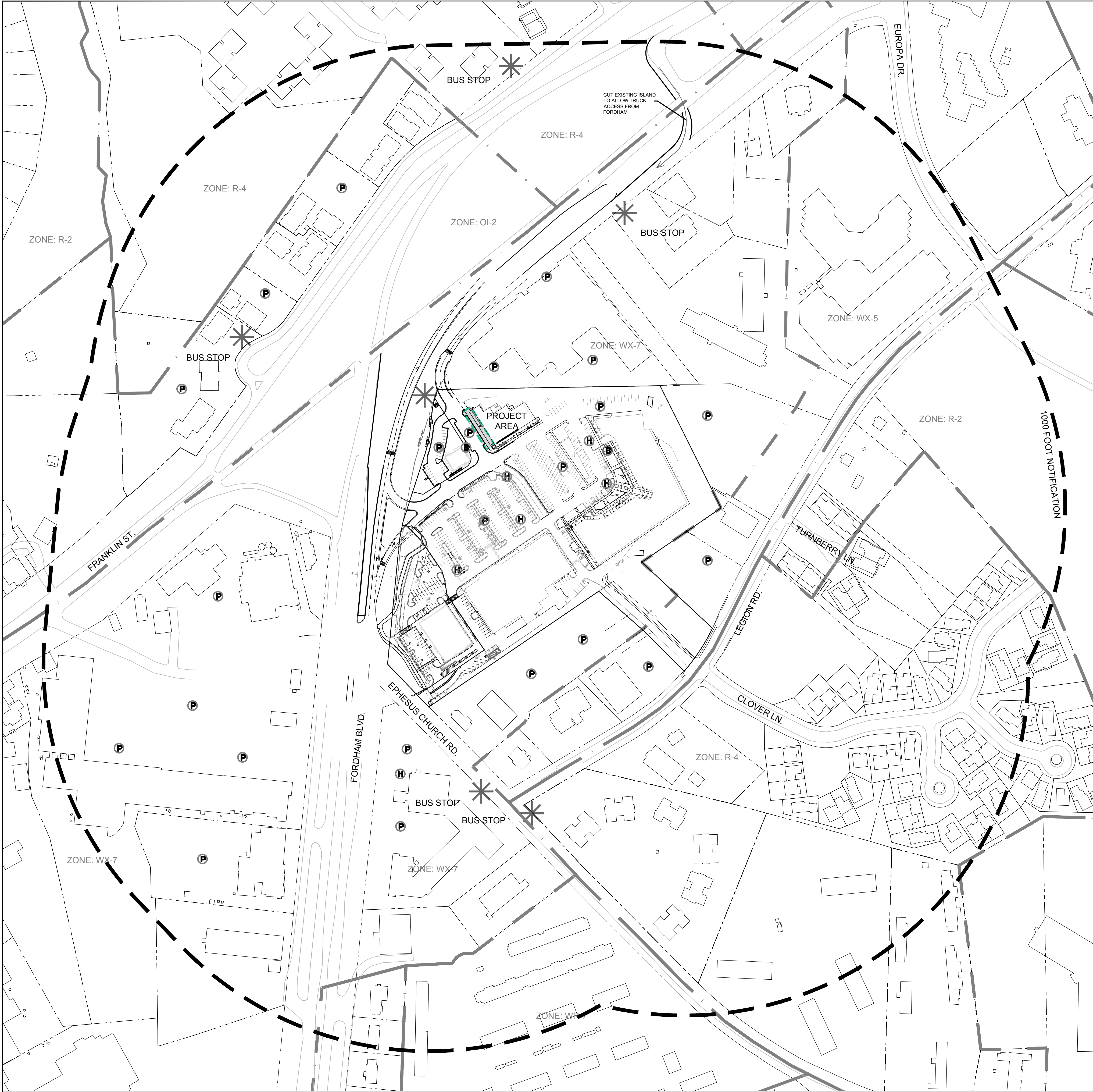




MONTERREY GRILL DECK

ADMINISTRATIVE ZCP

CONSULTANTS:

DESIGNER:
INFLUENCE BY DESIGN
PO BOX 6070
RALEIGH, NC 27628
PHONE: 919-624-9370
CONTACT: CARA PHILLIPS

LANDSCAPE ARCHITECT:
CJT, PA
111 WEST MAIN STREET
DURHAM, NC 27701
PHONE: 919-682-0368
CONTACT: WENDI RAMSDEN

STRUCTURAL ENGINEER:
KAYDOS-DANIELS ENGINEERS PLC
400-201 WEST MORGAN STREET
RALEIGH, NC 27603
PHONE: 919-828-4967
CONTACT: ANDREW WARNEK

PROJECT DATA

OWNER:A:	DRMTA LLC
PIN:B:	9899 36 6150
EXISTING USE:	PLAZA - RETAIL AND RESTAURANT
PROJECT AREA EXISTING USE:	RESTAURANT
PROPOSED USE:	UNCHANGED
PROPOSED BUILDING SIZE:	NO NEW SQUARE FOOTAGE PROPOSED
EXISTING ZONING:	WX-7
OVERALL SITE AREA	11.82 AC
EXISTING IMPERVIOUS SURFACE	WORK APPROVED IN 2014 DECREASED IMPERVIOUS ON SITE BY 75 SF
ADDITIONAL IMPERVIOUS THIS PROJECT:	23 SF
NET IMPERVIOUS CHANGE SINCE 2014:	-52 SF
ANTICIPATED LAND DISTURBANCE THIS PROJECT:	785 SF

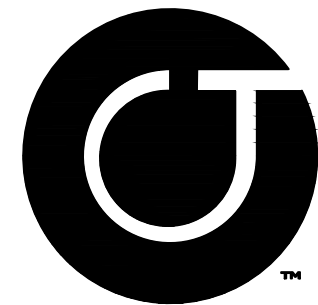
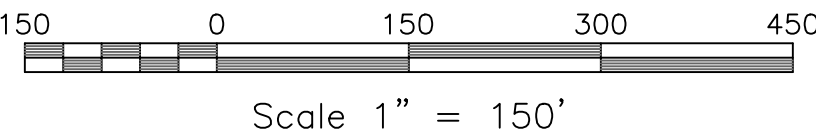
THERE IS NO MAPPED FLOODPLAIN OR FLOODWAY ON THE SITE
THERE IS NO MAPPED FLOODPLAIN WITHIN 300' OF THE PROJECT AREA

LIST OF SHEETS

C-0	COVER & AREA MAP
C-100	EXISTING CONDITIONS AND DEMOLITION PLAN
C-200	SITE PLAN
A 1.1	FLOOR PLAN AND RENDERINGS
A 2.1	ELEVATIONS AND DETAIL
S-001	STRUCTURAL - GENERAL NOTES AND TYPICAL DETAILS
S-100	STRUCTURAL - DECK FOUNDATION AND FRAMING PLAN

LEGEND	
	NOTIFICATION BOUNDARY
	ZONING DISTRICT BOUNDARY
	HISTORIC DISTRICT BOUNDARY
	CHAPEL HILL CORPORATE LIMITS
	PROPERTY LINE
	STREAM
	ADA PARKING
	VEHICULAR PARKING
	BICYCLE PARKING

AREA MAP
Scale: 1" = 150'



CJT P.A.

111 West Main Street
Durham, N.C. 27701
p 919.682.0368
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NC BOARD OF EXAMINERS FOR
ENGINEERS AND SURVEYORS
LIC # C-1209
NC BOARD OF LANDSCAPE
ARCHITECTS LIC # C-104

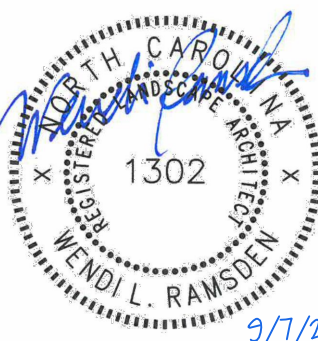
Project:

**Monterrey
Grill Deck**

Rams Plaza
1722 Fordham Blvd

Chapel Hill,
North Carolina

PIN:
9799366150



PRELIMINARY-DO NOT
USE FOR CONSTRUCTION

Job Number: 2240

Drawn	WLR, MTC
Checked	WLR
Date	6-8-2022 ZCP SUB #1
Revisions	9-7-2022 ZCP SUB #2

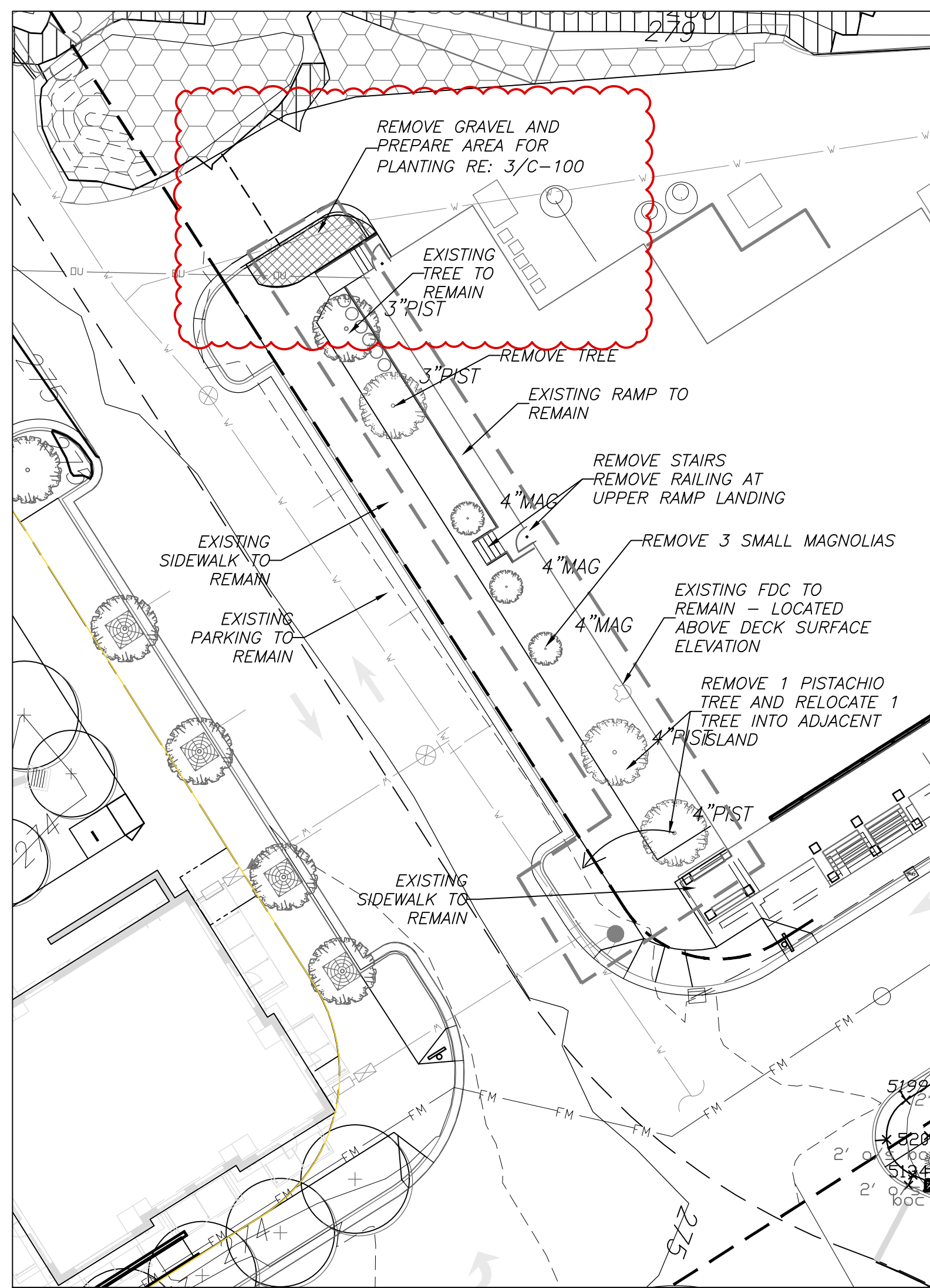
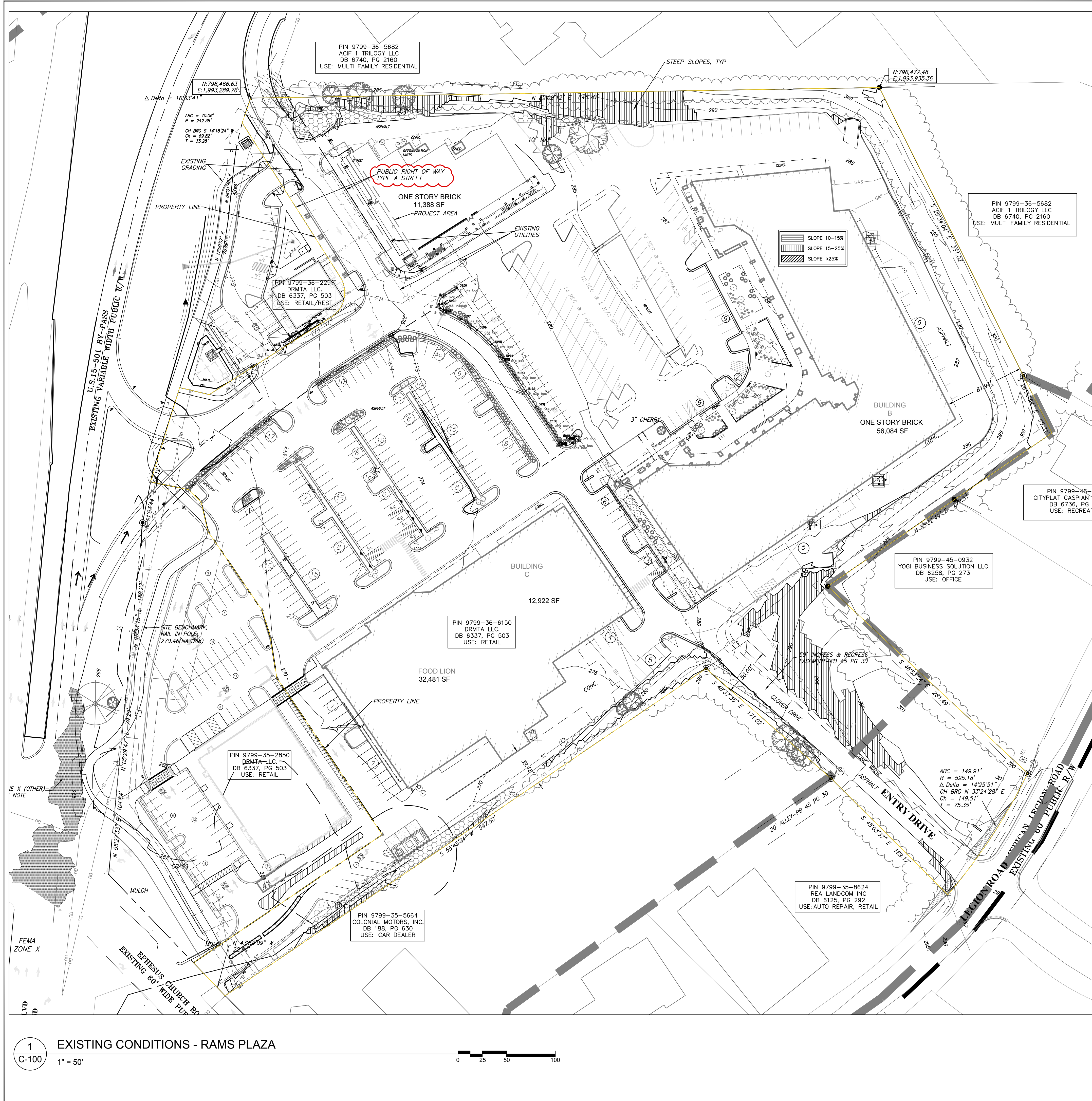
Administrative ZCP

Sheet Title:

**AREA
MAP**

Sheet Number

C-0



2
C-100
EXISTING CONDITIONS AND
DEMOLITION PLAN - PROJECT AREA
1" = 20'

- 3
C-100
CONVERSION OF GRAVEL AREA
TO PERVIOUS LANDSCAPE ISLAND
- A. REMOVE ALL IMPERVIOUS SURFACES FROM THE SUBJECT AREA.
 - B. TILL THE AREA TO A DEPTH OF 12" BELOW THE TOP OF COMPACTED SUBGRADE.
 - C. SUITABLE RATES AND TYPES OF SOIL AMENDMENTS SHALL BE DETERMINED THROUGH SOIL TESTS. LIMESTONE AND FERTILIZER SHALL BE APPLIED UNIFORMLY DURING SEEDBED PREPARATION AND MIXED WELL WITH THE TOP 4 TO 6 INCHES OF SOIL OR APPLIED AS RECOMMENDED IN THE PLANTING SPECIFICATIONS FOR PROPOSED LANDSCAPING.



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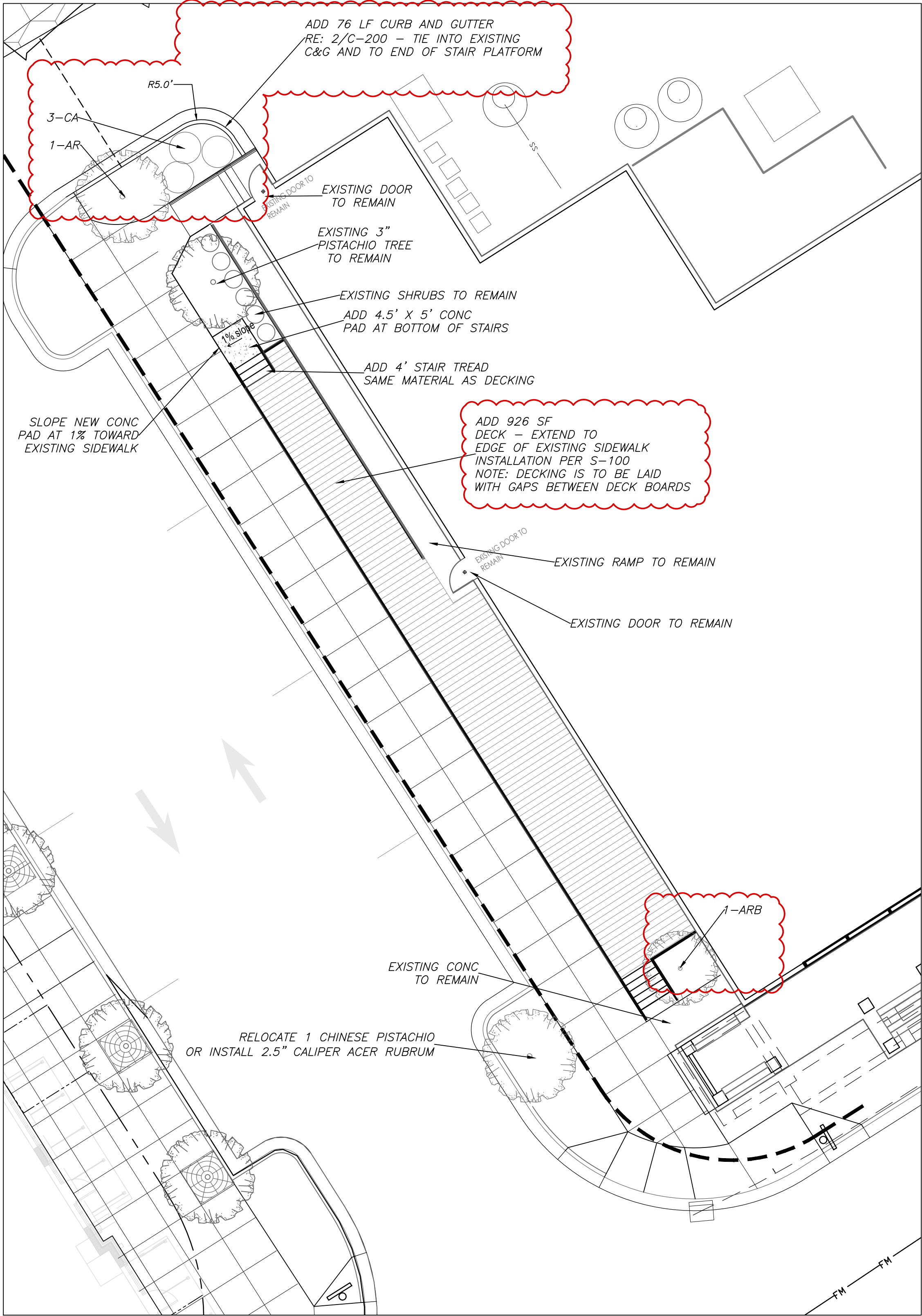
Administrative ZCP

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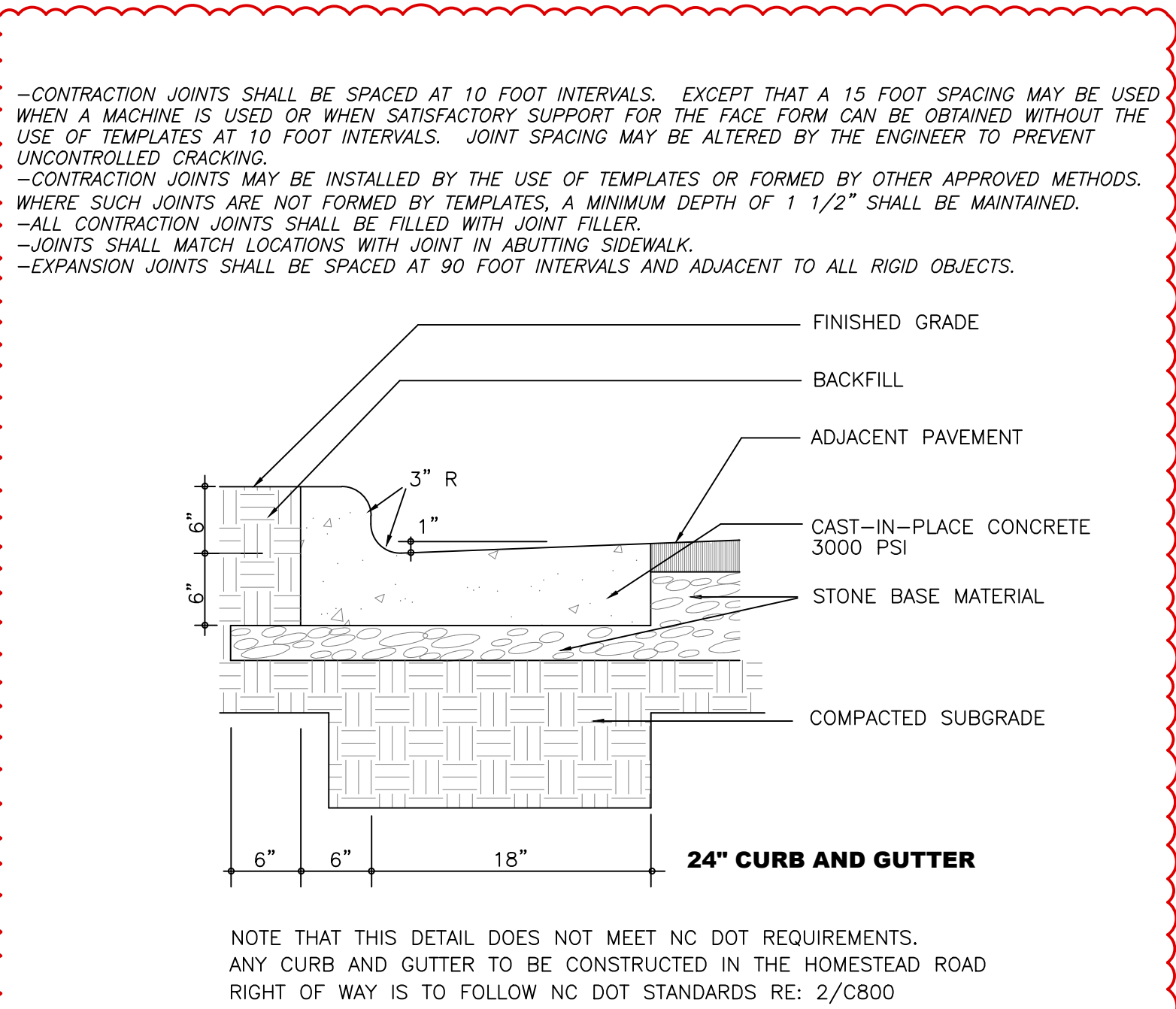
EXISTING
CONDITIONS
& DEMOLITION

Sheet Number

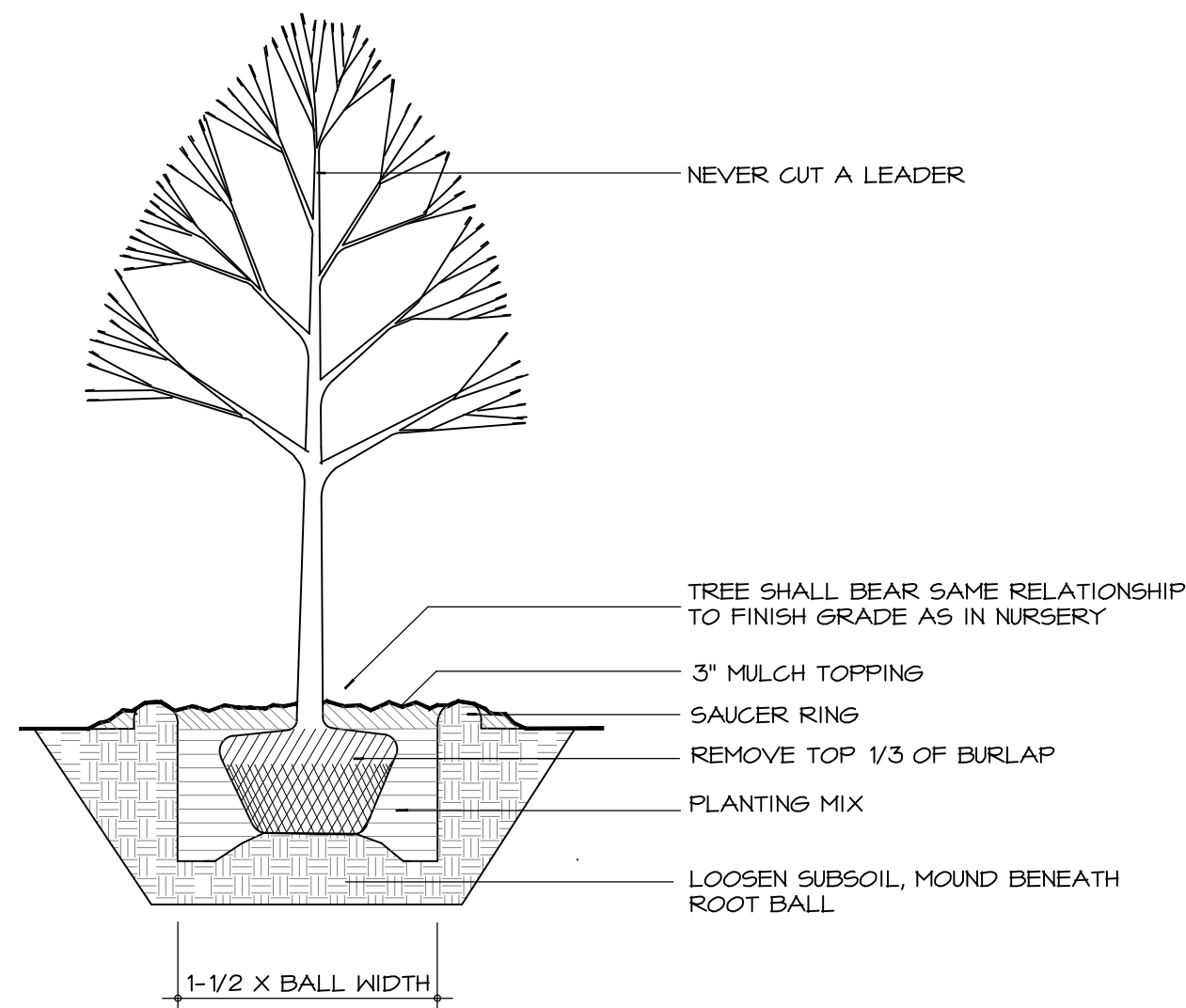
C-100



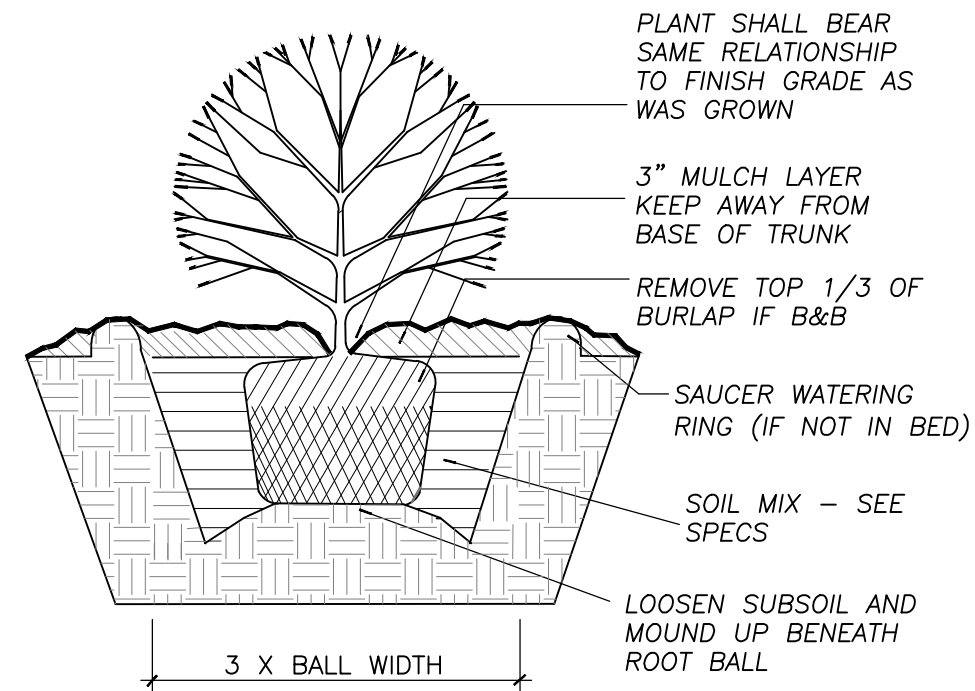
1 SITE PLAN
1" = 10'



2 CURB AND GUTTER DETAIL
NTS



4 TREE PLANTING DETAIL
NTS



5 SHRUB PLANTING DETAIL
NTS

QTY	SYMB	PLANT NAME		INSTALLATION SIZE	NOTES
1	AR	Acer rubrum	Red Maple	2.5" cal	full
1	ARB	Acer rubrum 'Bowhall'	Columnar Red Maple	2.5" cal	full
3	CA	Ceanothus americanus	New Jersey Tea	18" ht	full and matching

6 PLANT LIST
NTS

DISTURBANCE

- APPROX 25 SF TO SET CONCRETE AT THE BOTTOM OF THE NORTH DECK STAIRS
- APPROX 120 SF TO REMOVE 5 TREES AND REPLANT ONE IN THE ADJACENT ISLAND
- APPROX 300 SF TO REMOVE EXISTING SHRUBBERY AND STAIRS OFF RAMP
- APPROX 205 TO CONVERT GRAVEL TO LANDSCAPE ISLAND NORTH OF DECK
- APPROX 135 SF TO INSTALL DECK FOOTINGS

EXPECTED DISTURBANCE: 785 SF

IMPERVIOUS CHANGE

- THE PROJECT WILL ADD A CONCRETE PAD, 4.5' X 5' AT THE BOTTOM OF THE NEW STAIRS ON THE NORTH END OF THE NEW DECK, TO PROVIDE ACCESS FROM THE DECK TO THE EXISTING SIDEWALK

ADDITIONAL IMPERVIOUS: 23 SF

3 IMPERVIOUS AND DISTURBANCE CALCULATIONS
NTS

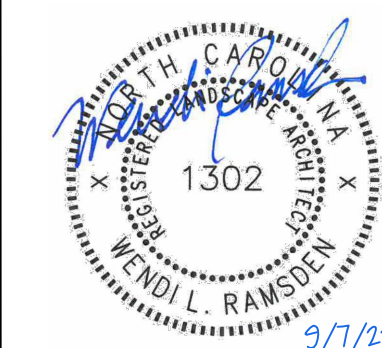
Project:

**Monterrey
Grill Deck**

Rams Plaza
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Chapel Hill,
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PRELIMINARY-DO NOT
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Checked WLR
Date 6-8-2022 ZCP SUB #1
Revisions 9-7-2022 ZCP SUB #2

Administrative ZCP

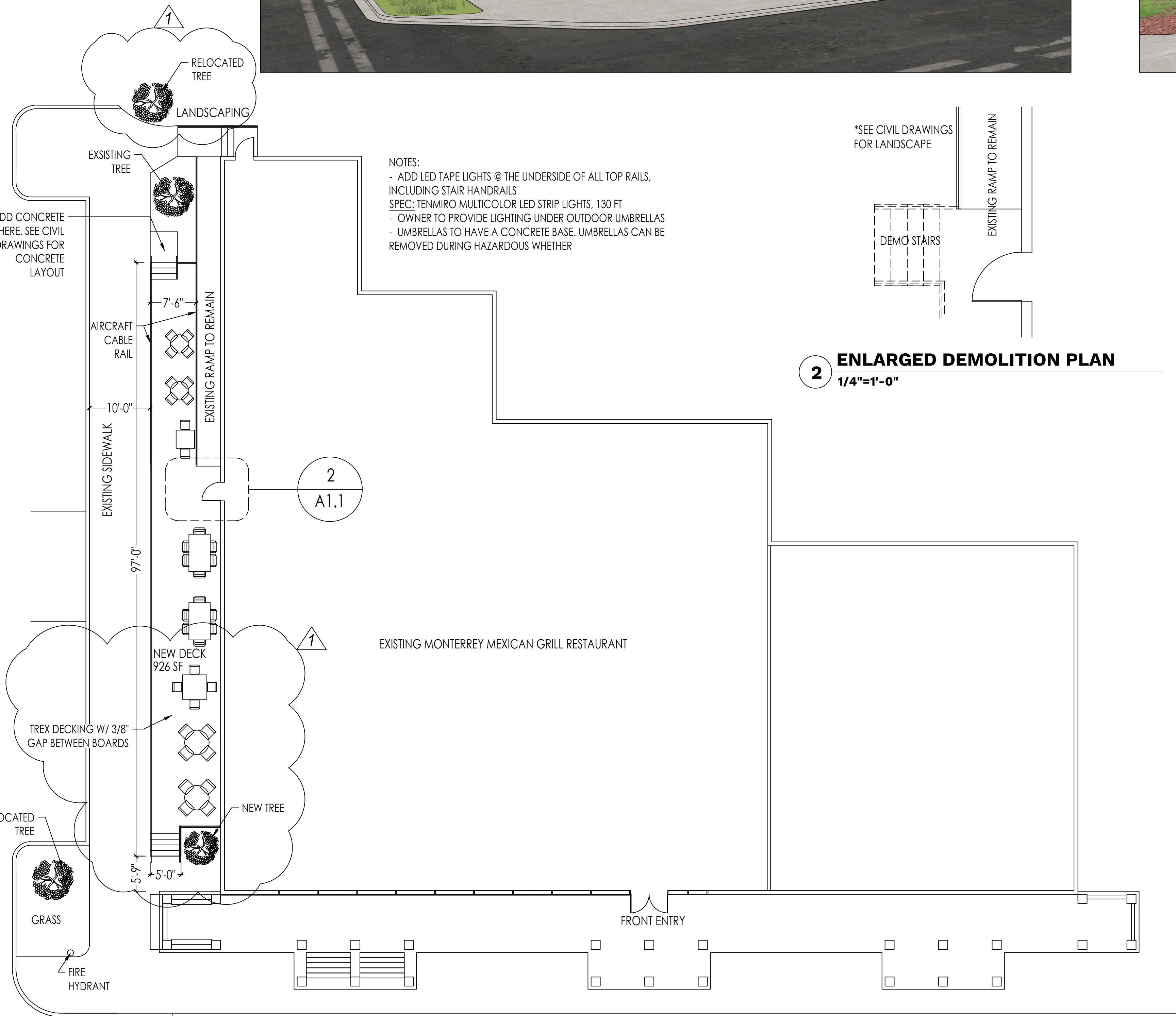
Sheet Title:

SITE PLAN

Sheet Number

C-200

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1 NEW FLOOR PLAN
3/32"=1'-0"



2 ENLARGED DEMOLITION PLAN
1/4"=1'-0"

influence
by DESIGN

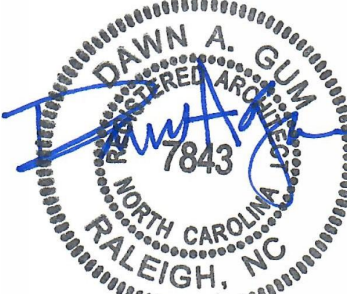
BLUHAUS DESIGN

ARCHITECT:
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DAWN GUM
919.624.1006

DESIGNER:
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CARA PHILLIPS, IIDA
919.624.9370
cara@influenceby.com

LANDSCAPE ARCHITECT:
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WENDI RAMSDEN, RLA
919.682.0368
wramden@cjtpa.com

CLIENT:
MONTERREY MEXICAN GRILL



9.2.2022

REVISIONS	DESCRIPTION	DATE
1	TOWN COMMENTS	9.2.22

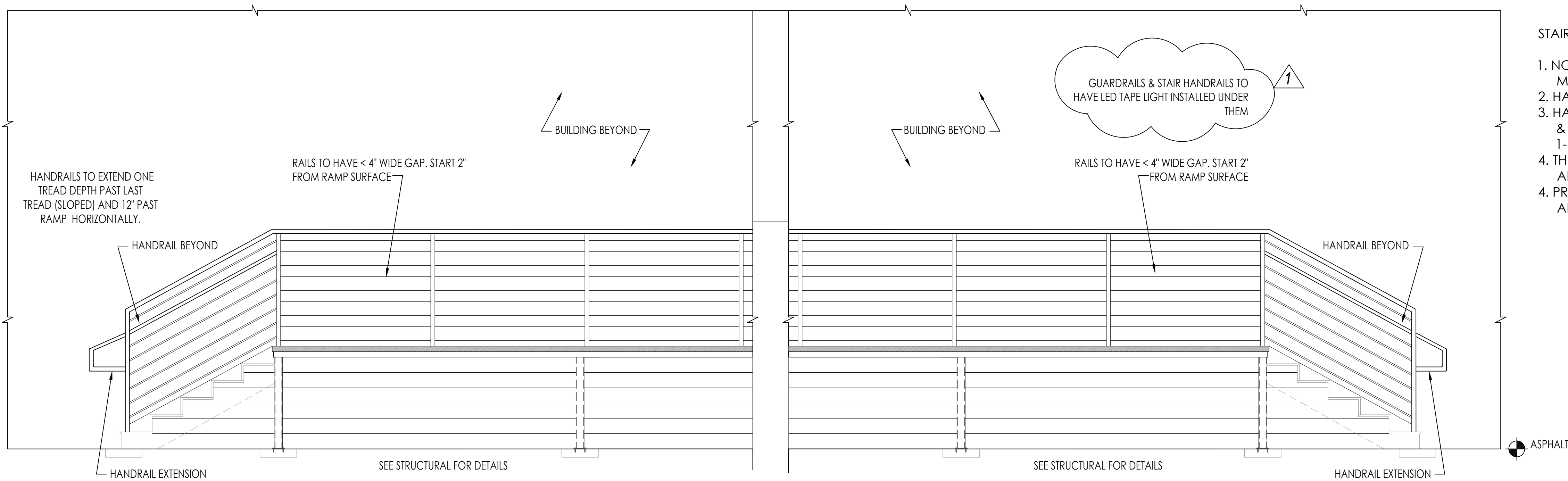
MONTERREY
MEXICAN GRILL

1722 FORDHAM BLVD,
CHAPEL HILL, NC 27514

FLOOR PLAN

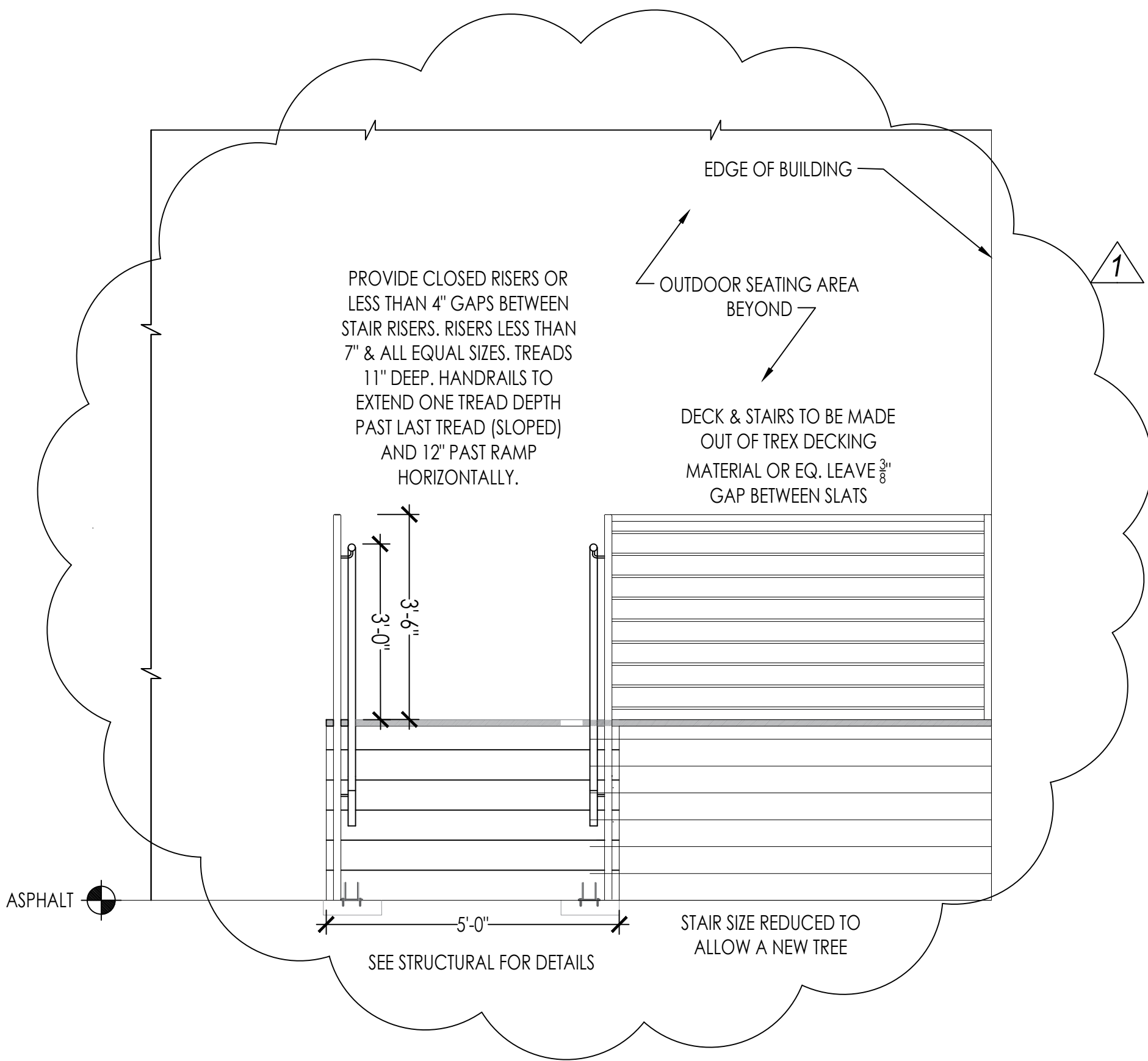
DATE: 08.22.22
SCALE: 3/32" = 1'-0"

A1.1

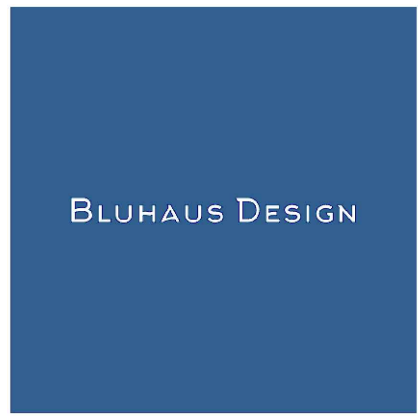
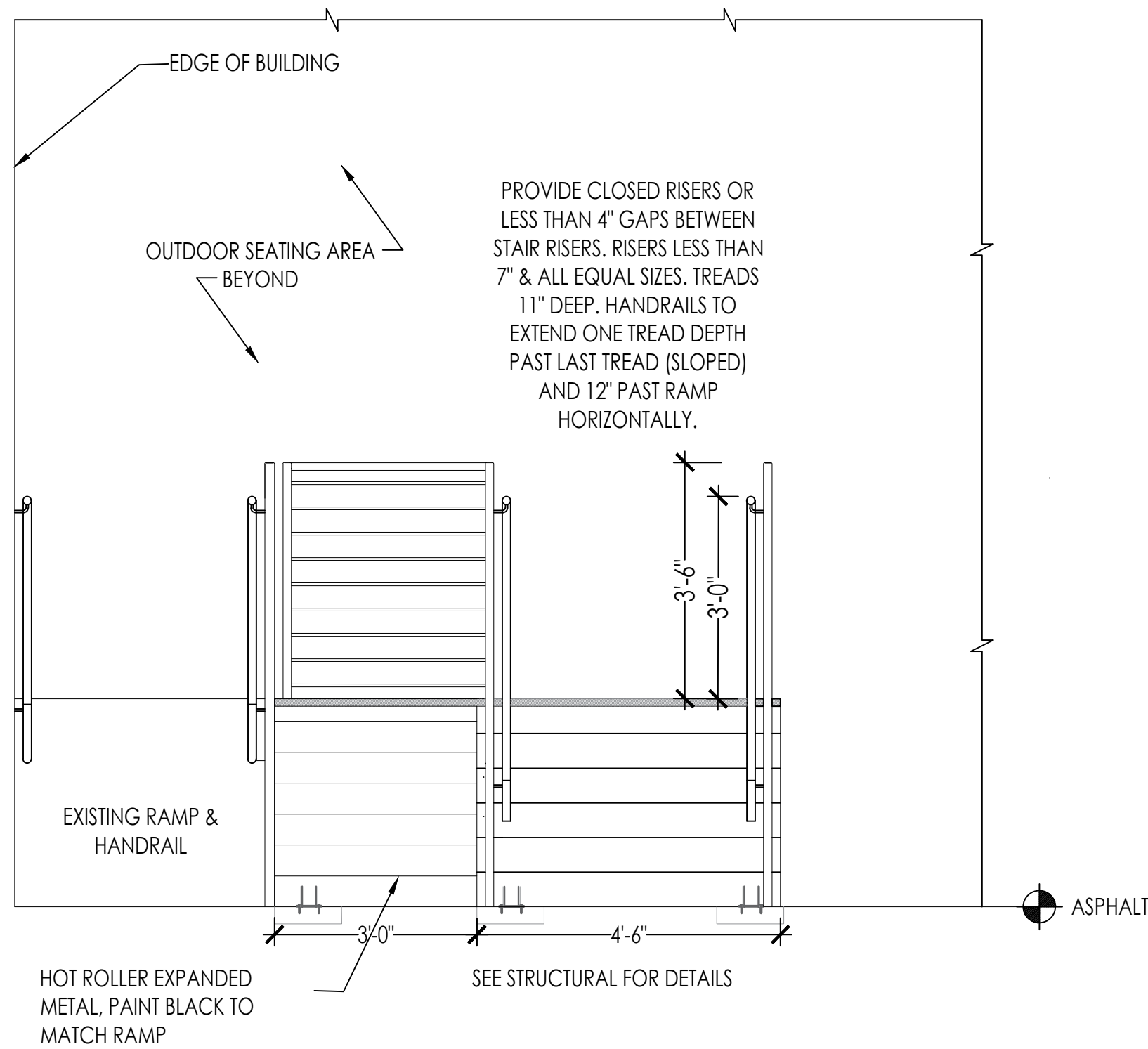


- STAIR CODE COMPLIANCE:
1. NOSING AT STAIR TO HAVE A RADIUS CURVATURE OF 1/2" MAX.
 2. HANDRAILS ON BOTH SIDES OF THE STAIRS
 3. HANDRAILS SHALL HAVE 1-1/2" BETWEEN GRIPPING SURFACE & ADJ. SURFACES AND BE CONTINUOUS. HANDRAILS TO BE 1-1/4" MIN - 2-1/4" ROUND TUBE PIPE.
 4. THE TOP OF THE GRIPPING SURFACE MUST BE BETWEEN 34" AND 38" ABOVE STAIR NOSING.
 4. PROVIDE 3'-6" MIN. HIGH GUARD @ STAIR 30" OR MOVE ABOVE GRADE.

1 DECK ELEVATION
1/2"=1'-0"



2 STAIRS ELEVATIONS
1/2"=1'-0"

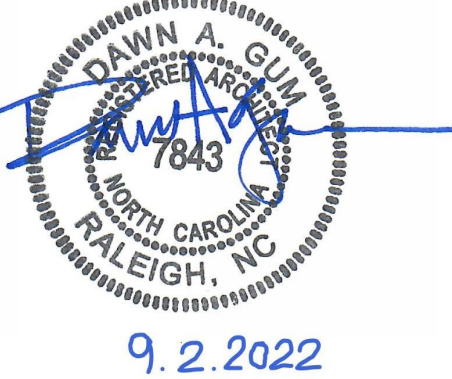


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919.682.0368
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CLIENT:
MONTERREY MEXICAN GRILL



REVISIONS	DESCRIPTION	DATE
1	TOWN COMMENTS	9.2.22

MONTERREY
MEXICAN GRILL

1722 FORDHAM BLVD,
CHAPEL HILL, NC 27514

ELEVATIONS
AND DETAILS

DATE: 05.09.22
SCALE: 1/2" = 1'-0"

STRUCTURAL NOTES

GENERAL CONSTRUCTION SPECIFICATIONS:

- THESE DRAWINGS ARE THE PROPERTY OF KAYDOS DANIELS ENGINEERS, PLLC FOR USE SOLELY FOR THIS PROJECT AND SHALL NOT BE REPRODUCED, COPIED OR USED FOR OTHER PURPOSES WITHOUT WRITTEN PERMISSION OF KAYDOS DANIELS ENGINEERS, PLLC.
- THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS ON THESE DRAWINGS IS THE STRUCTURAL ENGINEER OF RECORD FOR THIS PROJECT. THE STRUCTURAL ENGINEER OF RECORD BEARS THE RESPONSIBILITY OF THE PRIMARY STRUCTURAL SYSTEM AND THE PERFORMANCE OF THIS STRUCTURE. NO OTHER PARTY MAY REVISE, ALTER, OR DELETE THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN PERMISSION OF KAYDOS DANIELS ENGINEERS, PLLC OR THE STRUCTURAL ENGINEER OF RECORD. FOR THE PURPOSES OF THESE CONSTRUCTION DOCUMENTS THE STRUCTURAL ENGINEER OF RECORD AND KAYDOS DANIELS ENGINEERS, PLLC SHALL BE CONSIDERED THE SAME ENTITY.
- THIS STRUCTURE IS ONLY STABLE IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY BRACING DURING CONSTRUCTION TO STABILIZE THE STRUCTURE. TEMPORARY SHORING AND BRACING METHODS ARE NOT THE RESPONSIBILITY OF KAYDOS DANIELS ENGINEERS, PLLC AND ARE BEYOND THE SCOPE OF THESE DRAWINGS.
- THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR CONSTRUCTION SEQUENCES, METHODS, OR TECHNIQUES IN CONNECTION WITH THE CONSTRUCTION OF THIS STRUCTURE. THE SER WILL NOT BE HELD RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONSTRUCTION DOCUMENTS, SHOULD ANY NON-CONFORMITIES OCCUR.
- ANY STRUCTURAL ELEMENTS OR DETAILS NOT FULLY DEVELOPED ON THE CONSTRUCTION DRAWINGS SHALL BE COMPLETED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THESE SHOP DRAWINGS SHALL BE SUBMITTED TO KAYDOS DANIELS ENGINEERS, PLLC FOR REVIEW BEFORE ANY CONSTRUCTION BEGINS. SEE THE "SUBMITTALS" SECTION OF THESE SPECIFICATIONS.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND CIVIL DRAWINGS. THIS COORDINATION IS NOT THE RESPONSIBILITY OF THE SER. SHOULD ANY DISCREPANCIES BECOME APPARENT THE CONTRACTOR SHALL NOTIFY KAYDOS DANIELS ENGINEERS, PLLC BEFORE ANY CONSTRUCTION BEGINS.
- VERIFICATION OF ASSUMED FIELD CONDITIONS IS NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR SHALL VERIFY THE FIELD CONDITIONS FOR ACCURACY AND REPORT ANY DISCREPANCIES TO KAYDOS DANIELS ENGINEERS, PLLC BEFORE CONSTRUCTION BEGINS.
- THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY SECONDARY STRUCTURAL ELEMENTS OR NON-STRUCTURAL ELEMENTS, EXCEPT FOR THE ELEMENTS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS.
- THIS STRUCTURE AND ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE SECTIONS OF THE NORTH CAROLINA STATE BUILDING CODE AND ANY LOCAL LAWS WHERE THE STRUCTURE IS TO BE CONSTRUCTED.

DESIGN CRITERIA

- BUILDING CODE.....2018 NC STATE EXISTING BUILDING CODE
- BUILDING CLASSIFICATION CATEGORY (TABLE 1604.5)..... II
- DESIGN LIVE LOADS:
 - ROOF..... 20 PSF
 - OFFICE PRIVATE DECK (SAME AS OCCUPANCY SERVED) 50 PSF
- SUPERIMPOSED DEAD LOADS:
 - ROOF..... 20 PSF
- SNOW (ASCE 7-10)
 - GROUND SNOW LOAD..... 10 PSF
 - FLAT ROOF SNOW LOAD..... 15 PSF
 - SNOW EXPOSURE FACTOR, C_e 1.0
 - IMPORTANCE FACTOR, I_s 1.0
 - THERMAL FACTOR, C_t 1.0
- WIND (ASCE 7-10)
 - ULTIMATE WIND SPEED..... 115 MPH
 - NOMINAL WIND SPEED..... 93 MPH
 - WIND EXPOSURE CATEGORY..... B
 - INTERNAL PRESSURE COEFFICIENT..... +/- 0.18
 - ROOF COMPONENTS AND CLADDING (NOMINAL)..... +/- 25 PSF
 - WALL COMPONENTS AND CLADDING(NOMINAL)..... +/- 20 PSF
 - ROOF OVERHANG(NOMINAL)..... +/- 30 PSF
 - WIND BASE SHEAR.....EXISTING BUILDING
- SEISMIC (ASCE 7-10)
 - IMPORTANCE FACTOR, I_e 1.00
 - MAPPED SPECTRAL RESPONSE ACCELERATION, S_s 0.224 G
 - ONE SECOND PERIOD SPECTRAL RESPONSE COEFFICIENT, S_1 0.099 G
 - SITE CLASS..... D
 - SHORT PERIOD SPECTRAL RESPONSE COEFFICIENT, S_{ds} 0.239 G
 - ONE SECOND PERIOD SPECTRAL RESPONSE COEFFICIENT, S_{d1} 0.158 G
 - SEISMIC DESIGN CATEGORY..... C
 - BASIC SEISMIC FORCE RESISTING SYSTEM.....EXISTING BUILDING

SUBMITTALS:

- SHOP DRAWINGS AND SUBMITTALS SHALL BE SUBMITTED TO KAYDOS DANIELS ENGINEERS, PLLC FOR REVIEW BEFORE ANY CONSTRUCTION BEGINS. THESE SUBMITTALS WILL BE REVIEWED FOR OVERALL COMPLIANCE AS IT RELATES TO THE STRUCTURAL DESIGN OF THIS PROJECT. VERIFICATION OF THE SHOP DRAWINGS FOR DIMENSIONS, OR FOR ACTUAL FIELD CONDITIONS IS NOT THE RESPONSIBILITY OF THE KAYDOS DANIELS ENGINEERS, PLLC.
- ALLOW ENOUGH TIME FOR SUBMITTAL REVIEW, INCLUDING TIME FOR RESUBMITTALS. TIME FOR REVIEW SHALL COMMENCE ON KAYDOS DANIELS ENGINEERS PLLC RECEIPT OF SUBMITTAL. ALLOW 15 DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL AND 15 DAYS FOR REVIEW OF EACH RESUBMITTAL.
- HIGHLIGHT, ENCIRCLE, OR OTHERWISE SPECIFICALLY IDENTIFY DEVIATIONS FROM THE CONTRACT DOCUMENTS ON SUBMITTALS.
- REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK OF THE CONTRACT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. NOTE CORRECTIONS AND FIELD DIMENSIONS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO KAYDOS DANIELS ENGINEERS, PLLC. STAMP SHALL INCLUDE NAME OF REVIEWER, DATE OF CONTRACTOR'S APPROVAL, AND STATEMENT CERTIFYING THAT SUBMITTAL HAS BEEN REVIEWED, CHECKED, AND APPROVED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- WHERE PROFESSIONAL DESIGN SERVICES OR CERTIFICATIONS BY A DESIGN PROFESSIONAL ARE SPECIFICALLY REQUIRED OF CONTRACTOR BY THE CONTRACT DOCUMENTS, PROVIDE PRODUCTS AND SYSTEMS COMPLYING WITH SPECIFIC PERFORMANCE AND DESIGN CRITERIA INDICATED. IN ADDITION, SUBMIT COPIES OF A STATEMENT, SIGNED AND SEALED BY THE RESPONSIBLE DESIGN PROFESSIONAL, FOR EACH PRODUCT AND SYSTEM SPECIFICALLY ASSIGNED TO CONTRACTOR TO BE DESIGNED OR CERTIFIED BY A DESIGN PROFESSIONAL.

- CONSTRUCTION ADMINISTRATION SERVICES ARE INCLUDED IN THE SCOPE OF SERVICES PROVIDED BY KAYDOS DANIELS ENGINEERS, PLLC ON AN HOURLY BASIS. HOWEVER, IT IS POSSIBLE THAT SOME SUBMITTALS MAY BE RECOMMENDED BUT ARE NOT INCLUDED IN THE SCOPE OF SERVICES PROVIDED BY KAYDOS DANIELS ENGINEERS, PLLC. THE ARCHITECT, OWNER, OR CONTRACTOR MAY ARRANGE FOR THESE SERVICES TO BE PROVIDED BY KAYDOS DANIELS ENGINEERS, PLLC. OR A 3rd PARTY MAY PROVIDE THESE SERVICES WITH PRIOR APPROVAL FROM KAYDOS DANIELS ENGINEERS, PLLC. THE FOLLOWING SUBMITTALS ARE RECOMMENDED FOR THIS PROJECT.
 - CAST-IN-PLACE CONCRETE
 - IN ADDITION TO THE FOLLOWING, COMPLY WITH SUBMITTAL REQUIREMENTS IN ACI 301
 - PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED
 - DESIGN MIXTURES: FOR EACH CONCRETE MIXTURE
 - REBAR SHOP DRAWINGS
 - SHOP DRAWINGS FOR THE DESIGN, ERECTION AND REMOVAL OF FORMWORK, SHORES AND RESHORES PREPARED BY OR UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. SHOP DRAWINGS, INCLUDE STRUCTURAL ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION. COMPLY WITH REQUIREMENTS IN "ACI MANUAL OF CONCRETE PRACTICE".
 - STRUCTURAL STEEL
 - PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED
 - SHOP DRAWINGS: SHOW FABRICATION OF STRUCTURAL-STEEL COMPONENTS
 - WELDING CERTIFICATES
 - FOR STRUCTURAL-STEEL CONNECTIONS INDICATED TO COMPLY WITH DESIGN LOADS, INCLUDE STRUCTURAL ANALYSIS DATA PREPARED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION
 - STEEL JOISTS
 - PRODUCT DATA: FOR EACH TYPE OF JOIST, ACCESSORY, AND PRODUCT INDICATED
 - SHOP DRAWINGS
 - WELDING CERTIFICATES
 - UNIT MASONRY ASSEMBLIES
 - PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED
 - COLD-FORMED METAL FRAMING
 - PRODUCT DATA: FOR EACH TYPE OF COLD-FORMED METAL FRAMING PRODUCT AND ACCESSORY INDICATED
 - SHOP DRAWINGS, INCLUDE STRUCTURAL ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.
 - SHOP DRAWINGS FOR TRUSSES PREPARED BY OR UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. SHOW FABRICATION AND INSTALLATION DETAILS FOR TRUSSES, INCLUDING LOCATION, PITCH, SPAN, CAMBER, CONFIGURATION, SPACING, AND SPLICE DETAILS AND BEARING DETAILS FOR EACH TYPE OF TRUSS REQUIRED. ALSO, INDICATE LOCATIONS OF PERMANENT BRACING REQUIRED TO PREVENT BUCKLING OF INDIVIDUAL TRUSS MEMBERS DUE TO DESIGN LOADS.
 - PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED
 - ALUMINUM CANOPIES
 - PRODUCT DATA: FOR EACH TYPE OF CANOPY FRAMING PRODUCT AND ACCESSORY INDICATED
 - SHOP DRAWINGS, INCLUDE STRUCTURAL ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.
 - SHOP DRAWINGS FOR CANOPIES PREPARED BY OR UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. SHOW FABRICATION AND INSTALLATION DETAILS FOR CANOPIES, INCLUDING LOCATION, PITCH, SPAN, CAMBER, CONFIGURATION, SPACING, AND SPLICE DETAILS AND BEARING DETAILS FOR EACH TYPE OF CANOPY REQUIRED. ALSO, INDICATE LOCATIONS OF PERMANENT BRACING REQUIRED TO PREVENT BUCKLING OF INDIVIDUAL CANOPY MEMBERS DUE TO DESIGN LOADS.

FOUNDATIONS:

- THE SCOPE OF SERVICES FOR THIS PROJECT PROVIDED BY KAYDOS DANIELS ENGINEERS, PLLC BEGINS FROM THE BOTTOM OF THE FOUNDATION ELEMENTS. SUBSURFACE INVESTIGATIONS ARE BEYOND THE SCOPE OF THE STRUCTURAL SERVICES PROVIDED. THE FOUNDATION SYSTEM SHOWN ON THESE DRAWINGS ARE BASED THE SOIL PROPERTIES LISTED BELOW AND SHALL BE CONFIRMED PRIOR TO CONSTRUCTION BY A GEOTECHNICAL ENGINEER. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, OWNER OR OWNER'S AGENT TO CONTACT KAYDOS DANIELS ENGINEERS, PLLC IF ANY ADVERSE SOIL CONDITIONS ARE ENCOUNTERED DURING CONSTRUCTION.

1.1	NET ALLOWABLE SOIL BEARING PRESSURE.....	2000 PSF
1.2	SUBGRADE (UNFILL) (K).....	150 PCI
1.3	ULTIMATE FRICTION COEFFICIENT BETWEEN CONCRETE FOUNDATIONS AND SOIL.....	0.35
1.4	UNIT WEIGHT OF SOIL.....	125 PCF
1.5	ACTIVE LATERAL EARTH PRESSURE, K_a	.42 PSF/FT
1.6	PASSIVE LATERAL EARTH PRESSURE, K_p	.375 PSF/FT
1.7	MINIMUM INTERNAL ANGLE OF FRICTION.....	.30°
- THE BOTTOM OF ALL FOOTINGS SHALL EXTEND BELOW THE FROST LINE FOR THE REGION IN WHICH THE STRUCTURE IS TO BE CONSTRUCTED. HOWEVER, THE TOP OF FOOTING SHALL BE A MINIMUM OF 12" BELOW GRADE.
- EXCAVATE TO INDICATED ELEVATIONS AND DIMENSIONS WITHIN A TOLERANCE OF PLUS OR MINUS 1 INCH. IF APPLICABLE, EXTEND EXCAVATIONS A SUFFICIENT DISTANCE FROM STRUCTURES FOR PLACING AND REMOVING CONCRETE FORMWORK, FOR INSTALLING SERVICES AND OTHER CONSTRUCTION, AND FOR INSPECTIONS. DO NOT DISTURB BOTTOM OF EXCAVATION. EXCAVATE BY HAND TO FINAL GRADE JUST BEFORE PLACING CONCRETE REINFORCEMENT. TRIM BOTTOMS TO REQUIRED LINES AND GRADES TO LEAVE SOLID BASE TO RECEIVE OTHER WORK.
- ANY FILL SHALL BE PLACED UNDER THE DIRECTION OR RECOMMENDATION OF A LICENSED PROFESSIONAL ENGINEER USING SUITABLE SOILS OR ENGINEERED FILL. PLOW, SCARIFY, BENCH, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING MATERIAL. PLACE BACKFILL AND FILL SOIL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. COMPACT TO MATERIALS TO NOT LESS THAN 95% OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 998. UNLESS A HIGHER PERCENTAGE IS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. UNDER SLABS ON GRADE AND STEPS, SCARIFY AND RECOMPACT TOP 12" OF EXISTING SUBGRADE AND EACH LAYER OF BACKFILL OR FILL SOIL MATERIAL AT 98%.
- IT IS STRONGLY RECOMMENDED THAT A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY, INSPECT AND TEST SUBGRADES AND EACH FILL OR BACKFILL LAYER AND AT FT FOOTING SUBGRADES PERFORM TESTING TO VERIFY DESIGN BEARING CAPACITIES.
- EXCAVATION FOR FOOTINGS SHALL BE LINED TEMPORARY WITH A 6 MIL POLYETHYLENE IF PLACEMENT OF CONCRETE DOES NOT OCCUR WITHIN 24 HOURS OF EXCAVATION.
- NO CONCRETE SHALL BE POURED AGAINST ANY SUBGRADE CONTAINING WATER, ICE, FROST, OR LOOSE MATERIAL.

CONCRETE:

- CONCRETE SHALL BE PROPORTIONED, MIXED, PLACED, AND TESTED IN ACCORDANCE WITH THE ACI MANUAL OF CONCRETE PRACTICE INCLUDING BUT NOT LIMITED TO ACI 318-08 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ACI 301-10 "SPECIFICATION FOR STRUCTURAL CONCRETE". COMPLY WITH ACI 117-10 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS".
- STEEL REINFORCEMENT SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
 - REINFORCING BARS.....ASTM A615, GRADE 60, DEFORMED
 - PLAIN-STEEL WIRE.....ASTM A82, AS DRAWN
 - EPOXY COATED BARS.....ASTM A775
 - PLAIN-STEEL WELDED WIRE REINFORCEMENT.....ASTM A185, FABRICATED FROM AS-DRAWN STEEL WIRE INTO FLAT SHEETS
- CONCRETE SHALL HAVE A UNIT WEIGHT OF 145 PCF. CONCRETE MATERIALS SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:

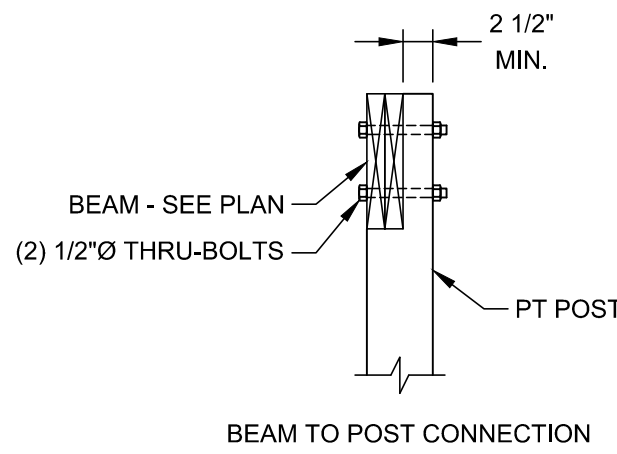
3.1	PORTLAND CEMENT	ASTM C150, TYPE I OR TYPE II
3.1.1	FLY ASH	ASTM C618, CLASS F
3.2	BLENDED HYDRAULIC CEMENT	ASTM C595, TYPE I (PM)
3.3	NORMAL-WEIGHT AGGREGATE	POZZOLAN-MODIFIED PORTLAND ASTM C33, GRADED, 1-1/2" NOMINAL MAXIMUM AGGREGATE SIZE POTABLE
3.4	WATER	
- NO ADMIXTURES SHALL BE ADDED TO ANY STRUCTURAL CONCRETE WITHOUT WRITTEN PERMISSION OF KAYDOS DANIELS ENGINEERS, PLLC. ALL PROPOSED ADMIXTURES SHALL BE SUBMITTED TO KAYDOS DANIELS ENGINEERS, PLLC WITH THE PROPOSED MIX DESIGNS AND SHALL INCLUDE CERTIFICATION FROM THE MANUFACTURER THAT THE ADMIXTURE IS COMPATIBLE WITH OTHER ADMIXTURES AND NOT CONTRIBUTE WATER-SOLUBLE CHLORIDE IONS EXCEEDING THOSE PERMITTED IN HARDENED CONCRETE. DO NOT USE CALCIUM CHLORIDE OR ANY ADMIXTURE CONTAINING CALCIUM CHLORIDE.
- NORMAL-WEIGHT CONCRETE MIXTURES SHALL HAVE FOLLOWING PROPERTIES.

ELEMENT	MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS	MAXIMUM SPLIT TENSILE LIMIT	AIR CONTENT +1 1/2%
5.1	FOOTINGS	3000 PSI	4"
5.2	SLABS-ON GRADE	4000 PSI	4"
5.3	EXTERIOR SLABS	4000 PSI	4"

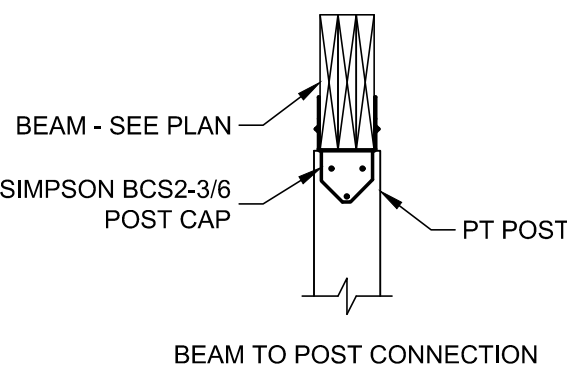
- MAXIMUM WATER-CEMENT RATIO SHALL BE BASED ON BASIS OF STRENGTH, WORKABILITY, AND FINISHING NEEDS. EXCEPT AS NOTED BELOW:
 - CONCRETE EXPOSED TO FREEZING AND THAWING, SUCH AS CURBS, GUTTERS, EXTERIOR SLABS, TURNED DOWN SLAB FOUNDATIONS, ETC. SHALL HAVE A MAXIMUM WATER-CEMENT RATIO OF 0.45.
- COMPLY WITH CRSIS "MANUAL OF STANDARD PRACTICE" FOR FABRICATING, PLACING AND SUPPORTING REINFORCEMENT.
- SPLICE REINFORCEMENT AS DETAILED OR AUTHORIZED BY KAYDOS DANIELS ENGINEERS, PLLC. MAKE BARS CONTINUOUS AROUND CORNER. SPLICES SHALL BE MADE BY CONTACT TENSION LAP SPLICES, UNLESS OTHERWISE NOTED.
- PLACING SLEEVES THROUGH CONCRETE ELEMENTS IS NOT PERMITTED UNLESS SHOWN ON THE DRAWINGS, ON APPROVED SLEEVING SHOP DRAWINGS, OR AS AUTHORIZED BY KAYDOS DANIELS ENGINEERS, PLLC IN WRITING.
- WELDING OF REINFORCING IS NOT PERMITTED UNLESS SPECIFICALLY CALLED FOR OR APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
- FIELD BENDING OF REINFORCING PARTIALLY EMBEDDED IN THE CONCRETE IS NOT PERMITTED UNLESS OTHERWISE SHOWN OR APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
- LOCATING JOINTS IN HORIZONTAL PLANE OF FOUNDATIONS, PILE CAPS, DRILLED PIERS, SLABS, BEAMS, GIRDERS AND JOISTS IS NOT PERMITTED UNLESS OTHERWISE NOTES OR APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
- CHAMFER EXPOSED CONCRETE CORNERS 3/4" x 3/4" MINIMUM, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS.
- COMPLY WITH ACI 301 FOR MEASURING, BATCHING, MIXING, TRANSPORTING, AND PLACING CONCRETE. BEFORE TEST SAMPLING AND PLACING CONCRETE, WATER MAY BE ADDED AT THE PROJECT SITE, SUBJECT TO LIMITATIONS OF ACI 301.
- SEE ARCHITECTURAL DRAWINGS FOR FINISHING REQUIREMENTS OF FORMED CONCRETE SURFACES. FOR UNFORMED SURFACES COMPLY WITH ACI 302.1R FOR SCREEDING, RESTRAIGHTENING, AND FINISHING OPERATIONS UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS.
- CURE FORMED AND UNFORMED CONCRETE FOR AT LEAST SEVEN DAYS BY ONE OF THE FOLLOWING METHODS: MOISTURE CURING, MOISTURE-RETAINING-COVER CURING, APPLICATION OF A CURING COMPOUND, OR BY APPLICATION OF A CURING AND SEALING COMPOUND.
- ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO SAMPLE MATERIALS, PERFORM TESTS, AND SUBMIT REPORTS DURING CONCRETE PLACEMENT ACCORDING TO ACI 301 AND SECTION 1905.6 OF THE INTERNATIONAL BUILDING CODE.

STRUCTURAL WOOD:

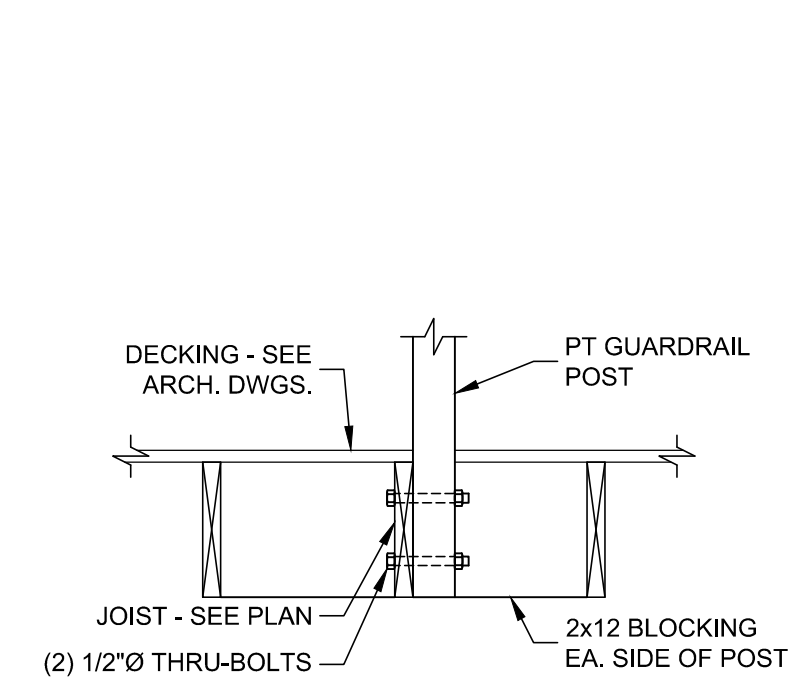
- STRUCTURAL WOOD FOR LOAD-BEARING WALL STUDS AND SILL PLATES SHALL BE MINIMUM SPRUCE-PINE-FIR #2. ALL STRUCTURAL WOOD SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%, UNLESS NOTED OTHERWISE.
- ALL WOOD MEMBERS AND DECKING PERMANENTLY EXPOSED TO WEATHER, SILL PLATES, OR ANY WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- WOOD MEMBERS SHALL NOT BE CUT FOR PLUMBING OR WIRING UNLESS DETAILED ON THE APPROVED SHOP DRAWINGS.
- ALL WOOD MEMBERS 8x8 OR LARGER SHALL BE SYP#1 OR BETTER.



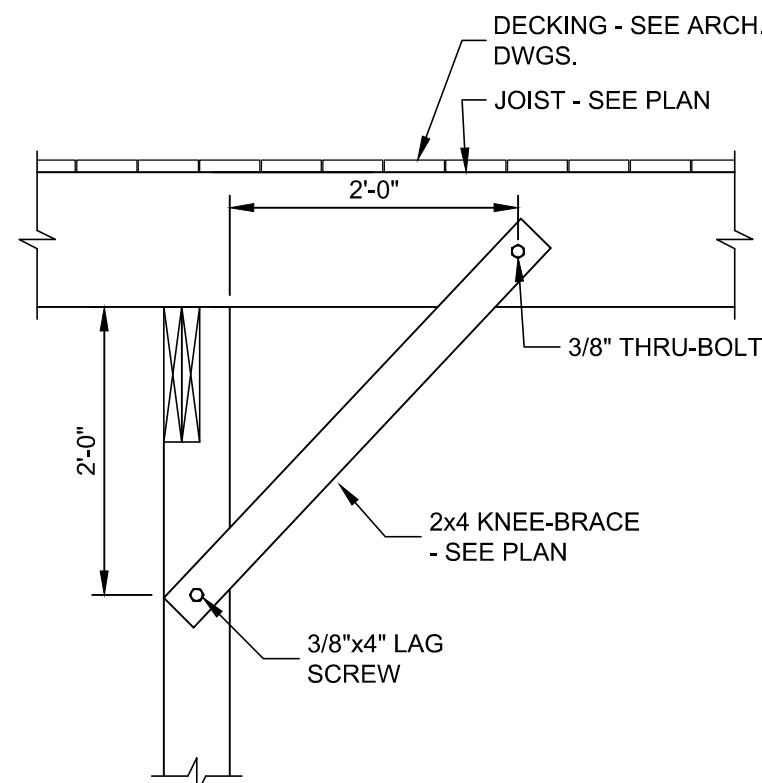
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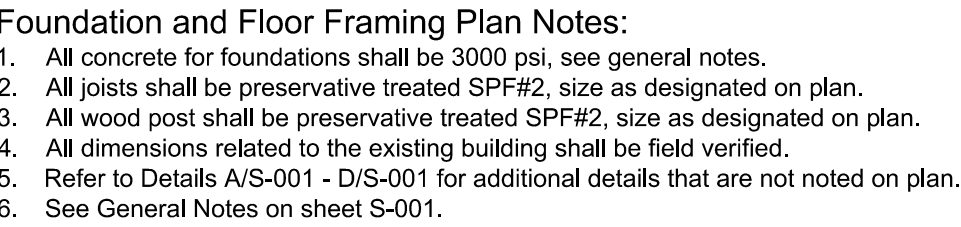
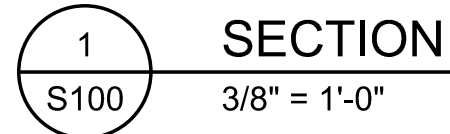
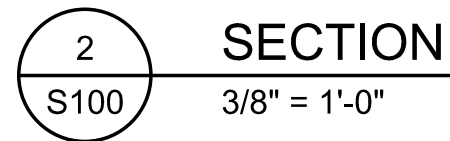
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DECK FOUNDATION & FLOOR FRAMING PLAN
1/8" = 1'-0"



MONTERREY MEXICAN GRILL
NEW OUTDOOR DECK
CHAPEL HILL, NC

SHEET TITLE	
DECK FOUNDATION & FRAMING PLAN	
DRAWN	ICD
REVIEWED	AKW
DATE	05/19/2022
REVISIONS	