

\\trathery\c\users\lmahery\FLO\2116TN Carlisle Lake City Design - Engineering - Engineering\Carlisle Lake City RTO\01 Drawing Files\01 DWG\001 - General Note, Legends, etc.dwg Mar 18, 2022 - 2:56pm

SURVEY NOTES:

- PARTIAL TOPOGRAPHICAL INFORMATION WAS TAKEN FROM A PARTIAL SITE SURVEY PERFORMED BY FORCUM LANNOM CONTRACTORS IN SEPTEMBER 2021.
- COORDINATES ARE REFERENCED TO A LOCAL COORDINATE SYTSTEM.
- FINISH FLOOR OF EX. BUILDING REFERENCED AS 100.00 IS ASSUMED.

SITE PREPARATION AND EARTHWORK NOTES:

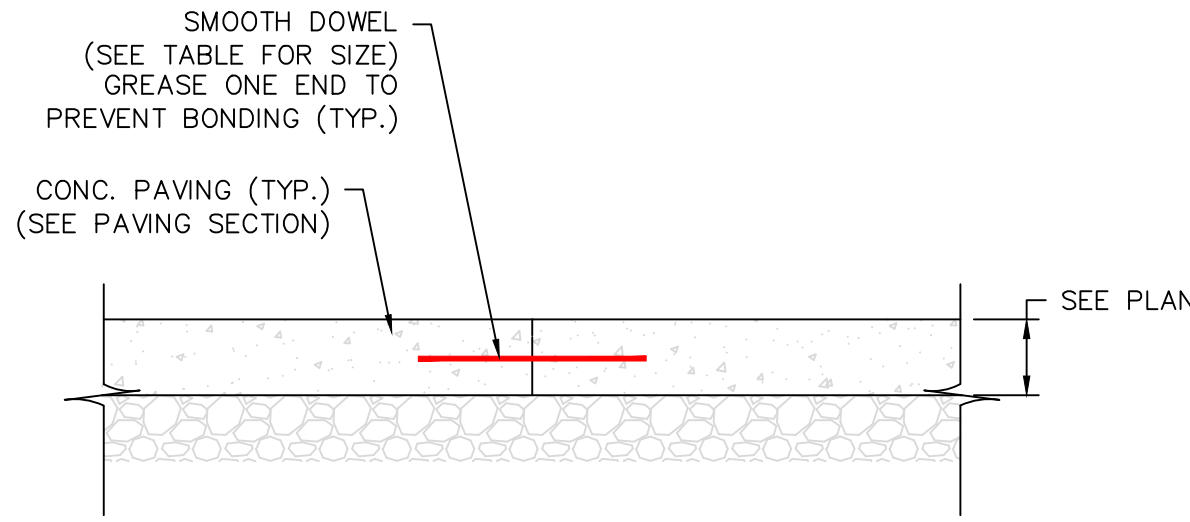
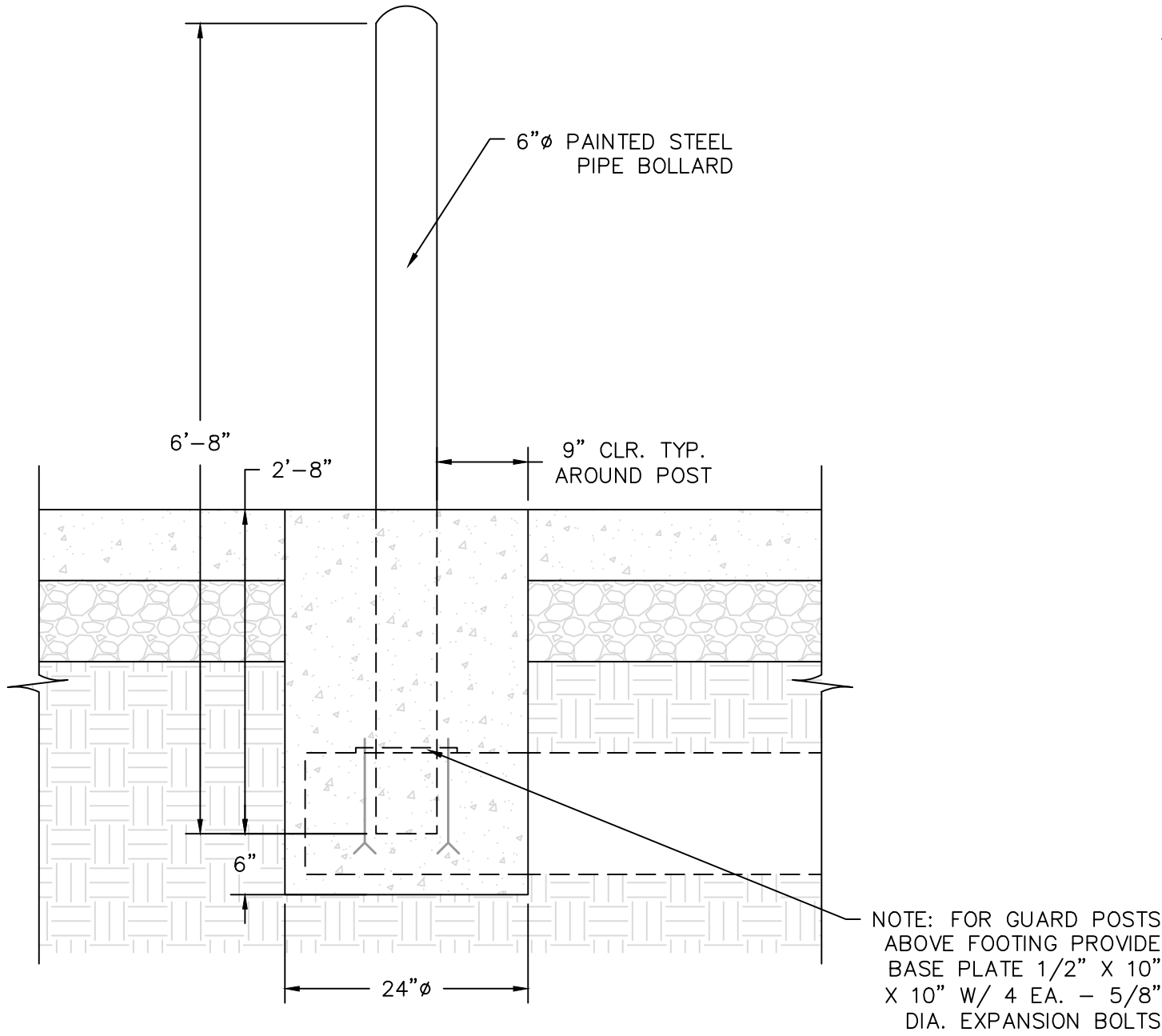
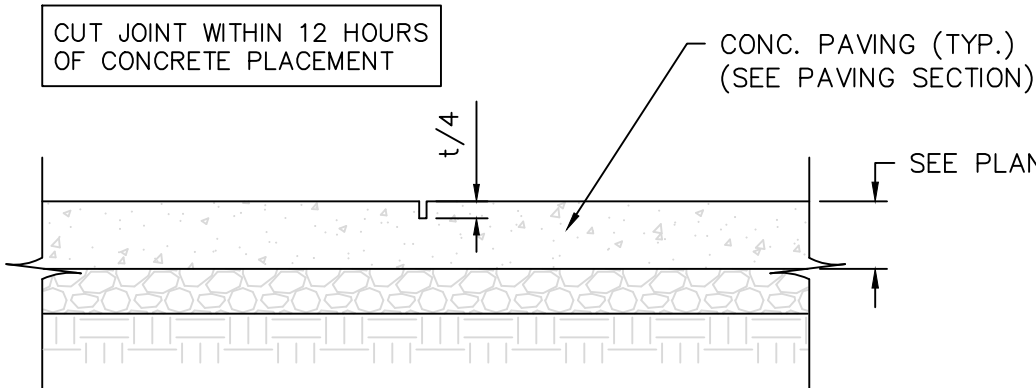
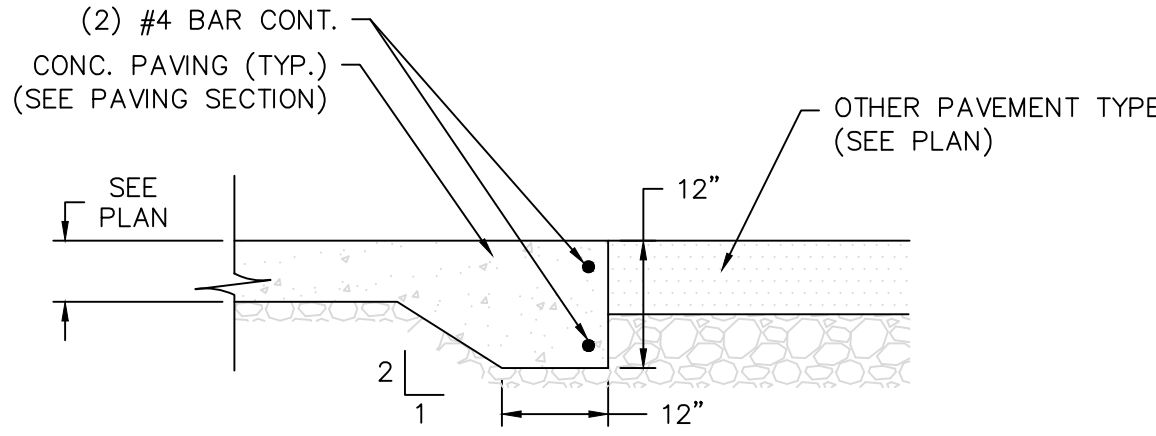
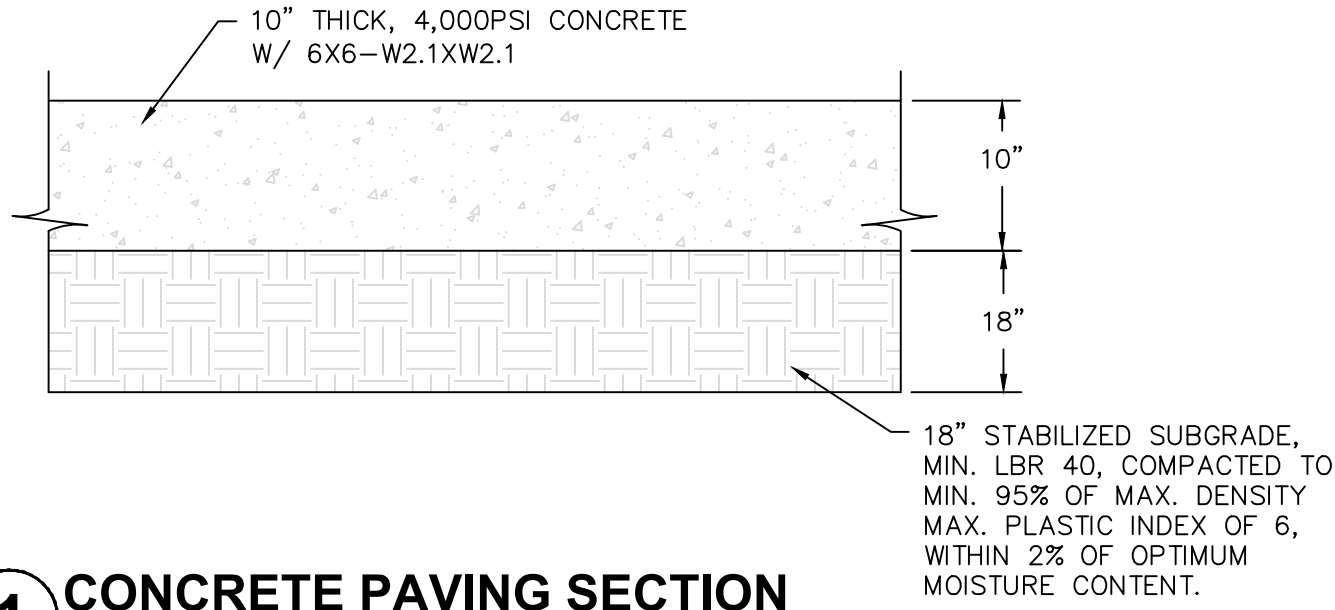
- MINIMUM COMPACTION REQUIREMENTS HAVE BEEN ASSUMED FROM PAST GEOTECHNICAL REPORTS. FINAL REQUIREMENTS MUST BE PROVIDED BY THE SOILS TESTING ENGINEERING.
- THE UPPER 18 INCHES OF SUBGRADE BELOW THE PAVEMENT SHALL BE SCARIFIED AND RECOMPACTED TO 95% MODIFIED PROCTOR MAX DRY WEIGHT DENSITY WITH A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT.
- IN AREAS WHERE STRUCTURAL FILL IS REQUIRED, THE FILL SHALL BE PLACED IN LIFTS OF 6 INCHES AND COMPACTED TO 100% STANDARD PROCTOR MAX DRY WEIGHT DENSITY. STRUCTURAL FILL SHALL CONSIST OF GRANULAR SOIL CONTAINING LESS THAN 10% MATERIAL PASSING NO 200 SIEVE.
- STRIPPED AREAS TO RECEIVE FILL AS REQUIRED. THICKNESS & COMPACTION REQUIREMENTS TO BE DETERMINED BY SOILS ENGINEER.
- WHEN FIELD TESTS INDICATE THAT INSTALLED COMPACTED MATERIAL DOES NOT MEET REQUIREMENTS, THE CONTRACTOR WILL PROVIDE ADDITIONAL COMPACTION UNTIL SPECIFIED DENSITY IS ACHIEVED, OR REMOVE AND REPLACE DEFECTIVE MATERIAL AS DIRECTED BY SOILS ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- SITE PREPARATION: TREES AS INDICATED, VEGETATION, ROOTS, AND ANY SOFT SOILS IN THE BUILDING OR PAVEMENT AREAS WILL BE STRIPPED FROM THE GROUND SURFACE AND REMOVED FROM SITE. TOP SOIL SHALL BE STOCK PILED ON SITE AND RE-SPREAD AS REQUIRED IN YARD AREAS.
- PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE TOP OF FINISHED GRADE UNLESS OTHERWISE NOTED.
- ALL FILL MATERIALS AS REQUIRED TO BRING CUT/FILL OPERATIONS TO GRADE SHALL MEET THE SELECT FILL REQUIREMENTS IF TAKEN FROM ONSITE OR APPROVED BY THE SOILS ENGINEER.

UTILITY NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION. CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION LIMITS.
- UTILITIES SHOWN WERE TAKEN FROM EXISTING DRAWINGS PROVIDED BY OWNER. ALL UTILITIES SHALL BE FIELD VERIFIED. CALL 1-800-432-4770 TO NOTIFY FLORIDA ONE-CALL SYSTEM INC. 3 BUSINESS DAYS PRIOR TO EXCAVATION.

GENERAL CONSTRUCTION NOTES:

- PROPERTY LINES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. GRADING, CLEARING, AND THE ERECTION OR REMOVAL OF FENCES ALONG PROPERTY LINES SHALL BE FULLY COORDINATED WITH ADJACENT PROPERTY OWNERS BEFORE BEGINNING CONSTRUCTION.
- VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY CITY OF HEARNE CONSTRUCTION INSPECTION OFFICE & ENGINEER OF ANY VARIATIONS PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES PRIOR TO INITIATING CONSTRUCTION. SEE SPECIFIC NOTES, DRAWINGS, & DETAILS FOR MEASURES REQUIRED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL REQUIRED BUILDING PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING ANY CONSTRUCTION.
- ANY ASPHALT PAVEMENT, CONCRETE PAVING, OR SIDEWALKS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ANY TRENCH STABILIZATION REQUIRED BY OSHA CONSTRUCTION STANDARD FOR EXCAVATIONS, 29 CFR PART 1926, SUBPART P.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION RELATED SURVEYING, INCLUDING ALL LAYOUT AND GRADE STAKING.
- CONTRACTOR SHALL NOTIFY THE WARE COUNTY CONSTRUCTION INSPECTION OFFICE A MINIMUM OF 24 HOURS PRIOR TO BEGINNING CONSTRUCTION.



SLAB DEPTH (IN.)	DOWEL DIMENSIONS (IN.)		DOWEL SPACING O.C. (IN.)	
	CONSTRUCTION JOINT			
	ROUND	DIAMOND	ROUND	DIAMOND
5 TO 6	3/4 X 10	1/4 X 4 1/2 X 4 1/2	12	18
7 TO 8	1 X 13	3/8 X 4 1/2 X 4 1/2	12	18
9 TO 11	1-1/4 X 15	3/4 X 4 1/2 X 4 1/2	12	20



MASTER LEGEND

- SS SANITARY SEWER LINE
- NG NATURAL GAS LINE
- W SPRINKLER LINE
- FENCE LINE
- EXISTING STORM DRAINAGE PIPE
- NEW STORM DRAINAGE PIPE
- RAILROAD TRACKS
- OE OVERHEAD ELECTRIC LINE
- UE UNDERGROUND ELECTRIC LINE
- PROPERTY LINE
- HEAVY DUTY ASPHALT PAVING
- LIGHT DUTY ASPHALT PAVING
- GRAVEL PAVING
- CONCRETE PAVING
- SEALED ASPHALT
- GRASS AREA
- RIP-RAP
- WORK POINT
- NUMBER OF PARKING SPACES
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATIONS
- DIRECTION OF FLOW
- PROPOSED CONTOURS
- EXISTING CONTOURS
- ROP: REINFORCED CONCRETE PIPE
- CMP: CORRUGATED METAL PIPE
- PP: POWER POLE
- FFE: FINISHED FLOOR ELEVATION
- CONC: CONCRETE
- CPS: COTTON PICKER SPINDLE
- T/C: TOP OF CURB
- B/C: BOTTOM OF CURB
- T/G: TOP OF GRATE
- TBM: TEMPORARY BENCH MARK
- RCB: REINFORCED CONCRETE BOX



VICINITY MAP

SITE ADDRESS: 388 SE ENTERPRISE CT.  
LAKE CITY, FLORIDA 32025

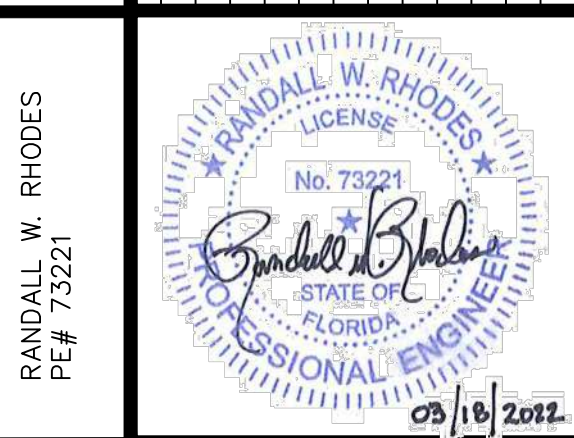
OWNER: CARLISLE CONSTRUCTION MATERIALS, LLC  
OWNES: RANDALL RHODES  
ENGINEER: RANDALL RHODES  
ZONING: I



NOTICE

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF FORCUM LANNOM CONTRACTORS. IT SHALL BE RETURNED, UPON DEMAND, TO FORCUM LANNOM CONTRACTORS. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN-PART, DISCLOSED TO ANYONE ELSE, OR USED, WITHOUT THE WRITTEN CONSENT OF FORCUM LANNOM CONTRACTORS.

NO.	DATE	SCOPE AND OWNER CHANGES	DESCRIPTION
1	03-18-2022		



PROJECT NO. 2116TN  
DRAWN BY CEO  
DESIGN LEADER DHZ  
CHECKED BY  
REVIEWED BY (PROJECT MANAGER)

FOUNDATION FOR NEW RTO UNIT  
CARLISLE CONSTRUCTION MATERIALS  
LAKE CITY, FLORIDA

FORCUM LANNOM  
CONTRACTORS, LLC

350 US Hwy, 51 Bypass S. Dyersburg, Tennessee 38024 PH: (731) 287-4700

Sheet Name  
GENERAL NOTES, LEGENDS

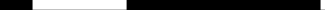
Date 01-14-2022

Sheet C0.1

**OVERALL EXISTING/DEMO. PLAN**

SCALE: 1"=10'-0"

10' 0 10' 20' 30'

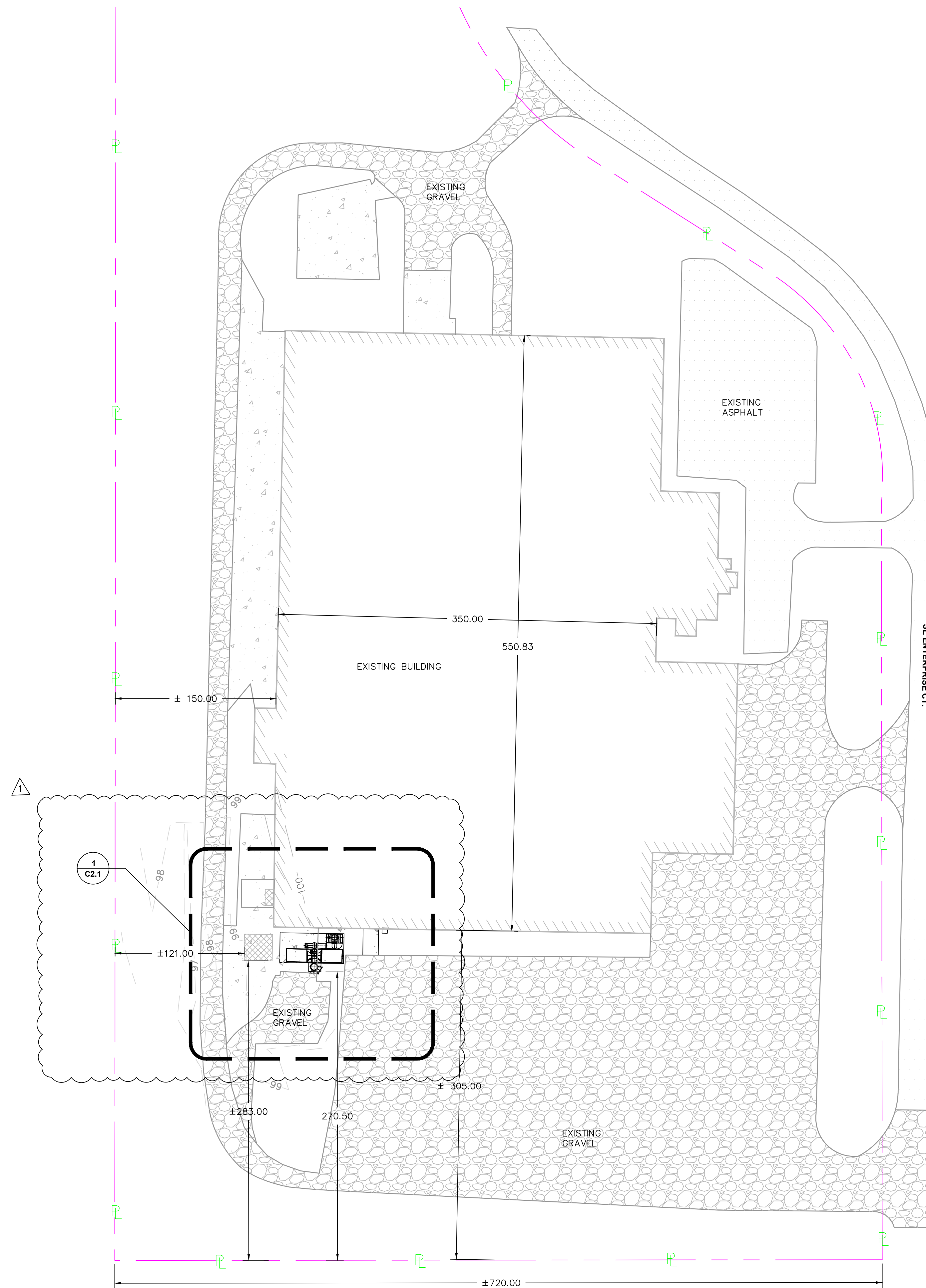


THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF FORCUM LANNOM CONTRACTORS. IT SHALL BE RETURNED, UPON DEMAND, TO FORCUM LANNOM CONTRACTORS. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART, DISCLOSED TO ANYONE ELSE, OR USED, WITHOUT THE WRITTEN CONSENT OF FORCUM LANNOM CONTRACTORS.

Sheet **C1.0**

REVIEWED BY \_\_\_\_\_  
(PROJECT MANAGER)

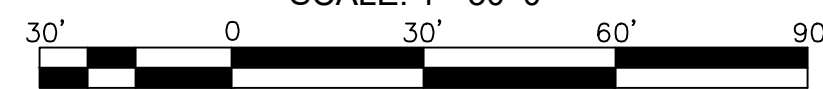
350 US Hwy. 51 Bypass S. Dyersburg, Tennessee 38024 PH: ( 731 ) 287-4700



**NOTE:** EXISTING SITE DRAINAGE WAS DESIGNED FOR 70,000 S.F. BUILDING ADDITION. THIS RTO FOUNDATION ADDS  $\pm 1,900$  S.F. IMPERVIOUS AREA, WHICH IS LESS THAN ORIGINAL DESIGN IMPERVIOUS AREA.



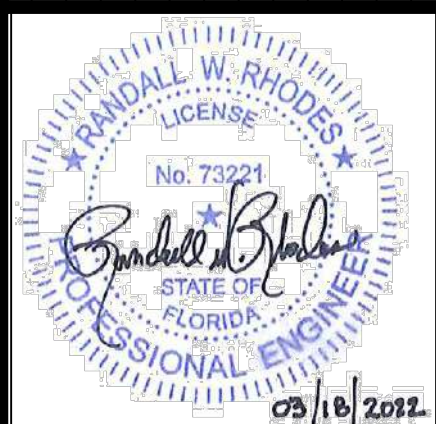
**OVERALL SITE PLAN**  
SCALE: 1"=30'-0"



NOTICE

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF FORCUM LANNOM CONTRACTORS. IT SHALL BE RETURNED, UPON DEMAND, TO FORCUM LANNOM CONTRACTORS. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN-PART, DISCLOSED TO ANYONE ELSE, OR USED, WITHOUT THE WRITTEN CONSENT OF FORCUM LANNOM CONTRACTORS.

RANDALL W. RHODES  
PE# 73221

PROJECT NO. 2116TNDRAWN BY CEODESIGN LEADER DHZ

CHECKED BY - \_\_\_\_\_

REVIEWED BY \_\_\_\_\_  
(PROJECT MANAGER)

**FOUNDATION FOR NEW RTO UNIT  
CARLISLE CONSTRUCTION MATERIALS  
LAKE CITY, FLORIDA**

**FORCUM LANNOM**  
CONTRACTORS, LLC

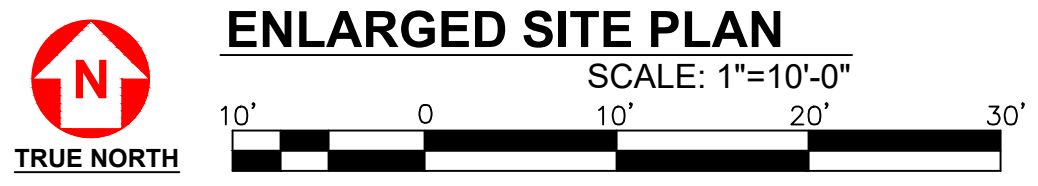
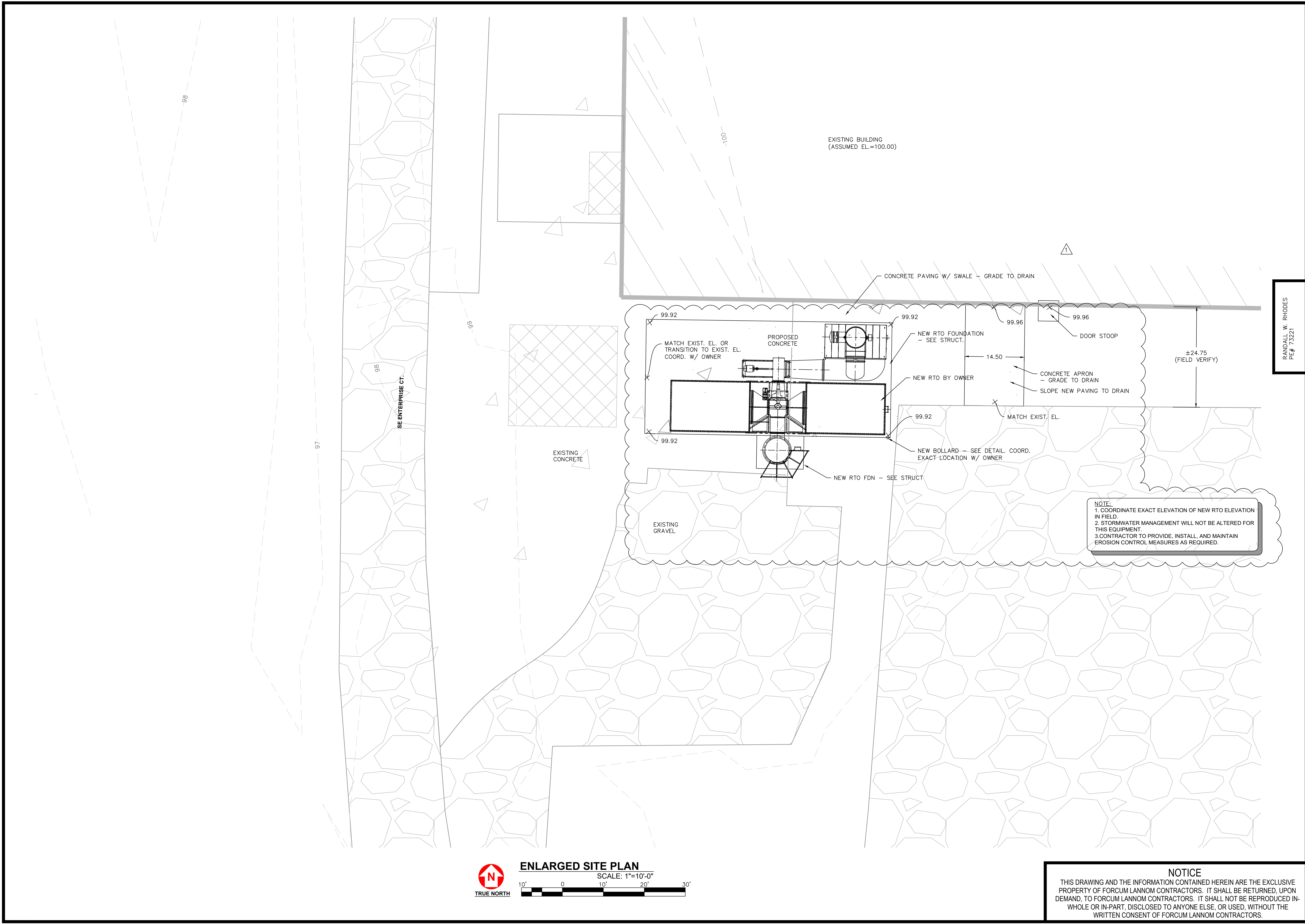
350 US Hwy. 51 Bypass S. Dyersburg, Tennessee 38024 PH: ( 731 ) 287-4700

Sheet Name

OVERALL SITE PLAN

Date **01-14-2022**Sheet **C2.0**[illegible]

\\naers\matt\enr\c21616N Carlisle Lake City Design - Engineering - Engineering\Carlisle Lake City RTO\01 Drawing Files\01 CIVIL\C2.0 - OVERALL SITE PLAN.dwg Mar 18, 2022 - 5:40pm

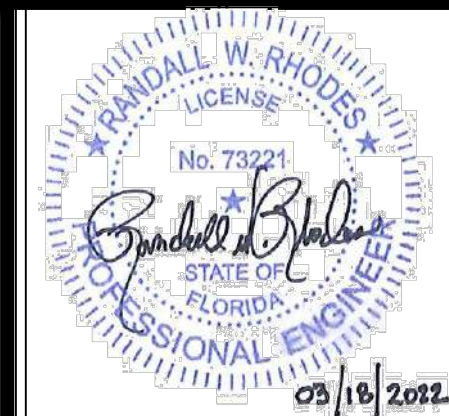


ENLARGED SITE PLAN

SCALE: 1"=10'-0"

**NOTICE**  
THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF FORCUM LANNOM CONTRACTORS. IT SHALL BE RETURNED, UPON DEMAND, TO FORCUM LANNOM CONTRACTORS. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN-PART, DISCLOSED TO ANYONE ELSE, OR USED, WITHOUT THE WRITTEN CONSENT OF FORCUM LANNOM CONTRACTORS.

RANDALL W. RHODES  
PE # 73321



PROJECT NO. 2116TN  
DRAWN BY CEO  
DESIGN LEADER DHZ  
CHECKED BY -  
REVIEWED BY  
(PROJECT MANAGER)

FOUNDATION FOR NEW RTO UNIT  
CARLISLE CONSTRUCTION MATERIALS  
LAKE CITY, FLORIDA

**FORCUM LANNOM**  
CONTRACTORS, LLC

350 US Hwy. 51 Bypass S. Dyersburg, Tennessee 38024 PH: (731) 287-4700

Sheet Name  
ENLARGED SITE PLAN  
Date **01-14-2022**  
Sheet **C2.1**

NO	DATE	DESCRIPTION
1	03-18-2022	SCOPE AND OWNER CHANGES

3/18/2022 5:32:56 PM

### SHALLOW FOUNDATION GENERAL NOTES

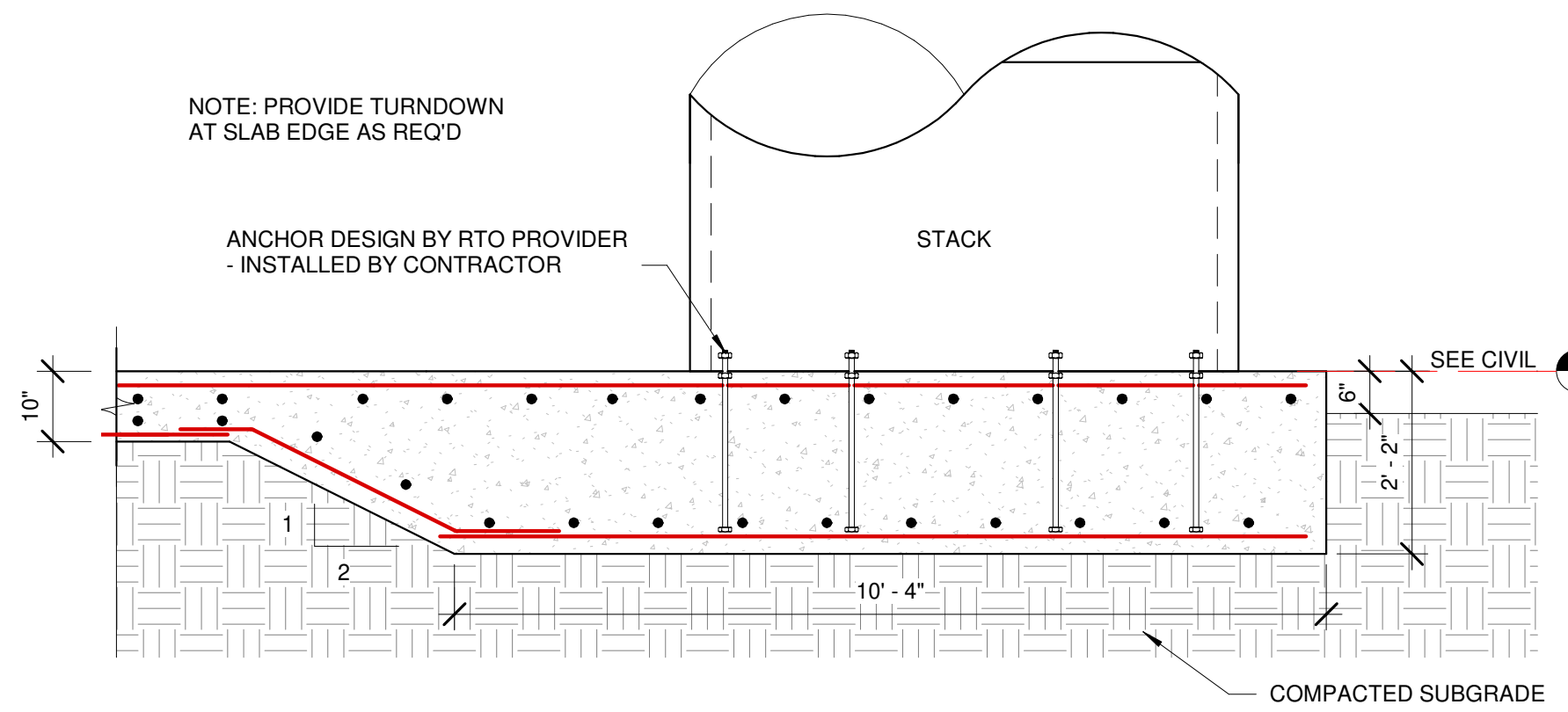
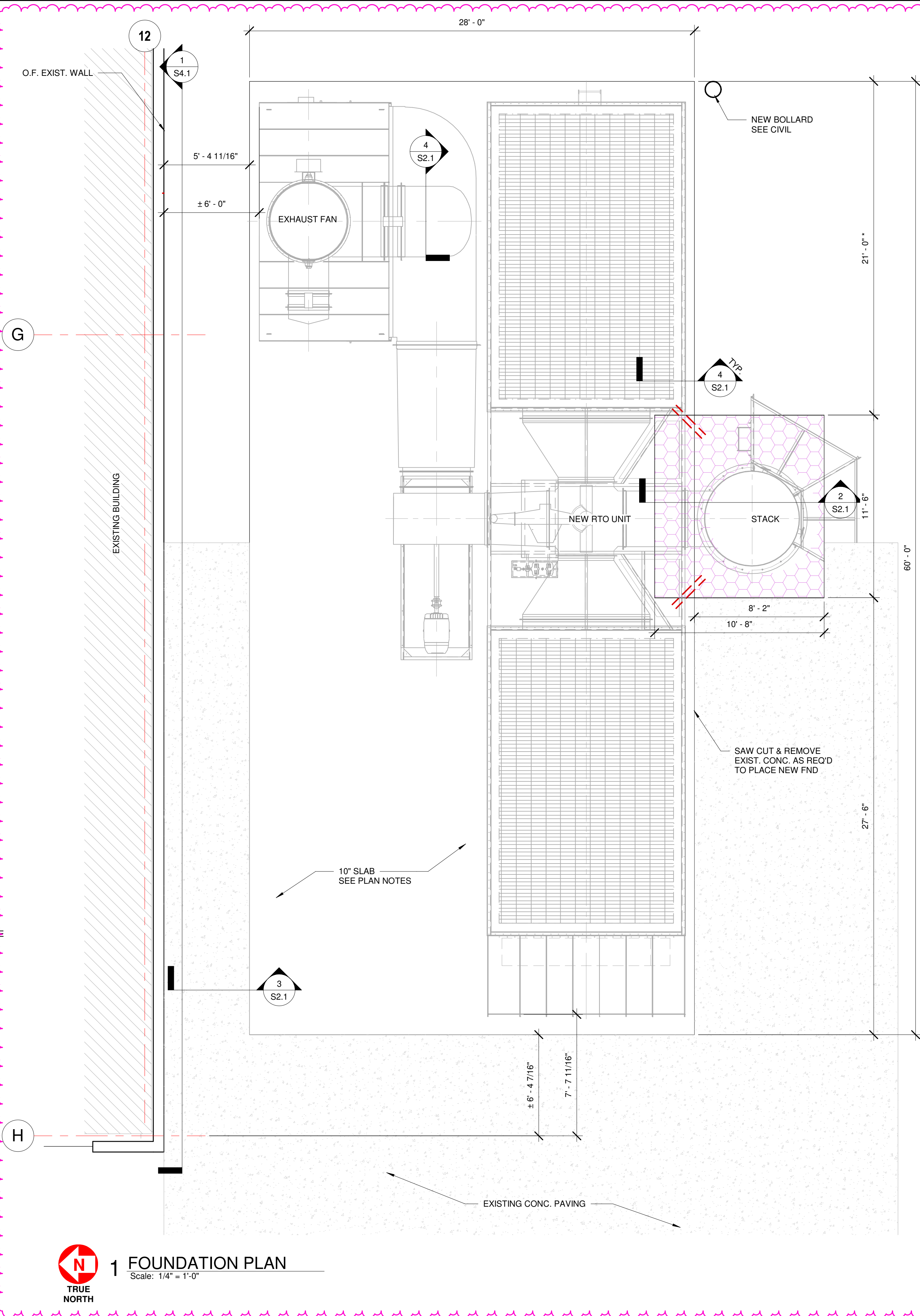
- 2200.01  
MAXIMUM ALLOWABLE NET BEARING PRESSURE FOR FOOTINGS= 2,500 PSF. SEE SOILS REPORT NO. 03-385 DATED SEPTEMBER 30, 2003 AND SOILS REPORT NO. 21-00398-01 DATED SEPTEMBER 20, 2021 BY CAL-TECH TESTING, INC.
- 2200.02  
THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL EVALUATION AND OBSERVE ALL RECOMMENDATIONS IN THE REPORT.
- 2200.03  
FOOTING EXCAVATIONS SHALL BE OBSERVED BY AN EXPERIENCED GEOTECHNICAL ENGINEER PRIOR TO STEEL OR CONCRETE PLACEMENT IN ORDER TO ASSESS THAT THE FOUNDATION MATERIALS ARE CONSISTENT WITH THE FINDINGS IN THE GEOTECHNICAL EVALUATION.
- 2200.04  
IN THE EVENT THAT THE SOILS TEST RESULTS ARE DISAPPROVED, FOOTING EXCAVATIONS SHALL BE UNDERCUT (UNDER THE DIRECTION OF THE SOILS ENGINEER) UNTIL SOILS OF ADEQUATE BEARING CAPACITY ARE ENCOUNTERED. BACKFILL UNDER FOOTINGS SHALL CONSIST OF CONCRETE F'C = 2500 PSI @ 28 DAYS PLACED UP TO THE PROPOSED BOTTOM OF FOOTING ELEVATION.
- 2200.05  
ALL FILLING, BACKFILLING, COMPACTING AND RECOMPACTING MUST HAVE A MINIMUM COMPACTION PERCENTAGE OF THE MAXIMUM DENSITY AS SPECIFIED IN THE GEOTECHNICAL REPORT.
- 2200.06  
FOR REQUIREMENTS OF EARTHWORK, SUBGRADE PREPARATION, ENGINEERED BACKFILL AND COMPACTION, OVER EXCAVATION, WATERPROOFING, AND OTHER PERTINENT REQUIREMENTS AND INFORMATION REFER TO GEOTECHNICAL EVALUATION AND SPECIFICATIONS.
- 2200.07  
ALL WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING OF CONCRETE. IF BOTTOMS OF TRENCHES BECOME SOFTENED DUE TO WATER BEFORE FOOTINGS ARE CAST, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL FOLLOW RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
- 2200.08  
ALL PIPES (WATER LINES, SEWER LINES, ETC.) AND CONDUITS RUNNING THROUGH WALLS/ SLABS SHALL BE PROTECTED WITH 1/2" EXPANSION MATERIAL.
- 2200.09  
CONTINUOUS FOOTING PERPENDICULAR TO PIPE RUNS SHALL BE EITHER LOWERED TO ALLOW PIPES TO PASS THROUGH ABOVE SUCH FOOTINGS OR HAVE CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW SUCH FOOTINGS. FOOTINGS PARALLEL TO PIPE RUNS SHALL BE LOWERED TO AVOID SURCHARGE ONTO THE TRENCH EXCAVATIONS.
- 2200.10  
REFER TO CIVIL PLANS FOR LIMITS OF EXCAVATION.

### CONCRETE GENERAL NOTES

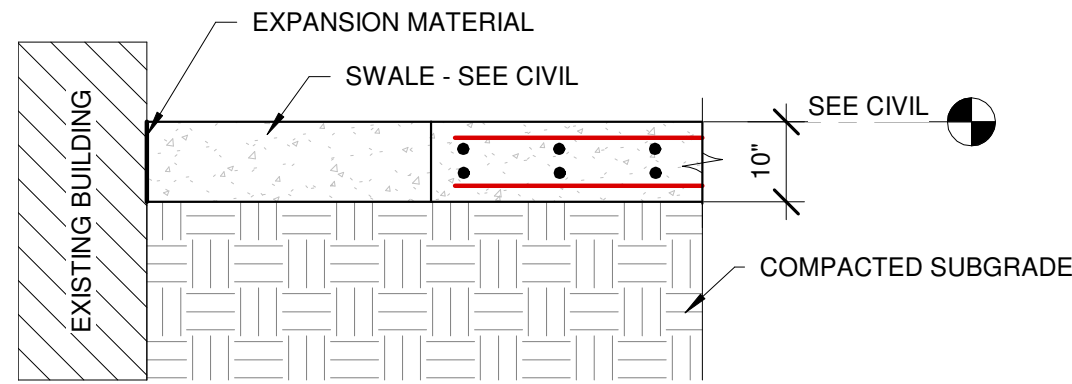
- 3100.01  
ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE ACI STANDARD "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" (ACI 315).
- 3100.02  
CONCRETE SHALL BE ENTRAINED WITH 4-7% AIR, SHALL DEVELOP 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
- 3100.03  
CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH 3/4" X 45° CHAMFER, UNLESS NOTED OTHERWISE.
- 3100.04  
ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
- 3100.05  
ALL REINFORCING BAR SPLICES SHALL BE 44 BAR DIAMETERS.
- 3100.06  
ALL REINFORCING BAR HOOKS SHALL BE ACI STANDARD HOOK, UNLESS NOTED OTHERWISE.
- 3100.07  
PROVIDE TWO #5 X 5'-0" LONG DIAGONAL BARS IN TOP FACE AT ALL RE-ENTRANT CORNERS IN SLAB.
- 3100.08  
PROVIDE CORNER BARS IN FOOTINGS & TURN-DOWN SLABS SAME SIZE & SPACING AS LONGITUDINAL REINFORCING.
- 3100.09  
PROVIDE (1) #4 HOOP WITH 8" LAP IN SLAB AROUND FLOOR DRAINS AND COLUMNS.
- 3100.10  
BAR SUPPORTS AT FOOTINGS & SLAB-ON-GRADE SHALL BE FACTORY MADE WIRE BAR SUPPORTS.
- 3100.11  
ALL SLOTS, SLEEVES AND OTHER EMBEDDED ITEMS SHALL BE SET BEFORE CONCRETE IS PLACED. SEE CIVIL, ELECTRICAL, MECHANICAL, AND VENDOR'S DRAWINGS FOR SIZE & LOCATIONS.

### Design Loads

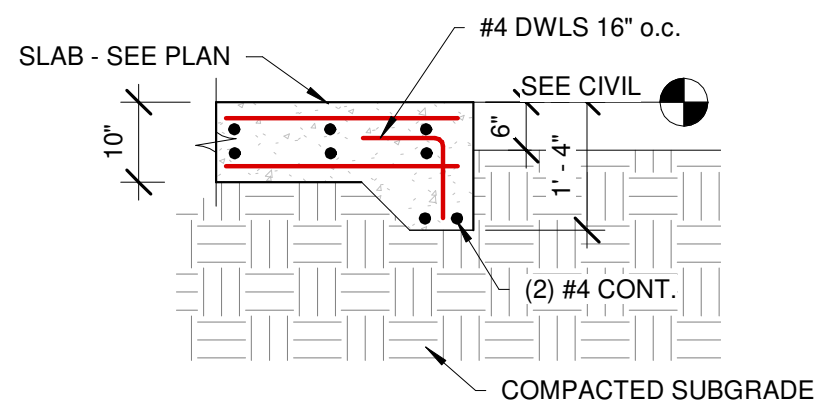
- DEAD LOAD:.....PER RTO MANUFACTURER
- LIVE LOAD:.....PER RTO MANUFACTURER
- SNOW LOAD:
  - GROUND SNOW LOAD: 0 PSF
- WIND LOAD:
  - BASIC WIND SPEED (3-SECOND GUST) = 140 mph (120 mph MIN. PER FBC)
  - WIND IMPORTANCE FACTOR (Iw) = 1.0 (1.15 for C&C)
  - BUILDING CATEGORY II
  - WIND EXPOSURE B
- SEISMIC:
  - OCCUPANCY CATEGORY II
  - IMPORTANCE FACTOR = 1.0
  - SDS = 0.105
  - SDI = 0.088
  - SITE CLASS D
  - SEISMIC DESIGN CATEGORY B
  - BASIC STRUCTURAL SYSTEM - PER RTO MANUFACTURER
  - SEISMIC RESISTING SYSTEM - PER RTO MANUFACTURER
  - RESPONSE MODIFICATION COEFFICIENT (R) = PER RTO MANUFACTURER
  - SYSTEM OVERSTRENGTH FACTOR (Omega) = PER RTO MANUFACTURER
  - DEFLECTION AMPLIFICATION FACTOR (Cd) = PER RTO MANUFACTURER
  - ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE PROCEDURE
- BUILDING CODE:
  - 2020 FLORIDA BUILDING CODE



2 SECTION  
Scale: 1/2" = 1'-0"



3 SECTION  
Scale: 1/2" = 1'-0"



4 SECTION  
Scale: 1/2" = 1'-0"

### FOUNDATION PLAN NOTES:

- 10" SLAB-ON-GRADE CONSTRUCTION - 10" CONCRETE SLAB REINF. W/ #4 @ 18" o.c. EA. WAY, TOP & BOT. OVER COMPACTED SUBGRADE.
- 26" SLAB-ON-GRADE CONSTRUCTION - 8" CONCRETE SLAB REINF. W/ #5 @ 12" o.c. EA. WAY, TOP & BOT. OVER COMPACTED SUBGRADE.
- ALL ELEVATIONS ARE BASED ON FINISH FLOOR ELEVATION = 100'-0". FIELD VERIFY ACTUAL FINISH FLOOR. SEE CIVIL FOR FDN ELEVATIONS.

### FOUNDATION PLAN LEGEND:

- DENOTES LIMITS OF STACK FDN - SEE PLAN NOTES
- DENOTES CONTROL OR CONST. JT. - SEE DTLS. 1/S1.1 & 2/S1.1
- DENOTES (2) #5 BARS X 5'-0" LG. @ RE-ENTRANT CORNERS. SEE CONC. GENERAL NOTE 3100.07
- DENOTES DIMENSIONS TO BE FIELD VERIFIED
- DENOTES DIMENSIONS TO BE COORDINATED W/ EQUIPMENT SUPPLIER

FOUNDATION LOADINGS & MINIMUM DIMENSIONS OBTAINED FROM TURNER ENVIROLOGIC DRAWINGS  
8935 DATED 01-20-2022 & 8942 DATED 01-25-2022 & OWNERS INFORMATION

### NOTICE

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF FORCUM LANNOM CONTRACTORS. IT SHALL BE RETURNED, UPON DEMAND, TO FORCUM LANNOM CONTRACTORS. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN-PART, DISCLOSED TO ANYONE ELSE, OR USED, WITHOUT THE WRITTEN CONSENT OF FORCUM LANNOM CONTRACTORS.

NO.	DATE	DESCRIPTION
1	03-18-2022	SCOP & OWNER CHANGES

RANDALL W. RHODES  
PE# 73221

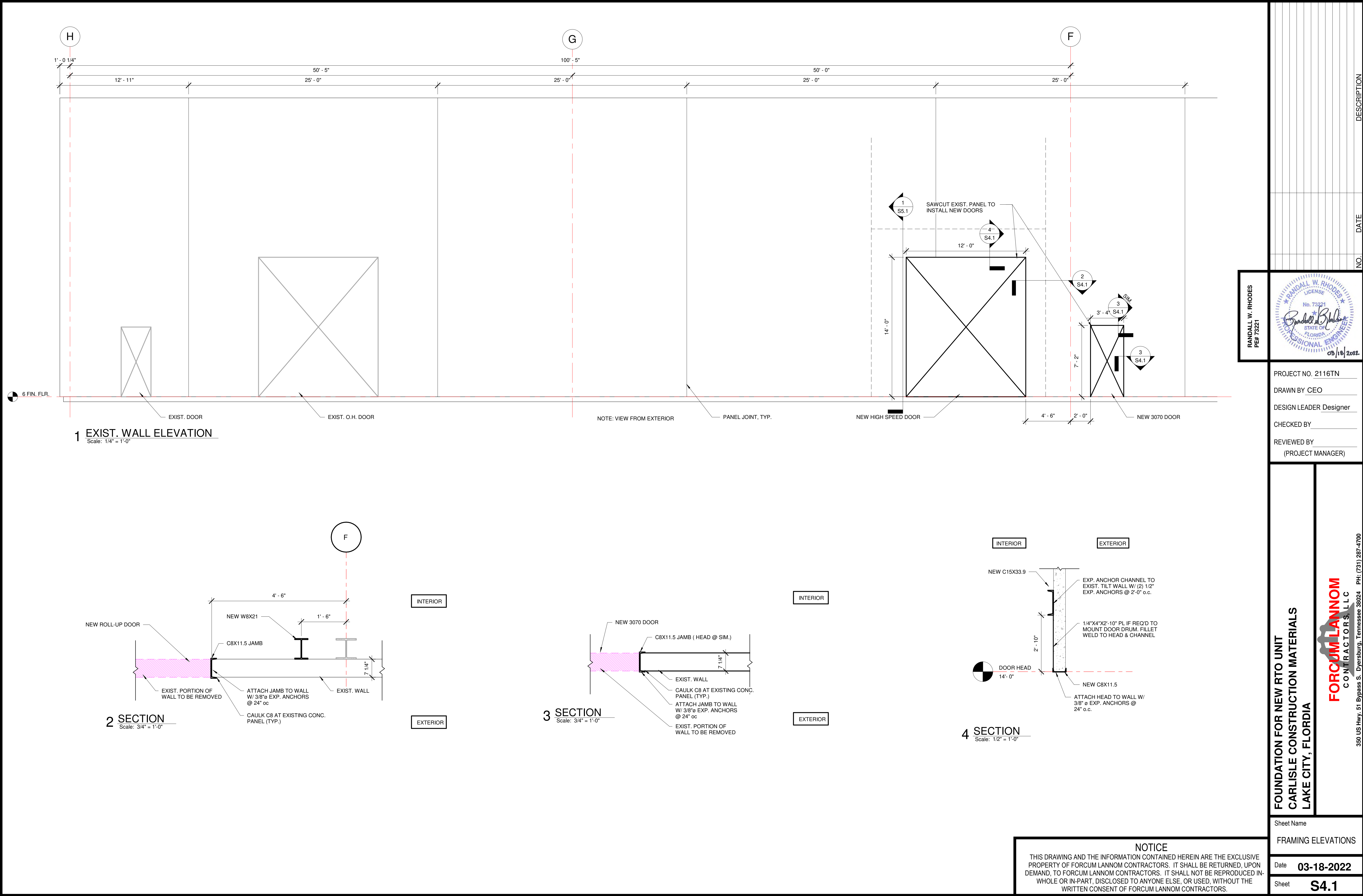
PROJECT NO. 2116TN  
DRAWN BY CEO  
DESIGN LEADER DHZ  
CHECKED BY  
REVIEWED BY  
(PROJECT MANAGER)

FOUNDATION FOR NEW RTO UNIT  
CARLISLE CONSTRUCTION MATERIALS  
LAKE CITY, FLORIDA

FORCUM LANNOM  
CONTRACTORS, LLC  
350 US Hwy. 51 Bypass S., Dyersburg, Tennessee 38024 PH: (731) 287-4700

Sheet Name	FOUNDATION PLAN
Date	01-14-2022
Sheet	S2.1

3/18/2022 5:33:03 PM

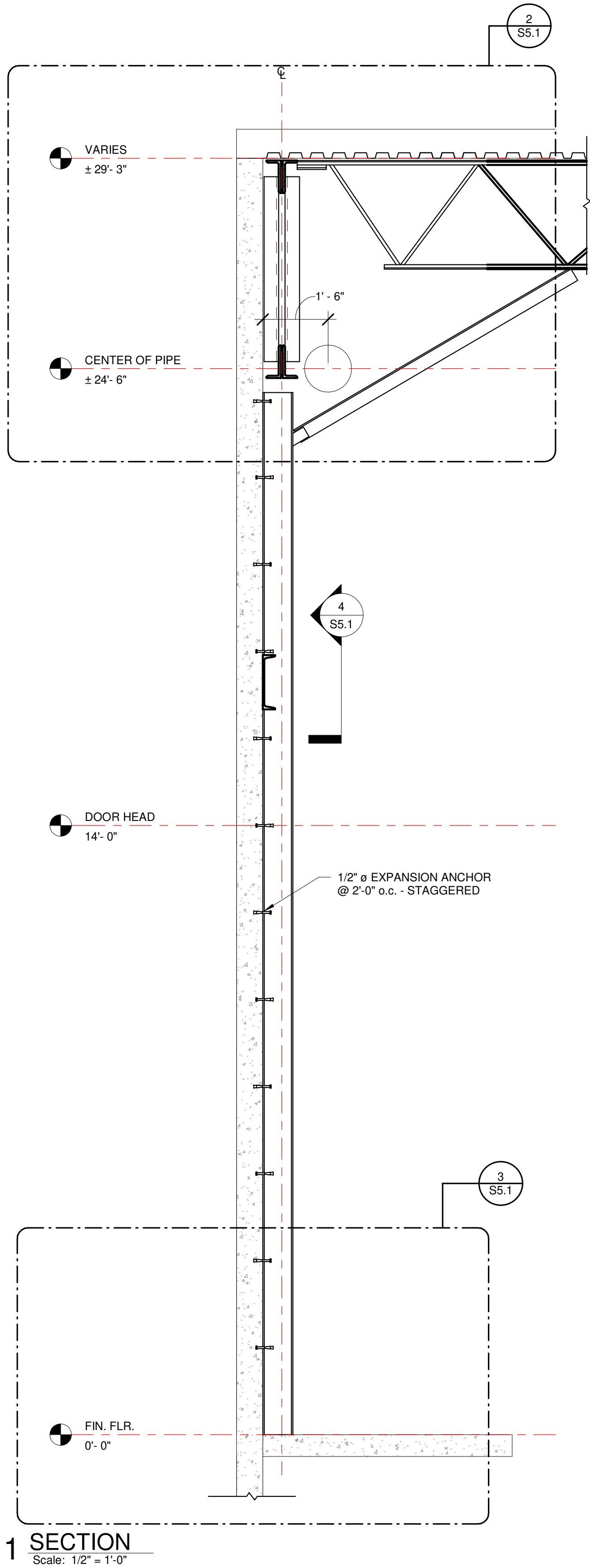


DESCRIPTION	
DATE	
NO.	
PROJECT NO. 2116TN	
DRAWN BY CEO	
DESIGN LEADER Designer	
CHECKED BY	
REVIEWED BY (PROJECT MANAGER)	
FOUNDATION FOR NEW RTO UNIT CARLISLE CONSTRUCTION MATERIALS LAKE CITY, FLORIDA	
FORCUM LANNOM CONTRACTORS, LLC 350 US Hwy. 51 Bypass S. Dyersburg, Tennessee 38024 PH: (731) 287-4700	
Sheet Name FRAMING ELEVATIONS	
Date	03-18-2022
Sheet	S4.1

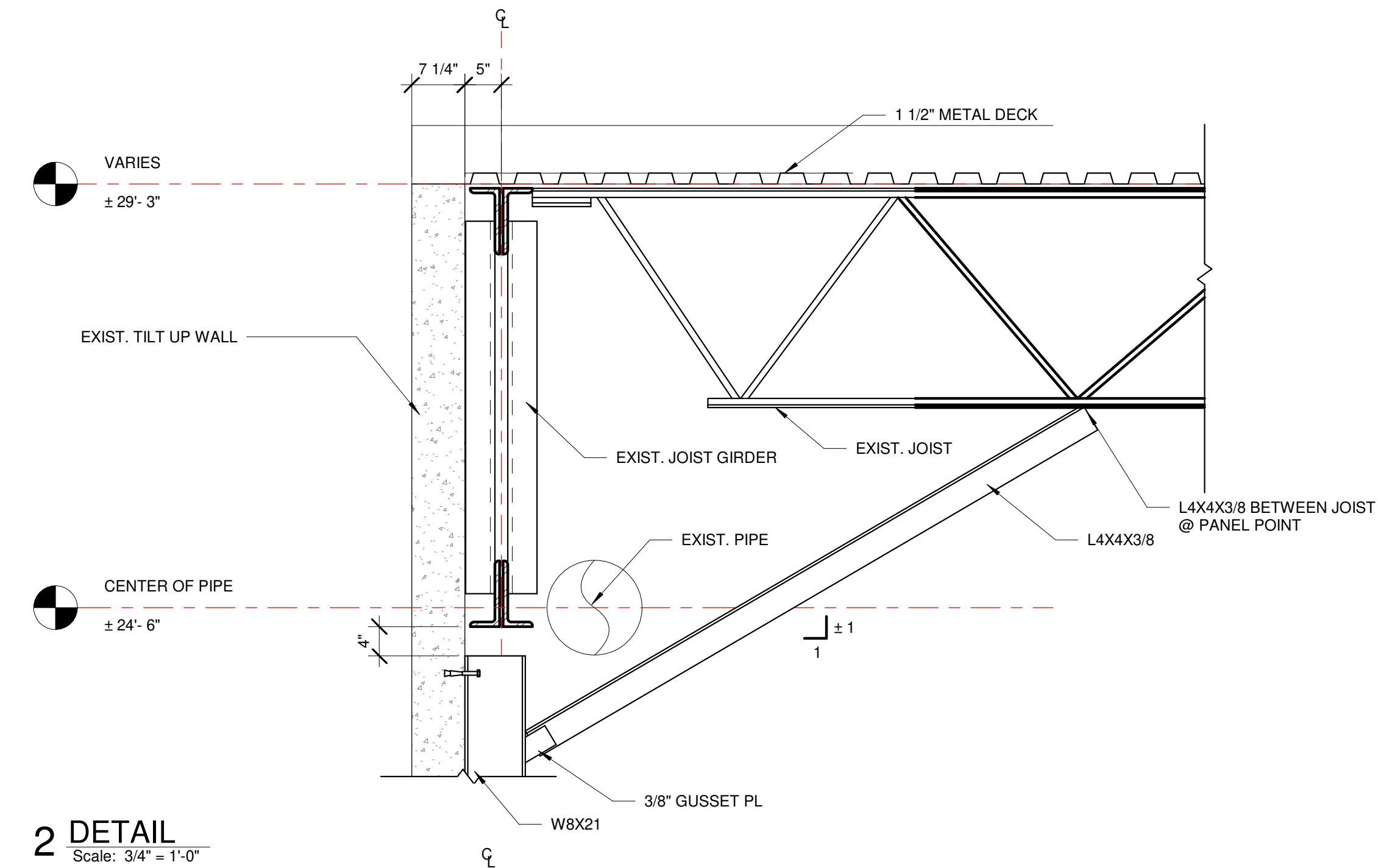
3/18/2022 5:33:11 PM

STRUCTURAL STEEL GENERAL NOTES

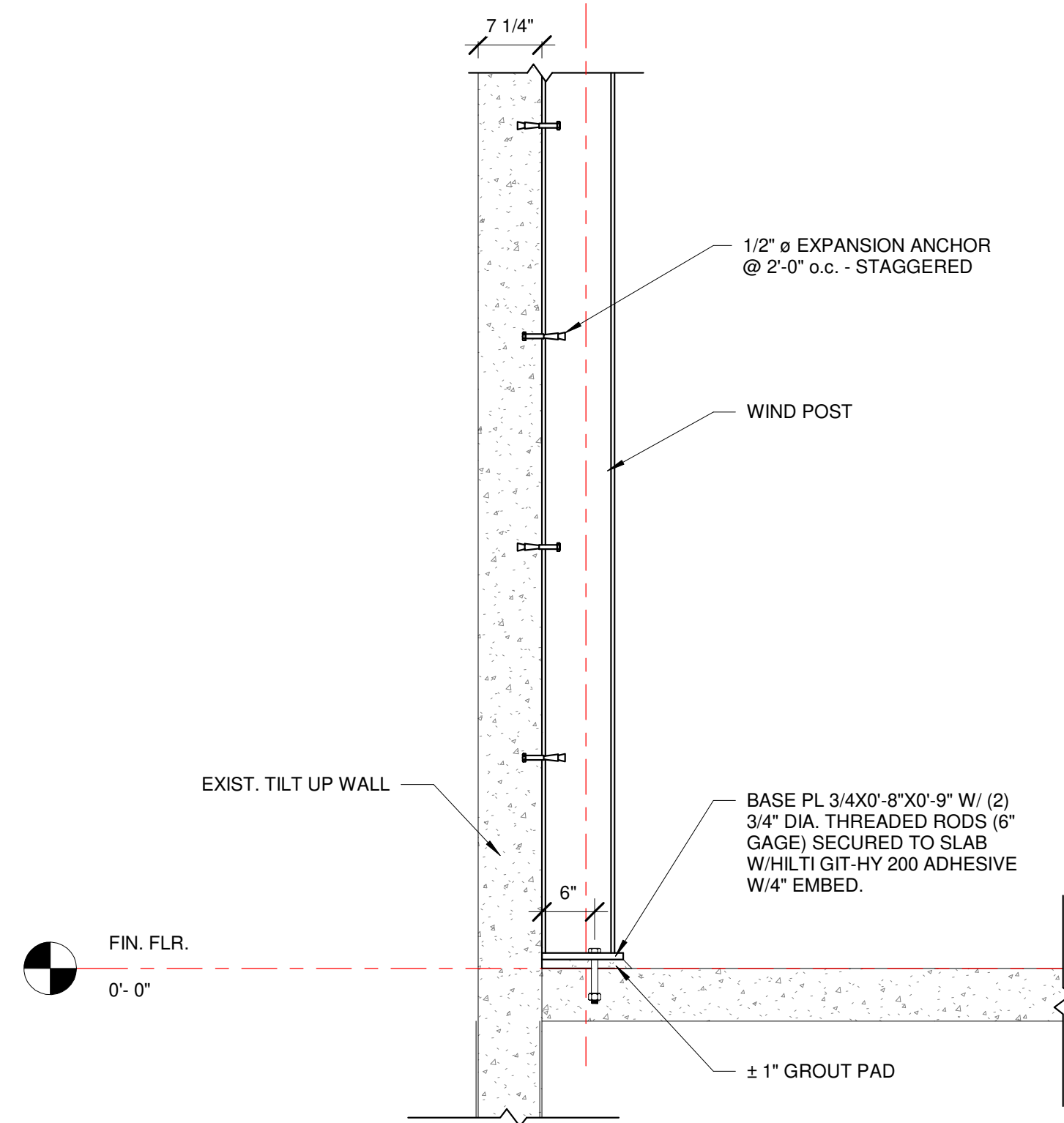
- 5100.01  
ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
- 5100.02  
WIDE FLANGES & WT TEES SHALL CONFORM TO ASTM A992 WITH A YIELD STRENGTH OF 50 KSI.
- 5100.03  
STEEL TUBES SHALL CONFORM TO ASTM A500, GRADE B WITH A YIELD STRENGTH OF 46 KSI.
- 5100.04  
STEEL PIPE SHALL CONFORM TO ASTM A53, GRADE B WITH A YIELD STRENGTH OF 35 KSI.
- 5100.05  
ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36.
- 5100.06  
HEADED STUD ANCHORS (H.S.A.) SHALL CONFORM TO ASTM A108.
- 5100.07  
ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A1554 GRADE 36. NUTS FOR ANCHOR BOLTS SHALL CONFORM TO ASTM A563, GRADE A, HEAVY HEX AND ANCHOR BOLT WASHERS SHALL CONFORM TO FS F-W-92.
- 5100.08  
ALL WELDING SHALL CONFORM TO THE SPECIFICATIONS OF THE AMERICAN WELDING SOCIETY. WELDING ELECTRODES SHALL BE E-70 SERIES. WELDING SHALL BE DONE BY A CERTIFIED WELDER.
- 5100.09  
WELDS NOT CALLED OUT ON DRAWINGS ARE MINIMUM SIZE FILLET WELDS IN ACCORDANCE WITH AWS D1.1, LATEST EDITION. FILLET WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT SPECIFIED ON DRAWINGS. WELDS SHOWN ON DRAWINGS ARE THE MINIMUM FOR DESIGN REQUIREMENTS. FABRICATOR'S SHOP DRAWINGS SHALL REFLECT WELDS IN CONFORMANCE WITH AWS REQUIREMENTS.
- 5100.10  
HIGH STRENGTH BOLTS SHALL BE 3/4" DIAMETER BOLTS (UNLESS NOTED OTHERWISE) CONFORMING TO ASTM A325. CONNECTIONS SHALL BE DESIGNED AS BEARING TYPE WITH THREADS IN SHEAR PLANE. HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE.
- 5100.11  
ALL BOLTS SHALL BE TIGHTENED TO A SNUG-TIGHT CONDITION. A SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. ALL CONNECTED ELEMENTS MUST BE BROUGHT INTO SNUG CONTACT.
- 5100.12  
BEARING ENDS OF ALL COLUMNS SHALL BE SQUARE CUT.
- 5100.13  
NO OPENINGS SHALL BE CUT IN STRUCTURAL MEMBERS UNLESS SHOWN ON THE DRAWINGS.
- 5100.14  
STEEL FRAME IS NON-SELF-SUPPORTING AND COLUMN ANCHOR BOLTS ARE DESIGNED FOR A COMPLETED CONDITION ONLY. ROOF DECK AND KNEE BRACES ARE REQUIRED TO PROVIDE LATERAL STABILITY FOR THE FRAME AND RESISTANCE TO SEISMIC FORCES. CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING REQUIRED TO MAINTAIN STABILITY OF STRUCTURAL SYSTEM.
- 5100.15  
ALL COLUMN BASE PLATES SHALL BEAR ON 1 1/2" NON-SHRINK NON-METALLIC GROUT UNLESS NOTED OTHERWISE.
- 5100.16  
ANCHOR BOLT HOLES IN BASE PLATES SHALL BE SIZED IN ACCORDANCE WITH AISC "DETAILING FOR STEEL CONSTRUCTION".
- 5100.17  
SHOP DRAWINGS FOR STRUCTURAL STEEL SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION.



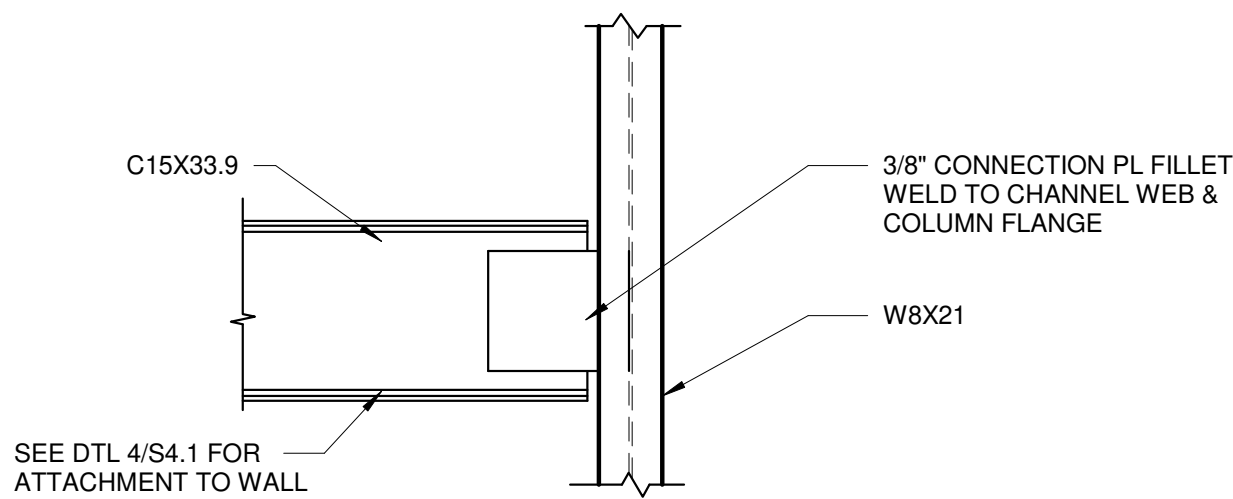
1 SECTION  
Scale: 1/2" = 1'-0"



2 DETAIL  
Scale: 3/4" = 1'-0"



3 DETAIL  
Scale: 3/4" = 1'-0"



4 DETAIL  
Scale: 3/4" = 1'-0"

RANDALL W. RHODES PE# 73221			
PROJECT NO. 2116TN		DRAWN BY CEO	
DESIGN LEADER DHZ		CHECKED BY	
REVIEWED BY		(PROJECT MANAGER)	
FOUNDATION FOR NEW RTO UNIT CARLISLE CONSTRUCTION MATERIALS LAKE CITY, FLORIDA		<b>FORCUM LANNOM</b> CONTRACTORS, LLC 350 US Hwy. 51 Bypass S., Dyersburg, Tennessee 38024 PH: (731) 287-4700	
Sheet Name		FRAMING DETAILS	
Date		03-18-2022	
Sheet		S5.1	

NOTICE  
THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF FORCUM LANNOM CONTRACTORS. IT SHALL BE RETURNED, UPON DEMAND, TO FORCUM LANNOM CONTRACTORS. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN-PART, DISCLOSED TO ANYONE ELSE, OR USED, WITHOUT THE WRITTEN CONSENT OF FORCUM LANNOM CONTRACTORS.