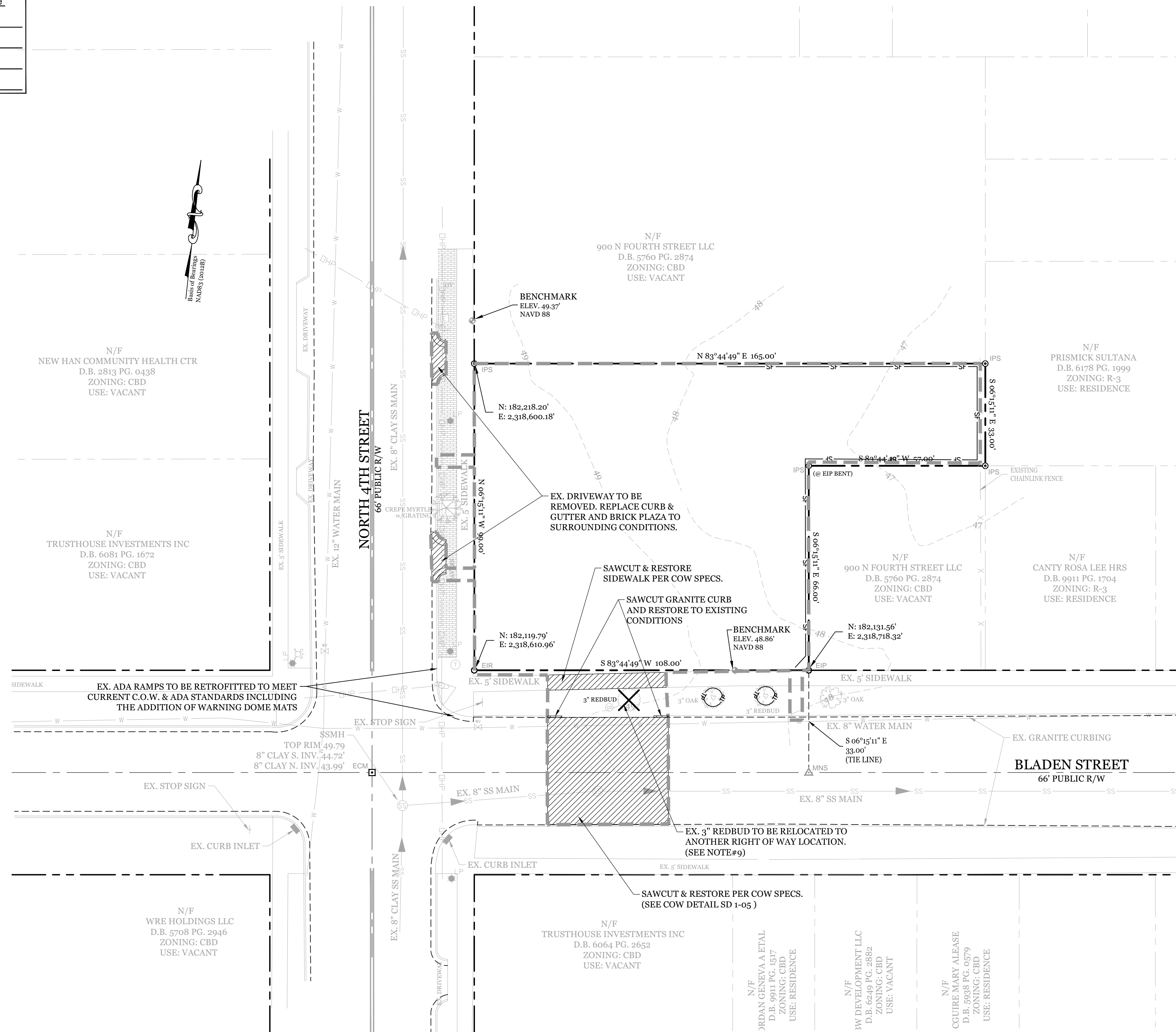


Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

**Approved Construction Plan**

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	

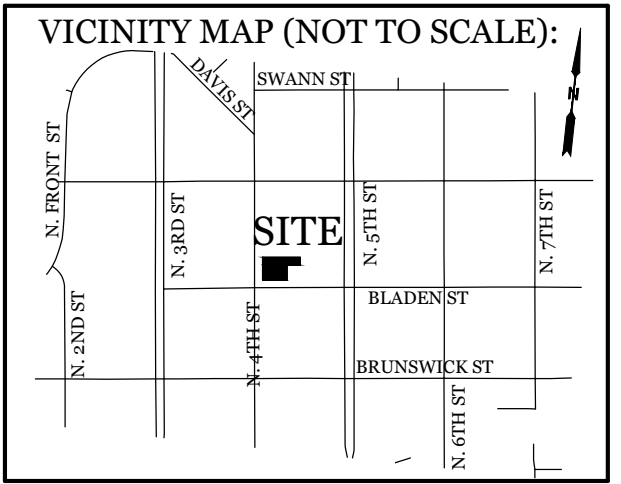


**SITE DATA**

PARCEL ID:	R04809-038-029-000
CURRENT ZONING:	CBD
CAMA LAND USE CLASSIFICATION:	URBAN
PROJECT ADDRESS:	401 BLADEN ST. WILMINGTON, NC 28401
CURRENT OWNER:	DAVID LISLE 614 MARKET ST. WILMINGTON, NC 28401
TOTAL ACREAGE IN PROJECT BOUNDARY:	12,573 S.F. (±0.29 ac.)
EXISTING ONSITE IMPERVIOUS AREAS:	SITE IS VACANT
SOIL TYPE:	Ku (Kureb-Urban land complex) (Per the USDA websoil survey map)

- NOTES:**
- EXISTING SURVEY DATA PROVIDED BY VERNON DEREK DANFORD, N.C. PLS No. L-4528
  - THIS LOT IS LOCATED IN ZONE "X" PER FRIS ON FIRM MAP NUMBER 3720311800L DATED: 08/28/2018.
  - NO WETLANDS EXIST ON SITE.
  - THIS PROPERTY IS NOT AFFECTED BY AN AEC.
  - NO CONSERVATION RESOURCES EXIST ON SITE.
  - THIS PROPERTY IS NOT AFFECTED BY ANY HISTORIC OR ARCHAEOLOGICAL SITES.
  - NO REGULATED TREES EXIST ON SITE.
  - PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, A CONSTRUCTION ENTRANCE AND SILT FENCING SHALL BE INSTALLED TO RESTRICT SEDIMENT LEAVING THE SITE.
  - CONTRACTOR AND/OR LANDSCAPER TO COORDINATE WITH CITY OF WILMINGTON URBAN FORESTRY DEPARTMENT EXACT LOCATION FOR RELOCATED 3" REDBUD STREET TREE.

**RECEIVED**  
By waltonj at 3:33 pm, Oct 29, 2020

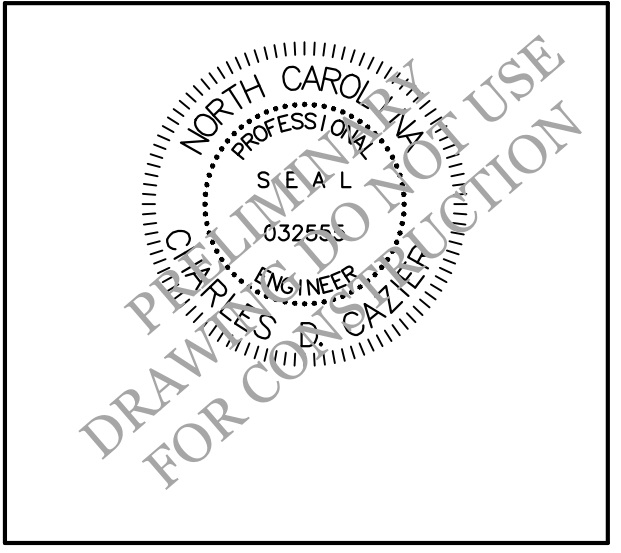


**REVISIONS**

No.	Description

**INTRACOASTAL ENGINEERING, PLLC**  
5725 Oleander Dr. Unit E-7  
Wilmington, North Carolina 28403  
Phone: 910.859.8983  
Email: Charlie@intracoastalengineering.com  
License Number: P-0662

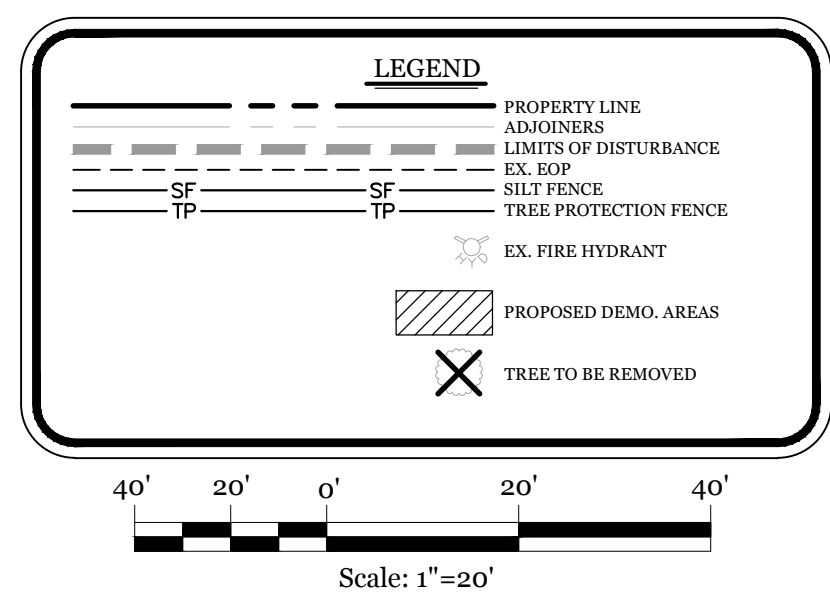
**EXISTING CONDITIONS, TREE REMOVAL/PROTECTION & DEMOLITION PLAN FOR THE MODERN**  
401 BLADEN ST.  
CITY OF WILMINGTON  
NEW HANOVER COUNTY, NC



**CLIENT INFORMATION:**  
Lisle Architecture & Design, Inc.  
David Lisle  
614 Market St.  
Wilmington, NC 28401  
Ph. 910-763-6053

DRAWN:	JAE	SHEET SIZE:	24x36
CHECKED:	CDC	DATE:	10/29/2020
APPROVED:	CDC	SCALE:	1" = 20'
PROJECT NUMBER:	2020-006		

DRAWING NUMBER: **C-0**  
1 OF 5

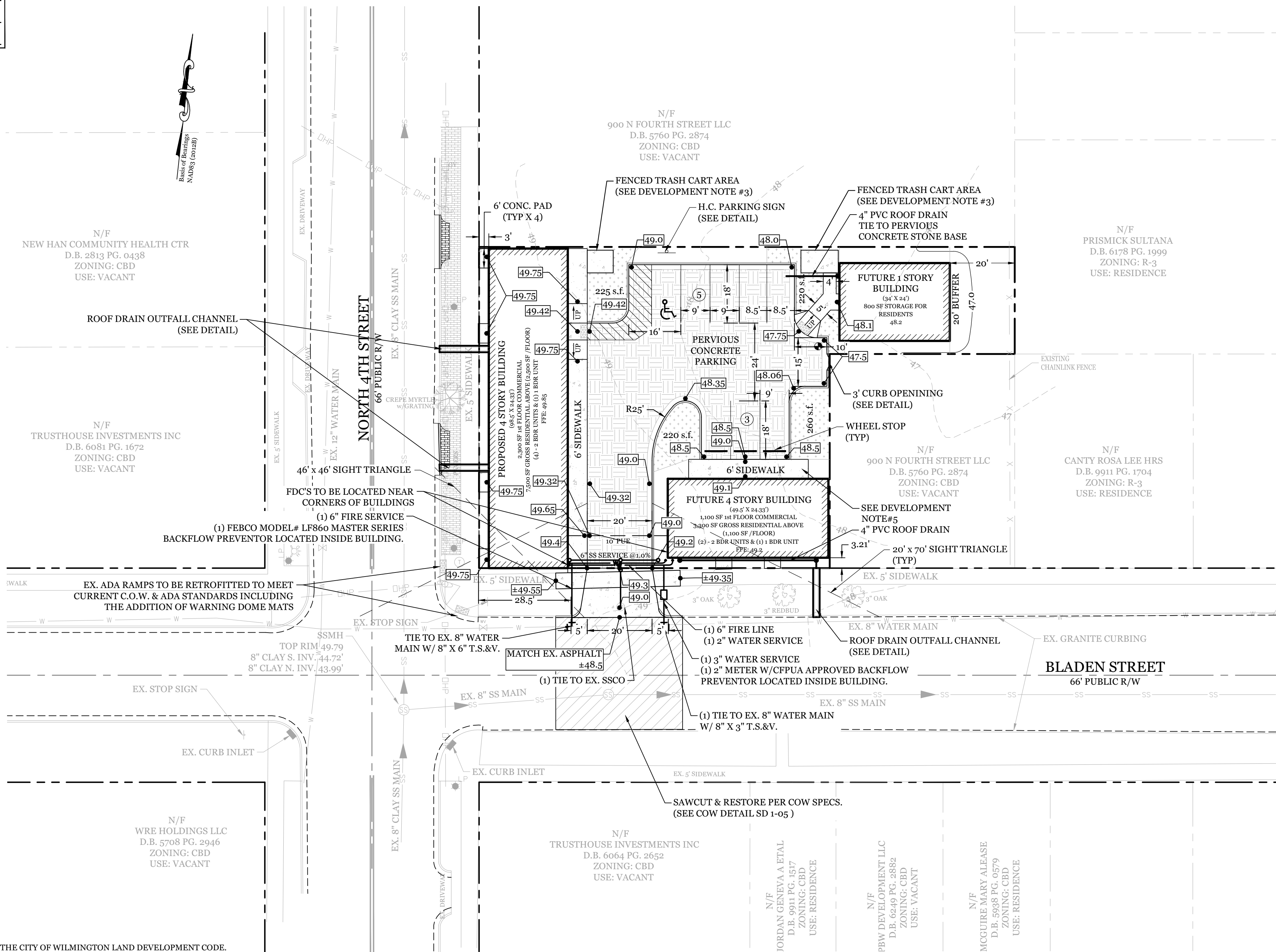


Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

**Approved Construction Plan**

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	



**DEVELOPMENT NOTES:**

1. ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE CITY OF WILMINGTON LAND DEVELOPMENT CODE.
2. PROJECT SHALL COMPLY WITH ALL FEDERAL, STATE & NEW HANOVER COUNTY REGULATIONS.
3. FENCED TRASH CART AREA(S) SHALL BE COMPLETELY ENCLOSED AND SCREENED WITH A SHADOWBOX STYLE FENCE. THE ENCLOSURE SHALL BE AT LEAST ONE (1) FOOT TALLER THAN THE HIGHEST POINT OF THE TRASH RECEPTACLE, CHAIN LINK AND EXPOSED CONCRETE BLOCKS ARE PROHIBITED.
4. ALL ROOF RUNOFF TO BE DIRECTED TO PERVIOUS CONCRETE PARKING AREA.
5. PROPOSED VEGETATION TO BE REMOVED AT TIME OF FUTURE BUILDING AND SIDEWALK CONSTRUCTION.

**FIRE & SAFETY NOTES:**

1. CONSTRUCTION TYPE: V-B (COMMERCIAL)
2. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3'-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC.
3. CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
4. HYDRANTS SHALL BE OF SUFFICIENT NUMBERS TO ACCOMMODATE BASE FIRE FLOW REQUIREMENTS OF STRUCTURE.
5. IN ADDITION TO THE STANDARD COMMENTS, ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
6. A HYDRANT MUST BE WITHIN 150' OF THE FDC (MEASURED AS THE TRUCK DRIVES FOR PRACTICAL USE)
7. FDC MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT.
8. PRIVATE UNDERGROUND FIRE LINES REQUIRE A SEPARATE UNDERGROUND FIRE LINE PERMIT FROM THE WILMINGTON FIRE AND LIFE SAFETY DIVISION 910-343-0666
9. ALL ISOLATION VALVES WITHIN THE "HOT BOX" AND BETWEEN THE "HOT BOX" AND THE RISER ROOM, MUST BE ELECTRICALLY SUPERVISED.
10. CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL COMMERCIAL BUILDINGS THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET THE REQUIREMENTS OF SECTION 510 OF THE 2018 NC FIRE CODE.
11. STANDPIPE(S) WILL BE REQUIRED BECAUSE THE FLOOR ELEVATION IS GREATER THAN 30' ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS
12. NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS BEING DELIVERED TO THE SITE.

**TRAFFIC NOTES:**

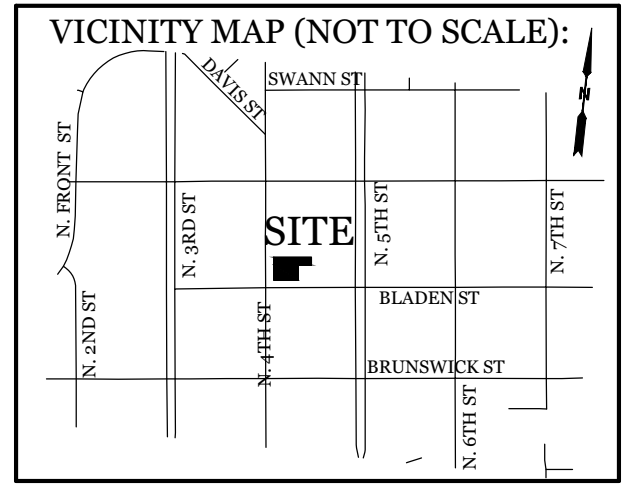
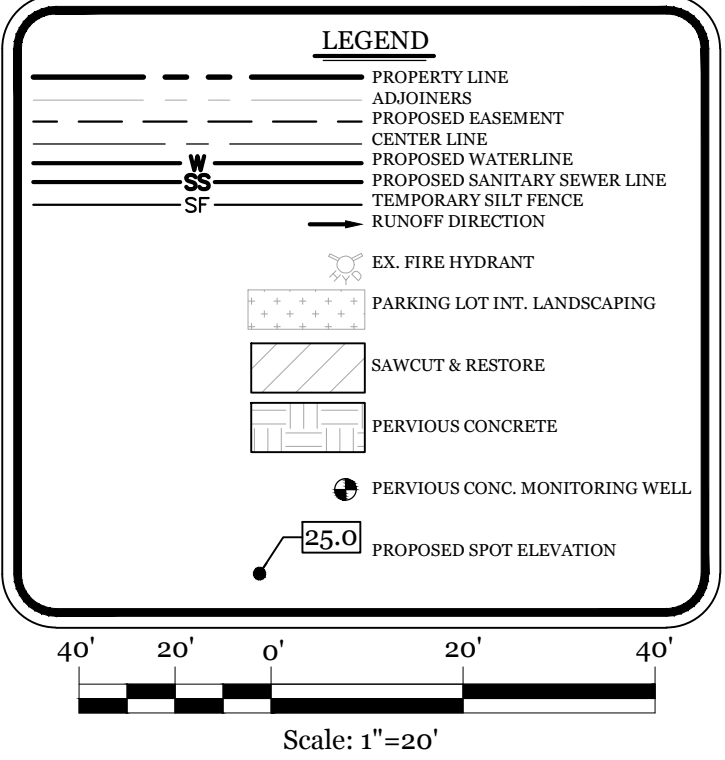
1. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS. [DETAIL SD 15-13 & SD 11-13 COFW TECH STDS]
2. ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS. [DETAIL SD 15-13 & SD 11-13 COFW TECH STDS]
3. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
4. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. NOTE THIS ON THE PLAN AND CONTACT 341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
5. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
6. A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND LANDSCAPE AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT. [SD 15-14 COFW TECH STDS]
7. CONTACT 811 PRIOR TO CONTACTING CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE UTILITIES IN ROW.
8. ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30' TO 10'.

**UTILITY NOTES:**

1. EXISTING WATER AND SANITARY SEWER SERVICES ARE CURRENTLY AVAILABLE TO THE SITE FROM CAPE FEAR PUBLIC UTILITY AUTHORITY PUBLIC MAINS.
2. ALL PROPOSED UTILITY SERVICES, SUCH AS ELECTRIC POWER, CATV, GAS & TELEPHONE SHALL BE INSTALLED UNDERGROUND.
3. ALL WATER & SEWER UTILITIES TO BE INSTALLED PER CFPWA TECHNICAL SPECIFICATIONS & STANDARDS.
4. PROJECT SHALL COMPLY WITH CFPWA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND N.C.D.E.N.R. HAS ISSUED THEIR "FINAL APPROVAL." CALL 332-6558 FOR INFORMATION.
5. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPWA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USFCPCCHR OR ASSE.
6. IF CONTRACTOR DESIRES CFPWA WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
7. WHEN PVC WATER MAINS AND SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED, SINGLE-STRAND COPPER WIRE INSTALLED & STRAPPED TO THE PIPES WITH DUCT TAPE. THIS IS TO BE ACCESSIBLE IN ALL VALVES AND METER BOXES TO AID IN FUTURE LOCATION OF UTILITIES.
8. SEWER GUARDS REQUIRED AT ALL MANHOLES. STAINLESS STEEL SEWER GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
9. SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT RIGHT-OF-WAY LINE. SERVICES IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR OR MUST ORIGINATE IN MANHOLE AND TERMINATE AT RIGHT-OF-WAY LINE.
10. ALL SERVICES TYING INTO DUCTILE IRON MAINS SHALL BE CONSTRUCTED OF CLASS 50 D.I.P. WITH PROTECTO 401 CERAMIC EPOXY LINING.
11. MINIMUM 10' UTILITIES EASEMENT PROVIDED ALONG THE FRONTAGE OF ALL LOTS AND AS SHOWN FOR NEW DEVELOPMENTS.
12. NO FLEXIBLE COUPLINGS SHALL BE USED.
13. ALL STAINLESS STEEL FASTENERS SHALL BE 316.
14. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OR EXISTING UTILITIES DURING CONSTRUCTION. CALL U-LOCO AT 1-800-632-4949. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY UTILITIES, CURB & GUTTER, PAVEMENT, ETC. THAT MAY BE DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE QUALITY OR WORKMANSHIP FOUND IN THE ORIGINAL ITEM.
15. THE BELLSOUTH CONTACT IS STEVE DAYVAULT, BUILDING INDUSTRY CONSULTANT, AT 910-392-8712. CONTACT HIM PRIOR TO STARTING THE PROJECT IN ORDER TO FACILITATE GOOD COMMUNICATION AND MAXIMUM FLEXIBILITY.
16. THE PROCESS FOR TELEPHONE CABLE PLACEMENT: \* FINAL GRADE WILL NEED TO BE ESTABLISHED. \* POWER WILL PLACE THEIR CABLE FIRST - APPROXIMATELY 3' DEEP. \* BELLSOUTH & COW TV WILL THEN PLACE THEIR CABLE AT APPROXIMATELY 2' DEEP.
17. SOLID WASTE DISPOSAL IS COW CURBSIDE PICKUP.
18. SHOULD ADDITIONAL SERVICES BE LOCATED DURING CONSTRUCTION, THEY MUST EITHER BE UTILIZED OR ABANDONED.
19. NO SITE LIGHTING IS PROPOSED. ANY FUTURE EXTERIOR SITE LIGHTING SHALL BE INSTALLED SO AS NOT TO SHINE DIRECTLY ONTO ADJACENT PARCELS.

**SITE DATA**

PARCEL ID:	R04809-038-029-000
CURRENT ZONING:	CBD
CAMA LAND USE CLASSIFICATION:	URBAN
PROJECT ADDRESS:	401 BLADEN ST. WILMINGTON, NC 28401
CURRENT OWNER:	DAVID LISLE 614 MARKET ST. WILMINGTON, NC 28401
TOTAL ACREAGE IN PROJECT BOUNDARY:	12,573 S.F. (+0.29 ac.)
TOTAL DISTURBED AREA:	0.33 ACRES
NUMBER OF BUILDINGS:	3
NUMBER OF RESIDENTIAL UNITS:	8 TOTAL (6 @ 2 BDR & 2 @ 1 BDR)
TOTAL BUILDING SIZE IN GFA: *See plan for individual building breakdowns*	COMMERCIAL: 3,400 S.F. RESIDENTIAL: 10,800 S.F. RES. STORAGE: 800 S.F. TOTAL: 15,000 S.F. GFA
BUILDING HEIGHT:	±50 / 4 STORY (60' MAX. ALLOWED)
BUILDING SETBACKS:	FRONT: REQUIRED= 0' SIDE: REQUIRED= 0' REAR: REQUIRED= 0'
CALCULATION FOR BUILDING COVERAGE: PROPOSED COVERAGE	4,715 S.F. ÷ 12,537 S.F. = 37.6%
PROPOSED ON-SITE IMPERVIOUS AREAS: BUILDING ROOF CONCRETE SIDEWALK, C&G, ETC. TOTAL	4,715 S.F. 1,645 S.F. 6,360 S.F. (50.1%)
PROPOSED ON-SITE PERVIOUS AREAS: PERVIOUS CONCRETE PARKING:	3,834 S.F.
PROPOSED OFF-SITE PERVIOUS AREAS: CONC. SIDEWALK / DRIVEWAY APRON *INCLUDING REPLACEMENT SIDEWALK	430 S.F.*
OFF STREET PARKING REQUIRED:	REQUIRED: NO MINIMUM REQUIRED MIN: 37 SPACES MAX: 2.5 Spaces/du + 1/200 sq.ft. Commercial=
PROPOSED:	8 SPACES (1 H.C. SPACE)
BICYCLE PARKING REQUIRED: (MIN. 5 PER 25-125 VEHICLE SPACES)	REQUIRED: 0 SPACES PROVIDED: 0 SPACES
ESTIMATED TRIP GENERATION (Per Trip Generation Manual, 10th Edition): 8 RESIDENTIAL UNITS (ITE CODE 231)	AM PEAK: 2 PM PEAK: 3 DAILY: 28
3,400 SF OFFICE (ITE CODE 710)	AM PEAK: 4 PM PEAK: 4 DAILY: 33
PROJECT TOTAL AM PEAK: 6	PM PEAK: 7 DAILY: 61
EXISTING SEWER AND WATER DEMAND: =	0 GPD
PROPOSED SEWER AND WATER DEMAND:	2,295 GPD



**REVISIONS**

NO.	DESCRIPTION

**INTRACOASTAL ENGINEERING, PLLC**  
5725 Oleander Dr., Unit E-7  
Wilmington, North Carolina 28403  
Phone: 910.859.8983  
Email: Charlie@intracoastalengineering.com  
License Number: P-0662

**SITE, GRADING, DRAINAGE, & UTILITIES PLAN**  
FOR  
**THE MODERN**  
401 BLADEN ST.  
CITY OF WILMINGTON  
NEW HANOVER COUNTY, NC

**DRAWING NOT TO BE USED FOR CONSTRUCTION**

**CLIENT INFORMATION:**  
Lisle Architecture & Design, Inc.  
David Lisle  
614 Market St.  
Wilmington, NC 28401  
Ph. 910-763-6053

DRAWN:	JAE	SHEET SIZE:	24x36
CHECKED:	CDC	DATE:	10/29/2020
APPROVED:	CDC	SCALE:	1" = 20'
PROJECT NUMBER:	2020-006		

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

**Approved Construction Plan**

Name \_\_\_\_\_ Date \_\_\_\_\_

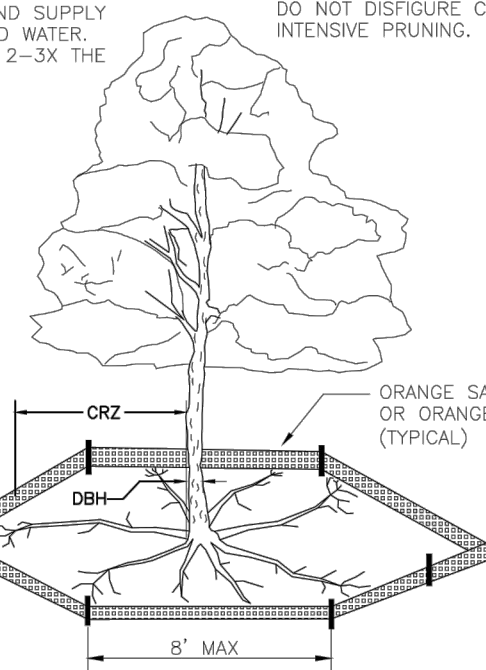
Planning \_\_\_\_\_

Public Utilities \_\_\_\_\_

Traffic \_\_\_\_\_

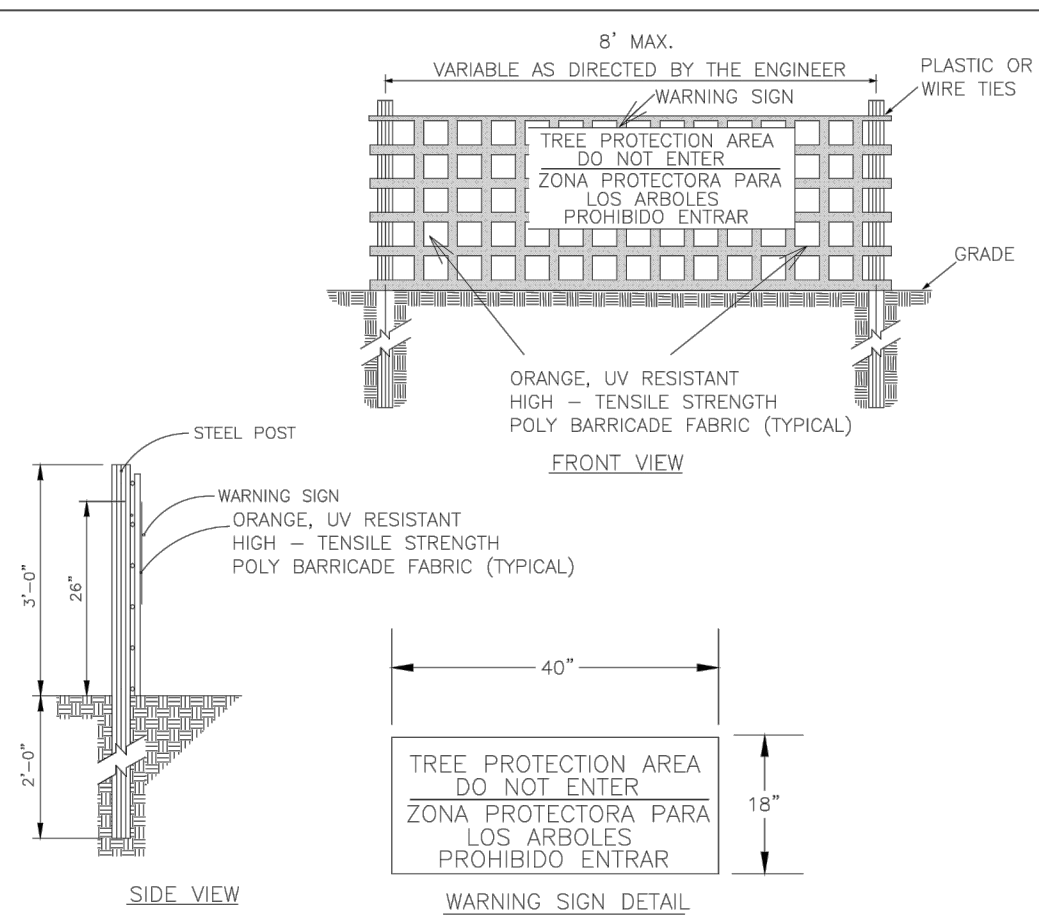
Fire \_\_\_\_\_

NOTE: THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS LAY. 85% OF MOST TREE ROOTS ARE FOUND IN THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2-3x THE HEIGHT OF THE TREE.



- NOTES:
1. PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
  2. CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
  3. IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR LOGGING MATS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
  4. WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
  5. FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
  6. FAILING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION.

DATE: JAN, 2015	STANDARD DETAIL	<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807</p>	SD 15-09
DRAWN BY: JSR	TREE PROTECTION DURING CONSTRUCTION		SHEET 1 of 2
CHECKED BY: RDL, P.E.			
SCALE: NOT TO SCALE			



- NOTES:
1. THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
  2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM. CLEARLY LEGIBLE AND SPACED AS DETAILED.
  3. SIGNS SHALL BE PLACED AT 90' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
  4. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
  5. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
  6. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.

DATE: JAN, 2015	STANDARD DETAIL	<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807</p>	SD 15-09
DRAWN BY: JSR	TREE PROTECTION DURING CONSTRUCTION		SHEET 2 of 2
CHECKED BY: RDL, P.E.			
SCALE: NOT TO SCALE			

**SITE WORK NOTES:**

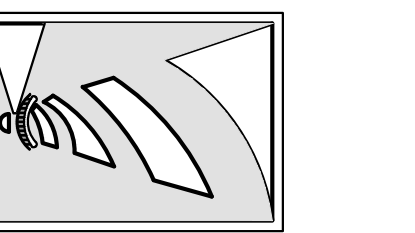
1. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS BOTH ON AND ADJACENT TO THE SITE.
2. CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS OF CONSTRUCTION UNLESS OTHERWISE DESIGNATED TO REMAIN.
3. GRUBBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITHIN LIMITS OF CONSTRUCTION.
4. MUCKING: CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY SOFT AREAS.
5. DISPOSAL: CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
6. FILL AND COMPACTION SHOULD COMPLY WITH GEOTECHNICAL RECOMMENDATIONS.
7. THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED EARTHWORK CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT AND FILL QUANTITIES AND COMPLETE INSTALLATION TO SPECIFIED GRADES.
8. THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE PROPERLY PERMITTED FACILITY AS REQUIRED.
9. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES AT ALL CROSSINGS PRIOR TO COMMENCING TRENCH EXCAVATION. IF ACTUAL CLEARANCES ARE LESS THAN INDICATED ON PLAN, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. ANY CONDITION DISCOVERED OR EXISTING THAT WOULD NECESSITATE A MODIFICATION OF THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
10. NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NC ONE-CALL" AT LEAST 48 HOURS BEFORE COMMENCING CONSTRUCTION.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. BEFORE COMMENCING ANY EXCAVATIONS IN OR ALONG ROADWAYS OR RIGHT-OF-WAYS, PUBLIC AREAS OR IN PRIVATE EASEMENTS, THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE PERSONNEL OF THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN 10 DAYS PRIOR TO EXCAVATING.
12. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE PERSONNEL.
13. CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE & CURB BOXES TO FINAL GRADE UPON COMPLETION OF ALL CONSTRUCTION. ANY BOXES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
14. EXISTING SURVEY DATA PROVIDED BY ESP ASSOCIATES, INC.
15. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE. FURTHERMORE THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES OR QUESTIONS TO THE ENGINEER PRIOR TO INSTALLATION.
16. THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK UNLESS OTHERWISE DIRECTED BY OWNER.
17. ALL SERVICE CONNECTIONS SHALL BE INSTALLED TO MEET ALL LOCAL, STATE, AND CPPUA CODES. METERS, TAPS, MATERIALS, WORKMANSHIP AND ALL FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL REQUIREMENTS.
18. ALL BACKFILL FROM UTILITY INSTALLATION MUST BE COMPACTED OR AMENDED TO PROVIDE TRAFFIC BEARING CAPACITY. GEOTECHNICAL ENGINEER TO BE CONSULTED AT CONTRACTORS COST AS NECESSARY.
19. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AT ALL TIMES.
20. CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS - AIR ENTRAINED.
21. FIELD TESTING SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY PAID FOR BY THE OWNER. FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID FOR BY THE CONTRACTOR.
22. ALL SIDEWALKS SHALL BE FREE OF CRACKS, BREAKS, OR ANY OTHER DEFECT PRIOR TO RECEIVING A CERTIFICATE OF OCCUPANCY.

**VICINITY MAP (NOT TO SCALE):**

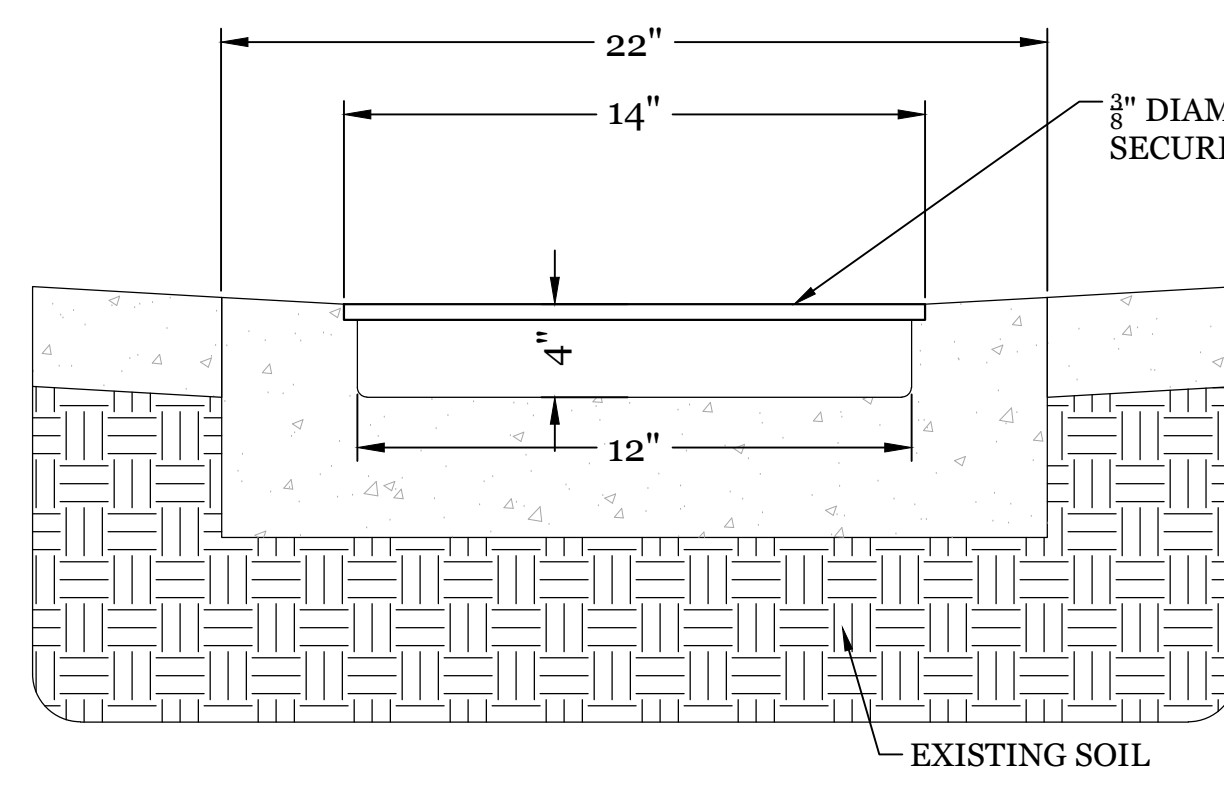


REVISIONS

**INTRACOASTAL ENGINEERING, PLLC**  
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Wilmington, North Carolina 28403  
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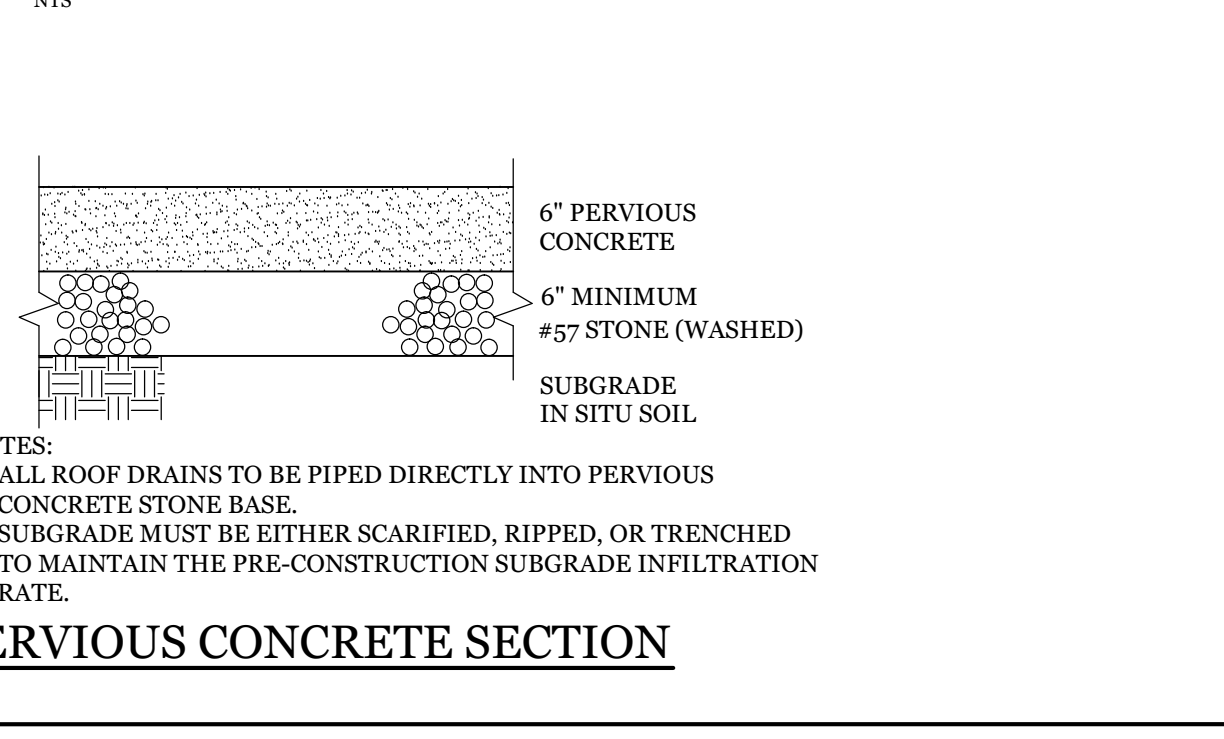


**DETAILS FOR THE MODERN**  
401 BLADEN ST.  
CITY OF WILMINGTON  
NEW HANOVER COUNTY, NC

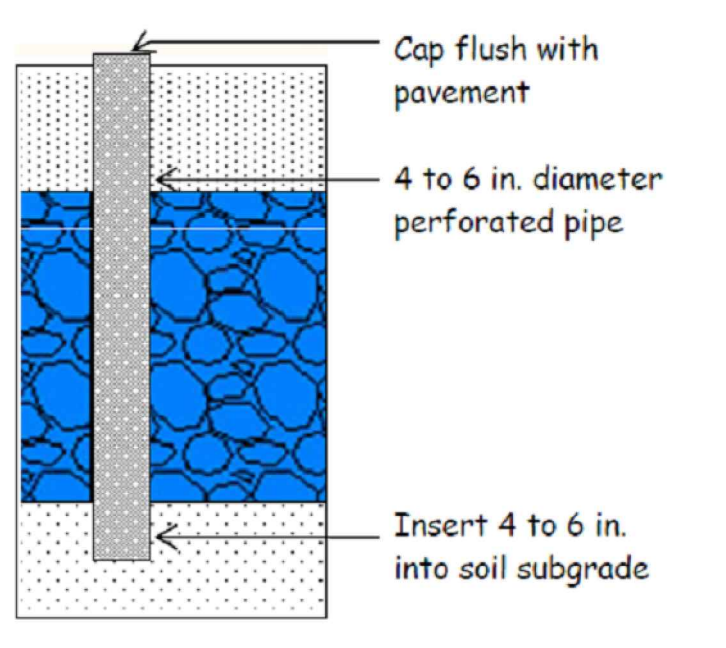


- NOTE:
1. A CUSTOM FRAME WITH SPREADERS IS TO BE FABRICATED, ANCHORED INTO THE CONCRETE OUTFALL CHANNEL PROVISIONS TO BOLT COVER IN PLACE.

**ROOF DRAIN OUTFALL CHANNEL SECTION DETAIL**

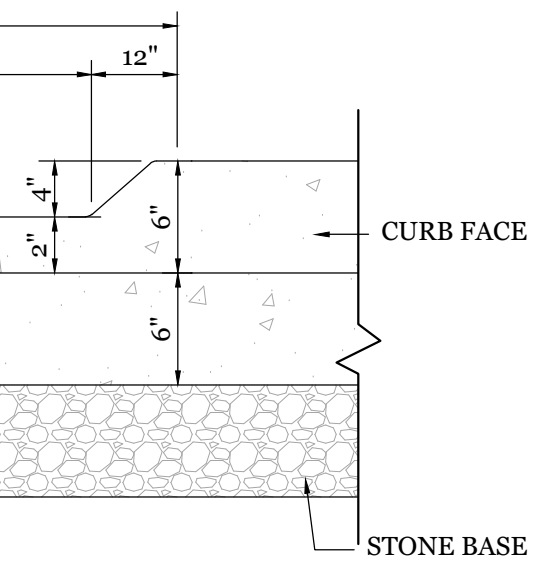


- NOTES:
1. ALL ROOF DRAINS TO BE PIPED DIRECTLY INTO PERVIOUS CONCRETE STONE BASE.
  2. SUBGRADE MUST BE EITHER SCARIFIED, RIPPED, OR TRENCHED TO MAINTAIN THE PRE-CONSTRUCTION SUBGRADE INFILTRATION RATE.



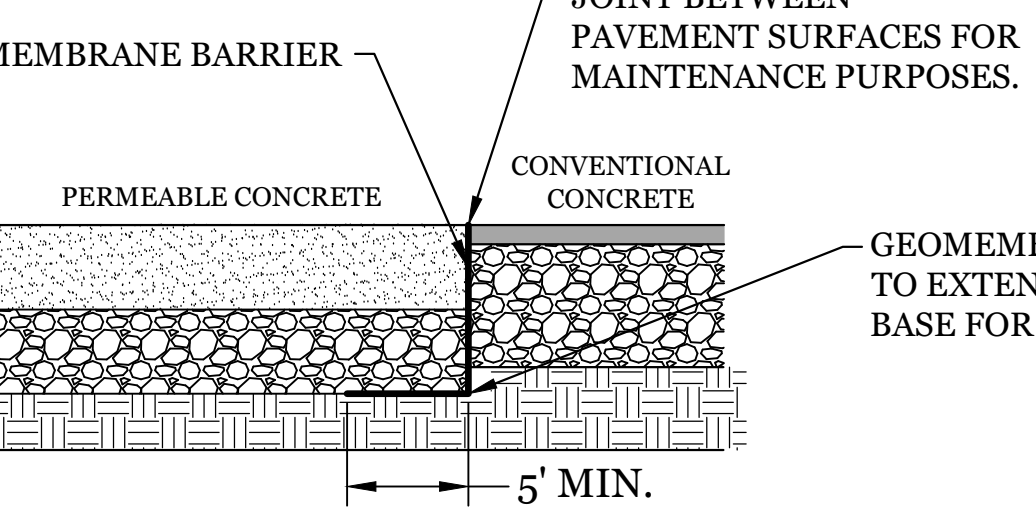
**PERMEABLE CONCRETE MONITORING WELL**

NTS



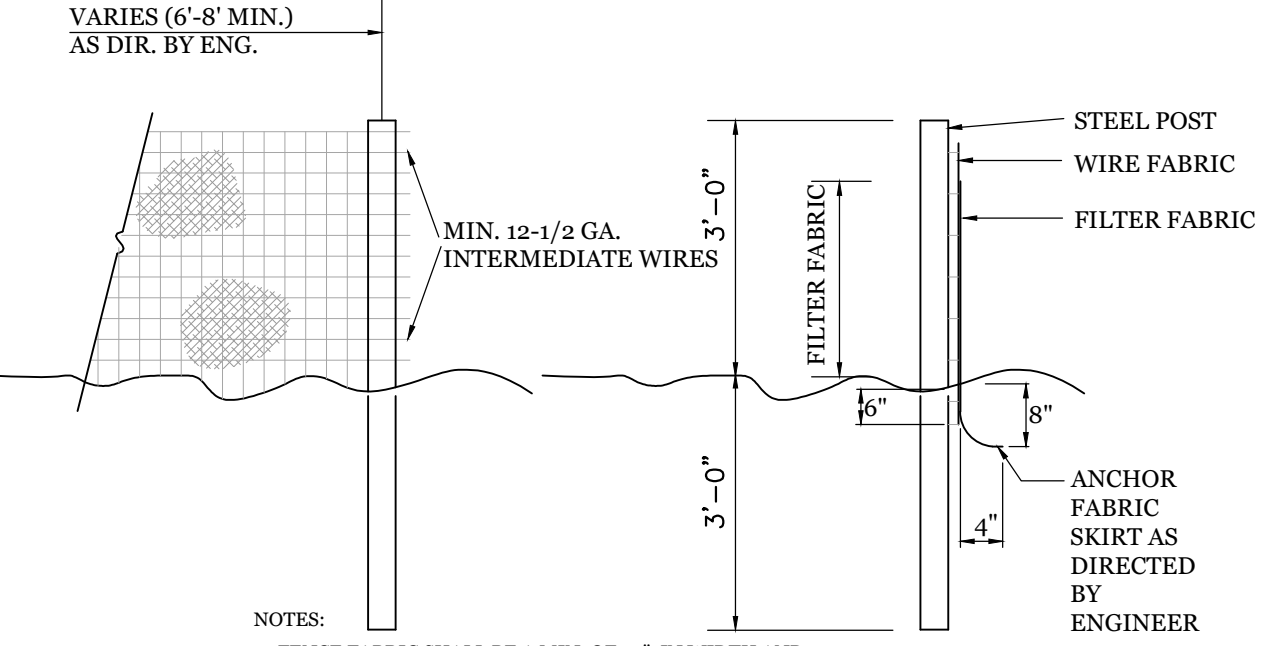
**CURB OPENING DETAIL**

NTS



**PERMEABLE CONCRETE ADJOINING CONVENTIONAL CONCRETE**

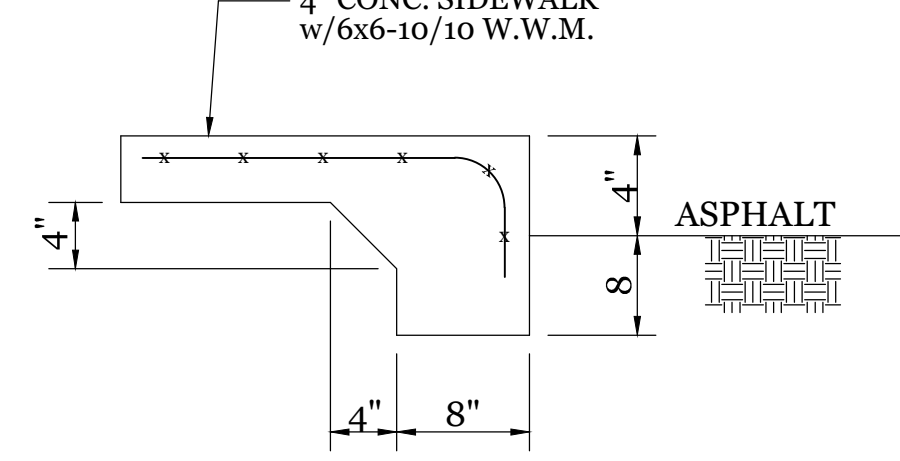
NTS



- NOTES:
1. FENCE FABRIC SHALL BE A MIN. OF 32" IN WIDTH AND SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" STAY SPACING.
  2. FABRIC SHALL BE FOR EROSION CONTROL AND MIN. OF 36" IN WIDTH. FABRIC SHALL BE FASTENED ADEQUATELY TO THE WIRE FABRIC AS DIRECTED BY THE ENGINEER.
  3. STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER STEEL ANGLE TYPE.

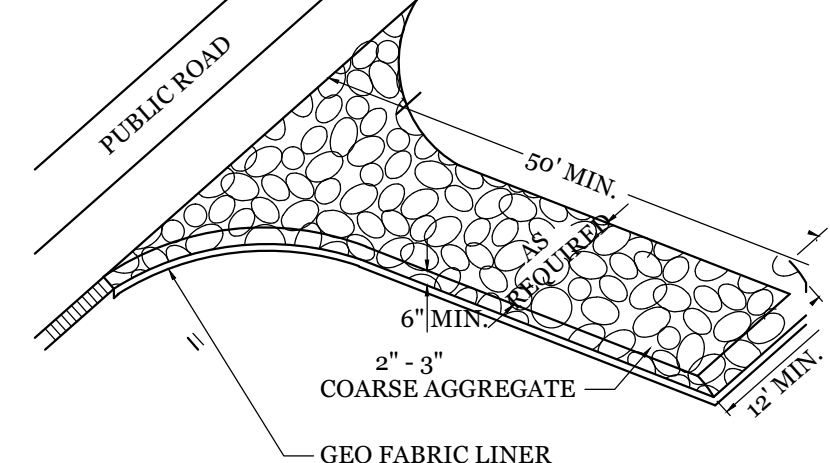
**TEMPORARY SILT FENCE**

NTS



**TURNDOWN SIDEWALK**

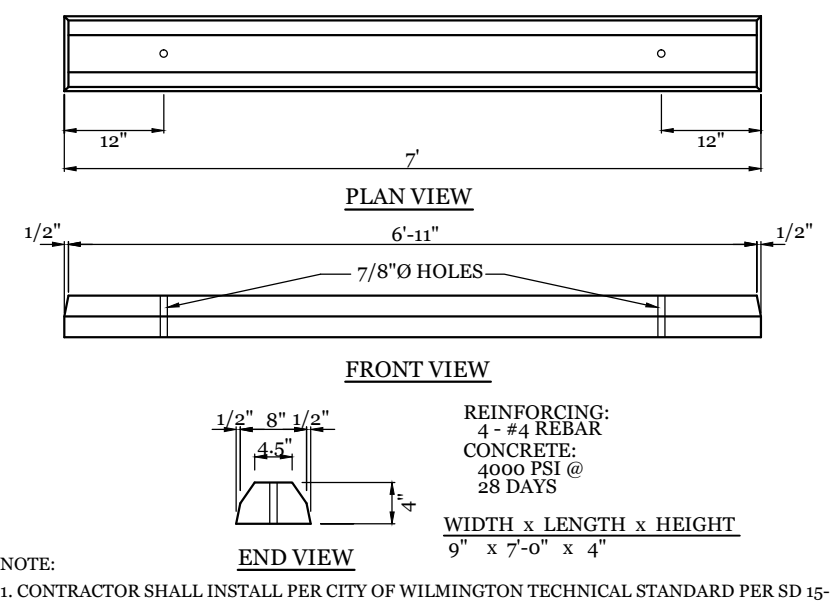
NTS



- NOTE:
- CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE, WHICHEVER IS GREATER.

**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE**

NTS



**WHEEL STOP DETAIL**

NTS



**CLIENT INFORMATION:**  
Lisle Architecture & Design, Inc.  
David Lisle  
614 Market St.  
Wilmington, NC 28401  
Ph. 910-763-6053

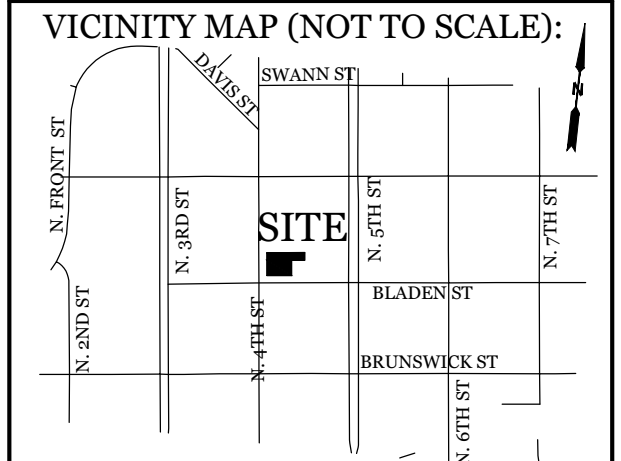
DRAWN:	JAE	SHEET SIZE:	24X36
CHECKED:	CDC	DATE:	10/29/2020
APPROVED:	CDC	SCALE:	NTS
PROJECT NUMBER:	2020-006		

DRAWING NUMBER: **C-2**

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_  
**Approved Construction Plan**  
Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_  
Public Utilities \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

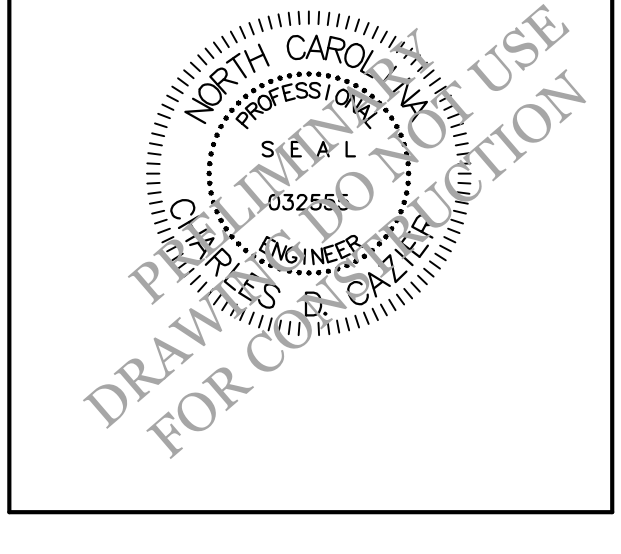


**REVISIONS**

NO.	DESCRIPTION

**INTRACOASTAL ENGINEERING, PLLC**  
5725 Oleander Dr. Unit E-7  
Wilmington, North Carolina 28403  
Phone: 910.859.8983  
Email: [Charlie@intracoastalengineering.com](mailto:Charlie@intracoastalengineering.com)  
License Number: P-0662

**DETAILS FOR THE MODERN CITY OF WILMINGTON**  
401 BLADEN ST.  
NEW HANOVER COUNTY, NC



**CLIENT INFORMATION:**  
Lisle Architecture & Design, Inc.  
David Lisle  
614 Market St.  
Wilmington, NC 28401  
Ph. 910-763-6053

DRAWN: JAE	SHEET SIZE: 24x36
CHECKED: CDC	DATE: 10/29/2020
APPROVED: CDC	SCALE: NTS
PROJECT NUMBER: 2020-006	

**BRICK SIDEWALK**  
DATE: NOVEMBER, 2011  
DRAWN BY: JSR  
CHECKED BY: BDR, P.E.  
SCALE: NOT TO SCALE

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON, N.C. 28402  
(910) 341-7807  
SD 1-18

**SIDEWALK**  
DATE: OCTOBER, 2010  
DRAWN: PBR/SR  
CHECKED: DEC  
SCALE: NOT TO SCALE

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON, N.C. 28402  
(910) 341-7807  
SD 3-10

**RESIDENTIAL DRIVEWAY PLAN**  
DATE: JUNE 1, 2015  
DRAWN BY: JSR  
CHECKED BY: D.E.C., P.E.  
SCALE: NOT TO SCALE

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON, N.C. 28402  
(910) 341-7807  
SD 3-03.1

**RESIDENTIAL DRIVEWAY SECTIONS**  
DATE: JUNE 1, 2015  
DRAWN BY: JSR  
CHECKED BY: D.E.C., P.E.  
SCALE: NOT TO SCALE

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON, N.C. 28402  
(910) 341-7807  
SD 3-03.2

**CURBING**  
DATE: AUGUST, 2011  
DRAWN: PBR/SR  
CHECKED: DEC  
SCALE: NOT TO SCALE

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON, N.C. 28402  
(910) 341-7807  
SD 3-11

**PERPENDICULAR CURB RAMP ADJACENT TO WALKING SURFACE**  
DATE: DECEMBER, 2010  
DRAWN: PBR/SR  
CHECKED: DEC  
SCALE: NOT TO SCALE

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON, N.C. 28402  
(910) 341-7807  
SD 3-07

**PERPENDICULAR CURB RAMP ADJACENT TO PLAZA**  
DATE: DECEMBER, 2010  
DRAWN: PBR/SR  
CHECKED: DEC  
SCALE: NOT TO SCALE

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON, N.C. 28402  
(910) 341-7807  
SD3-08

**ACCESSIBLE PARKING SIGNS AND INSTALLATION DETAILS SHEET A1 OF 5**  
DATE: NOVEMBER 8, 2016  
DRAWN BY: DALE THOMPSON  
CHECKED BY: RANDALL GLAZIER  
SCALE: NOT TO SCALE

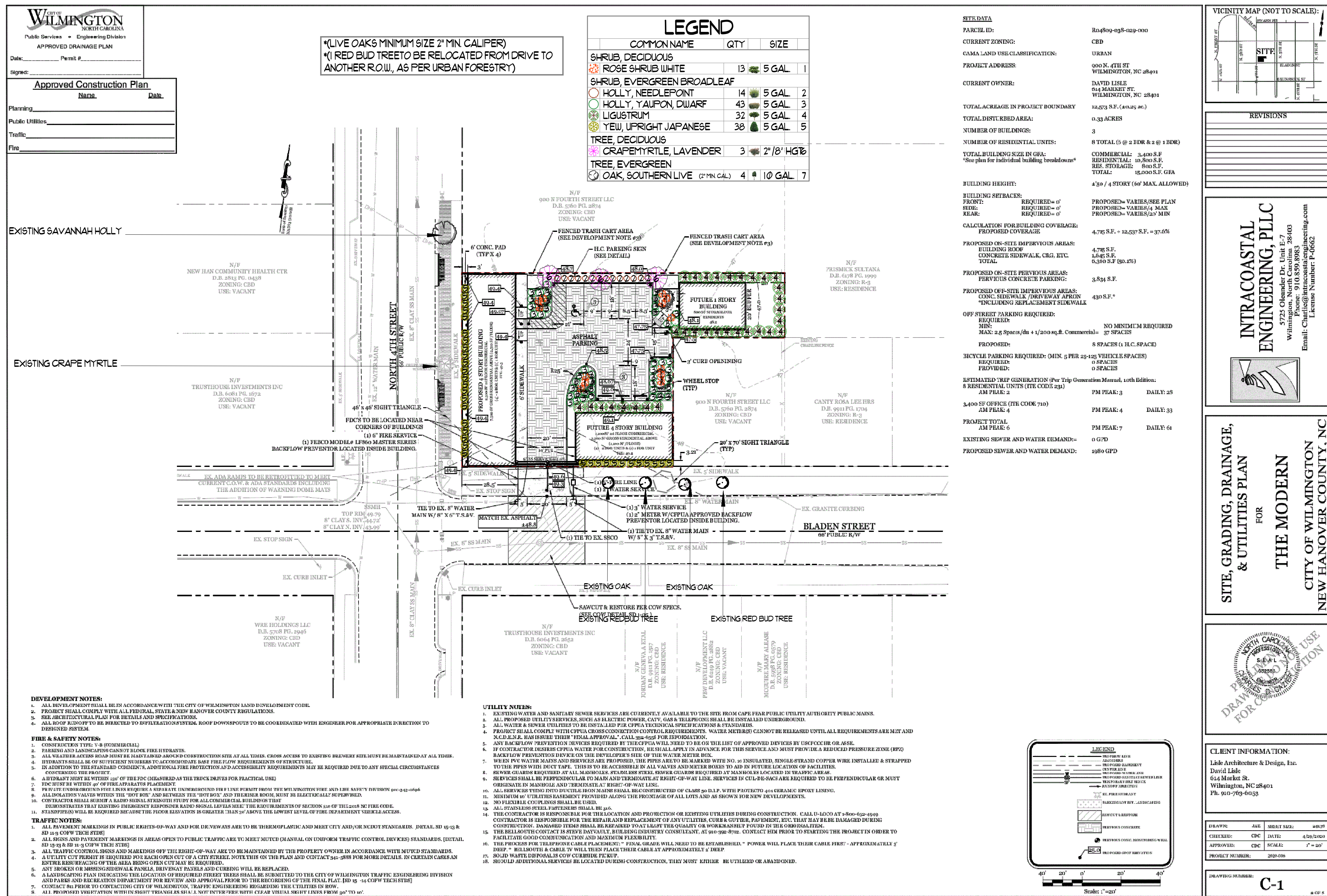
**CITY OF WILMINGTON**  
NORTH CAROLINA  
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PO BOX 1810  
WILMINGTON, N.C. 28402  
(910) 341-7807  
P.O. Box 1810 • Wilmington, NC 28402 • (910) 341-7807

**ACCESSIBLE PARKING SIGNS AND INSTALLATION DETAILS SHEET A2 OF 5**  
DATE: NOVEMBER 8, 2016  
DRAWN BY: DALE THOMPSON  
CHECKED BY: RANDALL GLAZIER  
SCALE: NOT TO SCALE

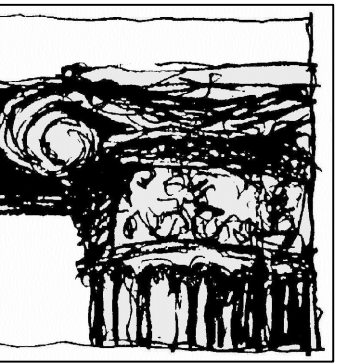
**CITY OF WILMINGTON**  
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PO BOX 1810  
WILMINGTON, N.C. 28402  
(910) 341-7807  
P.O. Box 1810 • Wilmington, NC 28402 • (910) 341-7807

**PAVEMENT REPAIRS - UTILITY CUTS**  
DATE: MAY, 2013  
DRAWN BY: JSR  
CHECKED BY: D.E.C., P.E.  
SCALE: NOT TO SCALE

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
212 OPERATIONS CENTER DRIVE  
WILMINGTON, N.C. 28412  
(910) 341-7807  
SD 1-05



EXTERIOR MATERIAL SCHEDULE					
ARCH. LEGEND	ITEM DESCRIPTION	MANUFACTURER/ VENDOR	ITEM NUMBER/ COLOR	CONTACT PERSON	SHOP DWGS./ SAMPLE REQ'D
TPO	TPO ROOFING	GAF EVERGUARD EXTREME 60 MIL	WHITE		YES
SD-1	METAL PANEL	ATAS INTERNATIONAL	METAFOR SMOOTH - CHARCOAL GREY		YES
SD-2	METAL PANEL	ATAS INTERNATIONAL	OPALINE SMOOTH (OPW 6 1/2) - DOVE GREY		YES
SD-3	METAL PANEL	ATAS INTERNATIONAL	OPALINE SMOOTH (OPF 8") - ASCOT WHITE		YES
STOREFRONT	ALUMINUM STOREFRONT	KAWNEER	TRIFAB 451/ BLACK		YES
WINDOWS	TYP. WINDOWS	QUAKER	CITY LINE/ BLACK		YES
TL-1	WOOD SIDING	NATURAL	IPE WOOD - SHIPLAP		YES

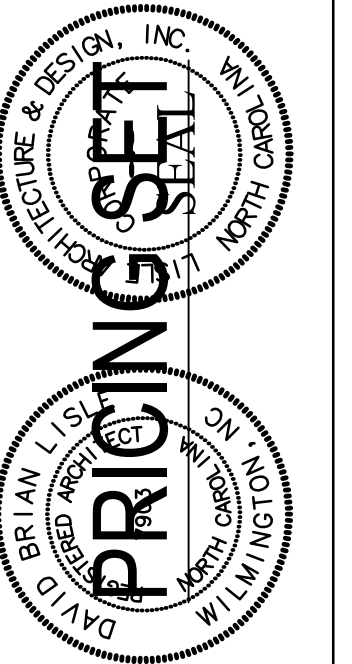
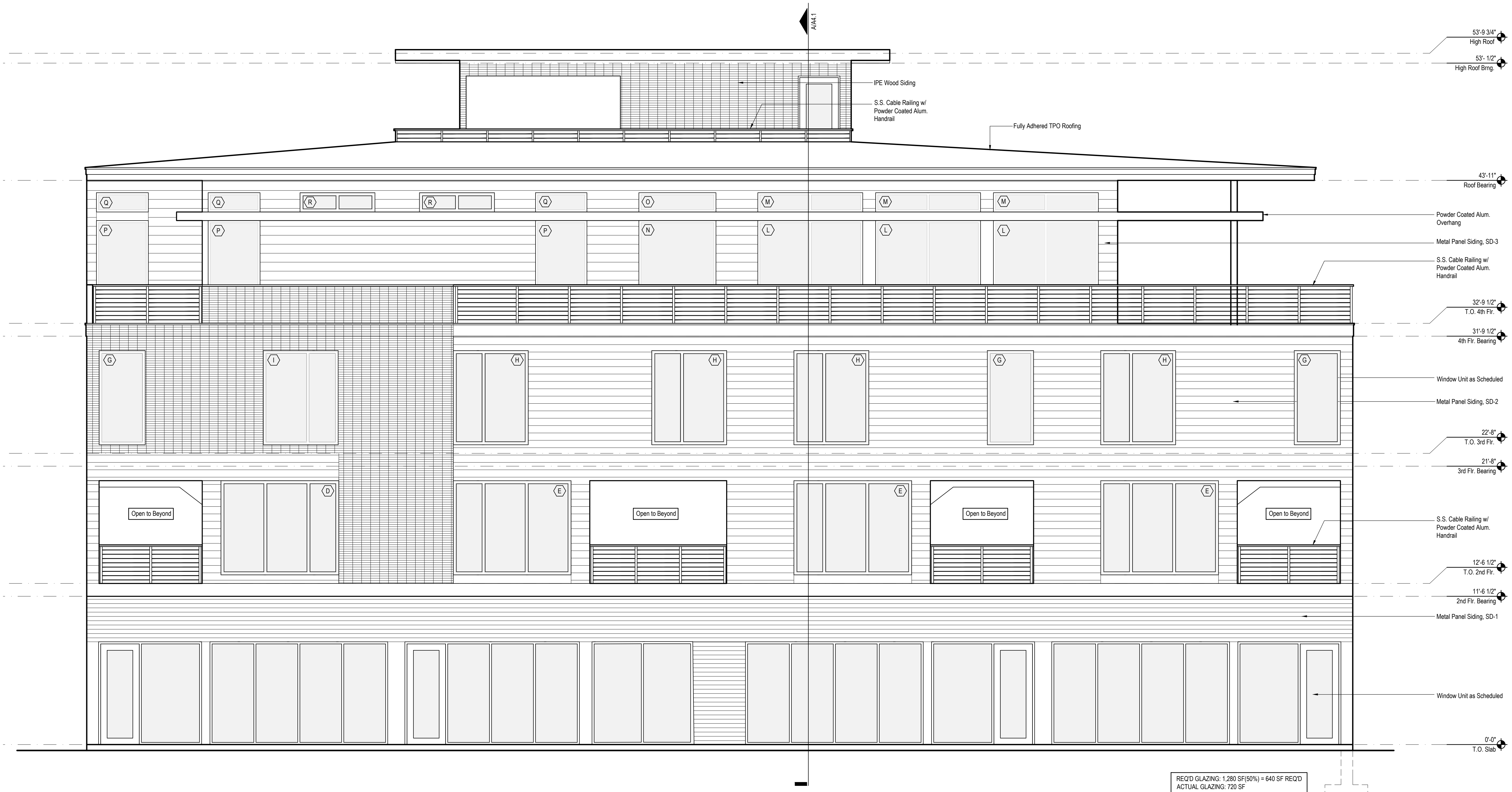


Lisle Architecture  
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(910) 763.4517 (f)

323 W. Morgan St. Suite 100  
Raleigh, NC 27601  
(919) 980.0283 (o)

www.LisleArchitecture.com



THE MODERN  
900 N. FOURTH ST.  
WILMINGTON, NC 28401

NO.	REV./SUB.	DATE

SHEET TITLE  
Exterior Elevations

SHEET NUMBER  
A2.1

West Elevation

A  
1/4"

DATE: 05.05.20

PROJECT NO: 20116

EXTERIOR MATERIAL SCHEDULE					
ARCH. LEGEND	ITEM DESCRIPTION	MANUFACTURER/ VENDOR	ITEM NUMBER/ COLOR	CONTACT PERSON	SHOP DWGS./ SAMPLE REQ'D
TPO	TPO ROOFING	GAF EVERGUARD EXTREME 60 MIL	WHITE		YES
SD-1	METAL PANEL	ATAS INTERNATIONAL	METAFOR SMOOTH - CHARCOAL GREY		YES
SD-2	METAL PANEL	ATAS INTERNATIONAL	OPALINE SMOOTH (OPW 6 1/2) - DOVE GREY		YES
SD-3	METAL PANEL	ATAS INTERNATIONAL	OPALINE SMOOTH (OPF 8") - ASCOT WHITE		YES
STOREFRONT	ALUMINUM STOREFRONT	KAWNEER	TRIFAB 451/ BLACK		YES
WINDOWS	TYP. WINDOWS	QUAKER	CITY LINE/ BLACK		YES
TL-1	WOOD SIDING	NATURAL	IPE WOOD - SHIPLAP		YES

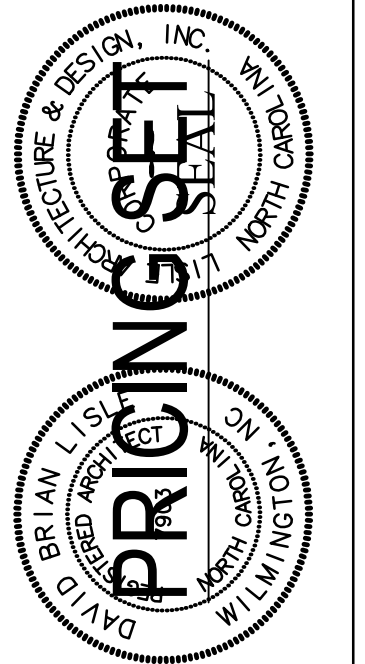


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www.LisleArchitecture.com



DATE: 05.05.20

THE MODERN  
900 N. FOURTH ST.  
WILMINGTON, NC 28401

PROJECT NO: 20116

NO.	REV./SUB.	DATE

SHEET TITLE

Exterior Elevations

SHEET NUMBER

A22

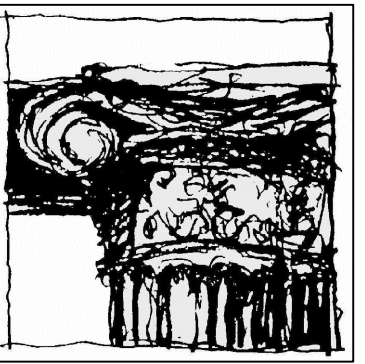
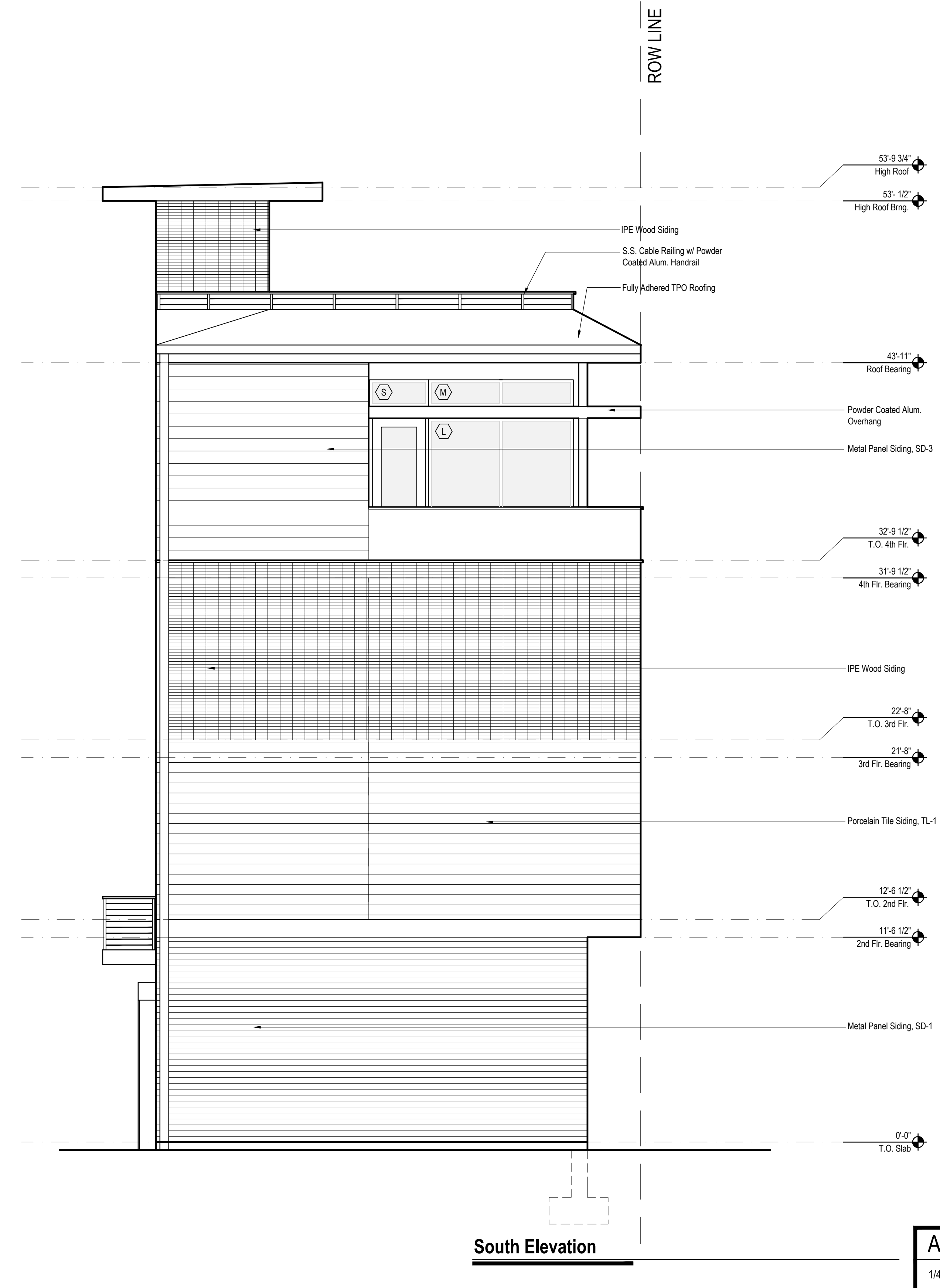
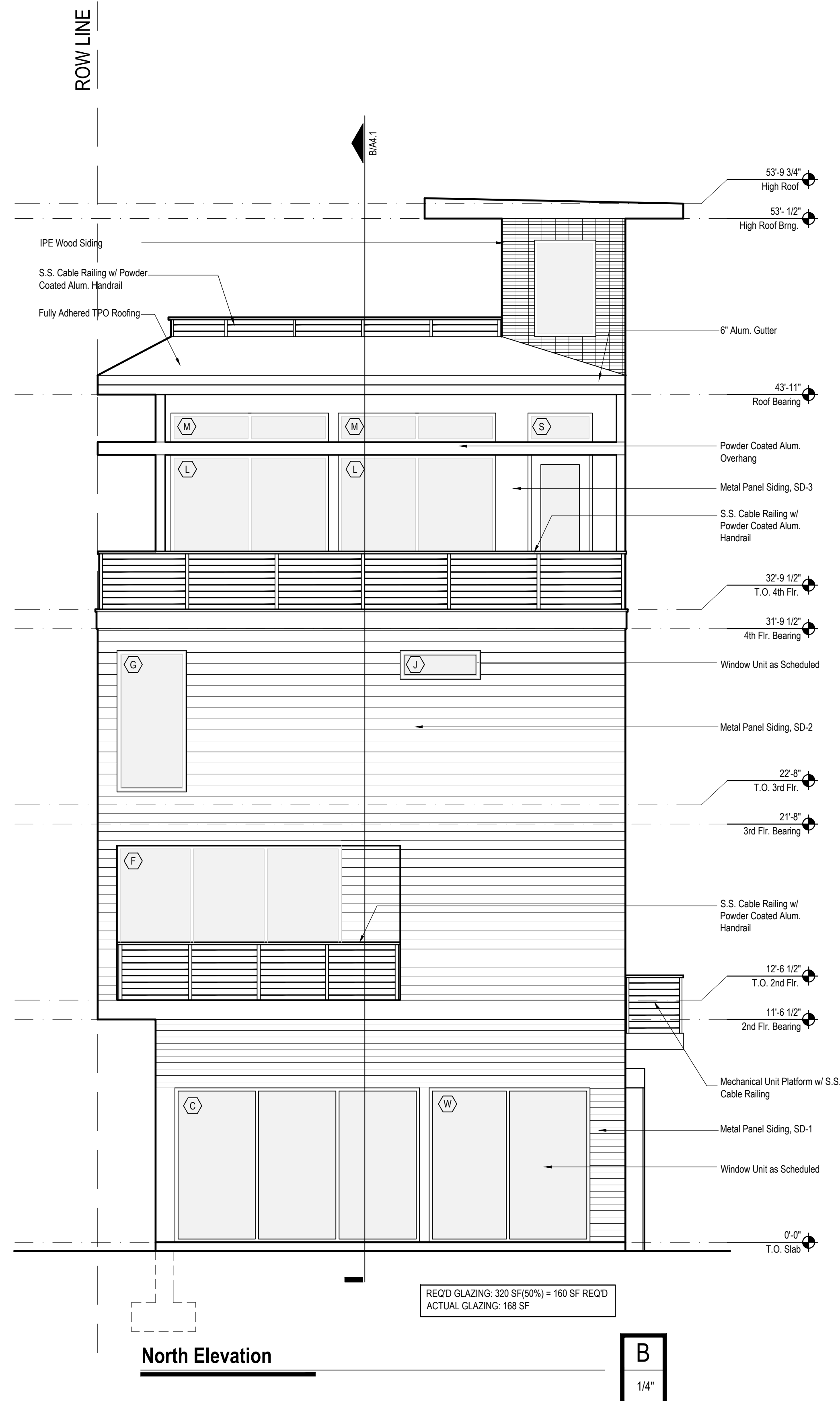
ROW LINE



East Elevation

A  
1/4"

EXTERIOR MATERIAL SCHEDULE					
ARCH. LEGEND	ITEM DESCRIPTION	MANUFACTURER/ VENDOR	ITEM NUMBER/ COLOR	CONTACT PERSON	SHOP DWGS./ SAMPLE REQ'D
TPO	TPO ROOFING	GAF EVERGUARD EXTREME 60 MIL	WHITE		YES
SD-1	METAL PANEL	ATAS INTERNATIONAL	METAFOR SMOOTH - CHARCOAL GREY		YES
SD-2	METAL PANEL	ATAS INTERNATIONAL	OPALINE SMOOTH (OPW 6 1/2) - DOVE GREY		YES
SD-3	METAL PANEL	ATAS INTERNATIONAL	OPALINE SMOOTH (OPW 8") - ASCOT WHITE		YES
STOREFRONT	ALUMINUM STOREFRONT	KAWNEER	TRIFAB 451/ BLACK		YES
WINDOWS	TYP. WINDOWS	QUAKER	CITY LINE/ BLACK		YES
TL-1	WOOD SIDING	NATURAL	IPE WOOD - SHIPLAP		YES

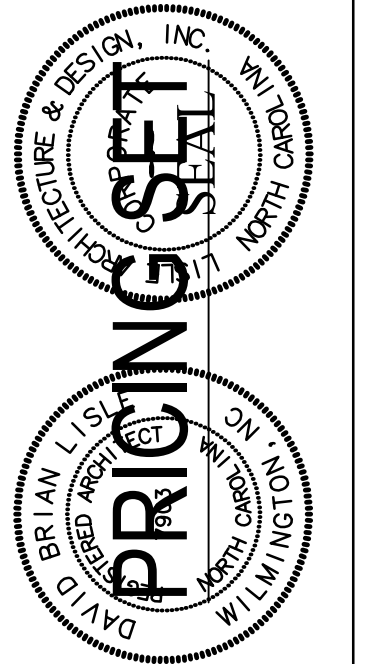


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THE MODERN  
900 N. FOURTH ST.  
WILMINGTON, NC 28401

NO.	REV./SUB.	DATE

SHEET TITLE

Exterior  
Elevations

SHEET NUMBER

**A2.3**

DATE: 05/05/20

PROJECT NO: 20116