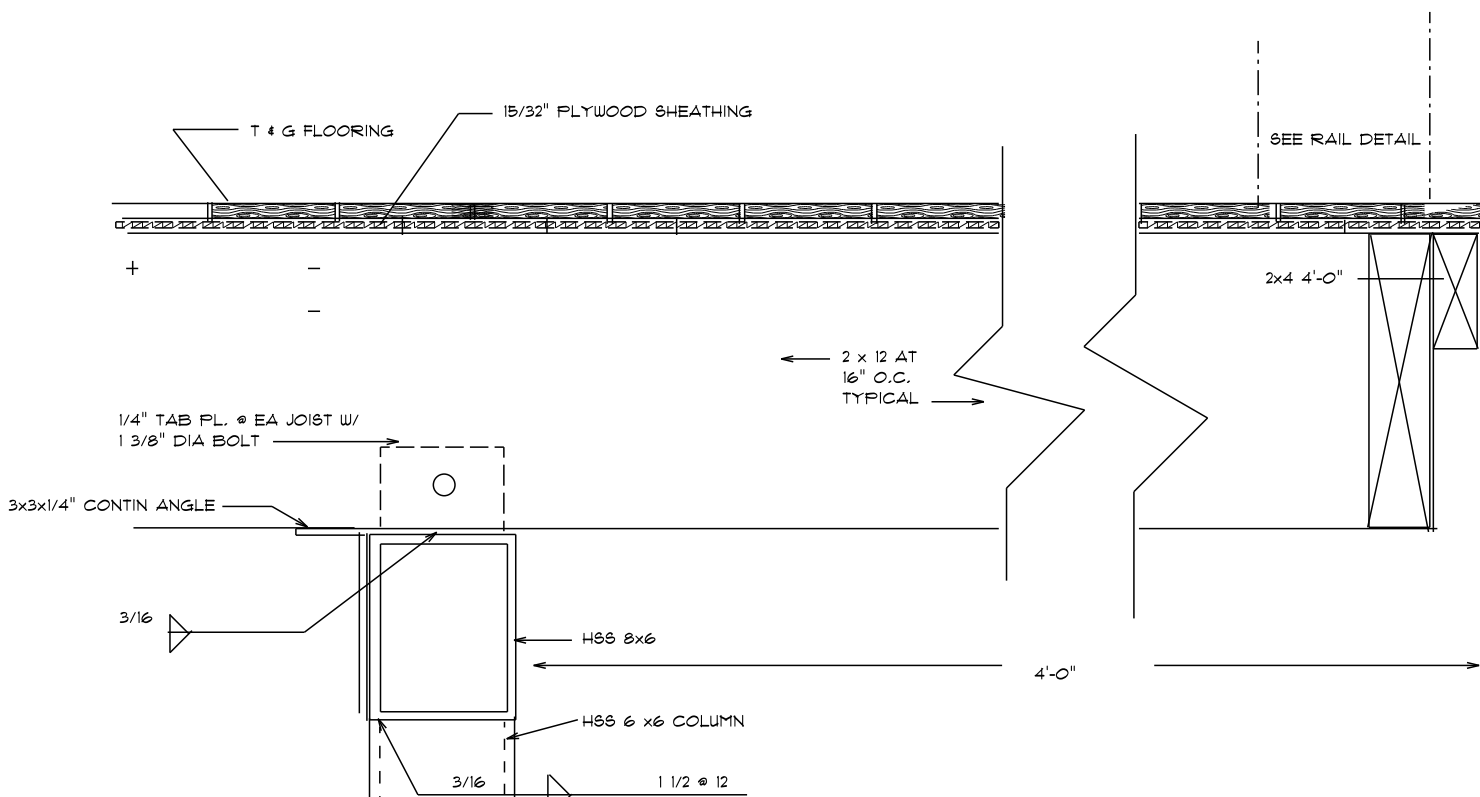


DECK SECTION - 1



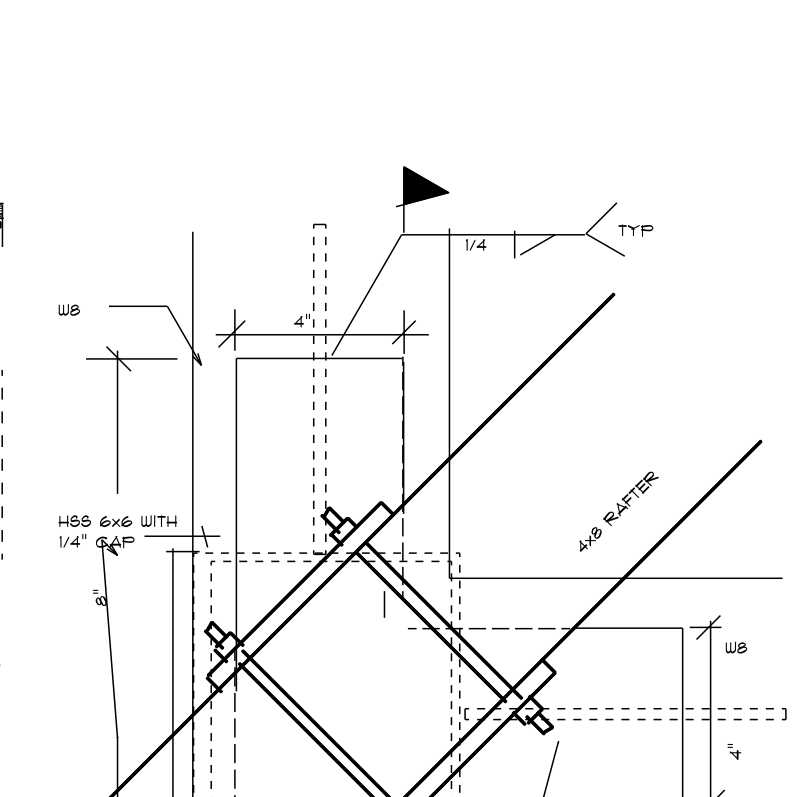
DECK SECTION - 2

G



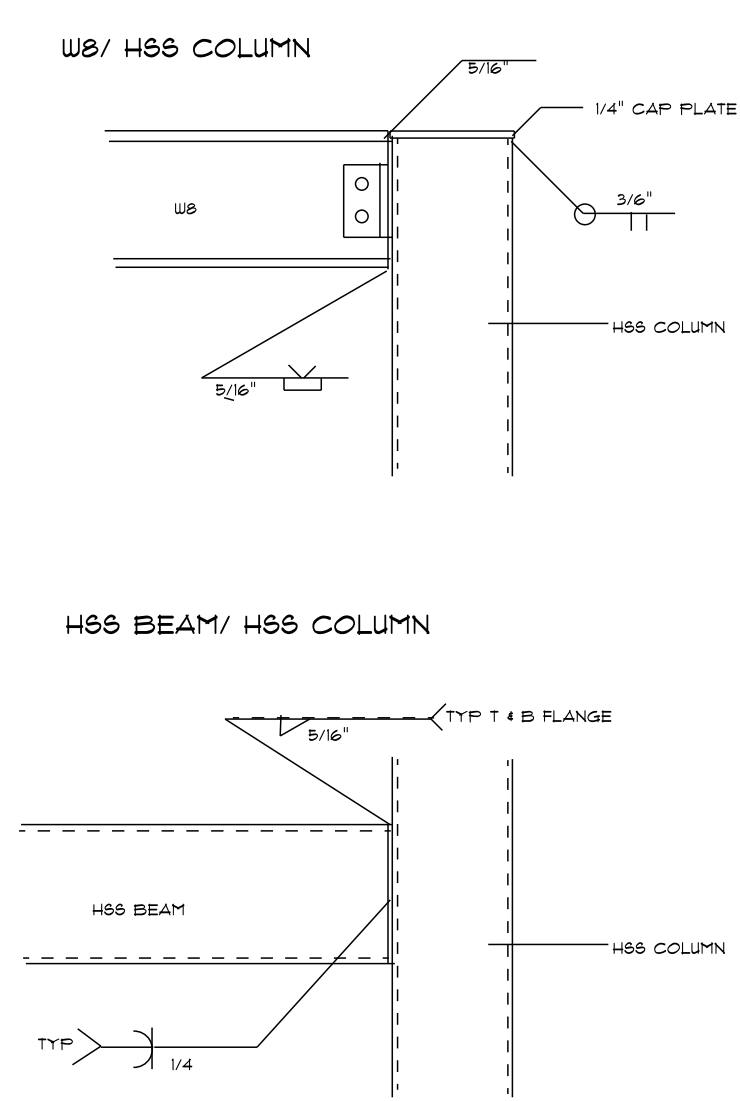
EXTENDED DECK SUPPORT SECTION

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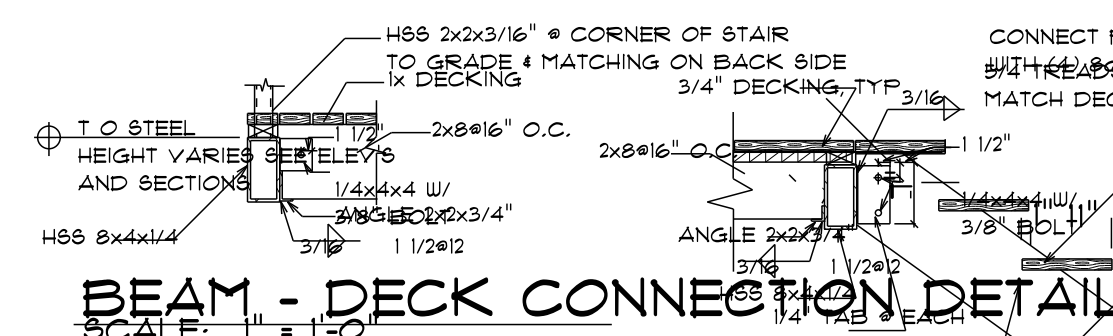


HIP PLAN

J



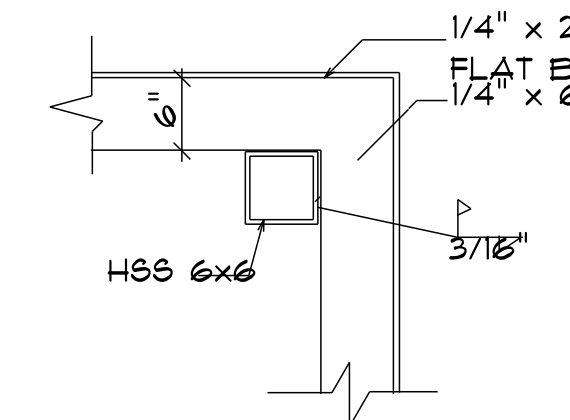
TYPICAL STEEL CONNECTIONS



BEAM - DECK CONNECTION DETAIL

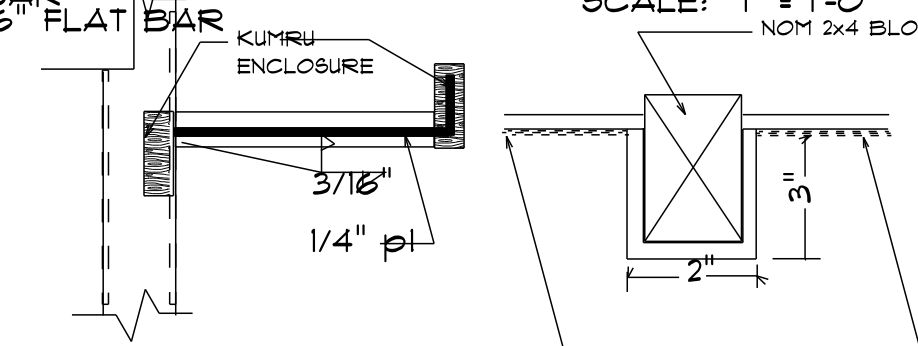
SCALE: 1\"/>

STAIR BEAM - TREAD DETAIL



SCALE: 1\"/>

STAIR POST DETAIL



SCALE: 1\"/>

PLATE DETAIL @ COLUMN DRINK RAIL

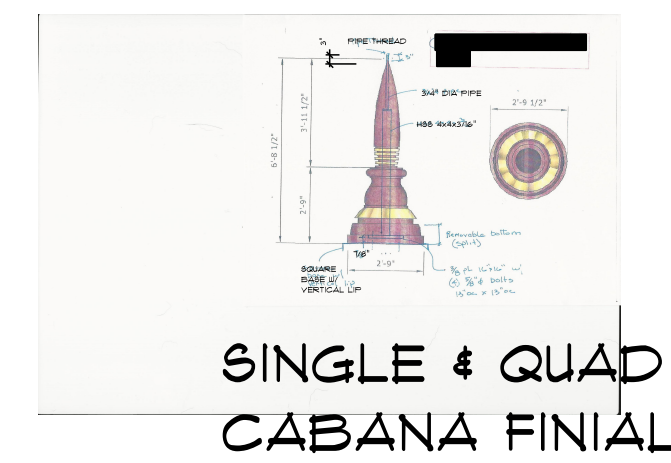
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BAMBOO MAT ADHERED & STAPLED TO 1/4\"/>

SCALE: 3\"/>

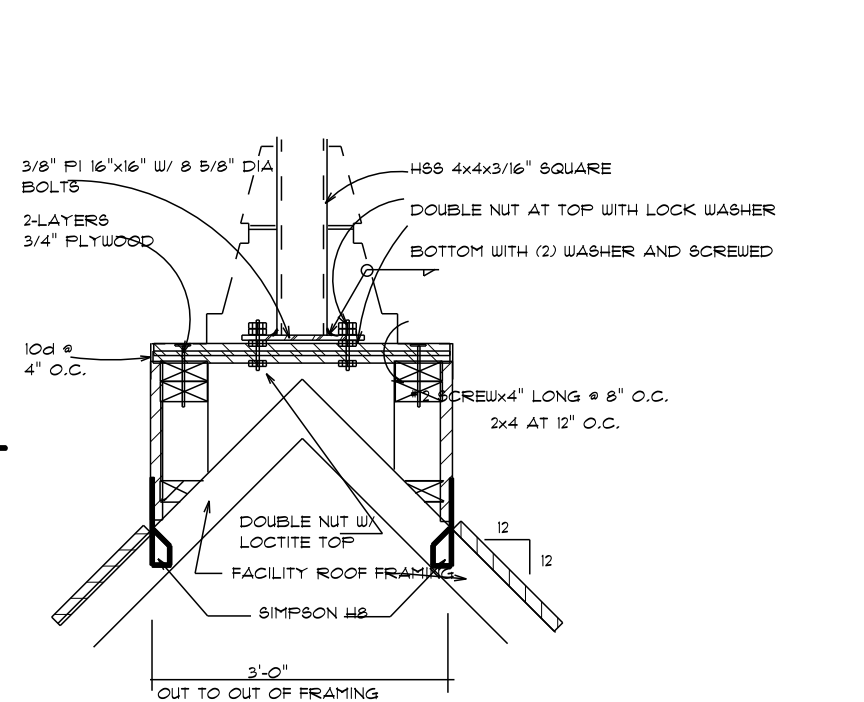
BRACING SCHEDULE:

BEAM	BRACING REQUIRED
GREATER THAN 20'	(1) PAIR AT 1/4 POINTS
10' TO 20'	(1) PAIR AT MID-POINT
LESS THAN 10'	NO BRACING REQUIRED



SINGLE & QUAD CABANA FINIAL

SCALE: 1\"/>



TOP ROOF DETAIL

SCALE: 1\"/>

EXTENDED DECORATIVE LOOKOUT EACH MEMBER



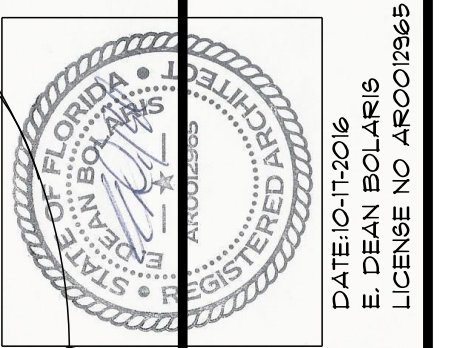
DECORATIVE LOOKOUT

SCALE: 1\"/>

RIDGE LOOKOUT SECTION

SCALE: 1\"/>

PLAN VIEW AT TYP RIDGE AT POST LOCATIONS



DATE: 11-10-16 CMT RESP
REVISION:
THE WILSTEN GROUP

SCALE: AS SHOWN
DRAWN BY: DB
APPROVED: DB

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UNIVERSAL CREATIVE
WATER PARK PROJECT 533
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S-1.0
STRUCTURAL DETAILS

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