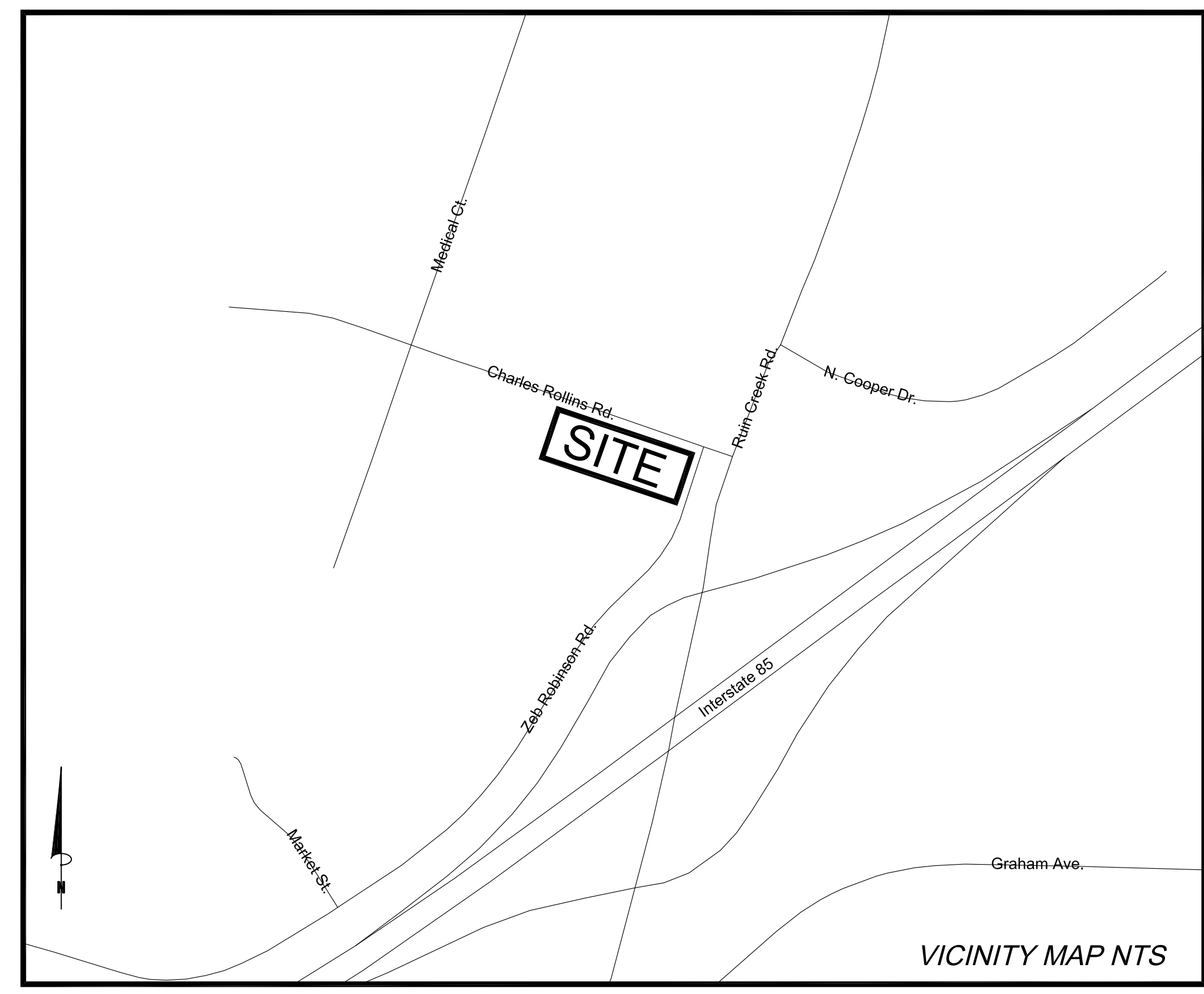


GVPH - VANCE COUNTY HEALTH DEPARTMENT CANOPY

115 CHARLES ROLLINS ROAD
HENDERSON, NC 27536



VICINITY MAP NTS

CITY OF HENDERSON SUBMITTAL: NOVEMBER 12, 2020

PROJECT DATA

EXISTING USE	MEDICAL OFFICE
PROPOSED USE	MEDICAL OFFICE
LAND AREA	29.02 ACRES (TOTAL)
EXISTING ZONING	OI - OFFICE-INSTITUTIONAL
DEED BOOK / PAGE	1236/700
PIN	0411 03001
PARKING SUMMARY	
EXISTING	70 (3 ADA)
REQUIRED	52 (3 ADA)
PROPOSED	65 (3 ADA)
IMPERVIOUS SURFACE	
ADDITIONAL PROPOSED	114 SF

LIST OF SHEETS

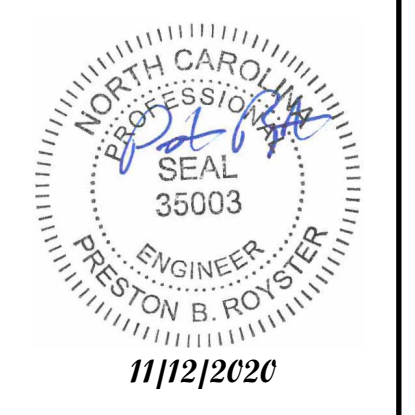
CD-0.0	COVER SHEET
CD-1.0	EXISTING CONDITIONS & DEMOLITION PLAN
CD-2.0	SITE PLAN
CD-3.0	GRADING PLAN
CD-8.0	DETAIL SHEET



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LIC # C-1209
NC BOARD OF LANDSCAPE
ARCHITECTS LIC # C-104



Project

**GRANVILLE
VANCE PUBLIC
HEALTH - VANCE
COUNTY HEALTH
DEPARTMENT**

115 CHARLES ROLLINS ROAD
HENDERSON, NC 27536

Owner:
DLP MARIA PARHAM
MEDICAL CENTER LLC
14400 METCAL'S AVENUE
OVERLAND PARK, KS 66223

PIN:
0411 03001

Job Number 2086

Drawn PBR
Checked PBR
Date 11/12/2020

Revisions:

PERMIT DRAWINGS -
NOT RELEASED
FOR CONSTRUCTION

Sheet Title

COVER

Sheet Number

CD-0.0

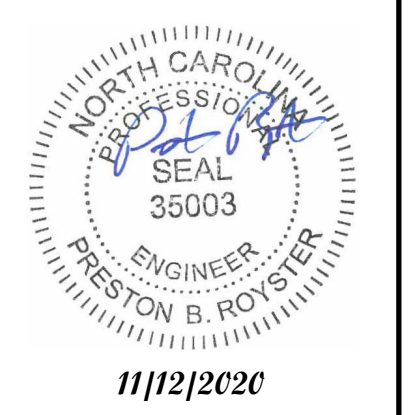
CHARLES ROLLINS ROAD



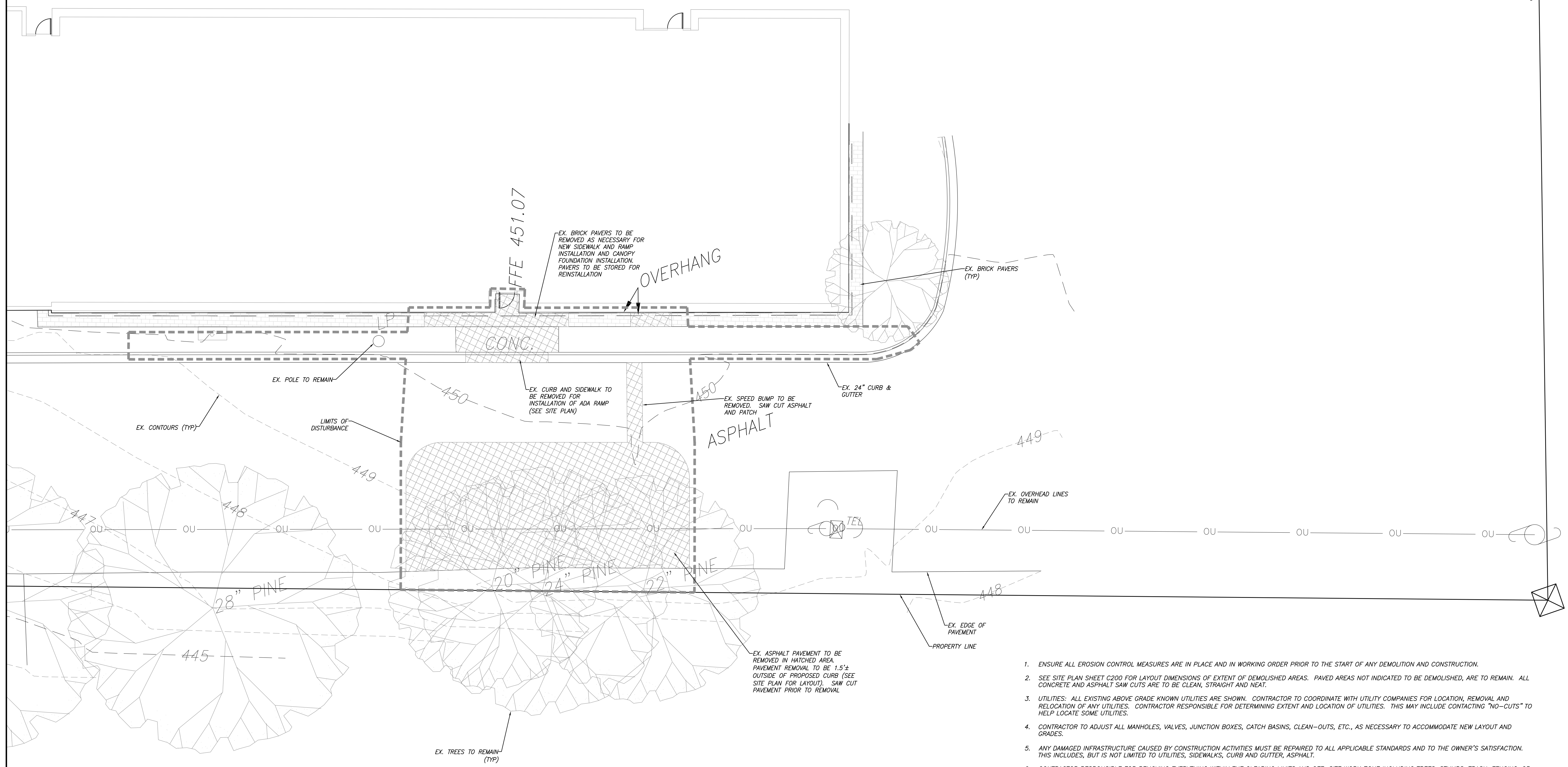
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Project
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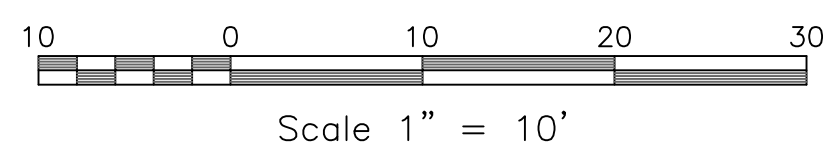
Drawn PBR
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Date 11/12/2020
Revisions:

PERMIT DRAWINGS -
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FOR CONSTRUCTION

Sheet Title
**EXISTING
CONDITIONS -
DEMOLITION
PLAN**

Sheet Number
CD-10

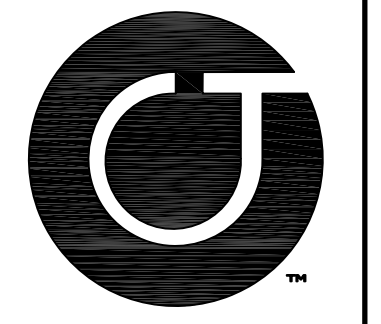
1/CD-1.0
EXISTING CONDITIONS / DEMOLITION PLAN
SCALE: 1"=10'



1. ENSURE ALL EROSION CONTROL MEASURES ARE IN PLACE AND IN WORKING ORDER PRIOR TO THE START OF ANY DEMOLITION AND CONSTRUCTION.
2. SEE SITE PLAN SHEET C200 FOR LAYOUT DIMENSIONS OF EXTENT OF DEMOLISHED AREAS. PAVED AREAS NOT INDICATED TO BE DEMOLISHED, ARE TO REMAIN. ALL CONCRETE AND ASPHALT SAW CUTS ARE TO BE CLEAN, STRAIGHT AND NEAT.
3. UTILITIES: ALL EXISTING ABOVE GRADE KNOWN UTILITIES ARE SHOWN. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES FOR LOCATION, REMOVAL AND RELOCATION OF ANY UTILITIES. CONTRACTOR RESPONSIBLE FOR DETERMINING EXTENT AND LOCATION OF UTILITIES. THIS MAY INCLUDE CONTACTING "NO-CUTS" TO HELP LOCATE SOME UTILITIES.
4. CONTRACTOR TO ADJUST ALL MANHOLES, VALVES, JUNCTION BOXES, CATCH BASINS, CLEAN-OUTS, ETC., AS NECESSARY TO ACCOMMODATE NEW LAYOUT AND GRADES.
5. ANY DAMAGED INFRASTRUCTURE CAUSED BY CONSTRUCTION ACTIVITIES MUST BE REPAIRED TO ALL APPLICABLE STANDARDS AND TO THE OWNER'S SATISFACTION. THIS INCLUDES, BUT IS NOT LIMITED TO UTILITIES, SIDEWALKS, CURB AND GUTTER, ASPHALT.
6. CONTRACTOR RESPONSIBLE FOR REMOVING EVERYTHING WITHIN THE CLEARING LIMITS AND OFF-SITE WORK ZONE INCLUDING TREES, STUMPS, TRASH, FENCING, OR BUILDING MATERIALS.
7. CONTRACTOR TO USE CAUTION WORKING AROUND AND NEAR EXISTING STORM, WATER AND SEWER. CONTRACTOR RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES.
8. ALL PAVEMENT PATCHING SHALL BE PERFORMED PER NCDOT SPECIFICATIONS AND STANDARDS.

2/CD-1.0
DEMOLITION NOTES
SCALE: NTS

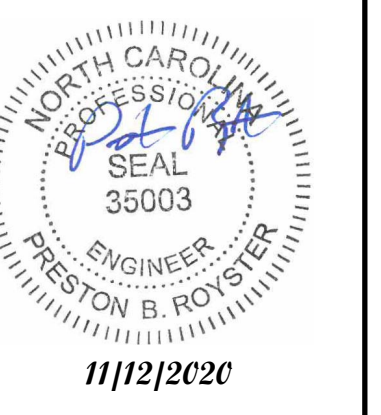
CHARLES ROLLINS ROAD



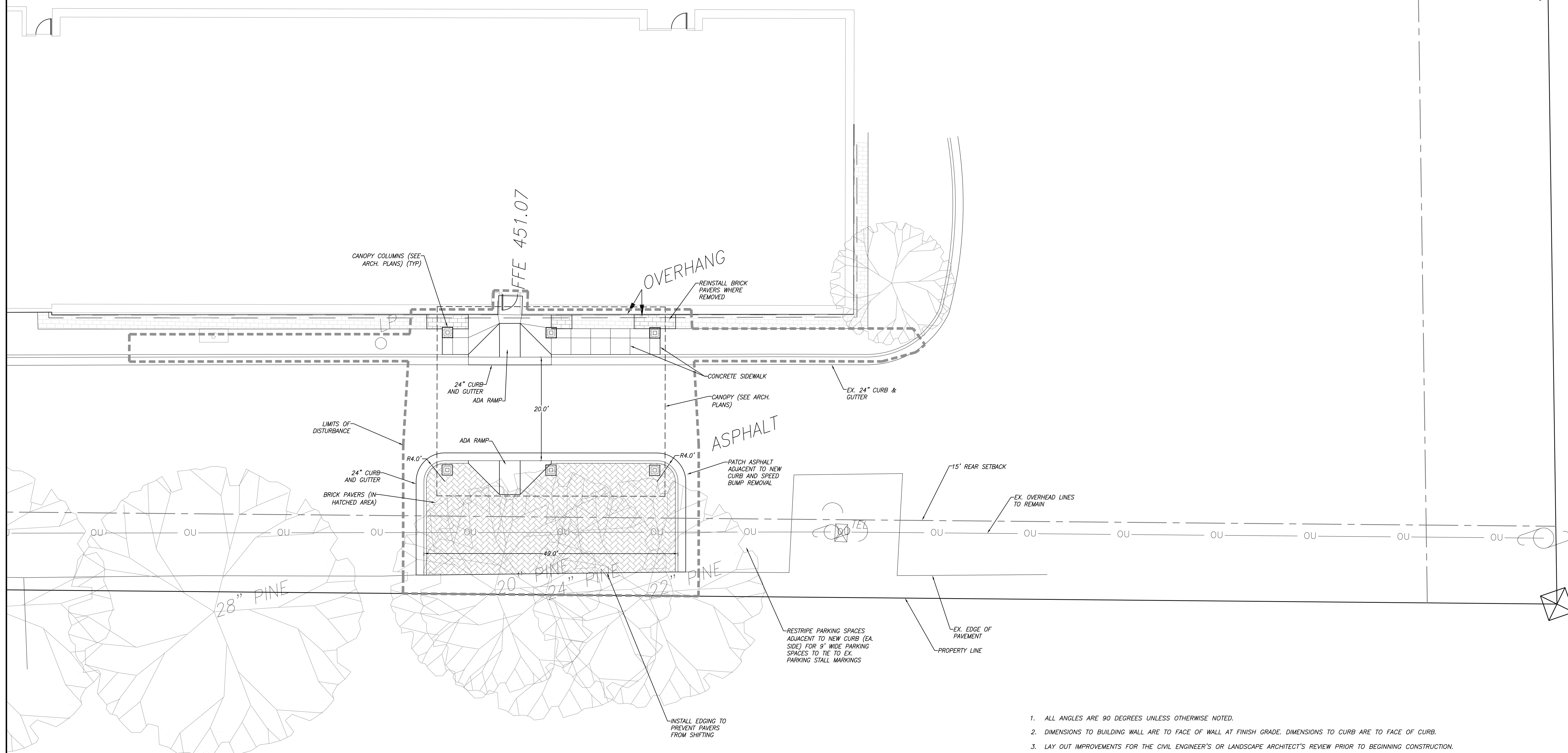
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SR 1129**



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Job Number **2086**

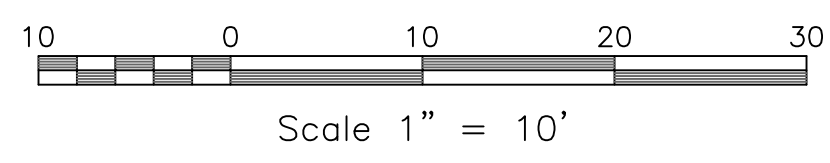
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Date 11/12/2020
Revisions:

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Sheet Title
**SITE
PLAN**

Sheet Number
CD-2.0

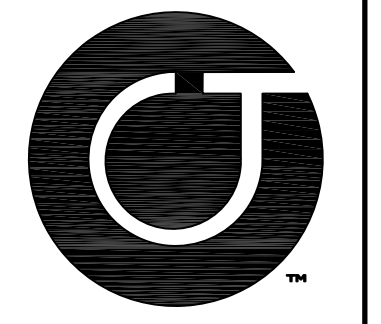
1/CD-2.0
SITE PLAN
SCALE: 1"=10'



1. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
2. DIMENSIONS TO BUILDING WALL ARE TO FACE OF WALL AT FINISH GRADE. DIMENSIONS TO CURB ARE TO FACE OF CURB.
3. LAY OUT IMPROVEMENTS FOR THE CIVIL ENGINEER'S OR LANDSCAPE ARCHITECT'S REVIEW PRIOR TO BEGINNING CONSTRUCTION.
4. REFERENCE ARCHITECTURAL DRAWINGS FOR CANOPY INFORMATION.
5. FIRE LANES ARE TO BE MARKED IN ACCORDANCE WITH CITY GUIDELINES.
6. THE SITE WILL BE FULLY COMPLIANT WITH THE NORTH CAROLINA ACCESSIBILITY CODES (ANSI 117.1 -2009 AND CHAPTER 11 OF THE NCBC) UNLESS AND EXCEPT IN AREAS WHERE AN APPROVED STATEMENT FROM A SITE ENGINEER, SURVEYOR OR ARCHITECT VERIFIES THAT SITE CONDITIONS EXIST WHERE THE TOPOGRAPHY OF THE SITE IS EXTREME AND ONLY ALTERNATE METHODS OF COMPLIANCE ARE POSSIBLE.

2/CD-2.0
SITE PLAN NOTES
SCALE: NTS

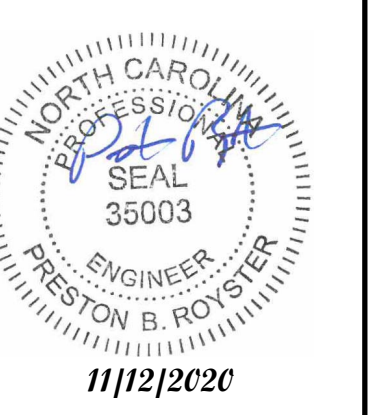
CHARLES ROLLINS ROAD



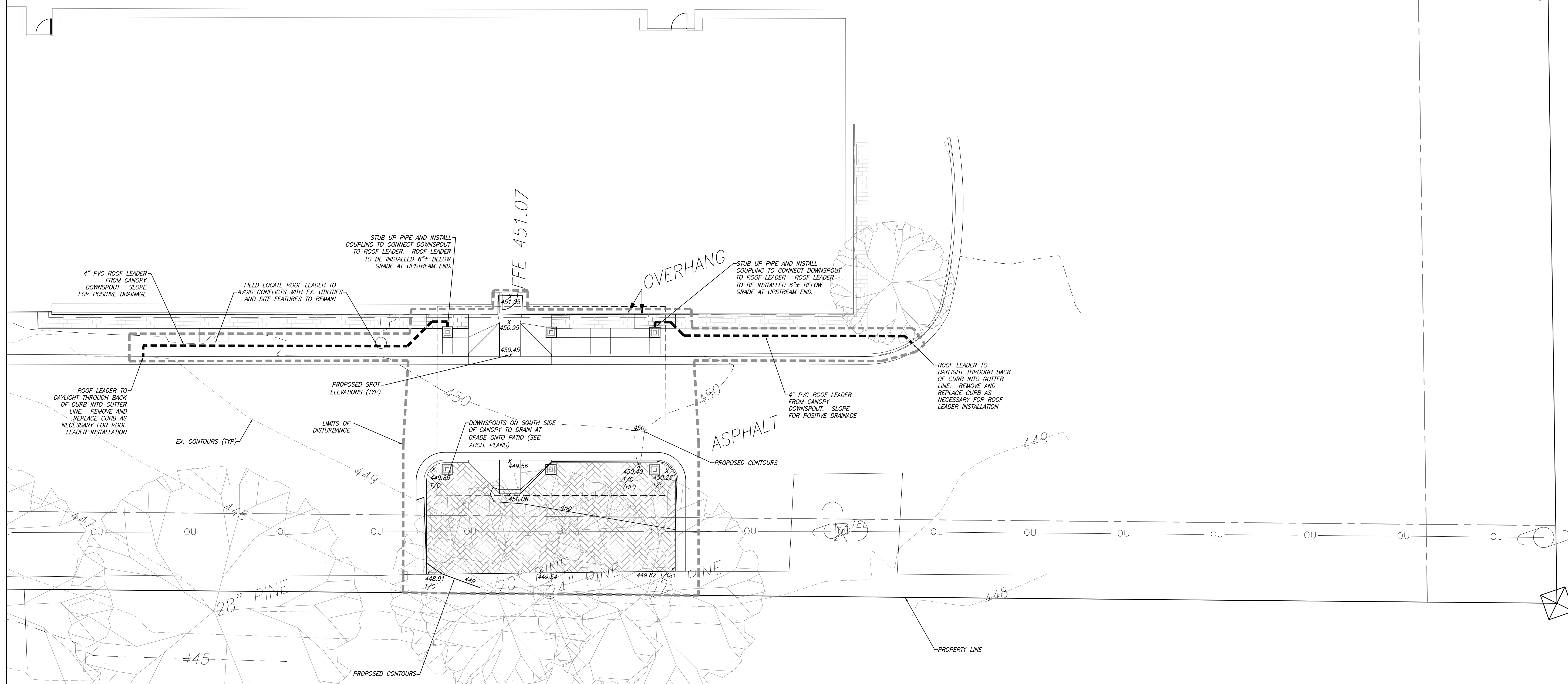
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SR 1129**



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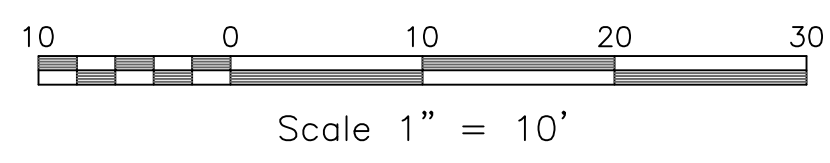
**PERMIT DRAWINGS -
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Sheet Title
**GRADING
PLAN**

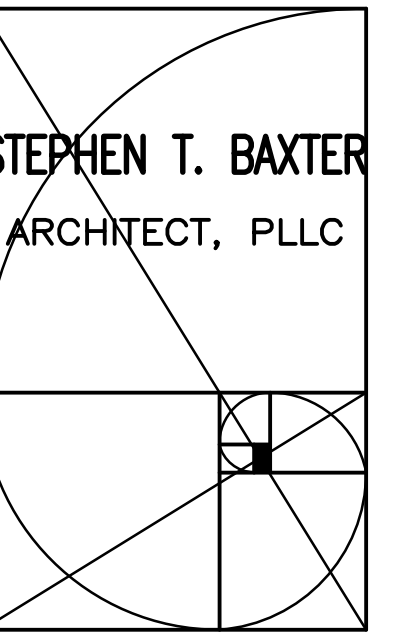
Sheet Number
CD-3.0

1. SOIL UNDER BUILDING PAD, PAVED AREAS AND WITHIN SLOPES GREATER THAN 3:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. THESE SOILS SHALL BE COMPACTED AS SPECIFIED UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER. ANY UNDERCUT OF SOILS IN THESE AREAS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER & OWNER. THE UNDERCUT SOILS SHALL ALSO QUANTIFIED BY THE GEOTECHNICAL ENGINEER.
2. ALL BANKS, SWALES AND FILL SLOPES SHALL BE NO STEEPER THAN 3:1 MAXIMUM. CUT SLOPES SHALL BE NO STEEPER THAN 3:1.
3. ALL GRADING MUST PRODUCE SURFACE DRAINAGE ADEQUATE TO PREVENT STANDING WATER OR WET LAWN AREAS, AND TO ENSURE THAT ALL STORM WATER FLOWS TO INLETS OR OTHER POINTS OF DISCHARGE.
4. ALL SIDEWALKS SHALL BE CONSTRUCTED WITH A MAXIMUM 1.8% CROSS SLOPE.
5. ALL CURBS SHALL BE INSTALLED WITH A MINIMUM SLOPE OF 1.0%. CONTRACTOR SHALL LAYOUT PROPOSED CURB LINES FOR REVIEW BY ENGINEER PRIOR TO INSTALLING CURB.

**1/CD-3.0
GRADING PLAN
SCALE: 1"=10'**

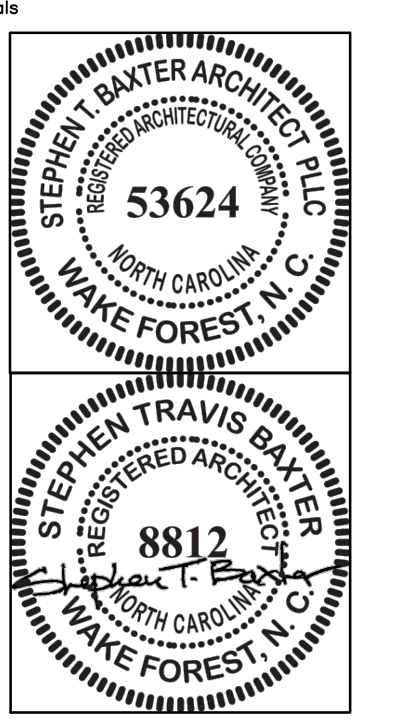


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GRADING NOTES
SCALE: NTS**

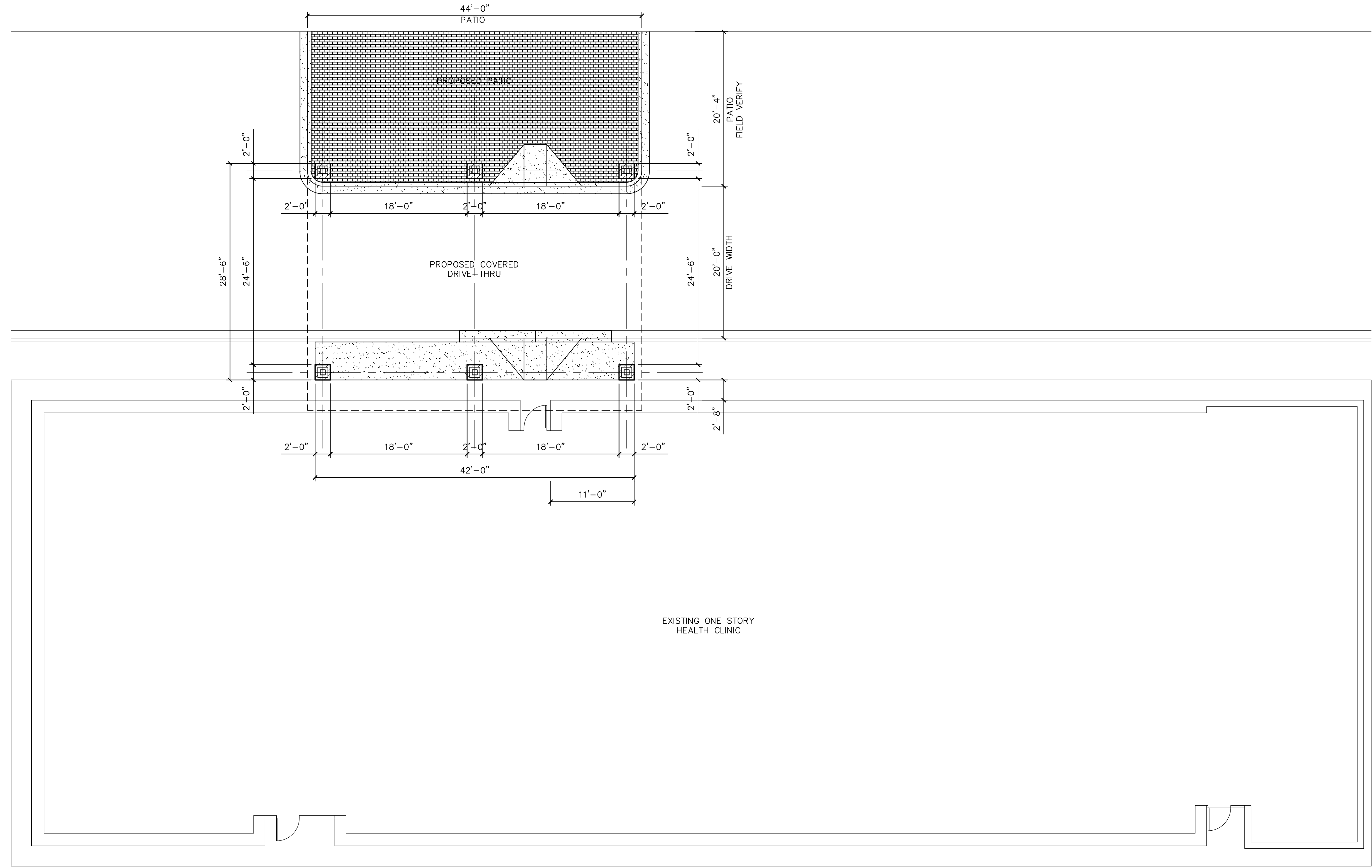


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Wake Forest, North Carolina 27587
Phone: (919) 819-1536

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discretion. Approval from a licensed building
inspector and/or licensed engineer will be the
responsibility of the consumer if required. Nominal
dimensions may be used. Do not scale drawings.



Scaled Date: 11/09/20
Consultants



C1 PROPOSED FLOOR PLAN
A-1 SCALE: 1/8"=1'-0"

WALL LEGEND:

- INDICATES NEW MASONRY VENEER AROUND STRUCTURAL COLUMNS.
- INDICATES EXISTING ELEMENTS TO REMAIN.

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION & FIELD VERIFYING ALL EXISTING CONDITIONS. CONTRACTOR SHALL REVIEW ALL CONST. DOCUMENTS (ALL DISCIPLINES) PRIOR TO THE START OF CONST. & REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR CLARIFICATION.
- ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE INDICATED.
- ALL CONSTRUCTION SHALL COMPLY WITH LOCAL JURISDICTION'S REGULATIONS AND THE NC STATE BUILDING CODES.
- FIELD VERIFY ALL DIMENSIONS.
- GEN. CONTRACTOR SHALL COORDINATE ALL ARCHITECTURAL DRAWINGS W/ WORK OF OTHER DISCIPLINES.

No.	Revision	Date
D	For Permitting & Construction	11/09/2020
C	Design Development	10/28/2020
B	Elevation Options	10/20/2020
A	Preliminary Design	10/13/2020

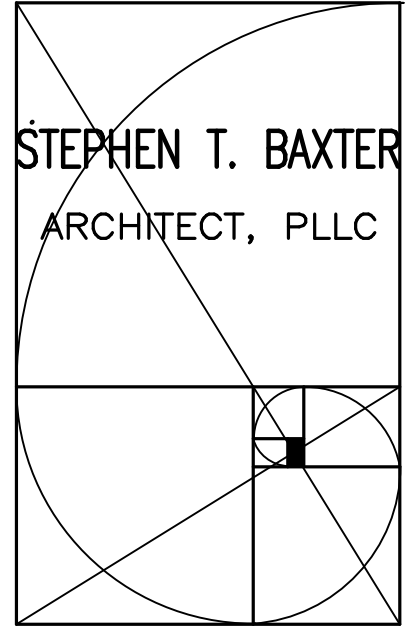
20050 A-1.dwg STB
File Name: Drawn By

Client/ Project
Granville Vance District Health Department
GVDHD
HENDERSON FACILITY
COVERED DRIVE THRU
115 Charles D. Rollins Rd., Henderson NC

Sheet Title
PROPOSED FLOOR PLAN

Project No.	Scale
20050	AS NOTED

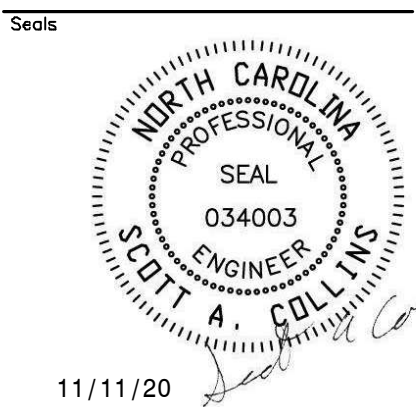
Revision Drawing No.
A-1



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Consultants



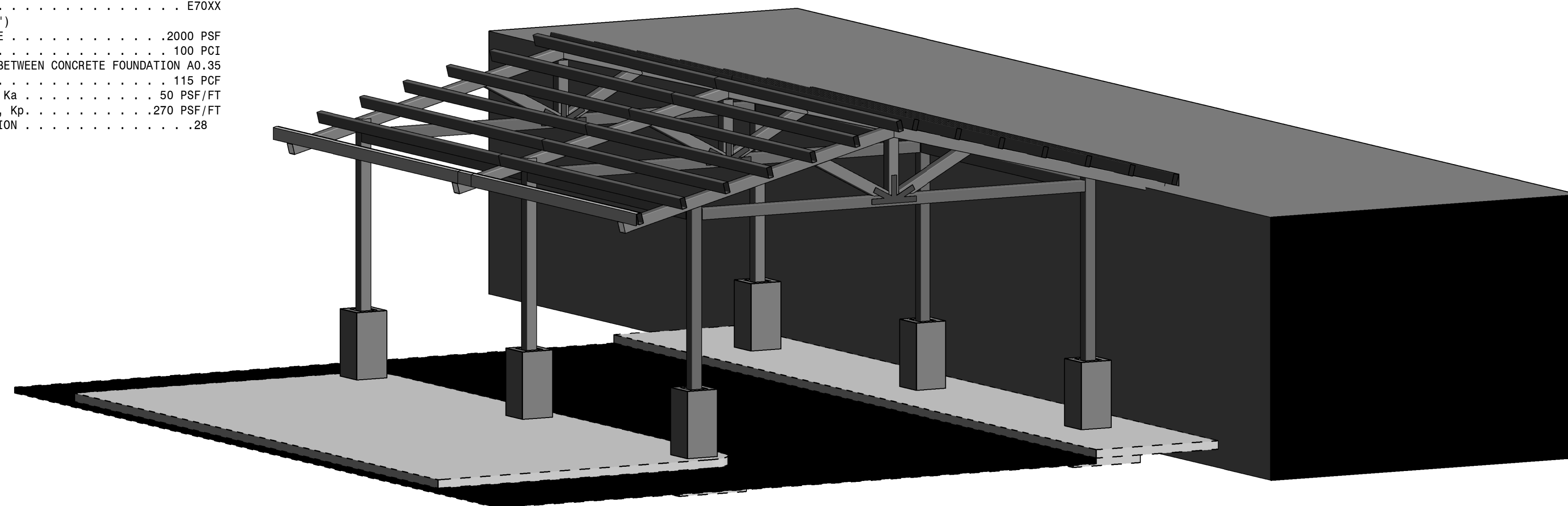
Collins Structural Consulting, PLLC
P.O. Box 539, Creedmoor, NC 27522
(919) 283-6990
NC Firm PE No.: P-0721

CSC STRUCTURAL ABBREVIATIONS

@	AT	LSH	LONG SIDE HORIZONTAL
AB	ANCHOR BOLT	LSV	LONG SIDE VERTICAL
ACI	AMERICAN CONCRETE INSTITUTE	LW	LIGHT WEIGHT
ADDL	ADDITIONAL	LWIC	LIGHT WEIGHT INSULATING CONCRETE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	MAS	MASONRY
ALT	ALTERNATE	MATL	MATERIAL MAX MAXIMUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MECH	MECHANICAL
AR	ANCHOR ROD	MEZZ	MEZZANINE
ARCH	ARCHITECTURAL	MFR	MANUFACTURER
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	MIN	MINIMUM
B/	BOTTOM OF	MISC	MISCELLANEOUS
BAL	BALANCE	MK	MARK
BD	BOARD	MO	MASONRY OPENING
BLK	BLOCK OR BLOCKING	MPH	MILE PER HOUR
BLOG	BUILDING	MTL	METAL/NF NEAR FACE
BN	BEAM	NIC	NOT IN CONTRACT
BOT	BOTTOM	NUM	NUMBER
B PL	BASE PLATE	NS	NON SHRINK OR NEAR SIDE
BRDG	BRIDGING	NTS	NOT TO SCALE
BRG	BEARING	NC	NORMAL WEIGHT
BRK	BRICK	ON	ON CENTER
BWN	BETWEEN	OD	OUTSIDE DIAMETER
BYND	BEYOND	OPH	OPPOSITE HAND
CFMF	COLD FORMED METAL FRAMING	OPMG	OPENING
CG	CENTER OF GRAVITY	OPP	OPPOSITE
CIP	CAST IN PLACE	OSHA	OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION
CJ	CONTRACTION OR CONSTRUCTION JOINT	PC	PIECE OR PORTLAND CEMENT
CJP	COMPLETE JOINT PENETRATION	PCA	PORTLAND CEMENT ASSOCIATION
CL	CENTERLINE	PCI	PRECAST/PRESTRESSED CONCRETE INSTITUTE
CLR	CLEAR	PCC	PRECAST CONCRETE
CMJ	CONCRETE MASONRY UNIT	PDF	POWDER DRIVEN FASTENER
COL	COLUMN	PL	PLATE
COMP	COMPOSITE	PLF	POUNDS PER LINEAR FOOT
CONC	CONCRETE	PLYWD	PLYWOOD
CONN	CONNECTION	PRCST	PRECAST
CONSTR	CONSTRUCTION	PROJ	PROJECTION
CONT	CONTINUOUS	PSF	POUNDS PER SQUARE FOOT
CTR	CENTER	PSI	POUNDS PER SQUARE INCH
DBA	DEFORMED BAR ANCHOR	PT	POINT
DET	DETAIL	PX	PIER DESIGNATION
DIA	DIAMETER	QTY	QUANTITY
DIM	DIMENSION	R	RADIUS
DIR	DIRECTION	RD	ROOF DRAIN
DK	DECK	REF	REFERENCE
DL	DEAD LOAD	REINF	REINFORCED OR REINFORCING
DN	DOWN	REM	REMAINDER
DD	DITTO	REQD	REQUIRED
DE	DECK	RET	RETURN
DS	DECK SPAN	REV	REVISION
DWG	DRAWING	RO	ROUGH OPENING
EA	EACH	SCHED	SCHEDULE
EE	EACH END	SECT	SECTION
EF	EACH FACE	SIM	SIMILAR
EJ	EXPANSION JOINT	SHT	SHEET
ED	ELEVATION	SJ	SLIP JOINT
EQ	EQUAL EMBED EMBEDDED	SJI	STEEL JOIST INSTITUTE
EW	EACH WAY	SLBB	SHORT LEG BACK TO BACK
EXIST	EXISTING	SOG	SLAB ON GRADE
EXP	EXPANSION	SPA	SPACES OR SPACING
EXT	EXTERIOR	SPEC	SPECIFICATION
FC	FACE	SST	STAINLESS STEEL
FD	FLOOR DRAIN	SSH	SHORT SLOTTED HOLE
FDTN	FOUNDATION	STD	STANDARD STIFF STIFFENER
FF	FAR FACE	STIR	STIRRUP
FIN	FINISHED	STL	STEEL STRUCT STRUCTURAL
FLR	FLOOR CONSTRUCTION	SYMM	SYMMETRICAL
FRP	FIBRE-REINFORCED POLYMER	T/	TOP OF
FS	FAR SIDE	T&B	TOP AND BOTTOM
FTG	FOOTING	T&G	TONGUE AND GROOVE
FX	FOOTING DESIGNATION	THK	THICK
GA	GAGE	TOB	TOP OF BEAM
GALV	GALVANIZED	TOC	TOP OF CONCRETE
GC	GENERAL CONTRACTOR	TOF	TOP OF FOOTING
GL	GRID LINE	TOJ	TOP OF JOIST
HEF	HORIZONTAL EACH FACE	TOS	TOP OF STEEL
HK	HOOK HORIZ HORIZONTAL	TOW	TOP OF WALL
H PT	HIGH POINT	TYP	TYPICAL
HS	HIGH STRENGTH	UN	UNLESS NOTED
HSS	HOLLOW STRUCTURAL SHAPE	VAR	VARIES
HWS	HEAD WELDED STUD	VEF	VERTICAL EACH FACE
ID	INSIDE DIAMETER	VERT	VERTICAL
IF	INSIDE FACE	VIF	VERIFY IN FIELD
INFO	INFORMATION	W/	WITH
INTER	INTERMEDIATE	W/O	WITHOUT
INT	INTERIOR	WF	WELDED ANGLE FRAME
JST	JOIST	WCF	WELDED CHANNEL FRAME
JT	JOINT	WFL	WIDE FLANGE
K	KIPS=1000 LB	WLD	WELDED
L	ANGLE	WP	WORK POINT
LB	POUND	WF	WELDED WIRE FABRIC
LG	LONG		
LL	LIVE LOAD		
LLBB	LONG LEG BACK TO BACK		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		
L PT	LOW POINT		

1. GENERAL
 - 1.01. THE STRUCTURE IS DESIGNED IN ACCORDANCE AND MEETS THE DESIGN CRITERIA OF THE FOLLOWING CODES:
 - 2018 NORTH CAROLINA BUILDING CODE
 - ASCE 7-10, MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES
 - ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 - ACI 530-13, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
 - AISC 360-10, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
 - NDS-15, NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION
 - ADM 1-00, ALUMINUM DESIGN MANUAL
 - 1.02. METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
 - 1.03. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL DETERMINE THE SCOPE OF THE STRUCTURAL WORK FROM THE CONTRACT DOCUMENTS TAKEN AS A WHOLE. THE STRUCTURAL DRAWINGS SHALL NOT BE CONSIDERED SEPARATELY FOR PURPOSES OF BIDDING THE STRUCTURAL WORK. DUE CONSIDERATION SHALL BE GIVEN TO OTHER STRUCTURAL WORK OR WORK RELATED TO THE STRUCTURE, INCLUDING NECESSARY COORDINATION DESCRIBED OR IMPLIED BY THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
 - 1.04. SCALES NOTED ON THE DRAWINGS ARE FOR GENERAL REFERENCE ONLY. NO DIMENSIONAL INFORMATION SHALL BE OBTAINED BY DIRECT SCALING OF THE DRAWINGS.
 - 1.05. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL RESULTING REVISIONS TO THE STRUCTURAL SYSTEM OR OTHER TRADES AS A RESULT OF ACCEPTANCE OF CONTRACTOR PROPOSED ALTERNATIVES OR SUBSTITUTIONS.
 - 1.06. PRINCIPAL OPENINGS IN THE STRUCTURE ARE INDICATED ON THE CONTRACT DOCUMENTS. REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLEEVES, CURBS, INSERTS, ETC. NOT HEREIN INDICATED. OPENINGS LESS THAN 12 INCHES IN DIMENSION ARE GENERALLY NOT SHOWN. THE LOCATION OF SLEEVES OR OPENINGS IN STRUCTURAL MEMBERS SHALL BE SUBMITTED TO COLLINS STRUCTURAL CONSULTING, PLLC. FOR REVIEW.
 - 1.07. GENERAL CONTRACTOR IS TO VERIFY AND COORDINATE ALL DIMENSIONS AND DETAILS AS SHOWN ON THE DRAWINGS AND FROM EQUIPMENT SUPPLIERS/INSTALLERS PRIOR TO CONSTRUCTION. WHEN DISCREPANCIES OR QUESTIONS ARISE, COLLINS STRUCTURAL CONSULTING, PLLC. SHALL BE NOTIFIED.
2. DESIGN LOADS
 - 2.01. DESIGN GRAVITY LOADS ARE AS FOLLOWS:
 - SUPERIMPOSED AREA DEAD LOAD (included but not limited to the following):
 - MECHANICALLY FASTENED SINGLE PLY ROOF 2 PSF
 - AREA LIVE LOADS
 - ROOF20 PSF
 - CONCENTRATED LIVE LOADS
 - ROOF 300 LBS
 - 2.02. ROOF SNOW LOAD
 - GROUND SNOW LOAD15 PSF
 - FLAT-ROOF SNOW LOAD P_f15 PSF
 - SNOW EXPOSURE FACTOR C_e 1.0
 - SNOW LOAD IMPORTANCE FACTOR I_s 1.0
 - THERMAL FACTOR C_t 1.2
 - 2.03. WIND LOAD
 - BASIC WIND SPEED (BUILDING FRAME - 3 SEC GUST) 115 MPH
 - WIND IMPORTANCE FACTOR (I) 1.0
 - BUILDING CATEGORY ENCLOSED
 - WIND EXPOSURE CATEGORY C
 - INTERNAL PRESSURE COEFFICIENT +0.18/-0.18
 - COMPONENTS AND CLADDING WIND LOAD PER TABLE
 - 2.04. SEISMIC DESIGN DATA
 - SEISMIC IMPORTANCE FACTOR I_e 1.0
 - OCCUPANCY CATEGORY II
 - MAPPED SPECTRAL RESPONSE ACCELERATION S_s 0.137 G
 - MAPPED SPECTRAL RESPONSE ACCELERATION S₁ 0.069 G
 - SITE CLASS D
 - SPECTRAL RESPONSE COEFFICIENT S_{ds} 0.146 G
 - SPECTRAL RESPONSE COEFFICIENT S_{d1} 0.11 G
 - SEISMIC DESIGN CATEGORY B
 - BASIC SEISMIC-FORCE RESISTING SYSTEM STEEL NOT DETAIL DESIGN BASE SHEAR 2.3 KIPS
 - SEISMIC RESPONSE COEFFICIENT C_s 0.019 G
 - RESPONSE MODIFICATION FACTOR R 3.0
 - ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE PROCEDURE
3. MATERIAL STRENGTHS
 - 3.01. CONCRETE (f'c @ 28 DAYS)
 - ALL CONCRETE U.N. 4,000 PSI
 - 3.02. REINFORCING STEEL (Fy)
 - REBAR (ASTM A615) 60,000 PSI
 - PLAIN STEEL WELDED WIRE REINFORCING (ASTM 185) 65,000 PSI
 - 3.03. STRUCTURAL STEEL (Fy)
 - WF SHAPES (ASTM A992) 50,000 PSI
 - CHANNELS, ANGLES, PLATES & OTHER SHAPES (ASTM A36) 36,000 PSI
 - SQUARE & RECTANGULAR HSS (A500 GRADE B) 46,000 PSI
 - ROUND HSS (A500 GRADE B) 42,000 PSI
 - ALL BOLTS U.N. A-325-N
 - ANCHOR RODS (ASTM F1554) GRADE 36
 - WELDING ELECTRODES E70XX
 - 3.04. SOIL/SUBGRADE PROPERTIES ("SANDY CLAY")
 - ALLOWABLE SOIL BEARING PRESSURE 2000 PSF
 - SUBGRADE MODULUS (K) 100 PCI
 - ULTIMATE FRICTION COEFFICIENT BETWEEN CONCRETE FOUNDATION A0.35
 - UNIT WEIGHT OF SOIL 115 PCF
 - ACTIVE LATERAL EARTH PRESSURE, K_a 50 PSF/FT
 - PASSIVE LATERAL EARTH PRESSURE, K_p 270 PSF/FT
 - MINIMUM INTERNAL ANGLE OF FRICTION 28

4. CONCRETE(CAST-IN PLACE, NON-PRESTRESSED)
 - 4.01. CONCRETE REINFORCING SHALL HAVE THE FOLLOWING MINIMUM PROTECTIVE COVER:
 - CONCRETE POURED ON EARTH OR GROUND 3 IN
 - CONCRETE EXPOSED TO EARTH OR WEATHER
 - #6 THROUGH #18 BARS 2 IN
 - #5 BAR, W#1 OR D#1 WIRE AND SMALLER 1 1/2 IN
 - CONCRETE WITH INTERIOR EXPOSURE
 - SLABS, WALLS, JOISTS:
 - #14 AND #18 BARS 1 1/2 IN
 - #11 BAR AND SMALLER 3/4 IN
 - BEAMS, COLUMNS:
 - PRIMARY REINFORCEMENT, TIES, AND SPIRALS 1 1/2 IN
 - 4.02. ALL HOOKS NOT NOTED SHALL BE ACI STANDARD HOOKS.
 - 4.03. NO TACK WELDING WILL BE PERMITTED ON GRADE 40 OR 60 STEEL.
 - 4.04. CONCRETE TOPPING SHALL BE REINFORCED WITH 6X6-W1.4XW1.4 WWF UNLESS NOTED OTHERWISE.
 - 4.05. ANCHOR BOLTS SHALL BE SET AND CONCRETE BEARING SURFACE FOR COLUMNS SHALL BE FINISHED TO THE FOLLOWING TOLERANCE:
 - A. ELEVATION OF CONCRETE SURFACE PLUS OR MINUS 3/8"
 - B. ELEVATION TOP OF ANCHOR BOLTS PLUS 1" TO MINUS 3/8"
 - C. OUT OF POSITION OF ANCHOR BOLTS PLUS OR MINUS 1/8"
 - 4.06. GROUT FOR BASE PLATES SHALL BE NONSHRINKABLE, NON-METALLIC CONFORMING TO ASTM C827, AND SHALL HAVE A SPECIFIED COMPRESSIVE STRENGTH AT 28 DAYS OF 5000 PSI. PREGROUTING OF BASE PLATES WILL NOT BE PERMITTED.
 - 4.07. MIXING, TRANSPORTING, AND PLACING OF CONCRETE SHALL CONFORM TO ACI 301.
 - 4.08. WELDING OF REINFORCEMENT BARS, WHEN ACCEPTED BY THE STRUCTURAL ENGINEER, SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARD D1.4. ELECTRODES FOR SHOP AND FIELD WELDING OF REINFORCEMENT BARS SHALL CONFORM TO ASTM A233, CLASS E90XX.
5. STRUCTURAL STEEL
 - 5.01. FABRICATOR QUALIFICATIONS: ENGAGE A FIRM EXPERIENCED IN FABRICATING STRUCTURAL STEEL SIMILAR TO THAT INDICATED FOR THIS PROJECT AND WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE, AS WELL AS SUFFICIENT PRODUCTION CAPACITY TO FABRICATE STRUCTURAL STEEL WITHOUT DELAYING THE WORK.
 - 5.02. SET STRUCTURAL STEEL ACCURATELY IN LOCATIONS AND TO ELEVATIONS INDICATED AND ACCORDING TO AISC SPECIFICATIONS REFERENCED IN THIS SECTION.
 - 5.03. COLUMN CAP PLATES ARE 1/2" THICK UNLESS NOTED. SLOPE TO MATCH BEAM SLOPE.
 - 5.04. PRIOR TO GROUTING, COLUMNS SHALL BE ERECTED AND ALIGNED AS TO PLUMBNESS AND ELEVATION BY MEANS OF STEEL SHIMS OR LEVELING NUTS UNDER THE BASE PLATES. SETTING PLATES SHALL ONLY BE USED AS TEMPLATES TO LOCATE ANCHOR BOLTS DURING CONCRETE PLACEMENT.
 - 5.05. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL MISCELLANEOUS STEEL.
 - 5.06. SPLICING OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED ON THE CONTRACT DOCUMENTS IS PROHIBITED WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE AND CONNECTION TO BE MADE.
 - 5.07. THE CONTRACTOR SHALL NOTIFY COLLINS STRUCTURAL CONSULTING, PLLC. OF ANY MISFABRICATED STRUCTURAL STEEL PRIOR TO ERECTION OF SAME.
 - 5.08. PENETRATIONS SHALL NOT BE CUT IN STRUCTURAL STEEL MEMBERS UNLESS SO INDICATED IN THE DRAWINGS OR AS REVIEWED BY THE ENGINEER.
 - 5.09. BEAMS SHALL BE CAMBERED UPWARD WHERE SHOWN ON THE CONTRACT DOCUMENTS. WHERE NO UPWARD CAMBER IS INDICATED, ANY MILL CAMBER SHALL BE DETAILED UPWARD IN THE BEAMS.



PROJECT OVERVIEW

No. Revision Date

No. Issued Date

File Name: Drawn By

Client/ Project

Enter address here

Sheet Title

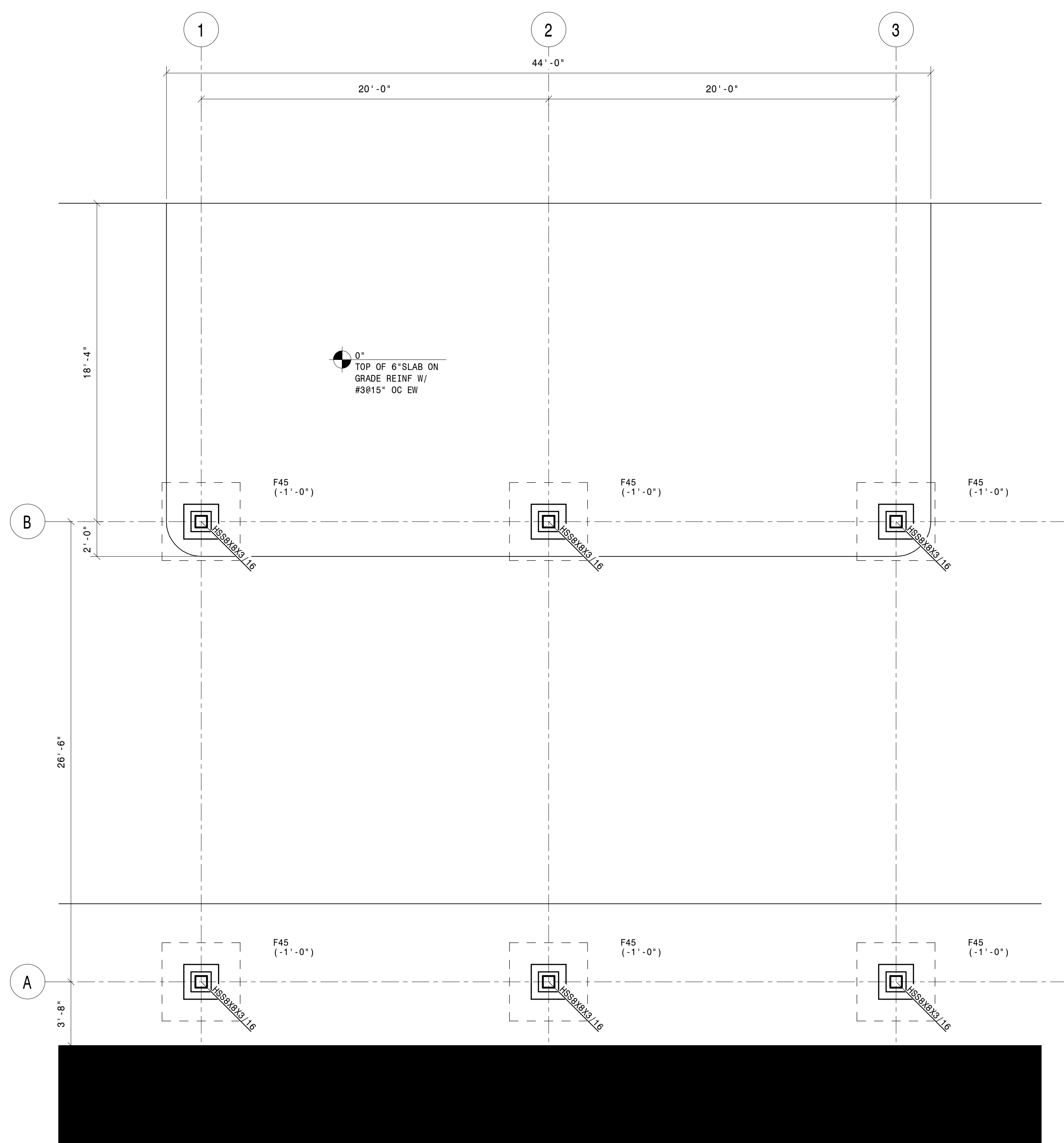
STRUCTURAL NOTES

Project No. Scale

12" = 1'-0"

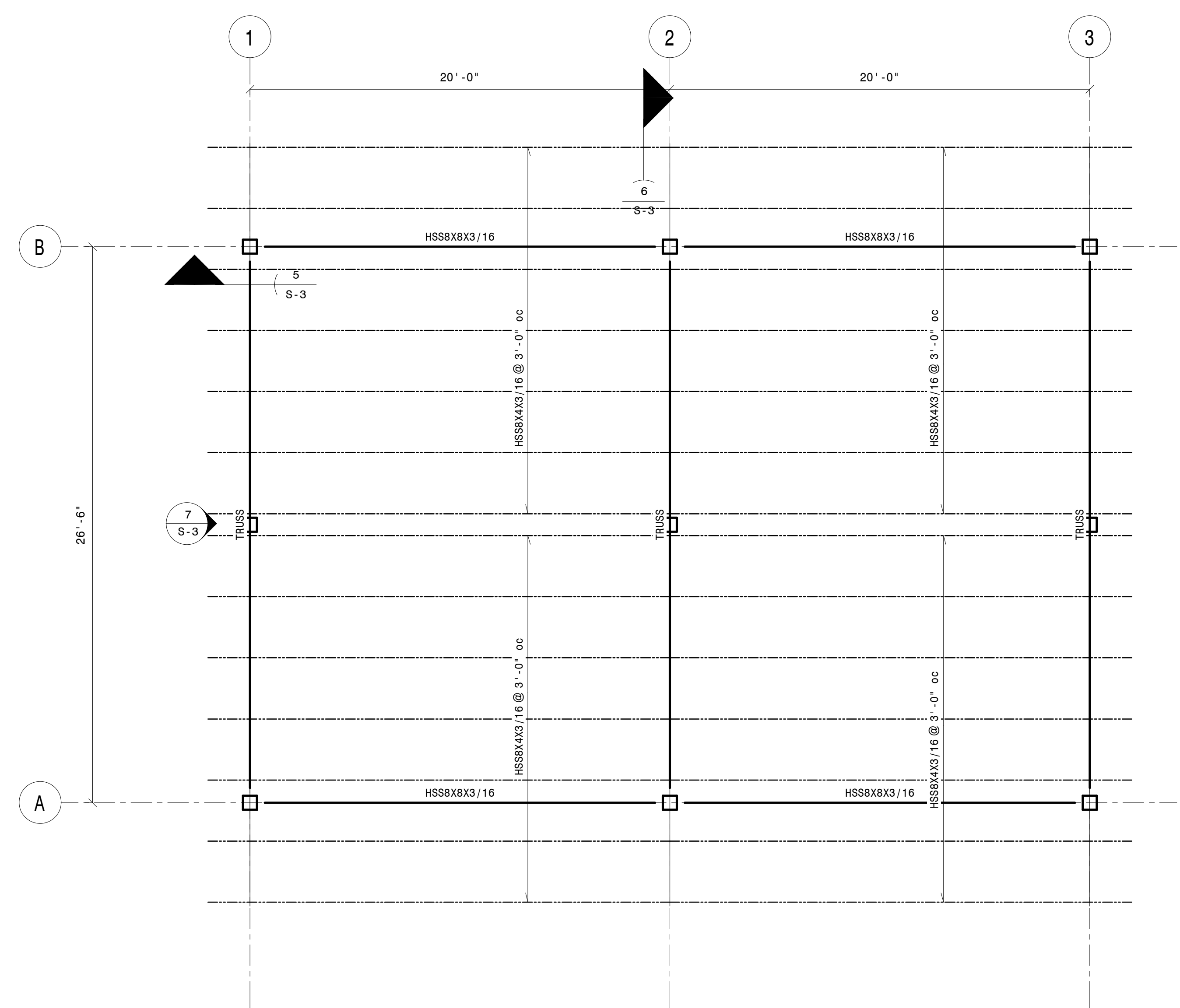
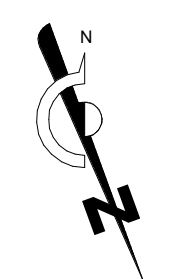
Revision Drawing No.

S-1



- 1 - FOUNDATION PLAN
1/4" = 1'-0"

- FOUNDATION NOTES:**
1. TOP OF CONCRETE SLAB = 0'-0" UNLESS OTHERWISE NOTED.
 2. CONNECT NEW CONCRETE SLAB ON GRADE PER DETAIL SHEET S-3 .
 3. TOP OF FOOTING = -1'-0" BELOW EXISTING SLAB ON GRADE UNLESS OTHERWISE NOTED.
 4. TOP OF PIERS = 0'-0" ABOVE EXISTING SLAB ON GRADE UNLESS OTHERWISE NOTED.

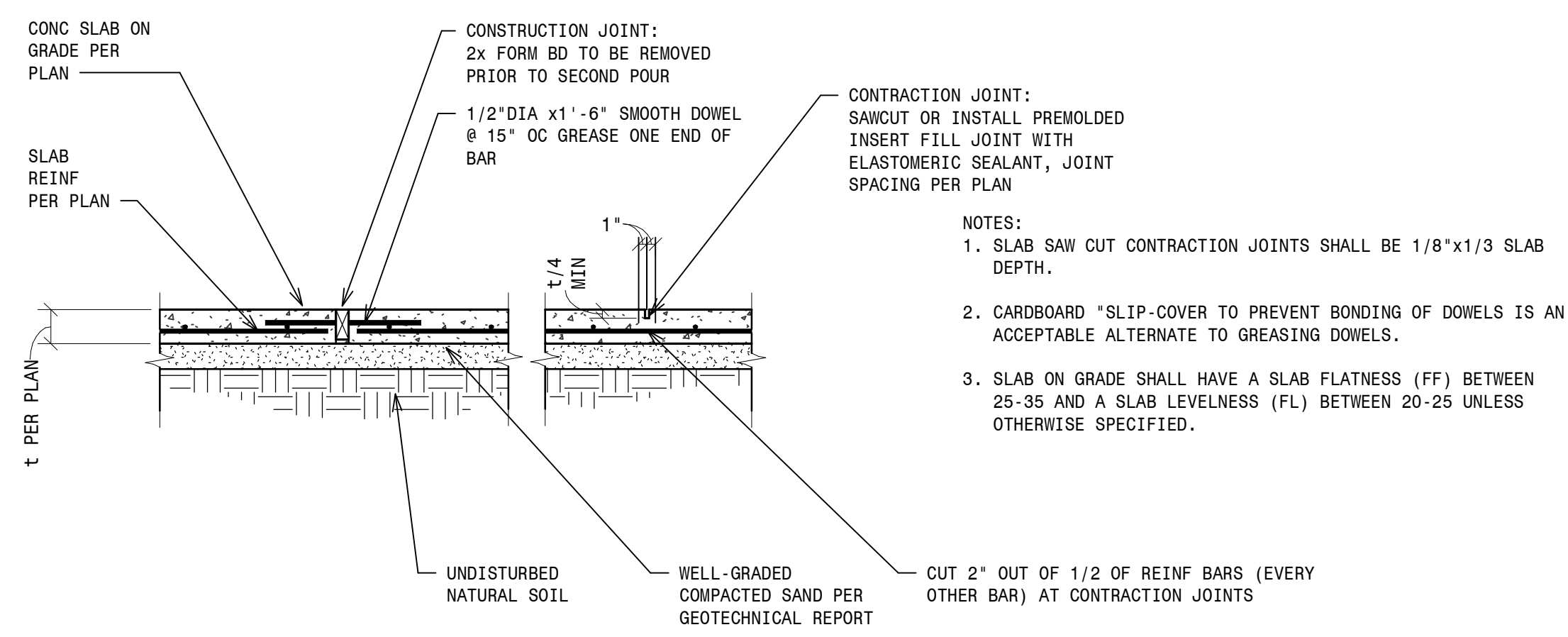


- 2 - ROOF FRAMING PLAN
1/4" = 1'-0"

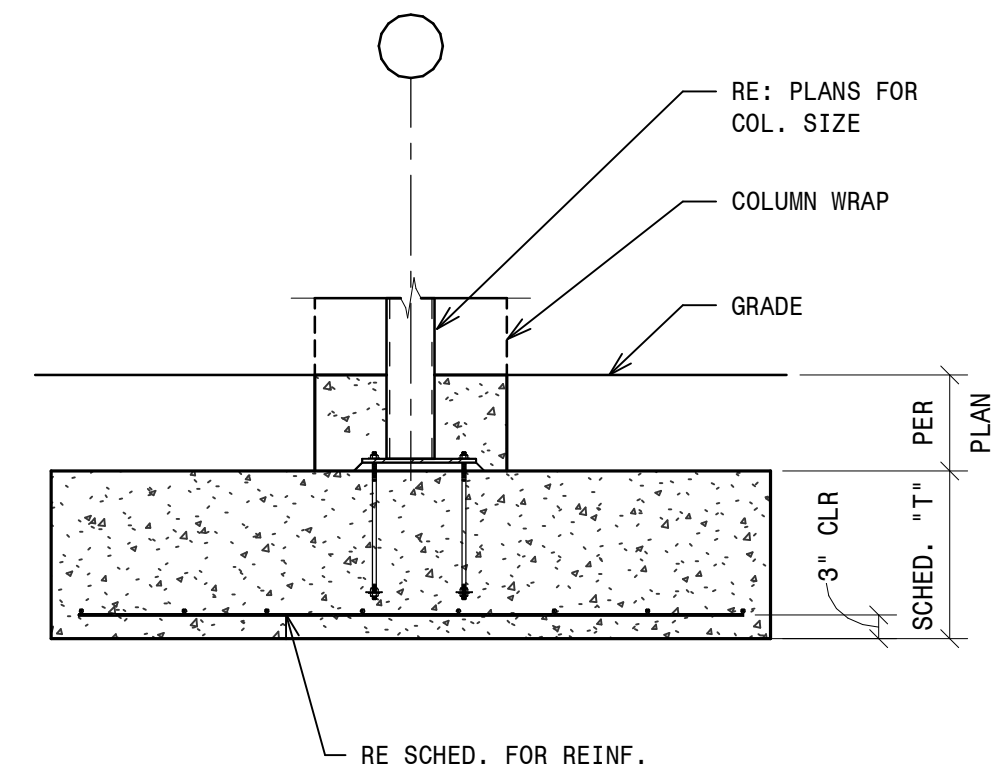
- FRAMING NOTES:**
1. HSS TRUSS PER DETAIL 7/S-3 .
 2. REFER TO SHEET S-1 FOR STRUCTURAL NOTES.

No.	Revision	Date

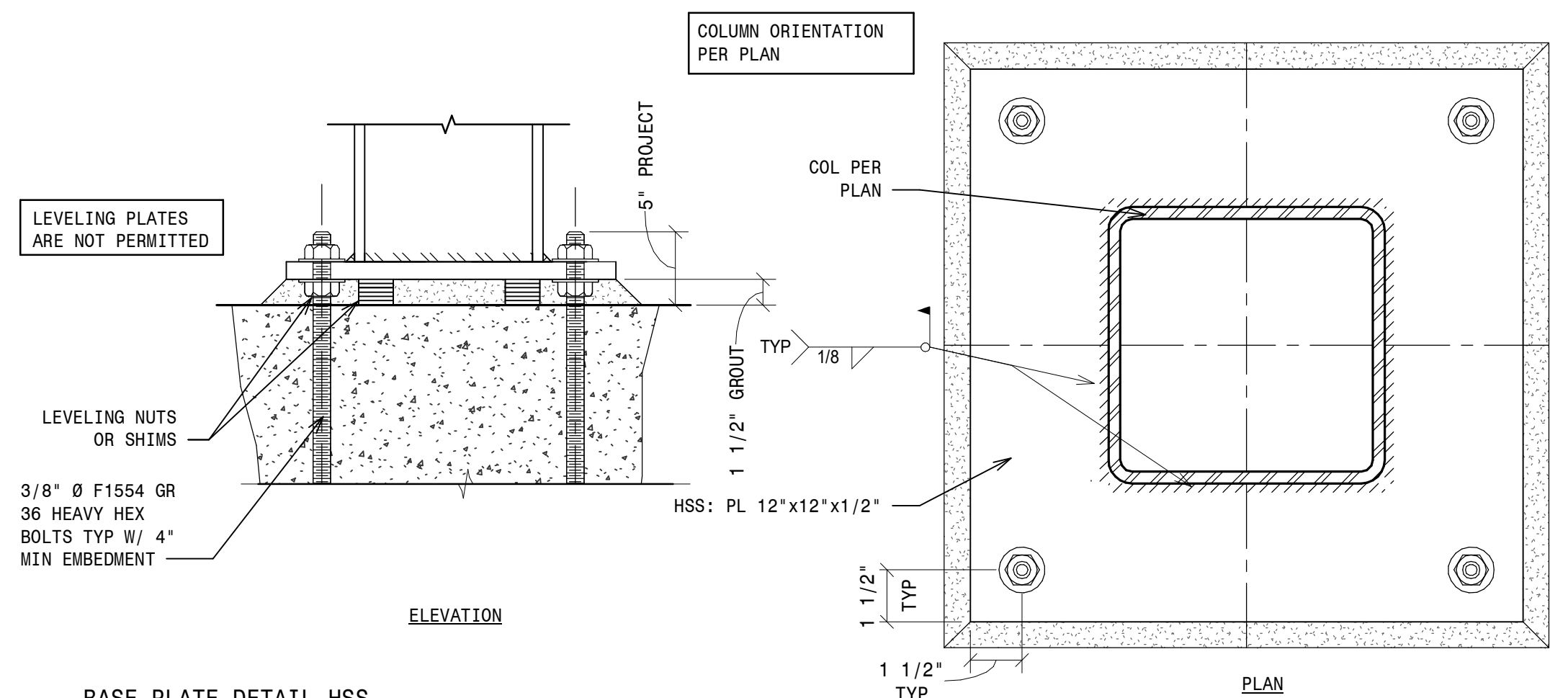
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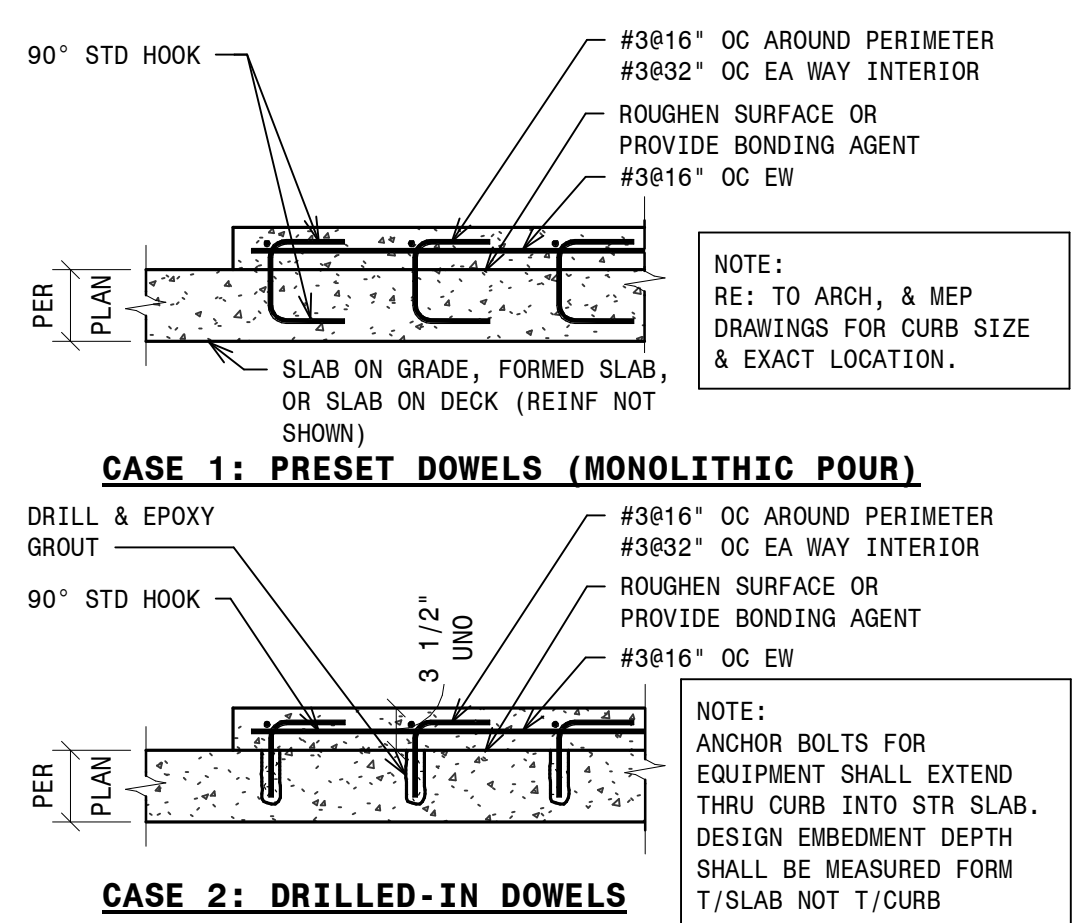
- 1 - TYPICAL SLAB ON GRADE AND JOINT DETAIL
3/4" = 1'-0"



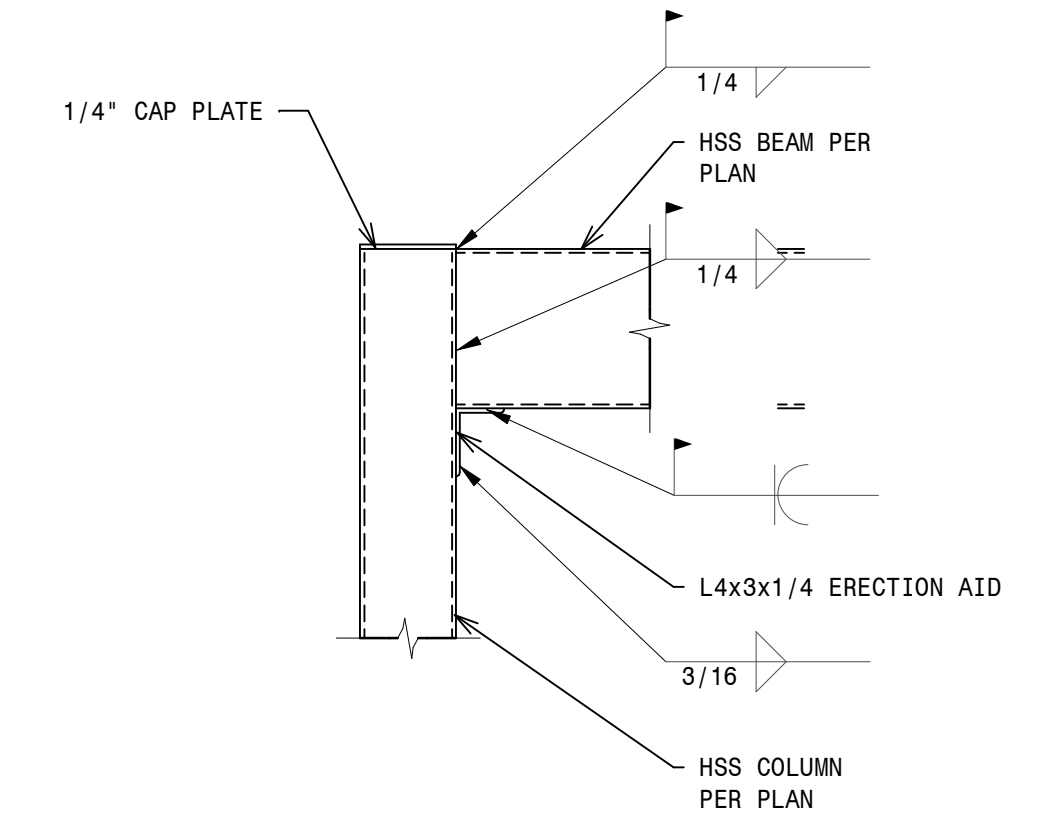
- 2 - TYPICAL COLUMN TO SPREAD FTG DETAIL
1/2" = 1'-0"



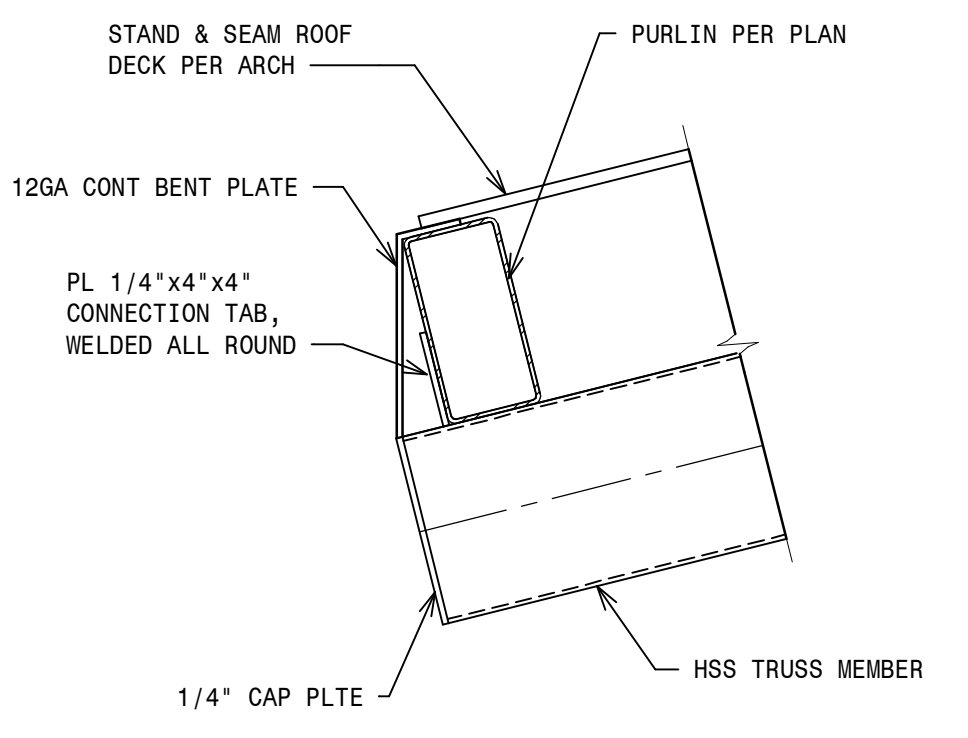
- 3 - BASE PLATE DETAIL HSS
3\"/>



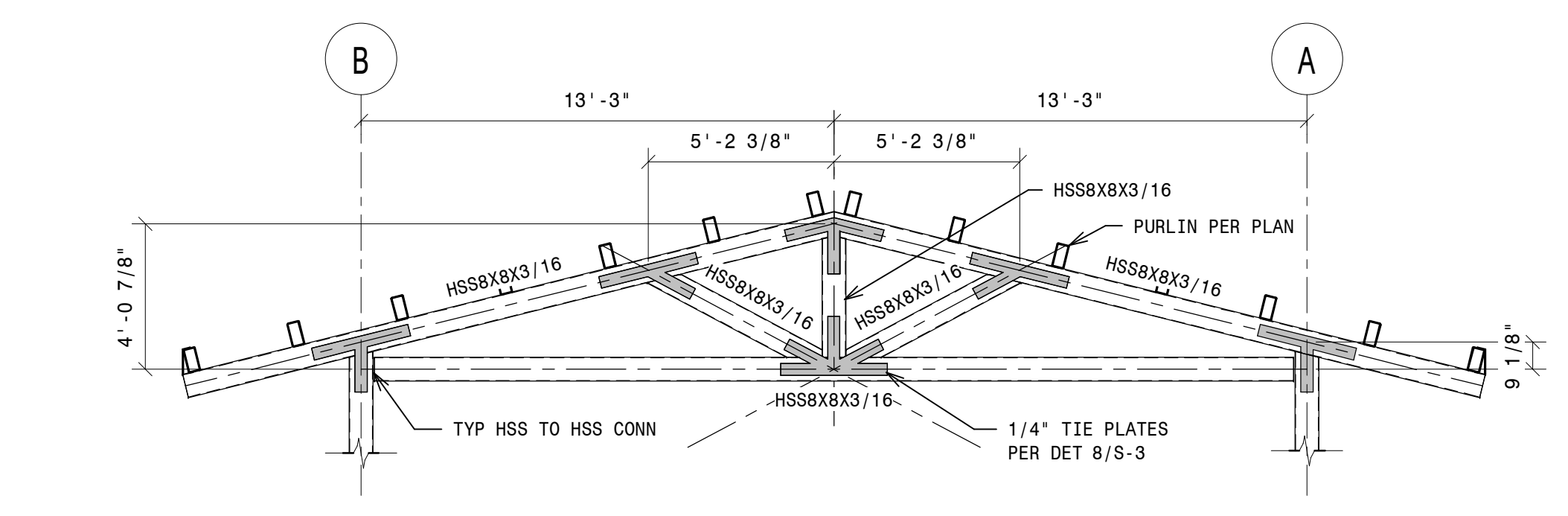
- 4 - CONCRETE RAISED PAD DETAIL
3/4" = 1'-0"



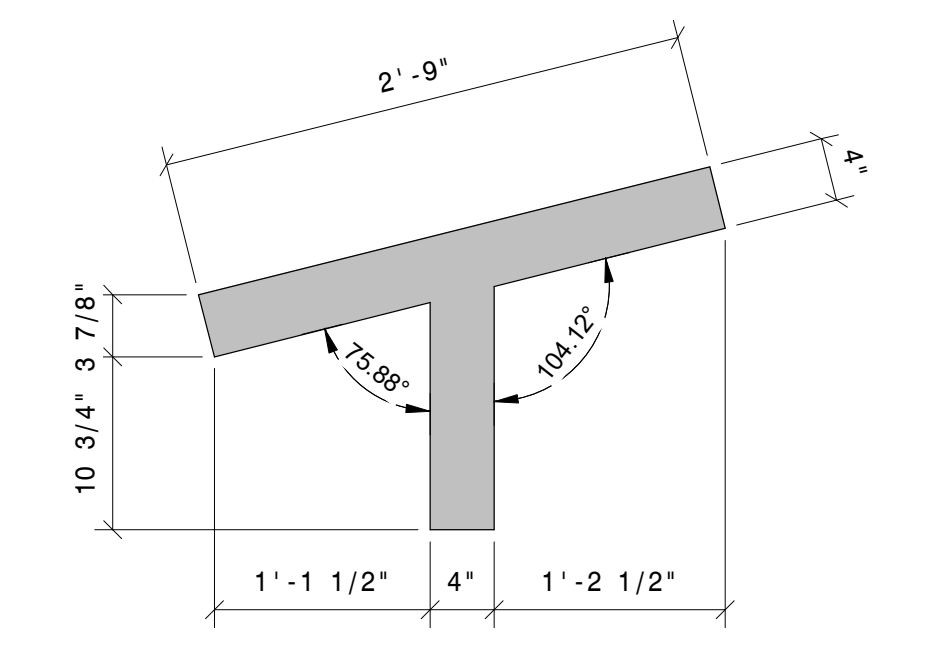
- 5 - HSS TO HSS CONNECTION
1" = 1'-0"



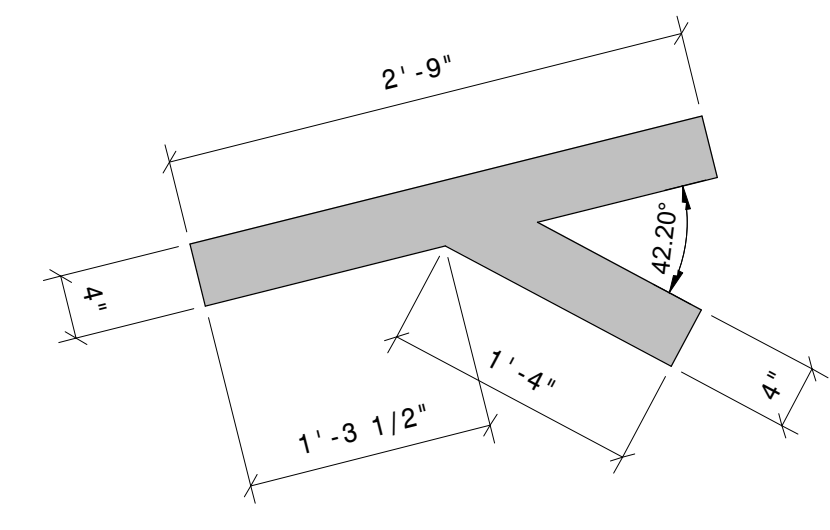
- 6 - SECTION
1 1/2" = 1'-0"



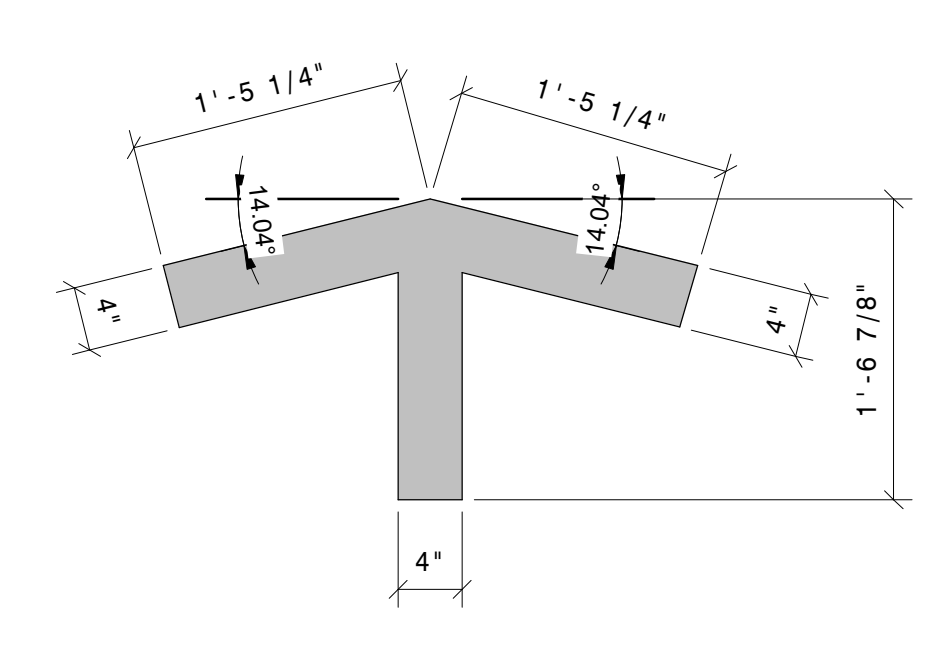
- 7 - TRUSS ELEVATION
1/4" = 1'-0"



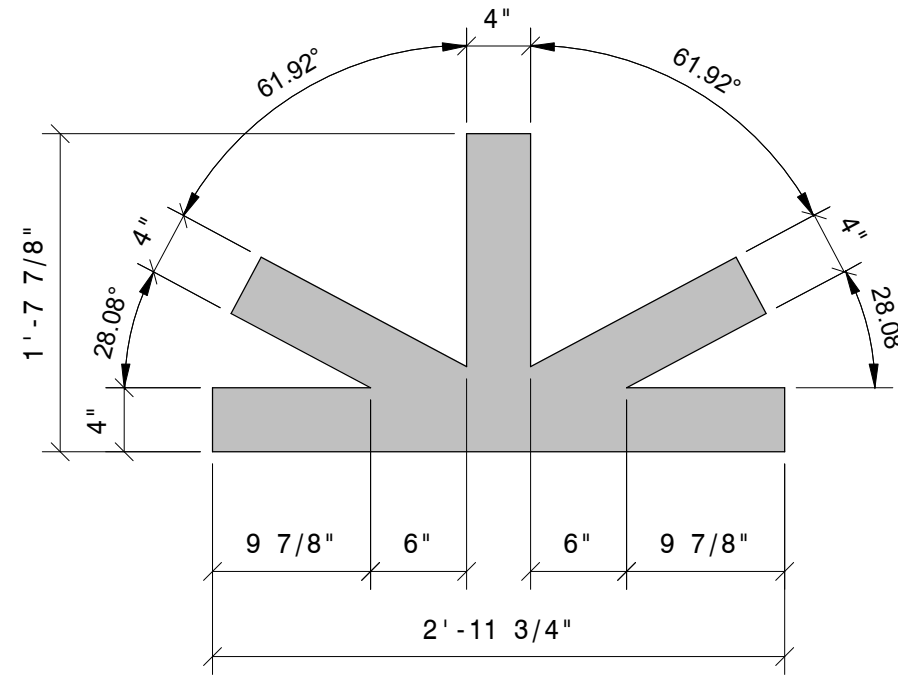
P1: AT COLUMN



P2: UPPER DIAGONAL

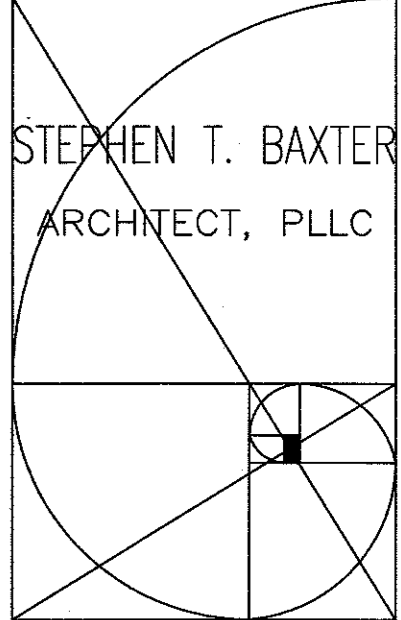


P3: AT PEAK



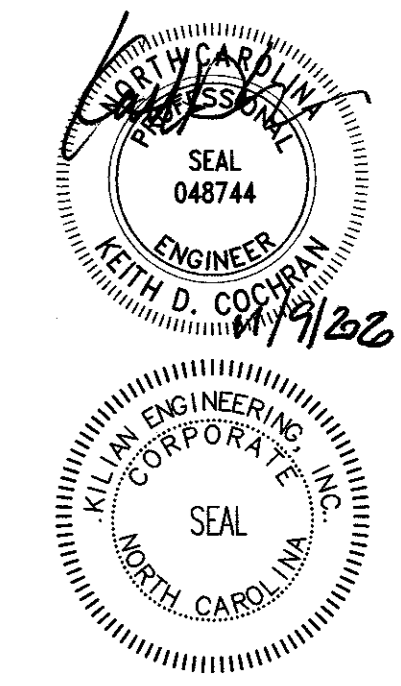
P4: LOWER CENTER

- 8 - DETAIL
1" = 1'-0"



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required. Not all dimensions may be used. See
Section 5.00 for details.



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GENERAL ELECTRICAL NOTES:

ADMINISTRATIVE:

- THE FOLLOWING ABBREVIATIONS SHALL APPLY TO NOTES AND PLANS:
PC - PLUMBING CONTRACTOR, EC - ELECTRICAL CONTRACTOR,
MC - MECHANICAL CONTRACTOR, GC - GENERAL CONTRACTOR,
FASC - FIRE ALARM SYSTEM CONTRACTOR.
- "PROVIDE" MEANS TO FURNISH AND INSTALL THE ELECTRICAL CONTRACTOR SHALL ALSO INSTALL MATERIALS AND EQUIPMENT FURNISHED BY OTHERS AND THE GENERAL CONTRACTOR AS REQUIRED.
- EC SHALL PROVIDE LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY AND REASONABLY INCIDENTAL TO INSURE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. MINOR ITEMS, ACCESSORIES, AND DEVICES REASONABLY INFERRABLE AS NECESSARY FOR THE COMPLETION AND PROPER OPERATION OF ANY ELECTRICAL SYSTEM SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- WORKMANSHIP SHALL BE IN ACCORDANCE WITH NECA 1 "STANDARD PRACTICE FOR GOOD WORKMANSHIP IN ELECTRICAL CONTRACTING."
- ALL MATERIALS AND EQUIPMENT SHALL BE DELIVERED TO THE SITE AND UNLOADED BY THE ELECTRICAL CONTRACTOR AT AN APPROVED LOCATION. THE ELECTRICAL CONTRACTOR SHALL PROTECT ALL MATERIALS AND EQUIPMENT FROM BREACHAGE, THEFT, AND THE ELEMENTS. ALL MATERIALS AND EQUIPMENT SHALL REMAIN THE PROPERTY OF THE ELECTRICAL CONTRACTOR UNTIL THE PROJECT HAS BEEN COMPLETED AND TURNED OVER TO THE OWNER.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS NECESSARY FOR THE COMPLETION OF THE WORK UNDER THIS CONTRACT.
- DO NOT SCALE THESE DRAWINGS-REFER TO ARCHITECTURAL SHEETS FOR DIMENSIONS.
- TRADE NAMES AND MANUFACTURERS ARE SPECIFIED TO ESTABLISH A QUALITY STANDARD. SUBSTITUTIONS MUST BE PERMITTED IF APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. ALL LISTED MODEL NUMBERS SHALL BE VERIFIED WITH THE MANUFACTURER FOR PROPER APPLICATION OF EQUIPMENT.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL CONTACT THE ENGINEER TO RESOLVE ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THESE PLANS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES PRIOR TO THE START OF CONSTRUCTION.
- GROUNDING AND BONDING SHALL BE PER NEC ARTICLE 250. THE RACEWAY SYSTEM SHALL NOT BE RELIED UPON FOR GROUNDING CONTINUITY. A GREEN EQUIPMENT GROUNDING CONDUCTOR, SIZED PER NEC TABLE 250-122, SHALL BE RUN IN ALL POWER RACEWAYS. FOR NON-ISOLATED GROUND CIRCUITS PROVIDE ONE EQUIPMENT GROUNDING CONDUCTOR PER CONDUIT RUN. FOR ISOLATED GROUND CIRCUITS, PROVIDE ONE NEUTRAL AND ONE ISOLATED GROUND WIRE FOR EACH CIRCUIT; IN ADDITION, PROVIDE ONE EQUIPMENT GROUNDING CONDUCTOR PER CONDUIT RUN. MAIN BONDING JUMPERS AND SYSTEM BONDING JUMPERS SHALL BE INSTALLED IN ACCORDANCE WITH 250.28 OF THE NEC. FOR BUILDINGS OR STRUCTURES SUPPLIED BY FEEDERS OR BRANCH CIRCUITS, GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH 250.32, SEPARATELY DERIVED AC SYSTEMS SHALL BE GROUNDING IN ACCORDANCE WITH 250.30. RESISTANCE TO GROUND SHALL NOT EXCEED 25 OHMS, ADDITIONAL GROUNDING ELECTRODES SHALL BE INSTALLED PER 250.56 AS NECESSARY.
- ALL MATERIALS AND EQUIPMENT SHALL COMPLY WITH THE UNDERWRITERS LABORATORIES, INC. STANDARDS OR HAVE UL APPROVAL, OR BEAR UL RE-CERTIFICATION LISTING WHERE SUCH APPROVAL HAS BEEN ESTABLISHED FOR THE TYPE OF DEVICE IN QUESTION.
- CONDUCTORS, FUSES, CIRCUIT BREAKERS, AND DISCONNECT SWITCHES SHOWN ON THESE PLANS HAVE BEEN SIZED FOR THE SPECIFIED EQUIPMENT. BEFORE OBTAINING ELECTRICAL EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS ON THE SITE AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES SHOULD CONDUCTOR, CIRCUIT BREAKER, OR FUSE SIZES REQUIRE CHANGE.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENSURE THE FOLLOWING MATERIALS ARE RECYCLED DURING THE CONSTRUCTION PHASE OF THE PROJECT: LIGHT FIXTURES, INCLUDING PROPER DISPOSAL OF BALLASTS, FLUORESCENT LIGHT BALLASTS, AND TRANSFORMERS, WIRING AND ELECTRICAL EQUIPMENT, AND INSULATION. WASTE MATERIALS CONTAINING LEAD, ASBESTOS, PCBs (FLUORESCENT LAMP BALLASTS), OR OTHER HARMFUL SUBSTANCES SHALL BE HANDLED AND DISPOSED OF IN ACCORDANCE WITH FEDERAL AND STATE LAWS AND REQUIREMENTS CONCERNING HAZARDOUS WASTE.
- ALL WORK SHALL CONFORM TO 2017 NATIONAL ELECTRIC CODE, 2018 STATE BUILDING CODE, AND ALL APPLICABLE LOCAL CODES.

MATERIALS:

- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES, RECEPTACLES, TERMINALS, ETC. UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS AND CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS, UNLESS NOTED OTHERWISE BY OTHER DISCIPLINES.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISTRIBUTION EQUIPMENT AS NECESSARY FOR A COMPLETE INSTALLATION. ALL EQUIPMENT IDENTIFIED FOR SERVICE ENTRANCE USE SHALL BE SO LABELED AND UL LISTED FOR SUCH USE. ELECTRICAL CONTRACTOR SHALL INSTALL ALL ELECTRICAL EQUIPMENT WITH CLEARANCES PER NEC 110.26. ELECTRICIAN SHALL PERMANENTLY LABEL EQUIPMENT PER NEC 110.24.
- ENCLOSED SAFETY SWITCHES SHALL BE HEAVY DUTY TYPE BY SQUARE D, Eaton, OR GE. ENCLOSED SWITCHES SHALL HAVE A HANDLE LOCATABLE IN THE OFF POSITION AND SHALL HAVE A HANDLE INTERLOCKED TO PREVENT OPENING THE FRONT COVER WHILE IN THE ON POSITION. ENCLOSED SWITCHES OF THE FUSIBLE TYPE SHALL BE FUSED IN ACCORDANCE WITH NAMEPLATE DATA WITH DUAL ELEMENT TYPE FUSES BY BUSSMAN, LITELFUSE, OR MERSEN.
- OCCUPANCY SENSORS SHALL BE BY WAITSTOPPER, LUTRON, LEVITON, SENSOR SWITCH, HUBBELL, OR APPROVED EQUAL.
- CIRCUIT BREAKERS SHALL BE MOLDED-CASE, THERMAL MAGNETIC TYPE WITH QUICK-MAKE, QUICK-BREAK MECHANISM, COMMON TRIP ON MULTI-POLE BREAKERS, AND UL LISTED FOR BOTH COPPER AND ALUMINUM CONDUCTORS. CIRCUIT BREAKERS IN PANELS SHALL BE SERIES RATED WITH THE BREAKER FEEDING THE PANEL FROM THE FACTORY.
- ALL WIRE CONNECTORS, TERMINALS, AND LUGS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. WHERE CONDUCTORS ARE RUN IN PARALLEL, LUGS SHALL BE LISTED FOR PARALLEL CONDUCTORS. PUSH WIRE CONNECTORS ARE NOT ALLOWED FOR BUILDING WIRE. PUSH CONNECTORS ARE ONLY ALLOWED, WHEN APPROVED, AS PART OF MANUFACTURED LISTED PRODUCTS. ALL WIRE SHALL BE INSTALLED IN CONDUIT UNLESS SPECIFICALLY NOTED OTHERWISE.
- THE INSULATION TYPE FOR INTERIOR WIRING SHALL BE DUAL RATED THIN/THIN OR XXRH; ALL WIRING INSTALLED BELOW GRADE OR IN MOST OR NET LOCATIONS SHALL HAVE TYPE THIN OR XXRH INSULATION. INSULATION VOLTAGE RATINGS SHALL BE 600 VOLTS AND A MINIMUM TEMPERATURE RATING OF 75°C. CONDUCTORS SHALL BE SOLID OR STRANDED COPPER FOR #10 AWG AND #12 AWG, AND STRANDED COPPER FOR #8 AWG AND LARGER SIZES. ALL WIRING AND CABLE SHALL BE UL LISTED. ALL TERMINATIONS AND DEVICES SHALL BE RATED FOR USE WITH 75°C CONDUCTORS. FINAL CONNECTIONS TO ALL MOTORS AND EQUIPMENT SUBJECT TO VIBRATION OR MOVEMENT SHALL BE MADE WITH STRANDED COPPER CONDUCTORS. CONDUCTORS SHALL BE BY CERRO WIRE, INC., INDUSTRIAL WIRE & CABLE, INC. OR SOUTHWIRE COMPANY.
- JOINTS IN SOLID CONDUCTORS SHALL BE SPLICED USING IDEAL "WIRE NUTS", 3M "SCOTCH LOCK", OR TAB "PIGGY" CONNECTORS IN JUNCTION BOXES, OUTLET BOXES, AND LIGHTING FIXTURES. JOINTS IN STRANDED CONDUCTORS SHALL BE SPLICED BY APPROVED MECHANICAL CONNECTORS AND GUM RUBBER TAPE OR FRICTION TAPE. SOLDERLESS MECHANICAL CONNECTORS FOR SPLICES AND TAPS, PROVIDED WITH UL APPROVED INSULATING COVERS, MAY BE USED INSTEAD OF MECHANICAL CONNECTORS PLUS TAPE. IN ALL CASES, CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND NO SPLICING SHALL BE MADE EXCEPT WITHIN OUTLET OR JUNCTION BOXES, TROUGHS, OR CUTTERS. WHERE CONCENTRIC, ECCENTRIC, OR OVERSIZED KNOCKOUTS ARE ENCOUNTERED, A GROUNDING TYPE INSULATED BUSHING SHALL BE PROVIDED.

ALL LUMINAIRES SHALL BE LISTED. LUMINAIRES IN WET OR DAMP LOCATIONS SHALL BE MARKED AS SUITABLE FOR THE RESPECTIVE USE. EMERGENCY LIGHTING SHALL BE INSTALLED AS SHOWN. FINAL LOCATIONS OF ALL OUT AND EMERGENCY LIGHTS SHALL BE VERIFIED WITH THE BUILDING INSPECTOR PRIOR TO INSTALLATION. ALL FLUORESCENT FIXTURES SHALL HAVE ELECTRONIC BALLASTS MEETING ANSI C82.11 FOR ELECTRONIC BALLAST PERFORMANCE. ALL BALLASTS SHALL BE UL LISTED AND MEET FEDERAL AND STATE EFFICIENCY REQUIREMENTS.

ALL CONDUIT, FITTINGS, COUPLINGS, AND SUPPORTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. CONDUIT FITTINGS AND COUPLINGS SHALL BE BY APPLETON, RACO, OR O-2/SEERNEY. COUPLINGS SHALL BE THREADED, SET-SCREW, OR COMPRESSION TYPE. INTERIOR OR GIMP TYPE ARE NOT PERMITTED. CONDUIT FITTINGS AT ALL ELECTRICAL BOXES INCLUDING PULL, JUNCTION, AND OUTLET BOXES, SHALL HAVE INSULATED THROATS TO PREVENT INSULATION SCORING. DIE CAST FITTINGS ARE NOT PERMITTED.

EMT SHALL BE MANUFACTURED IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE-AMERICAN NATIONAL STANDARD FOR STEEL ELECTRICAL METALIC TUBING (EMT), ANSI C80.3 AND UL 797. RIGID METAL CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI-AMERICAN NATIONAL STANDARD FOR ELECTRICAL RIGID STEEL CONDUIT (ERSC), ANSI C80.1 AND UL 6. INTERMEDIATE METAL CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI-AMERICAN NATIONAL STANDARD FOR INTERMEDIATE METAL CONDUIT ANSI C80.8 AND UL 7242.

METAL CONDUIT SHALL BE BY ALLOY TUBING & CONDUIT, BECK MANUFACTURING, INC., OR WHEATLAND TUBE COMPANY. FLEXIBLE METAL CONDUIT, LIQUID-TIGHT FLEXIBLE METAL CONDUIT, AND NONMETALLIC CONDUIT SHALL BE BY AFC CABLE SYSTEMS, INC., ELECTRO-FLEX COMPANY, OR INTERNATIONAL METAL HOSE.

MEMBERS OR EMBEDDED IN CONCRETE OR MASONRY. ELECTRICAL SUPPORTS SHALL NOT BE ATTACHED TO DUCTWORK, PIPING, OR THEIR EQUIPMENT. HANGERS SHALL BE CATALOG ITEMS COMPATIBLE WITH AND SUITABLE FOR THE INTENDED USE. FOR METAL ROOF DECK INSTALLATIONS, 1 IN EMT CONDUIT MAXIMUM AND 4 IN JUNCTION BOXES MAXIMUM MAY BE SUPPORTED BY DECKING. THE SUSPENDED CEILING SYSTEM SHALL NOT BE USED FOR THE SUPPORT OF ELECTRICAL RACEWAY SYSTEMS OR SUPPORT OF COMMUNICATIONS OR DATA SYSTEMS WIRING. CONTRACTOR SHALL COMPLY WITH 1613 OF THE NORTH CAROLINA GENERAL CONSTRUCTION BUILDING CODE.

ABANDONED CONDUIT AND BOXES SHALL HAVE ALL ELECTRICAL WIRING REMOVED COMPLETELY AND NOT LEFT "SAFE SWE" CONDUIT AND BOXES SHALL BE REMOVED WHERE PRACTICAL WITHOUT CREATING ADDITIONAL DEMOLITION/RESTITUTION WORK FOR OTHER TRADES.

WHERE CONDUCTORS ARE RUN IN PARALLEL, LUGS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. WHERE CONDUCTORS ARE RUN IN PARALLEL, LUGS SHALL BE LISTED FOR PARALLEL CONDUCTORS. PUSH WIRE CONNECTORS ARE NOT ALLOWED FOR BUILDING WIRE. PUSH CONNECTORS ARE ONLY ALLOWED, WHEN APPROVED, AS PART OF MANUFACTURED LISTED PRODUCTS. ALL WIRE SHALL BE INSTALLED IN CONDUIT UNLESS SPECIFICALLY NOTED OTHERWISE.

INSULATION TYPE FOR INTERIOR WIRING SHALL BE DUAL RATED THIN/THIN OR XXRH; ALL WIRING INSTALLED BELOW GRADE OR IN MOST OR NET LOCATIONS SHALL HAVE TYPE THIN OR XXRH INSULATION. INSULATION VOLTAGE RATINGS SHALL BE 600 VOLTS AND A MINIMUM TEMPERATURE RATING OF 75°C. CONDUCTORS SHALL BE SOLID OR STRANDED COPPER FOR #10 AWG AND #12 AWG, AND STRANDED COPPER FOR #8 AWG AND LARGER SIZES. ALL WIRING AND CABLE SHALL BE UL LISTED. ALL TERMINATIONS AND DEVICES SHALL BE RATED FOR USE WITH 75°C CONDUCTORS. FINAL CONNECTIONS TO ALL MOTORS AND EQUIPMENT SUBJECT TO VIBRATION OR MOVEMENT SHALL BE MADE WITH STRANDED COPPER CONDUCTORS. CONDUCTORS SHALL BE BY CERRO WIRE, INC., INDUSTRIAL WIRE & CABLE, INC. OR SOUTHWIRE COMPANY.

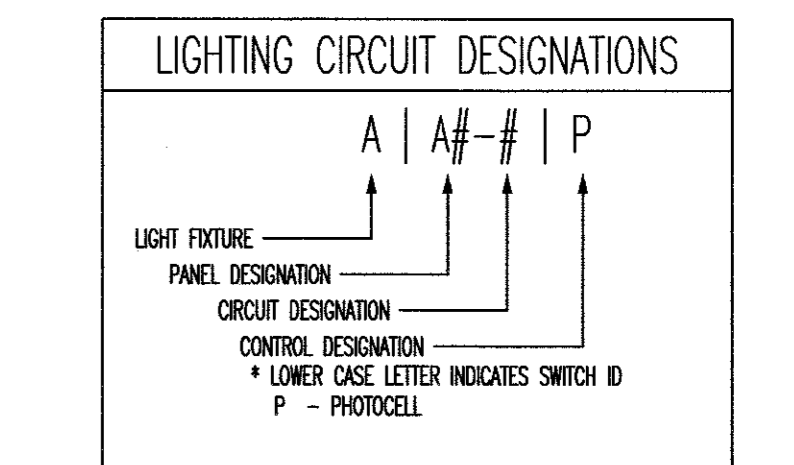
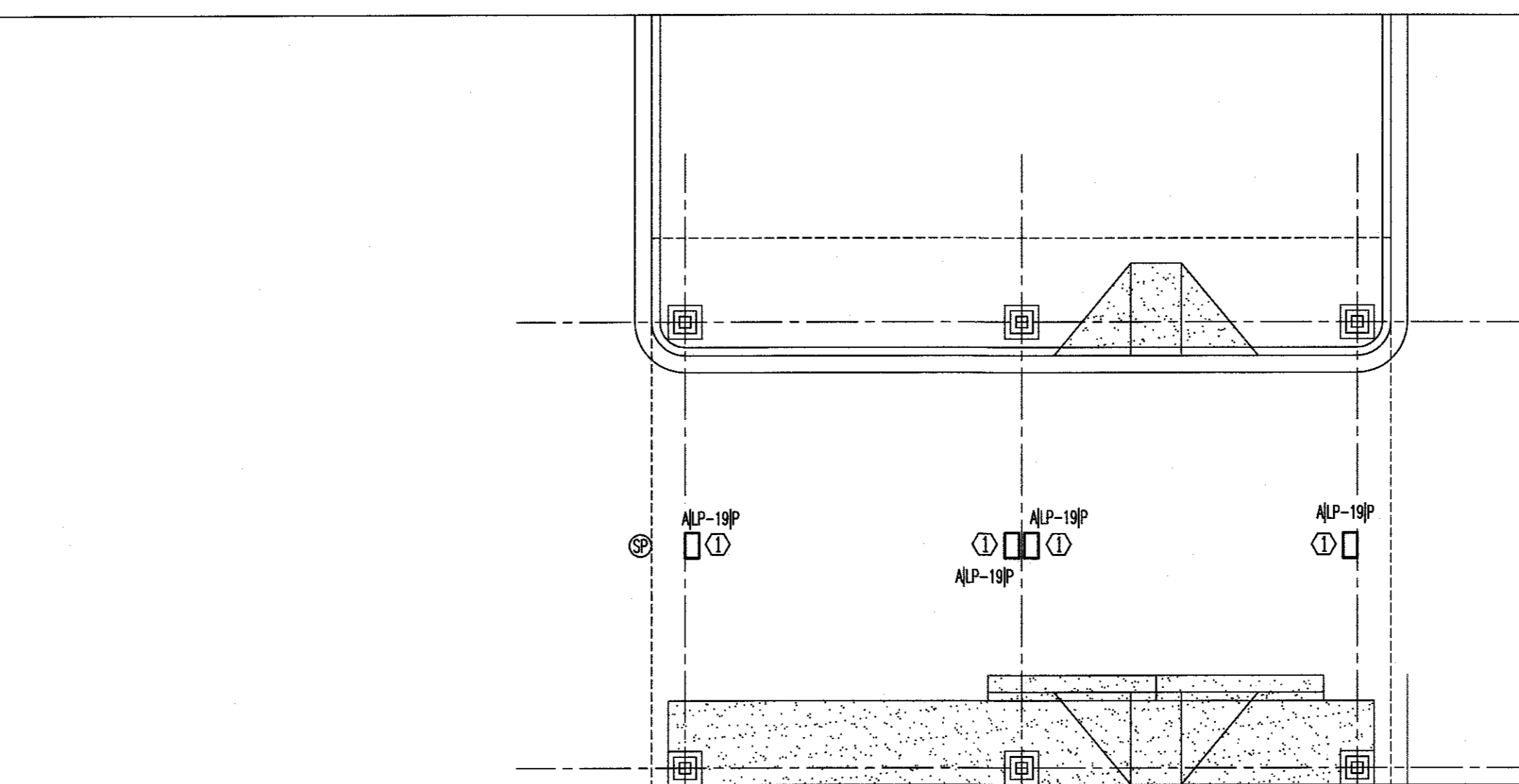
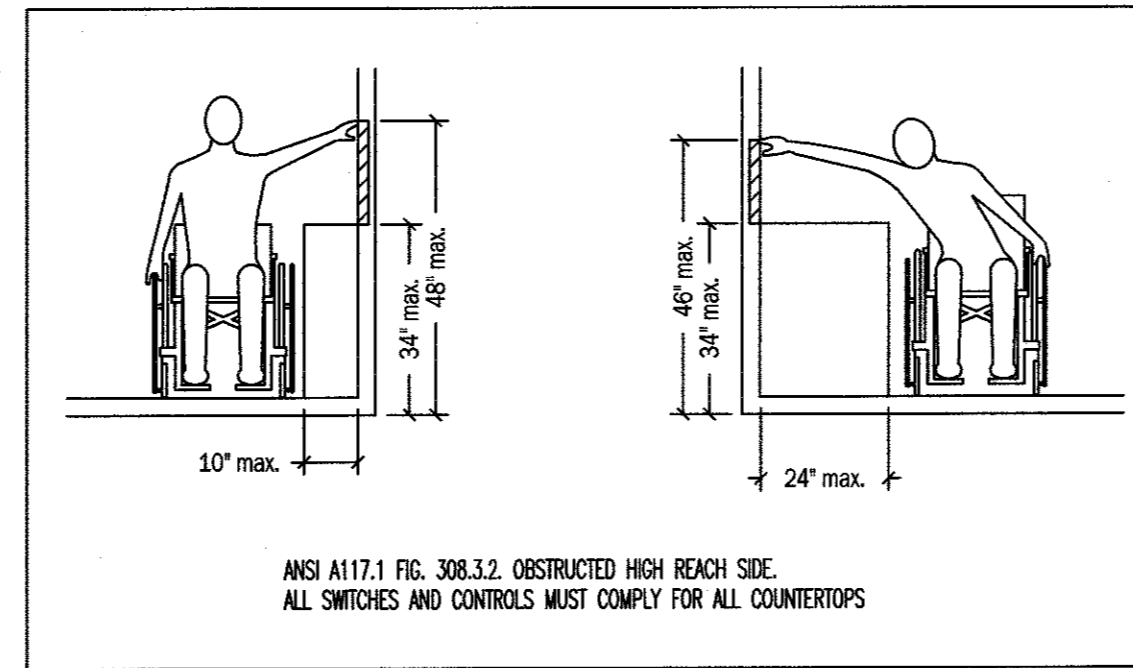
JOINTS IN SOLID CONDUCTORS SHALL BE SPLICED USING IDEAL "WIRE NUTS", 3M "SCOTCH LOCK", OR TAB "PIGGY" CONNECTORS IN JUNCTION BOXES, OUTLET BOXES, AND LIGHTING FIXTURES. JOINTS IN STRANDED CONDUCTORS SHALL BE SPLICED BY APPROVED MECHANICAL CONNECTORS AND GUM RUBBER TAPE OR FRICTION TAPE. SOLDERLESS MECHANICAL CONNECTORS FOR SPLICES AND TAPS, PROVIDED WITH UL APPROVED INSULATING COVERS, MAY BE USED INSTEAD OF MECHANICAL CONNECTORS PLUS TAPE. IN ALL CASES, CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND NO SPLICING SHALL BE MADE EXCEPT WITHIN OUTLET OR JUNCTION BOXES, TROUGHS, OR CUTTERS. WHERE CONCENTRIC, ECCENTRIC, OR OVERSIZED KNOCKOUTS ARE ENCOUNTERED, A GROUNDING TYPE INSULATED BUSHING SHALL BE PROVIDED.

MARK	DESCRIPTION	LOUVER/LENS	LAMPS		VOLTAGE	INPUT WATTAGE	MOUNTING	REMARKS	MFG	MODEL
			TYPE	CCT						
A	LED EXTERIOR WALL PACK	-	LED	4500K	277	61	SURFACE	1	ATLAS	WPM4LEDK20K

1. OR EQUAL BY COOPER OR DAY-BRITE LIGHTING

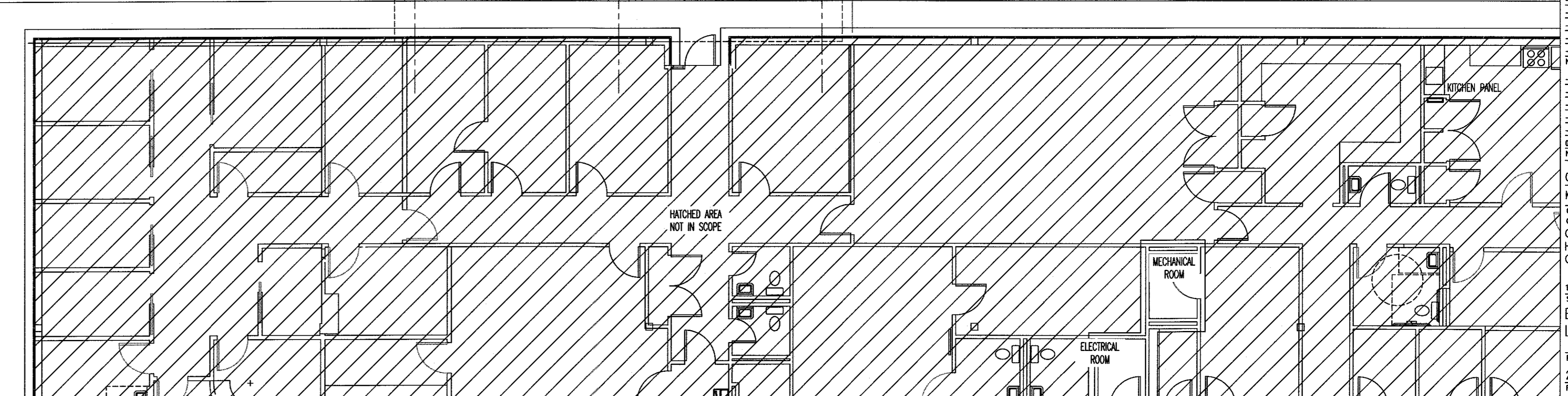
SYMBOL	DESCRIPTION	REMARKS
	SWITCHING PHOTOSENSOR	ACUITY BRANDS, DSV124-12AU, OR EQUIVALENT

SYMBOL	DESCRIPTION	REMARKS
	DUPLEX RECEPTACLE	NEMA 5-20R, HEAVY DUTY, COMMERCIAL GRADE, 125V, 20A COMPLYING WITH NEMA WD 6 AND WD 1. GFCI OR AFCI IF NOTED. "WP" DENOTES WEATHERPROOF COVER. "CF" DENOTES COUNTER HEIGHT. LISTED TAMPERPROOF IF NOTED. MEET FEDERAL SPECIFICATION W-C-596.



LIGHTING PLAN HEX NOTES

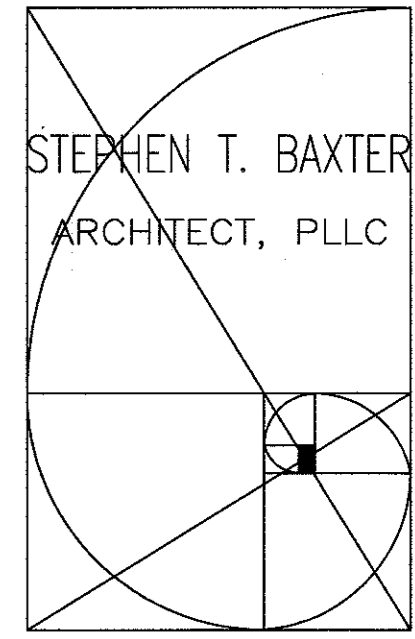
1. MOUNT LIGHTS AT 14' AFG. VERIFY MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH-IN.



No.	Revision	Date

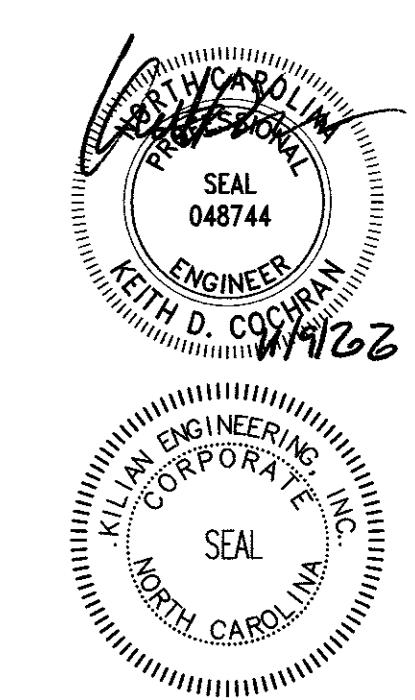
DATE FOR PRINTING: 11/29/2020
No. Issued: _____
Date: _____

Checked By: MKM/ADC
KE PROJECT NO.: 20476 Drawn By: RSB
Client/Project: Greenville-Vance District Health Department
GVD/HD HENDERSON FACILITY COVERED DRIVE THRU
Sheet Title: ELECTRICAL NOTES, SCHEDULES AND LIGHTING PLAN
Project No.: _____ Scale: _____
20476 1/8"=1'
Revision: _____ Drawing No.: _____
E-1



8133 Holly Forest Road
Woke Forest, North Carolina 27587
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Consultants
Kilian Engineering, Inc.
P.O. Box 3801, Henderson, NC 27536 | www.kilianengineering.com
P: 252-488-8778 | CORPORATE LICENSE C2277

EXISTING PANEL RP-1								
CKT	LOAD	BKR	LOAD kVA	PH	LOAD kVA	BKR	LOAD	CKT
1			0.00	A	0.00	20/3	EXISTING	2
3			0.00	B	0.00	20/3	EXISTING	4
5			0.00	C	0.00	20/3	EXISTING	6
7			0.00	A	0.00	20/3	EXISTING	8
9			0.00	B	0.00	20/3	EXISTING	10
11			0.00	C	0.00	20/3	EXISTING	12
13	EXISTING	20/1	0.00	A	0.00	20/1	EXISTING	14
15	EXISTING	20/1	0.00	B	0.00	20/3	EXISTING	16
17	EXISTING	20/1	0.00	C	0.00	20/3	EXISTING	18
19	EXISTING	20/1	0.00	A	0.00	20/1	EXISTING	20
21	SPACE		0.00	B	0.00	30/2	WATER HEATER	22
23	SPACE		0.00	C	0.00			24
25	SPACE		0.00	A	0.00	20/1	HAND DRYER	26
27	SPACE		0.00	B	0.00	20/1	HAND DRYER	28
29	SPACE		0.00	C	0.00	20/1	HAND DRYER	30
31	CANOPY RECEPT.	20/1	0.18	B	0.00	20/1	HAND DRYER	32
33	SPACE		0.00	A	0.00			34
35	SPACE		0.00	B	0.00			36
37	SPACE		0.00	C	0.00			38
39	SPACE		0.00	A	0.00			40
41	SPACE		0.00	B	0.00			42
43	SPACE		0.00	C	0.00			44
45	SPACE		0.00	A	0.00			46
47	SPACE		0.00	B	0.00			48
49	SPACE		0.00	C	0.00			50
51	SPACE		0.00	A	0.00			52
53	SPACE		0.00	B	0.00			54
			0.00	C	0.00			
			0.18	A	2			
			0.18	B	2			
			0.18	C	2			

ONLY NEW LOADS SHOWN

VOLTAGE/PHASE	208Y/120V, 3P, 4W
BUS RATING	200A
MAIN CIRCUIT BREAKER RATING	MLO
AIC RATING	EXISTING
SERVICE ENTRANCE RATED	ND
ENCLOSURE	NEMA 1
MOUNTING	SURFACE

1. EC TO VERIFY AND LABEL ALL LOADS IN PANEL.
2. ○ = DENOTES NEW LOAD.

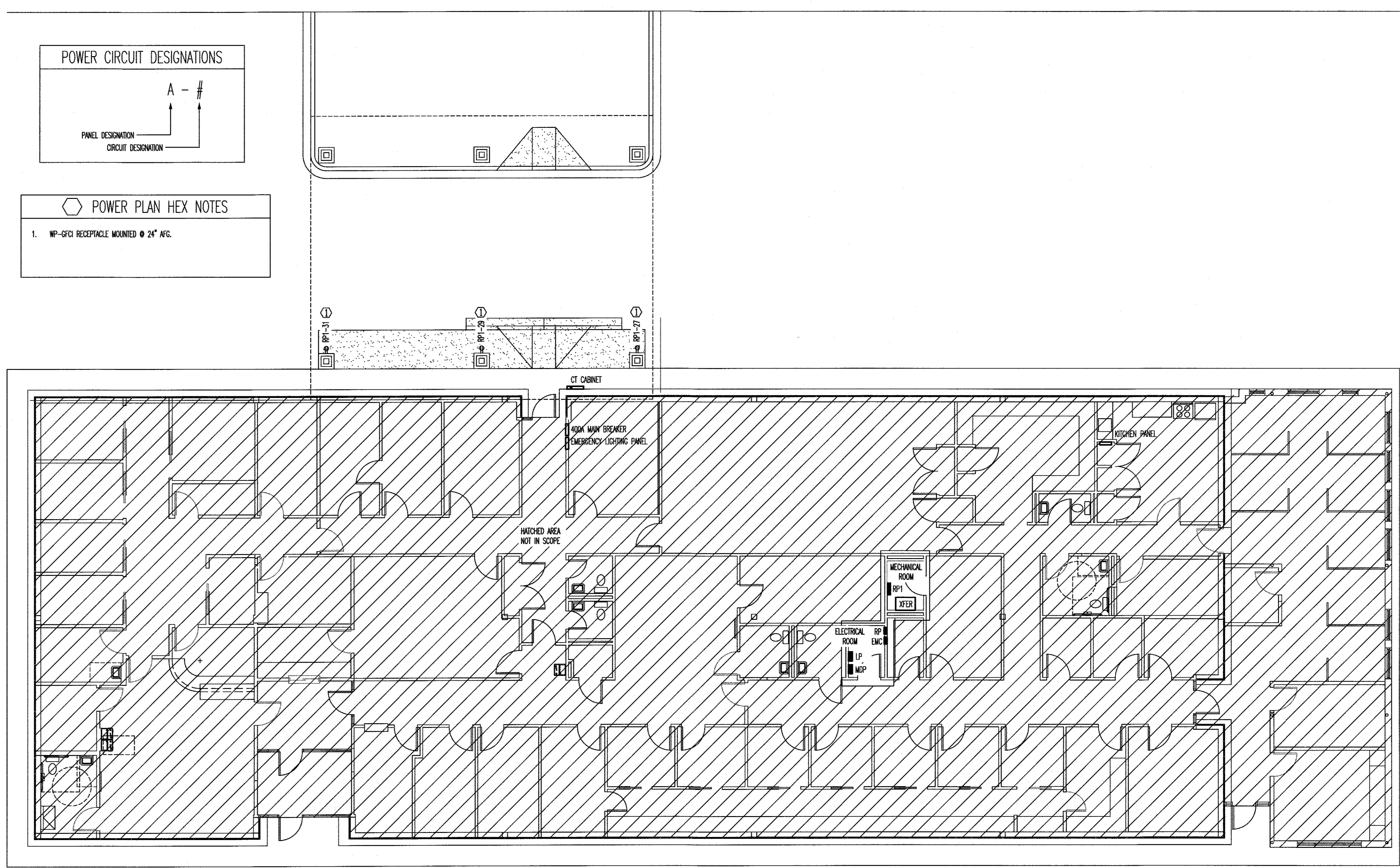
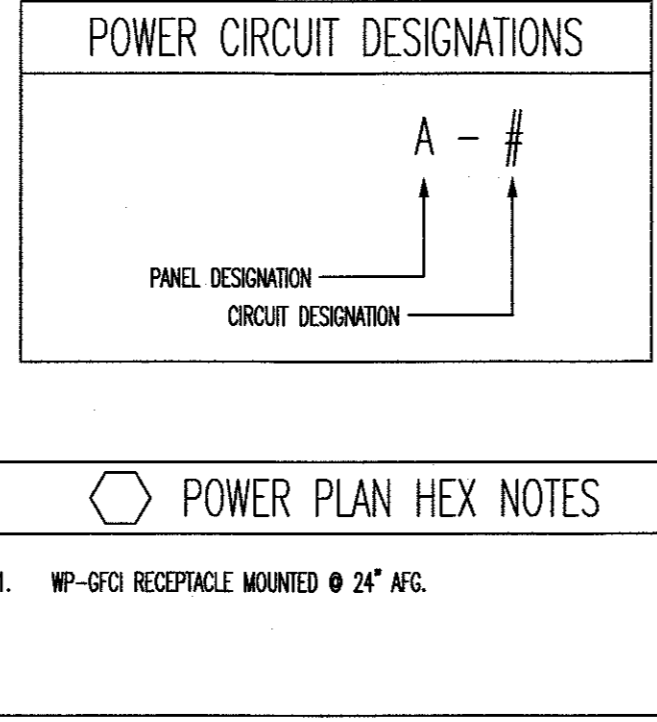
EXISTING PANEL LP								
CKT	LOAD	BKR	LOAD kVA	PH	LOAD kVA	BKR	LOAD	CKT
1			0.00	A	0.00	100/3	EXISTING	2
3	EXISTING	50/3	0.00	B	0.00	100/3	EXISTING	4
5			0.00	C	0.00	100/3	EXISTING	6
7	EXISTING	20/1	0.00	A	0.00	20/1	EXISTING	8
9	EXISTING	20/1	0.00	B	0.00	20/1	EXISTING	10
11	EXISTING	20/1	0.00	C	0.00	20/1	EXISTING	12
13	EXISTING	20/1	0.00	A	0.00	20/1	EXISTING	14
15	EXISTING	20/1	0.00	B	0.00	20/1	EXISTING	16
17	EXISTING	20/1	0.00	C	0.00	20/1	EXISTING	18
19	CANOPY LIGHTING	20/1	0.24	A	0.00	20/1	EXISTING	20
			0.2	A	1			
			0.0	B	0			
			0.0	C	0			

ONLY NEW LOADS SHOWN

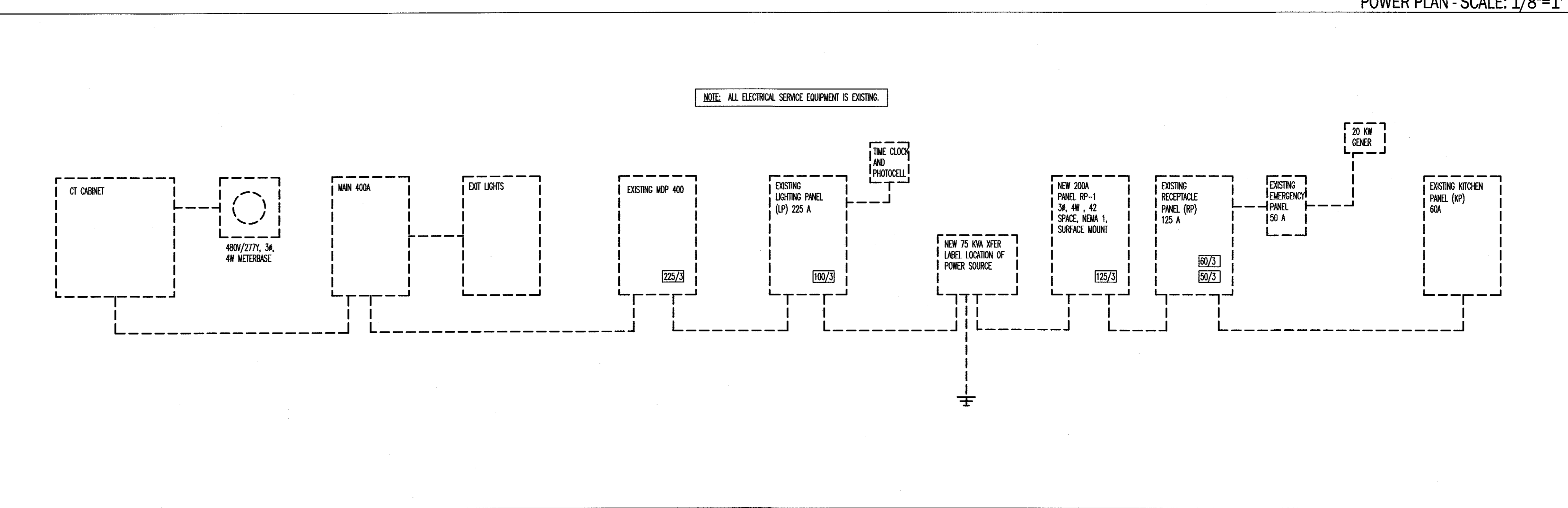
VOLTAGE/PHASE	277/480Y, 3P, 4W
BUS RATING	225A
MAIN CIRCUIT BREAKER RATING	MLO
AIC RATING	EXISTING
SERVICE ENTRANCE RATED	ND
ENCLOSURE	NEMA 1
MOUNTING	SURFACE

1. EC TO VERIFY AND LABEL ALL LOADS IN PANEL.
2. ○ = DENOTES NEW LOAD.

PANEL SCHEDULE - NO SCALE 1



POWER PLAN - SCALE: 1/8"=1' 2



POWER RISER - NO SCALE 3

No.	Revision	Date

Checked By: MWK/JDC
RE PROJECT NO: 20476 Drawn By: RSB
Client/Project
Granville Vance District Health Department
GV/DHD
HENDERSON FACILITY
COVERED DRIVE THRU
115 CHARLES D. ROLLINS RD., HENDERSON NC
Sheet Title
POWER PLAN, RISER AND PANEL
SCHEDULES
Project No. _____ Scale
20476 _____ 1/8"=1'
Revision _____ Drawing No. _____