

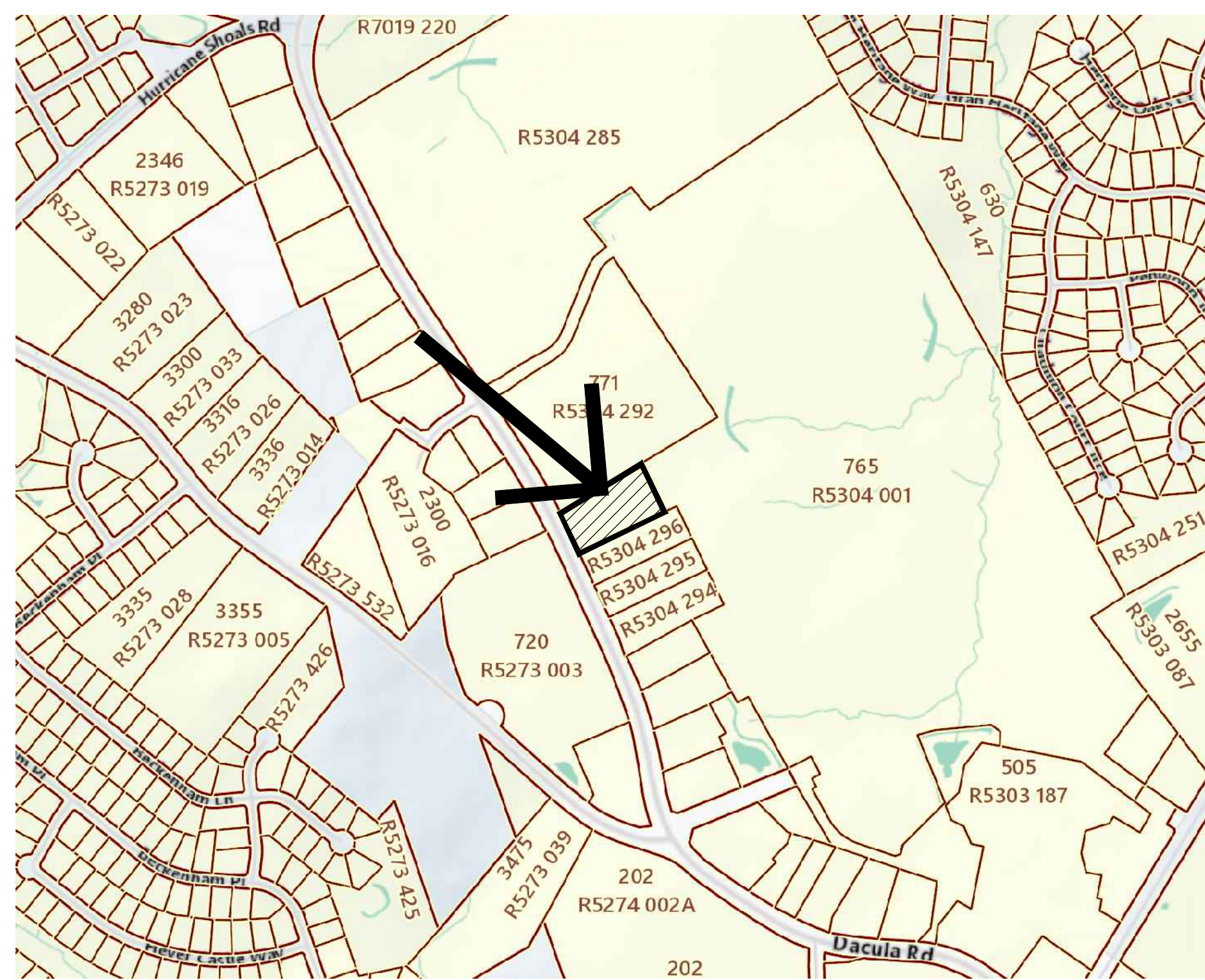
# TOP CAPITAL CAR WASH

## 765 DACULA ROAD

### DACULA, GA



3D VIEW - NORTHEAST  
N.T.S.



SITE LOCATION  
N.T.S.

TOP CAPITAL CAR WASH	
<b>PROJECT INFORMATION:</b>	
<b>TYPE:</b>	BUSINESS OCCUPANCY & STORAGE / ACCESSORY USE FOR EQUIPMENT AREAS
<b>LOCATION:</b>	DACULA, GEORGIA
<b>BUILDING AREA:</b>	3,437 S.F.
<b>IBC</b>	<b>OCCUPANT LOAD: BUSINESS:</b> OFFICE AREA: 168 S.F. / 150 = 2 OCC. ACCESSORY MECH / ELECT: 745 S.F. / 300 = 3 OCC. WASH TUNNEL: 2188 S.F. / 300 = 9 OCC.
<b>NFPA</b>	<b>OCCUPANT LOAD: BUSINESS:</b> OFFICE AREA: 168 S.F. / 150 = 2 OCC. STORAGE / EQUIP.: 745 / 500 = 2 OCC. WASH TUNNEL: 2188 S.F. / 150 = 15 OCC.
	<b>14 OCCUPANTS</b>
	<b>19 OCCUPANTS</b>
	<b>ACTUAL OCCUPANT LOAD:</b> 8-12 OCCUPANTS AT ANY GIVEN TIME.
<b>BUILDING HEIGHT:</b>	35'
<b>CONSTRUCTION TYPE:</b>	ALL PORTIONS OF THE PROJECT ARE:
<b>IBC</b>	III-B
<b>NFPA</b>	III (000)
<b>BUILDING OCCUPANCY:</b>	IBC: BUSINESS NFPA: BUSINESS
<b>SPRINKLED:</b>	BUILDING IS NOT SPRINKLED
<b>GOVERNING CODES &amp; REGULATIONS:</b>	
A.	LOCAL BUILDING DEPARTMENT (DACULA & GWINNETT COUNTY, GEORGIA)
	1 INTERNATIONAL BUILDING CODE - 2018 W/ GEORGIA AMENDMENTS (2020)
	2 INTERNATIONAL PLUMBING CODE - 2018 W/ GEORGIA AMENDMENTS (2020)
	3 INTERNATIONAL MECHANICAL CODE - 2018 W/ GEORGIA AMENDMENTS (2020)
	4 INTERNATIONAL FUEL GAS CODE - 2018 W/ GEORGIA AMENDMENTS (2020)
	5 INTERNATIONAL ENERGY CONSERVATION CODE - 2015 W/ GEORGIA AMENDMENTS (2020)
	6 INTERNATIONAL FIRE CODE - 2018 EDITION
	7 NATIONAL ELECTRICAL CODE - 2020 EDITION
	8 STANDARD FIRE PREVENTION CONSERVATION CODE - 2009 W/ GEORGIA AMENDMENTS
	9 NFPA CODES (ALL VOLUMES) 2018 W/ GEORGIA AMENDMENTS (2020)
	10 STATE OF GEORGIA ACCESSIBILITY CODE FOR BUILDINGS AND FACILITIES GAC 120-3-20 (.01-08)
B.	FEDERAL
	1 AMERICAN WITH DISABILITIES ACT - ADA, ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES 2010

DRAWING INDEX		TOP CAPITAL CAR WASH		DACULA, GA	
FOR PERMIT 08.01.22					
<b>GENERAL</b>					
A-0.0	COVER	●			
A-0.1	GENERAL NOTES	●			
A-0.2	ACCESSIBILITY DETAILS & REQUIREMENTS	●			
A-0.3	ACCESSIBILITY DETAILS & REQUIREMENTS	●			
A-0.4	ACCESSIBILITY DETAILS & REQUIREMENTS	●			
A-0.5	SITE PLAN	●			
A-0.6	WALL TYPES	●			
LS-1.0	LIFE SAFETY	●			
<b>(A) ARCHITECTURAL</b>					
A-1.0	FLOOR PLANS	●			
A-1.1	REFLECTED CEILING PLANS	●			
A-1.2	ROOF PLAN & DETAILS	●			
A-2.0	EXTERIOR ELEVATIONS	●			
A-2.1	EXTERIOR ELEVATIONS	●			
A-3.0	BUILDING SECTION & AWNING DETAILS	●			
A-3.1	BUILDING SECTIONS	●			
A-3.2	WALL SECTIONS	●			
A-4.0	FINISH SCHEDULE & RESTROOM DETAILS	●			
A-5.0	DOOR & WINDOW DETAILS	●			
A-6.0	EXTERIOR FINISH DETAILS - EIFS	●			
<b>(S) STRUCTURAL</b>					
S-001	STRUCTURAL GENERAL NOTES	●			
S-002	SCHEDULES & TYPICAL DETAILS	●			
S-003	SCHEDULE OF SPECIAL INSPECTIONS	●			
S-101	FOUNDATION & ROOF FRAMING PLANS	●			
S-102	HIGH ROOF FRAMING PLANS	●			
S-301	FOUNDATION SECTIONS & DETAILS	●			
S-302	FOUNDATION SECTIONS & DETAILS	●			
S-401	ROOF SECTIONS & DETAILS	●			
S-402	HIGH ROOF SECTIONS	●			
<b>(M) MECHANICAL</b>					
M-0.1	LEGEND, NOTES, DETAILS & SCHEDULES	●			
M-0.2	SPECIFICATIONS - MECHANICAL	●			
M-1.1	MECHANICAL PLAN	●			
<b>(P) PLUMBING</b>					
P-0.1	LEGEND, NOTES, DETAILS & SCHEDULES - PLUMBING	●			
P-0.2	SPECIFICATIONS - PLUMBING	●			
P-1.1	PLUMBING PLAN SAN & VENT	●			
P-2.1	PLUMBING PLAN WATER	●			
<b>(E) ELECTRICAL</b>					
E-0.0	NOTES, DETAILS & LEGEND	●			
E-0.1	RISER DIAGRAM & PANEL SCHEDULES	●			
E-1.0	SITE - POWER PLAN	●			
E-1.1	SITE - PHOTOMETRICS	●			
E-2.1	EQUIPMENT PLAN	●			
E-2.2	POWER PLAN	●			
E-3.1	LIGHTING PLAN	●			
E-4.0	ELECTRICAL SPECIFICATIONS	●			

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
	<b>DETAILS</b> INDICATES DETAIL NUMBER INDICATES SHEET NUMBER
	<b>SECTIONS</b> INDICATES SECTION NUMBER INDICATES SHEET NUMBER
	<b>ELEVATIONS</b> INDICATES ELEVATION NUMBER INDICATES SHEET NUMBER
	<b>DRAWING TITLE</b>
	<b>REVISION MARK</b>
	<b>INTERIOR ELEVATIONS</b>
	<b>DOOR NUMBER</b>
	<b>WINDOW TYPE</b>
	<b>ELEVATION MARK</b>
	<b>WALL TAG</b> INDICATES WALL PARTITION NUMBER REFER TO SHEET A-0.11

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

**CONSULTING ENGINEERS:**

**PALMER ENGINEERING:**  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770) 908-9908

**WESTSIDE ENGINEERING:**  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**

Seal:



08.01.22

No. Date Issue Notes



Drawn by:

**COVER**

Date: 8.1.2022 Project Number: 2021-77

CAD File Name: 2021-77

Sheet Number: A-0.0

## PART ONE-GENERAL

- A. DEFINITIONS:**
- A.1. THE TERMS "BUILDER" SHALL BE THE SAME AS "GENERAL CONTRACTOR". THE "BUILDER" IS THE PARTY RESPONSIBLE FOR THE "WORK" AND FOR WHICH A PRIME CONTRACTOR IS WRITTEN WITH THE "OWNER". SUBCONTRACTORS SHALL ANSWER TO THE "BUILDER".
- A.2. THE TERM "ARCHITECT" WHERE REFERENCED IN THE THIRD PARTY DOCUMENTS SHALL MEAN E+E ARCHITECTURE, INC.
- A.3. THE TERM "OWNER" SHALL MEAN THE PRIME PARTY RESPONSIBLE FOR PAYMENTS TO THE "BUILDER".
- A.4. THE TERM "WORK" SHALL MEAN ALL LABOR, TRANSPORTATION, MATERIALS, EQUIPMENT, TOOLS, INSTALLATION SYSTEMS, SUPERVISION AND ANY OTHER INCIDENTAL ITEMS OR SERVICES NECESSARY FOR THE PROPER EXECUTION OF THE PROJECT AND A COMPLETED STRUCTURE READY FOR HUMAN OCCUPANCY WHETHER OR NOT SPECIFICALLY INDICATED OR NOTED. "WORK" SHALL ALSO INCLUDE ANY DEMOLITION OR REPAIR REQUIRED AS A PROCESS OF THE CONSTRUCTION.
- A.5. THE TERM "PROVIDE" SHALL MEAN FURNISH AND INSTALL, MAKE ALL FINAL CONNECTIONS AND LEAVE IN AN APPROVED COMPLETED OPERATING CONDITION.
- A.6. THE TERM "CONTRACT DOCUMENTS" SHALL MEAN ALL DRAWINGS AND SPECIFICATIONS OR CORRESPONDENCE ISSUED BY THE DESIGNER OR THE DESIGNERS ENGINEERS.
- A.7. ANY TERM NOT DEFINED SHALL BE FIRST REFERENCED IN ACCORDANCE WITH STANDARD AIA OWNER-CONTRACTOR AGREEMENT OR OTHER.
- B. RELATED - REFERENCED DOCUMENTS:**
- B.1. ALL GENERAL CONDITIONS, SPECIAL REQUIREMENTS ORIGINAL REQUIREMENTS OF THE CONSTRUCTION SPECIFICATIONS OF MATERIAL MANUFACTURES ARE MADE PART OF THIS SPECIFICATION AND HAVE THE SAME AFFECT AS IF COMPLETELY REPRODUCED.
- B.2. ALL WORK SHALL BE CONDUCTED BY THE BUILDER IN ACCORDANCE WITH THE LATEST ADOPTED EDITIONS OF BUILDING CODES AS OF THE DATE THE PERMIT IS ISSUED FOR THIS PROJECT. BUILDER SHALL REPORT ANY DISCREPANCIES BETWEEN CURRENT CODE AND THE DRAWINGS OR SPECIFICATION TO THE ARCHITECT PRIOR TO WORK.
- B.3. ALL WORK SHALL BE IN ACCORDANCE WITH INDUSTRY STANDARDS. INDUSTRY STANDARDS SHALL BE AS DETERMINED BY MANUAL OR HANDBOOK OF THE PRIMARY ASSOCIATION OF THE EACH TRADE. THE MANUALS SHALL INCLUDE, BUT LIMITED TO:
- B.3.1. GYPSUM ASSOCIATION
- B.3.2. APA-ENGINEERED WOOD ASSOCIATION
- B.3.3. NATIONAL TILE CONTRACTORS ASSOCIATION
- B.3.4. STEEL STUD MANUFACTURERS ASSOCIATION
- B.3.5. WESTERN WOOD TRUSS ASSOCIATION
- B.3.6. CONCRETE BLOCK ASSOCIATION
- B.3.7. CON
- B.4. SHOP DRAWINGS ARE DRAWINGS PROVIDED BY OTHERS ARE NOT PART OF THE CONTRACT DOCUMENTS BUT SHALL BE PREPARED IN ACCORDANCE OF THE CONTRACT DOCUMENTS AND THE BUILDER SHALL CERTIFY THE SHOP DRAWINGS.
- C. AGREEMENTS:**
- C.1. ALL AGREEMENTS BETWEEN OWNER AND BUILDER SHALL BE IN WRITING.
- C.2. ALL AGREEMENTS SHALL SPELL OUT THE DUTIES AND RESPONSIBILITIES OF EACH PARTY INCLUDING FINISH TOLERANCES OR SHALL REFERENCE THE INDUSTRY STANDARD.
- C.3. ALL AGREEMENTS BETWEEN THE BUILDER AND SUB-CONTRACTORS SHALL BE IN WRITING. THE OWNER SHALL RECEIVE A COPY ALL AGREEMENTS PRIOR TO CONSTRUCTION.
- C.4. ALL AGREEMENTS SHALL INCLUDE ALL COMPONENTS NECESSARY FOR AN OCCUPIED STRUCTURE WHETHER THE COMPONENTS ARE REFERENCED IN THE DRAWINGS OR NOT.
- C.5. THE BUILDER SHALL REVIEW THE CONTRACT DOCUMENTS AND VERIFY EXISTING SITE CONDITIONS PRIOR TO SUBMITTING A BID. PROPOSAL OR AGREEMENT. THE BUILDERS PROPOSAL SHALL INCLUDE ALL TRADES AND SERVICES NECESSARY FOR COMPLETION OF THE WORK. THE BUILDER SHALL DOCUMENT ALL EXISTING CONDITIONS WHICH INTERFERE OR CONFLICT WITH THE WORKING DRAWINGS AND REPORT THE INCONSISTENCIES PRIOR TO BID, PROPOSAL OR AGREEMENT.
- C.6.
- D. QUALIFICATIONS AND ASSURANCES:**
- D.1. THE BUILDER AND ALL SUB-CONTRACTORS SHALL HAVE A MINIMUM OF 5 YEARS EXPERIENCE IN RESIDENTIAL CONSTRUCTION OF THE TRADE FOR WHICH THEY ARE CONTRACTED WHERE THE OWNER ACTS ON HIS BEHALF WITH HIS/HER OWN FORCES. THE OWNER WARRANTS THAT HE/SHE HAS THE QUALIFICATIONS AND EXPERIENCE NECESSARY FOR THE ORGANIZATION AND THE COMPLETION OF THE WORK TO THE SAME STANDARDS AS THAT OF THE HIRED CONTRACTOR.
- D.2. THE BUILDER AND ALL SUB-CONTRACTORS SHALL BE FULLY LICENSED AND BONDED FOR THE WORK FOR THE WHICH THEY ARE RESPONSIBLE. PROOF OF LICENSURE SHALL BE PROVIDED TO THE OWNER PRIOR TO EXECUTION OF THE AGREEMENT.
- D.3. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR A MINIMUM OF 1 YEAR FOR THE DATE OF SUBSTANTIAL COMPLETION UNLESS OTHERWISE NOTED. THE WARRANTEE SHALL INCLUDE THE COST OF THE MATERIALS, LABOR, AND ANY COST ASSOCIATED WITH THE WORK.
- D.4. MANUFACTURES WARRANTIES SHALL BE THE PROPERTY OF THE OWNER AND SHALL BE TRANSFERRED TO THE OWNER UPON SUBSTANTIAL COMPLETION. MANUFACTURES WARRANTIES SHALL NOT RELEASE THE BUILDER OF HIS RESPONSIBILITY DURING THE WARRANTEE PERIOD.
- D.5. ROOF SYSTEMS SHALL BE WARRANTED FOR A MINIMUM PERIOD OF 10 YEARS TO INCLUDE MATERIALS, LABOR AND COST ASSOCIATED WITH THE REPAIR.
- E. PERMITS AND FEES:**
- E.1. ALL PERMITS AND FEES SHALL BE THE RESPONSIBILITY OF THE BUILDER.
- E.2. BUILDER SHALL SCHEDULE AND COORDINATE ALL INSPECTIONS. ARCHITECT AND OWNER SHALL BE NOTIFIED IN ADVANCE OF INSPECTIONS.
- F. AS-BUILT DRAWINGS:**
- F.1. BUILDER SHALL KEEP AND MAINTAIN AS-BUILT DRAWINGS OF THE CONSTRUCTION AT THE PROJECT SITE IN THE PROFESSIONAL AND READABLE MANNER.
- F.2. AS-BUILT DRAWINGS SHALL INCLUDE ALL CIVIL, ARCHITECTURAL, AND STRUCTURAL.
- F.3. AS-BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE SUBSTANTIAL COMPLETION. FINAL PAYMENT TO THE BUILDER SHALL NOT BE MAID UNTIL AS-BUILT DRAWING ARE RECEIVED.
- G. MISCELLANEOUS:**
- G.1. BUILDER SHALL HAVE A SAFETY PROGRAM IN PLACE AND SHALL BE THE SOLE RESPONSIBLE FOR THE IMPLEMENTATION OF THE SUCH POLICY
- G.2. THIS PROJECT HAS BE DESIGNED IN ACCORDANCE WITH ALL BUILDING CODES, INCLUDING LOCAL AMENDMENTS, AT THE TIME OF PRODUCTION. ARCHITECT ASSUMES IMMEDIATE SUBMITTAL OF DRAWINGS TO THE BUILDING DEPARTMENT UPON COMPLETION. THE ARCHITECT IS NOT RESPONSIBLE FOR CODE CHANGES OCCURRING MORE THAN 6 MONTHS AFTER COMPLETION OF THESE DRAWINGS.
- G.3. CHRISTOPHER C. EVANS, E+E ARCHITECTURE, INC IS THE POINT OF CONTRACT FOR THIS PROJECT. BUILDER SHALL NOT COMMUNICATE DIRECTLY WITH ENGINEERS AND/OR CONSULTANTS WITHOUT KNOWLEDGE OF CHRISTOPHER C EVANS.

## PART TWO-PRODUCTS

- A. MATERIALS:**
- A.1. ALL MATERIALS SHALL BE OF NEW UNLESS OTHERWISE NOTED
- A.2. BUILDER SHALL FURNISH AND INSTALL ALL MATERIALS REQUIRED FOR THE ASSEMBLIES IN THE WHICH THEY ARE PART. THIS INCLUDES ALL FASTENERS, JOINERS AND SEALERS.
- A.3. IT IS THE INTENT OF THE DESIGNER TO PROVIDE FLEXIBILITY TO THE OWNER IN THE SELECTION OF THE FIXTURES AND FINISHES. DESIGNER DOES NOT SELECT SPECIFIC MANUFACTURES OF THE PRODUCTS OR FIXTURES UNLESS SUCH PRODUCT IS SPECIFIED. NO SUBSTITUTIONS ARE ALTERNATES WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
- A.4. BUILDER'S BASE PROPOSAL SHALL INCLUDE THE MINIMUM QUALITY PRODUCT ACCEPTABLE BY THE INDUSTRY STANDARD OR BUILDING CODE. WITHIN 10 DAYS OF CONTRACT AWARD, THE BUILDER SHALL SUBMIT NEATLY TO THE ARCHITECT AND OWNER ALL THE PRODUCT SPECIFICATIONS OF THE EACH PRODUCT BEING USED IN THE PROJECT.
- B. SUBSTITUTIONS OR ALTERNATES:**
- B.1. THE TERM "ALTERNATES" SHALL BE THOSE ITEMS SUBMITTED AT THE TIME OF BID WHICH PROVIDE ANOTHER OPTION FOR THE OWNER TO CONSIDER. ALTERNATES MUST BE APPROVED PRIOR TO ACCEPTANCE OF BID. ALTERNATES MAY INCREASE THE OVERALL COST OF THE PROJECT.
- B.2. THE TERM "SUBSTITUTION" SHALL MEAN THOSE ITEMS A BUILDER WISHES TO CHANGE FROM THE ORIGINAL CONTRACT DOCUMENTS. SUBSTITUTION SHALL BE APPROVED PRIOR TO INSTALLATION. SUBSTITUTIONS SHALL NOT INCREASE THE OVERALL COST OF THE PROJECT. THE BUILDER MAY SUBMIT (1) MID LEVEL AND (1) UPPER LEVEL ALTERNATE TO EACH MATERIALS OR PROJECT AS A SEPARATE LINE ITEM IN THE PROPOSAL. ALTERNATES SHALL NOT BE ALLOWED WHERE A SPECIFIC PRODUCT IS NOTED IN THE CONTRACT DOCUMENTS UNLESS SUCH PRODUCT IS NO LONGER AVAILABLE FROM THE MANUFACTURER.
- B.3. ALTERNATES SHALL HAVE GREATER VALUE THAN THE PRODUCT IN THE BASE BID. BUILDER WARRANTS THAT ALTERNATES WILL NOT REQUIRE ANY OTHER DEVIATIONS FROM THE CONTRACT DOCUMENTS AND THAT THE ALTERNATES MEET OR EXCEED ALL REQUIREMENTS FO THE DRAWINGS
- B.5. SUBSTITUTIONS SHALL HAVE EQUAL OR GREATER REQUIREMENTS THAN THAT PRODUCT THEY ARE REPLACING. BUILDER WARRANTS THAT SUBSTITUTIONS WILL NOT REQUIRE ANY OTHER DEVIATIONS FROM THE CONTRACT DOCUMENTS AND THE SUBSTITUTIONS MEET OR EXCEED ALL REQUIREMENTS.
- C. VALUE ENGINEERING:**
- C.1. VALUE ENGINEERING MAY TAKE PLACE ONLY AFTER AN AWARD OF CONTRACT.
- C.2. WHEN A BUILDING PROPOSES METHODS OF COST REDUCTION, I.E. VALUE ENGINEERING, OF A PROJECT, SUCH PROPOSALS SHALL INCLUDE THE COST OF REVISIONS REQUIRED BY THE ARCHITECT AND/OR ENGINEERS. THE FEES INCURRED BY THE ARCHITECT AND/OR ENGINEER SHALL BE PAID FOR BY THE OWNER AND REIMBURSED TO THE OWNER FROM THE BUILDING. WHEN VALUE ENGINEERING ANY PORTION OF THIS PROJECT, THE BUILDER SHALL DOCUMENT EACH COMPONENT COST IN A SCHEDULE THAT IS PROVIDED TO THE OWNER FOR REVIEW. THE SCHEDULES SHALL SHOW THE COST OF CONSTRUCTION PRIOR TO AND AFTER VALUE ENGINEERING AND SHALL INCLUDE ADDITIONS AND REDUCTIONS OF BOTH MATERIALS AND LABOR FOR EACH ITEM.
- C.3. BUILDERS PROFIT PERCENTAGE SHALL NOT BE INCREASED AS A RESULT OF VALUE ENGINEERING.
- C.4. THE VALUE ENGINEERING SCHEDULE SHALL INCLUDE ALL TRADES AFFECTED.

## PART THREE-EXECUTION

- A. CONTRACT ADMINISTRATION:**
- A.1. WITHIN 10 DAYS OF AWARD OF THE CONTRACT FOR CONSTRUCTION THE BUILDER SHALL PROVIDE THE OWNER AND ARCHITECT WITH THE FOLLOWING:
- A.1.1. COPY OF ALL THE AGREEMENTS WITH THE SUB-CONTRACTOR ALONG WITH THE SUB-CONTRACTORS NAME, ADDRESS, AND TELEPHONE NUMBER.
- A.1.2. COPY OF ALL THE PRODUCT SPECIFICATIONS FOR THE PRODUCTS BEING USED IN THIS PROJECT.
- A.1.3. COPY OF BUILDER S LICENSE AND INSURANCE CERTIFICATES AND BOND CERTIFICATE IF ONE IS REQUIRED.
- A.1.4. COPY OF CONSTRUCTION SCHEDULE
- A.2. THE PROJECT SCHEDULE SHALL BE UPDATED WITHIN THE COURSE OF THE PROJECT.
- A.3. ADDITIONAL REQUIREMENTS SHALL BE AGREED UPON IN THE CONTRACT FOR CONSTRUCTION.
- B. CONTRACT DOCUMENTS:**
- B.1. THE DRAWINGS, ARRANGEMENTS, ANNOTATION AND GRAPHICAL PRESENTATIONS ARE THE PROPERTY OF THE ARCHITECT WHO RETAINS OWNERSHIP AND AUTHORSHIP OF THE DOCUMENTS IN ITS' ENTIRETY. THE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND ARE THE INTELLECTUAL AND PHYSICAL PROPERTY OF THE ARCHITECT. AUTHORIZED USE OF THE DOCUMENTS ARE GRANTED SOLELY FOR THE THIS PROJECT AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT.
- B.2. THE BUILDER SHALL CAREFULLY EXAMINE ALL CONTRACT DOCUMENTS. THE BUILDER SHALL COORDINATE THE WORK WITH ALL TRADES, INCLUDING BUT NOT LIMITED TO, STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING, CIVIL AND SPECIALTY DRAWINGS INCLUDING SHOP DRAWINGS AND MATERIAL SPECIFICATIONS. ANY DEVIATION FOR INCONSISTENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO COMMENCEMENT OF OF WORK.
- B.3. ALL DRAWINGS ARE DIAGRAMMATIC AND SCHEMATIC IN NATURE. WORK INCLUDES CERTAIN COMPONENTS, APPURTENANCES AND RELATED SPECIALTIES THAT MAY NOT BE SHOWN. WORK ALSO INCLUDES ALL COMPONENTS OF ASSEMBLES TO WHICH ARE PART OF THE ASSEMBLY. BUILDER SHALL PROVIDE ALL NECESSARY COMPONENTS REQUIRED FOR COMPLETED STRUCTURE READY FOR HUMAN OCCUPANCY.
- B.4. DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, NOT HIERARCHAL. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION PRIOR TO COMMENCEMENT OF ANY WORK.
- B.5. PLANS, NOTATIONS AND DETAILS ARE HIERARCHAL. HIGHLY DETAILED DRAWINGS TAKE PRECEDENCE OVER LOWER DETAILED DRAWINGS. NOTATIONS TAKE PRECEDENCE OF GRAPHICAL DRAWINGS.
- B.6. DO NOT SCALE THESE DRAWINGS. SCALED NOTED ON PLANS IS FOR VISUAL ORIENTATION ONLY. UNDER NO CIRCUMSTANCES WILL A BUILDER BE CREDITED FOR MISTAKES CAUSED BY "SCALING" DRAWINGS. IF A DISCREPANCY IS FOUND, THE BUILDER IS TO CONTACT THE ARCHITECT FOR INTERPRETATION OF INTENT PRIOR TO COMMENCEMENT OF WORK.
- B.7. CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE BUILDER. THE ARCHITECT HAS ACCOUNTED FOR THE MOST COMMON OF TECHNIQUES USED IN THE DESIGN OF THIS PROJECT.
- B.8. DIMENSIONS ARE TO FACE OF STUD, CMU OR CONCRETE UNLESS OTHERWISE NOTED.
- B.9. WHERE MECHANICAL, ELECTRICAL, PLUMBING OR SPECIALTY DRAWINGS ARE PREPARED BY THE BUILDER OR THE BUILDER SUB-CONTRACTOR, THE DRAWINGS SHALL BE CONSIDER SHOP DRAWINGS AN SHALL BE SUBMITTED OT THE ARCHITECT FOR REVIEW PRIOR TO SUBMITTAL TO THE BUILDING DEPARTMENT AND/OR COMMENCEMENT OF WORK. THE ARCHITECT RETAINS THE RIGHT TO REJECT SHOP DRAWINGS NOT IN CONFORMANCE WITH THE DESIGN INTENT.
- C. SHOP DRAWINGS:**
- C.1. BY SUBMITTING SHOP DRAWINGS TO THE ARCHITECT/ENGINEER, THE BUILDER WARRANTS THAT THEY HAVE REVIEWED THE SHOP DRAWINGS, COORDINATED THE SHOP DRAWINGS WITH ALL RELATED TRADES, VERIFIED ALL DIMENSION WITH THE ACTUAL FIELD CONDITIONS, CONFIRMED QUANTITIES PERFORMANCE REQUIREMENTS AND FABRICATION PROCESSES.

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

### CONSULTING ENGINEERS:

**PALMER ENGINEERING:**  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770) 908-9908

**WESTSIDE ENGINEERING:**  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**

Seal:



08.01.22


No.	Date	Issue Notes

Logo File:



Draw File:

**GENERAL  
NOTES**

Date	8.1.2022	Project Number	2021-77
CAD File Name			

Drawing Number

A-0.1

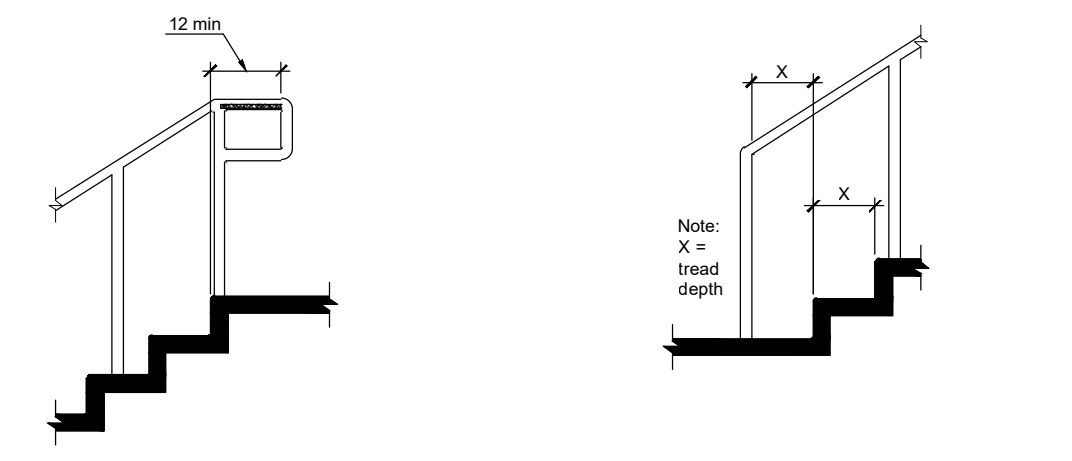


FIGURE 505.10.2 TOP HANDRAIL EXTENSIONS AT STAIRS

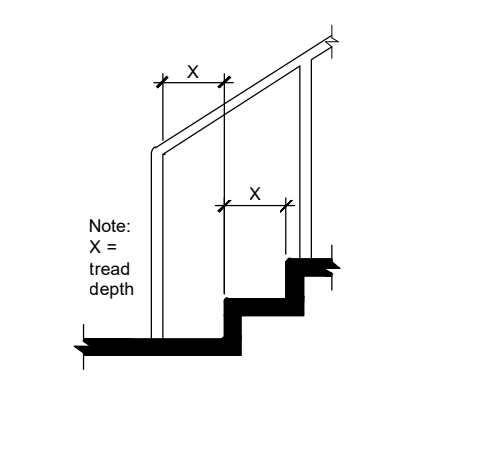


FIGURE 505.10.3 BOTTOM HANDRAIL EXTENSIONS AT STAIRS

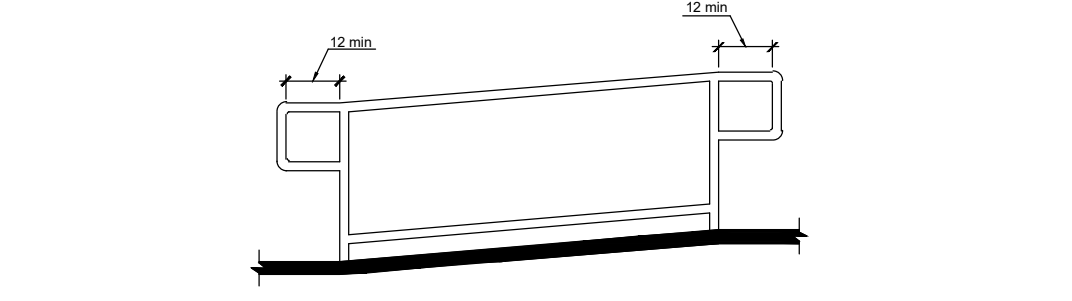


FIGURE 505.10.1 TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

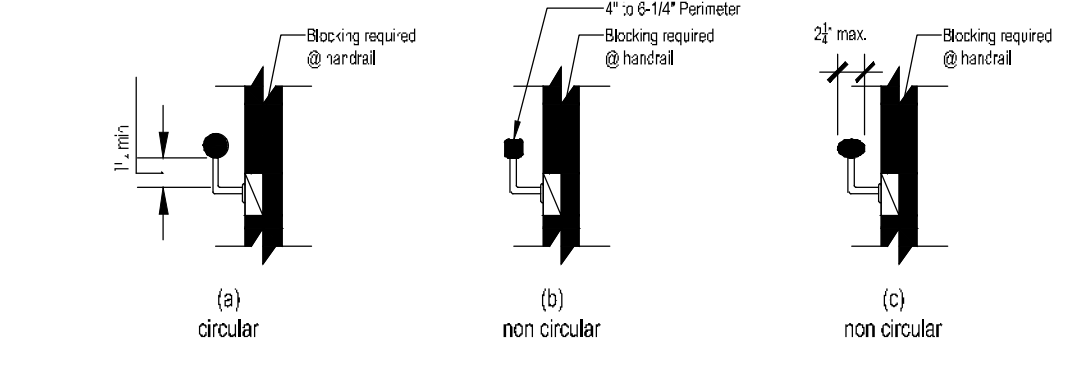


FIGURE 505.7 HANDRAIL CROSS SECTION

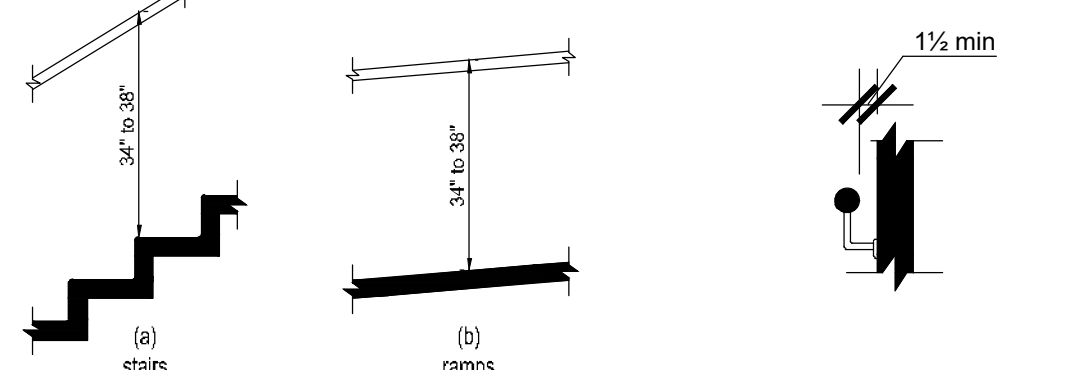


FIGURE 505.4 HANDRAIL HEIGHT

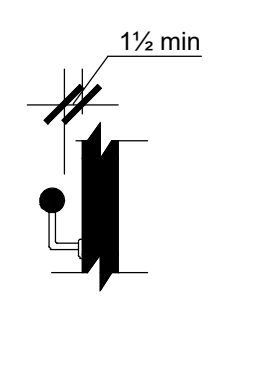


FIGURE 505.5 HANDRAIL CLEARANCE

505.2 LOCATION. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS.  
 505.3 CONTINUITY. HANDRAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS OR RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS OR RUNS. OTHER HANDRAILS SHALL COMPLY WITH SECTIONS 505.10 AND 307.  
 505.4 HEIGHT. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34" MINIMUM AND 38" MAXIMUM VERTICALLY ABOVE STAIR NOSINGS AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE STAIR NOSINGS AND RAMP SURFACES.  
 505.5 CLEARANCE. CLEAR SPACE BETWEEN HANDRAIL AND WALL SHALL BE 1 1/2" MINIMUM.  
 505.6 GRIPPING SURFACE. GRIPPING SURFACES SHALL BE CONTINUOUS, WITHOUT INTERRUPTION BY NEWELL POSTS, OR OTHER CONSTRUCTION ELEMENTS OR OBSTRUCTIONS.  
 505.7 CROSS SECTION. HANDRAILS SHALL HAVE A CIRCULAR CROSS-SECTION WITH AN OUTSIDE DIAMETER OF 1 1/2" MINIMUM AND 2" MAXIMUM, OR SHALL PROVIDE EQUIVALENT GRASPABILITY COMPLYING WITH SECTION 505.7.1.  
 505.7.1 NON-CIRCULAR CROSS SECTIONS. HANDRAILS WITH OTHER SHAPES SHALL BE PERMITTED PROVIDED THEY HAVE A PERIMETER DIMENSION OF 4" MINIMUM AND 6 1/2" MAXIMUM, AND PROVIDED THEIR LARGEST CROSS-SECTION DIMENSION IS 2 1/2" MAXIMUM.  
 505.10.1 TOP AND BOTTOM EXTENSION AT RAMPS. RAMP HANDRAILS SHALL EXTEND HORIZONTALLY 12" MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. SUCH EXTENSION SHALL RETURN TO A WALL, GUARD, OR THE WALKING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN.  
 505.10.2 TOP EXTENSIONS AT STAIRS. AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12" MINIMUM, BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING. SUCH EXTENSION SHALL RETURN TO A WALL, GUARD OR THE WALKING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.  
 505.10.3 BOTTOM EXTENSION AT STAIRS. AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A DISTANCE EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING. SUCH EXTENSION SHALL CONTINUE WITH A HORIZONTAL EXTENSION OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT, OR SHALL RETURN TO A WALL, GUARD OR THE WALKING SURFACE. IF PROVIDED AT THE BOTTOM OF A STAIR FLIGHT, A HORIZONTAL EXTENSION OF A HANDRAIL SHALL BE 12" LONG, MINIMUM, AND A HEIGHT EQUAL TO THAT OF THE SLOPING PORTION OF THE HANDRAIL, AS MEASURED ABOVE THE STAIR NOSINGS. SUCH EXTENSION SHALL RETURN TO A WALL, GUARD OR THE WALKING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

505 Handrails, Typical (Refer to drawings for greater detail) J

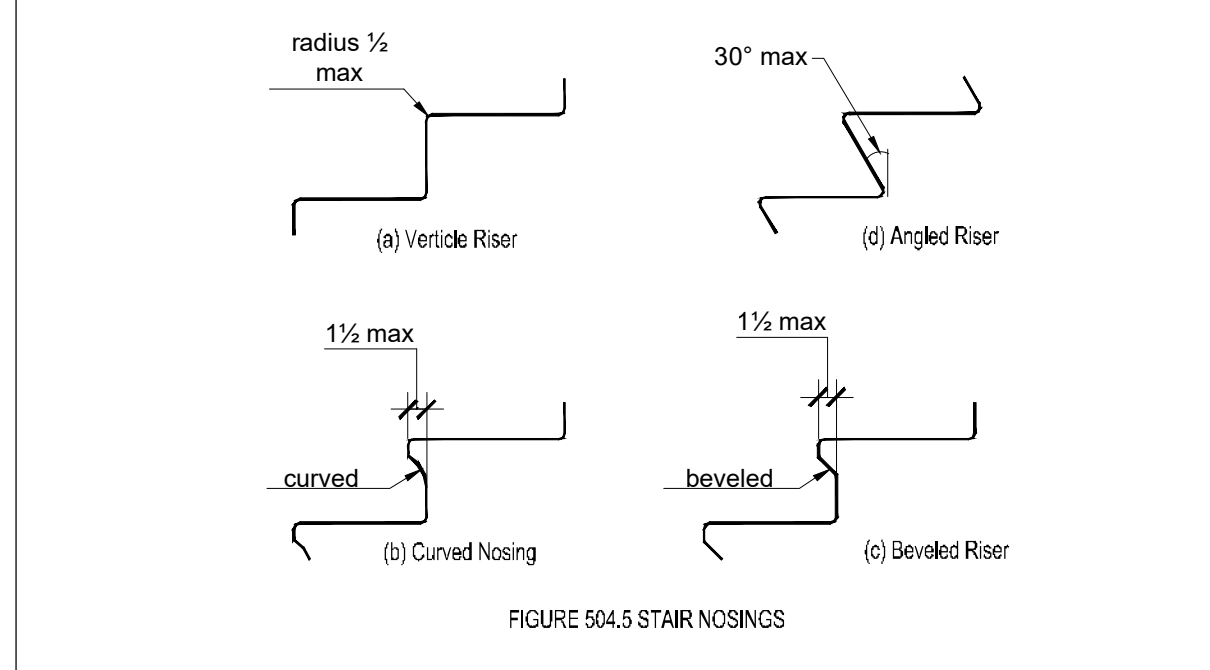


FIGURE 504.5 STAIR NOSINGS

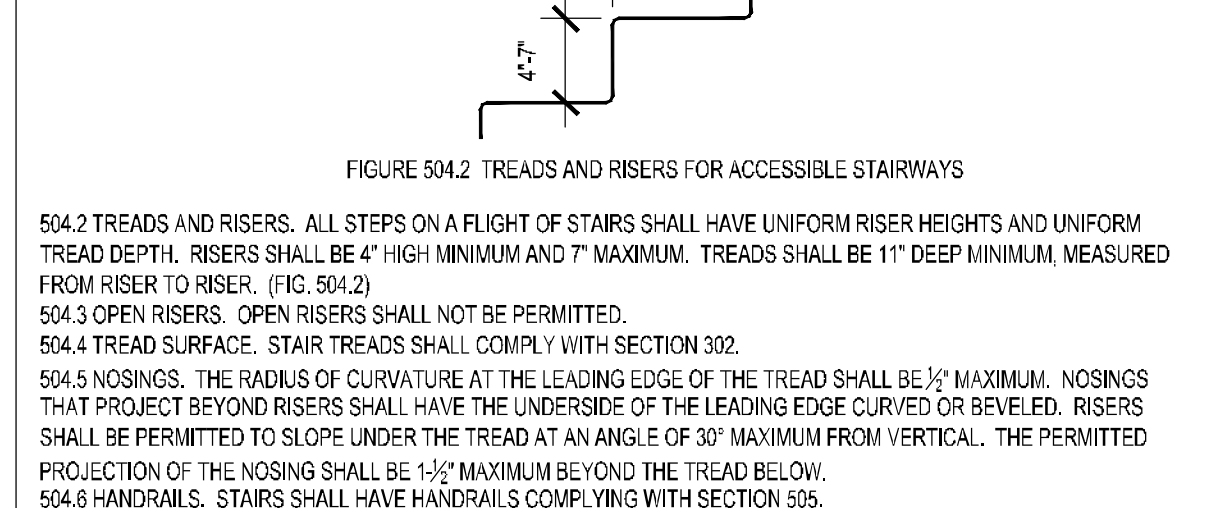


FIGURE 504.2 TREADS AND RISERS FOR ACCESSIBLE STAIRWAYS

504.2 TREADS AND RISERS. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTH. RISERS SHALL BE 4" HIGH MINIMUM AND 7" MAXIMUM. TREADS SHALL BE 11" DEEP MINIMUM, MEASURED FROM RISER TO RISER. (FIG. 504.2)  
 504.3 OPEN RISERS. OPEN RISERS SHALL NOT BE PERMITTED.  
 504.4 TREAD SURFACE. STAIR TREADS SHALL COMPLY WITH SECTION 302.  
 504.5 NOSINGS. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2" MAXIMUM. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT AN ANGLE OF 30° MAXIMUM FROM VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL BE 1/2" MAXIMUM BEYOND THE TREAD BELOW.  
 504.6 HANDRAILS. STAIRS SHALL HAVE HANDRAILS COMPLYING WITH SECTION 505.

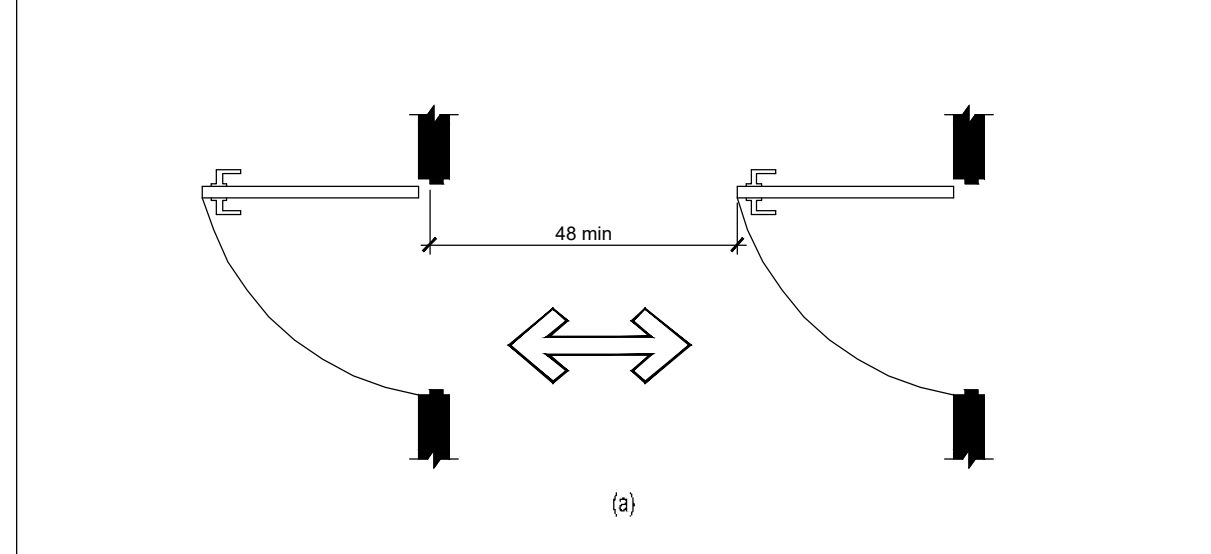


FIGURE 404.2.6 TWO DOORS IN SERIES

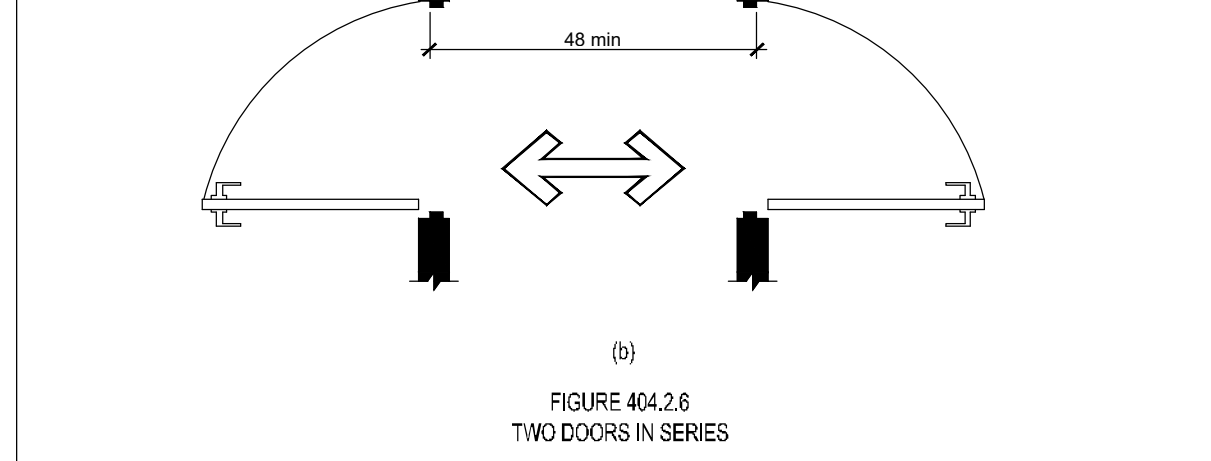


FIGURE 404.2.4.3 MANEUVERING CLEARANCES FOR DOORWAYS WITHOUT DOORS

APPROACH DIRECTION	MINIMUM CLEARANCES	
	PERPENDICULAR TO DOORWAY (1)	
FROM FRONT	48"	
FROM SIDE	42"	

TABLE 404.2.4.3 - MANEUVERING CLEARANCES FOR DOORWAYS WITHOUT DOORS

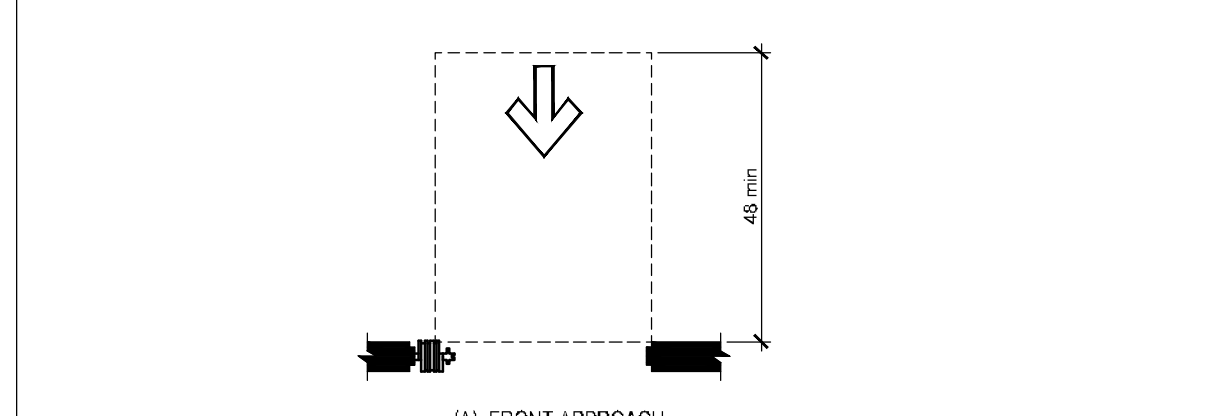


FIGURE 404.2.4.1 MANEUVERING CLEARANCES AT SWINGING DOORS

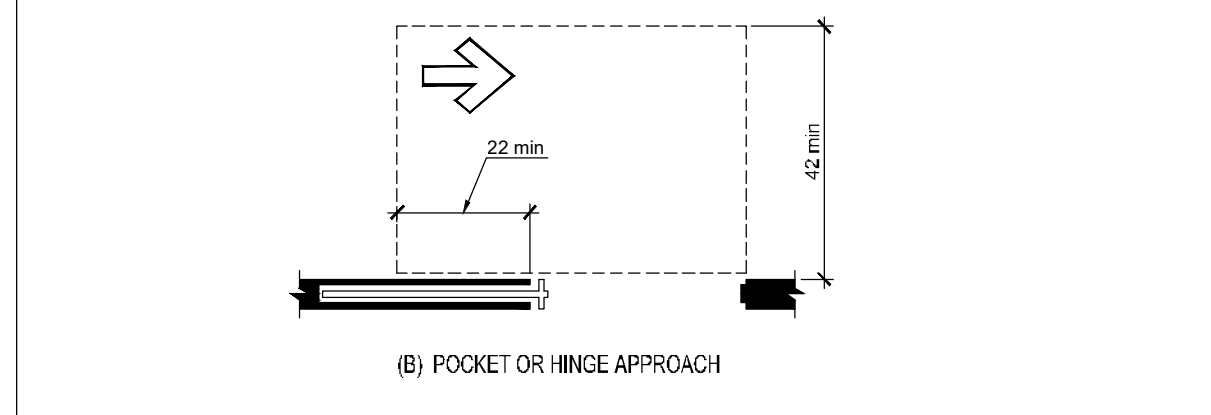


FIGURE 404.2.4.2 MANEUVERING CLEARANCES AT SLIDING AND FOLDING DOORS

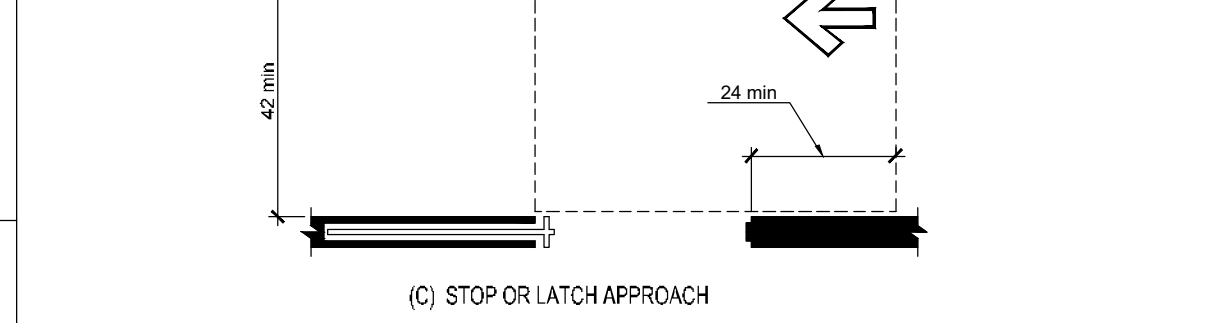


FIGURE 404.2.4.1 MANEUVERING CLEARANCES OF MANUAL SWINGING DOORS

APPROACH DIRECTION	MINIMUM CLEARANCES	
	PERPENDICULAR TO DOOR (1)	PARALLEL TO DOOR
FROM FRONT	60"	18"
FROM HINGE SIDE	48"	0" (2)
FROM LATCH SIDE	42" (2)	24" (2)

TABLE 404.2.4.1 - MANEUVERING CLEARANCES OF MANUAL SWINGING DOORS

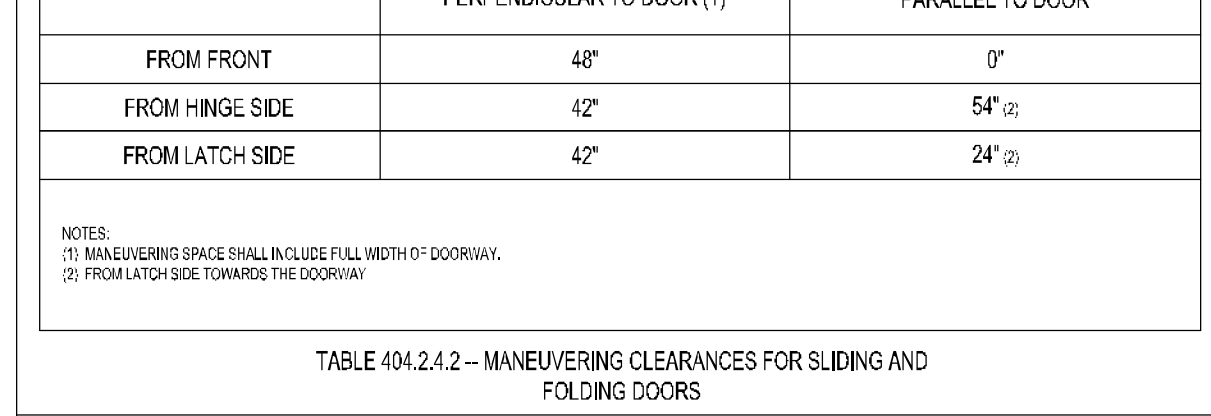


FIGURE 404.2.3 CLEAR WIDTH OF DOORWAYS

404.2.2 DOUBLE-LEAF DOORWAYS. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO INDEPENDENTLY OPERATED LEAVES SHALL COMPLY WITH ICC/ANSI A117.1-1998 SECTIONS 404.2.3 AND 404.2.4.  
 404.2.3 CLEAR WIDTH. DOORWAYS SHALL HAVE A CLEAR OPENING OF 32" MINIMUM. CLEAR OPENING OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF DOOR AND STOP WITH THE DOOR OPEN 90°. OPENINGS MORE THAN 24" DEEP SHALL PROVIDE A CLEAR OPENING OF 36" MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE CLEAR OPENING WIDTH LOWER THAN 34" ABOVE THE FLOOR AND GROUND. PROJECTIONS INTO THE MINIMUM CLEAR OPENING WIDTH MORE THAN 34" AND UP TO 90° ABOVE THE FLOOR OR GROUND ARE PERMITTED BUT SHALL NOT EXCEED 4". (FIG. 404.2.3)  
 404.2.4 MANEUVERING CLEARANCES AT DOORS. (SEE TABLES 404.2.4.1, 404.2.4.2 AND 404.2.4.3) AND SEE FIGS. 404.2.4.1, 404.2.4.2 AND 404.2.4.3  
 404.2.4.1 SWINGING DOORS. SWINGING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.1  
 404.2.4.2 SLIDING AND FOLDING DOORS. SLIDING DOORS AND FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.2  
 404.2.4.3 DOORWAYS WITHOUT DOORS. DOORWAYS WITHOUT DOORS THAT ARE LESS THAN 36" WIDE SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.3  
 404.2.4.4 RECESSED DOORS. WHERE THE PLANE OF THE DOORWAY IS RECESSED CLEARANCES FOR FRONT APPROACH SHALL BE PROVIDED.  
 404.2.4.5 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES WITHIN THE MANEUVERING CLEARANCES SHALL HAVE A SLOPE NOT STEEPER THAN 1:48 AND SHALL COMPLY WITH SECTION 302.  
 404.2.5 THRESHOLDS AT DOORWAYS. THRESHOLDS, IF PROVIDED, AT DOORWAYS SHALL BE 2" HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS MUST COMPLY WITH SECTIONS 302 AND 303.  
 404.2.6 TWO DOORS IN SERIES. DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES SHALL BE 48" MINIMUM PLUS THE WIDTH OF ANY DOOR SWINGING INTO THE SPACE.  
 404.2.7 DOOR HARDSHIPS. HANDLES, PULLS, LATCHES AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR OR GROUND, WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.  
 EXCEPTION: LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED IN ANY LOCATION.

404 Doors and Doorways H

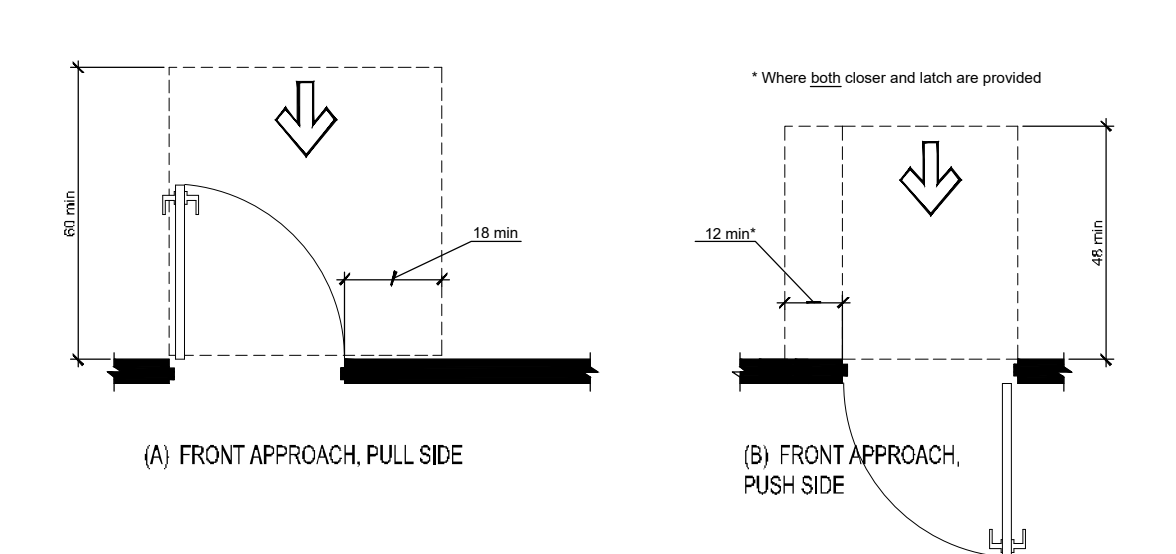


FIGURE 403.5 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

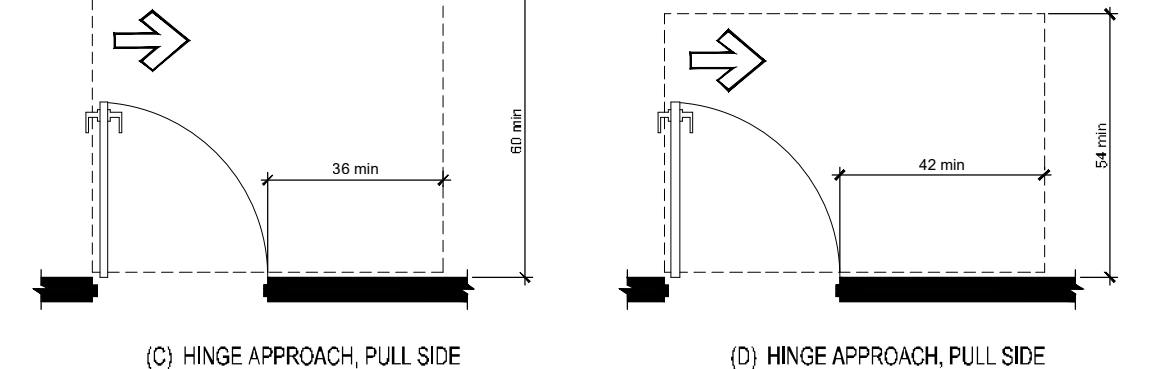


FIGURE 403.5 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

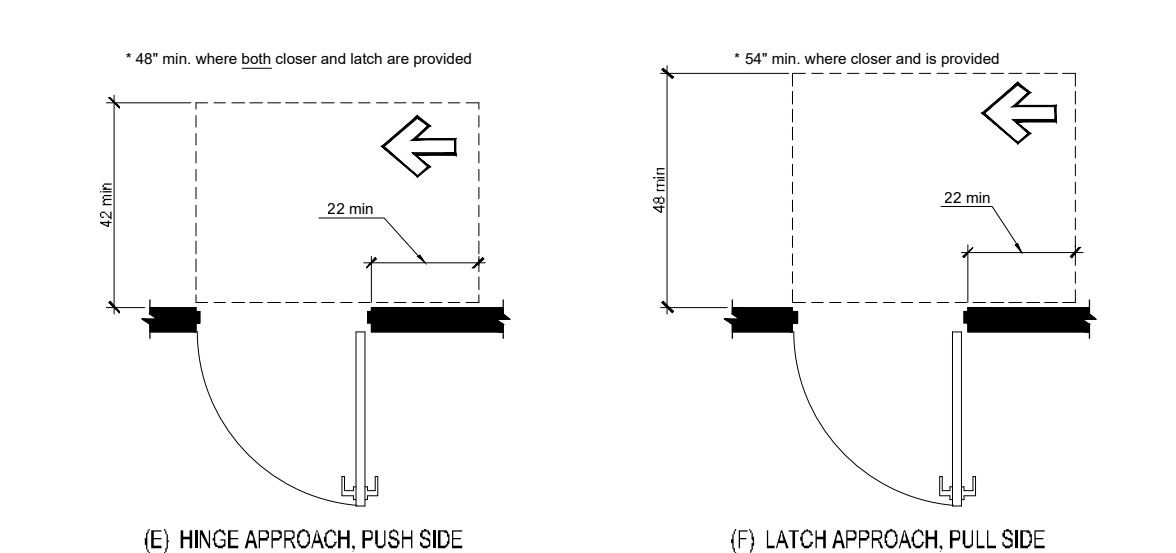


FIGURE 403.5 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

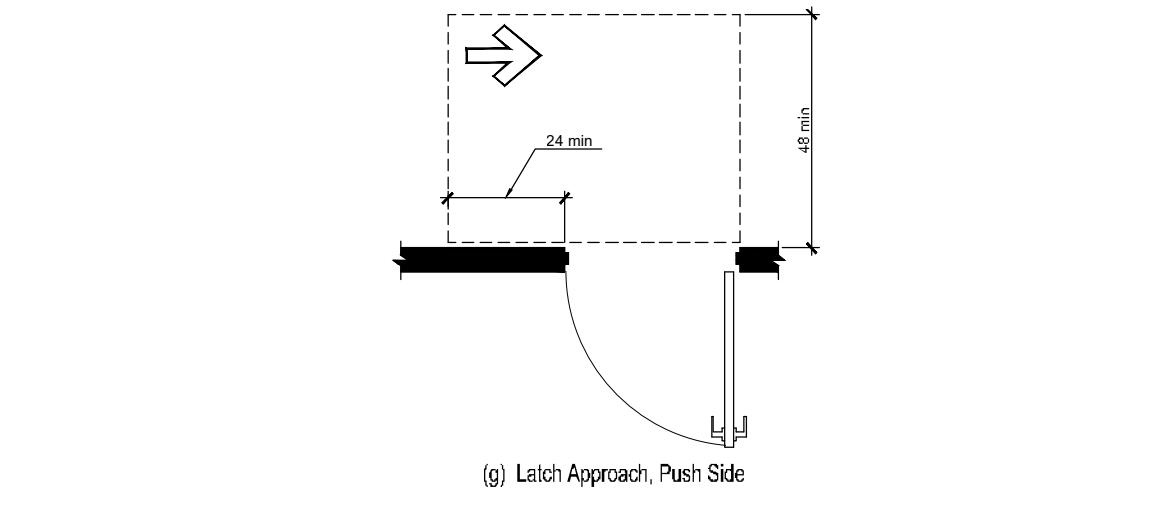


FIGURE 403.5 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

TYPE OF USE	MINIMUM CLEARANCES	
	PERPENDICULAR TO DOOR (1)	BEYOND LATCH PARALLEL TO DOOR
FROM FRONT PULL	60"	18"
FROM FRONT PUSH	48"	0" (2)
FROM HINGE PULL	54"	42"
FROM HINGE PUSH	42" (2)	54"
FROM LATCH PULL	48" (3)	24"
FROM LATCH PUSH	42" (3)	24"

TABLE 404.2.4.1 - MANEUVERING CLEARANCES OF MANUAL SWINGING DOORS



FIGURE 404.2.2 MANEUVERING CLEARANCES AT SLIDING AND FOLDING DOORS

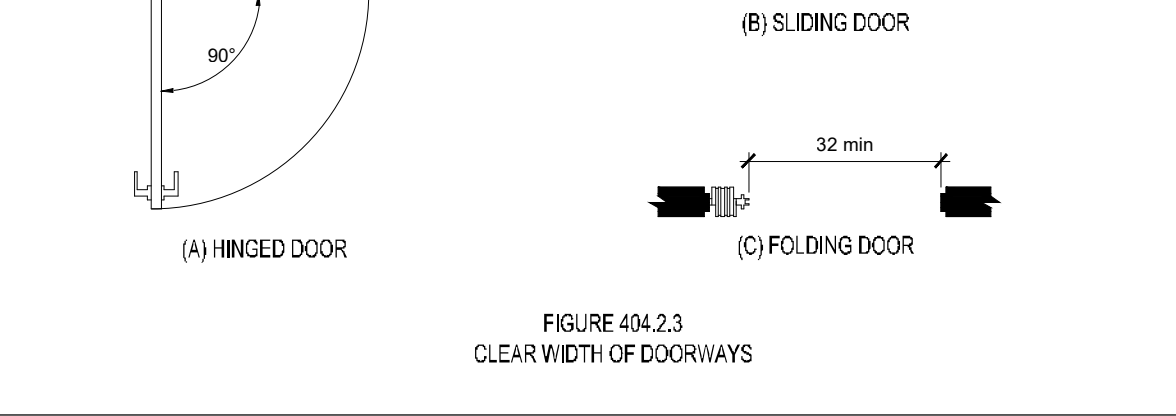


FIGURE 404.2.3 CLEAR WIDTH OF DOORWAYS

404.2.2 DOUBLE-LEAF DOORWAYS. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO INDEPENDENTLY OPERATED LEAVES SHALL COMPLY WITH ICC/ANSI A117.1-1998 SECTIONS 404.2.3 AND 404.2.4.  
 404.2.3 CLEAR WIDTH. DOORWAYS SHALL HAVE A CLEAR OPENING OF 32" MINIMUM. CLEAR OPENING OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF DOOR AND STOP WITH THE DOOR OPEN 90°. OPENINGS MORE THAN 24" DEEP SHALL PROVIDE A CLEAR OPENING OF 36" MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE CLEAR OPENING WIDTH LOWER THAN 34" ABOVE THE FLOOR AND GROUND. PROJECTIONS INTO THE MINIMUM CLEAR OPENING WIDTH MORE THAN 34" AND UP TO 90° ABOVE THE FLOOR OR GROUND ARE PERMITTED BUT SHALL NOT EXCEED 4". (FIG. 404.2.3)  
 404.2.4 MANEUVERING CLEARANCES AT DOORS. (SEE TABLES 404.2.4.1, 404.2.4.2 AND 404.2.4.3) AND SEE FIGS. 404.2.4.1, 404.2.4.2 AND 404.2.4.3  
 404.2.4.1 SWINGING DOORS. SWINGING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.1  
 404.2.4.2 SLIDING AND FOLDING DOORS. SLIDING DOORS AND FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.2  
 404.2.4.3 DOORWAYS WITHOUT DOORS. DOORWAYS WITHOUT DOORS THAT ARE LESS THAN 36" WIDE SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.3  
 404.2.4.4 RECESSED DOORS. WHERE THE PLANE OF THE DOORWAY IS RECESSED CLEARANCES FOR FRONT APPROACH SHALL BE PROVIDED.  
 404.2.4.5 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES WITHIN THE MANEUVERING CLEARANCES SHALL HAVE A SLOPE NOT STEEPER THAN 1:48 AND SHALL COMPLY WITH SECTION 302.  
 404.2.5 THRESHOLDS AT DOORWAYS. THRESHOLDS, IF PROVIDED, AT DOORWAYS SHALL BE 2" HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS MUST COMPLY WITH SECTIONS 302 AND 303.  
 404.2.6 TWO DOORS IN SERIES. DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES SHALL BE 48" MINIMUM PLUS THE WIDTH OF ANY DOOR SWINGING INTO THE SPACE.  
 404.2.7 DOOR HARDSHIPS. HANDLES, PULLS, LATCHES AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR OR GROUND, WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.  
 EXCEPTION: LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED IN ANY LOCATION.

404 Doors and Doorways H

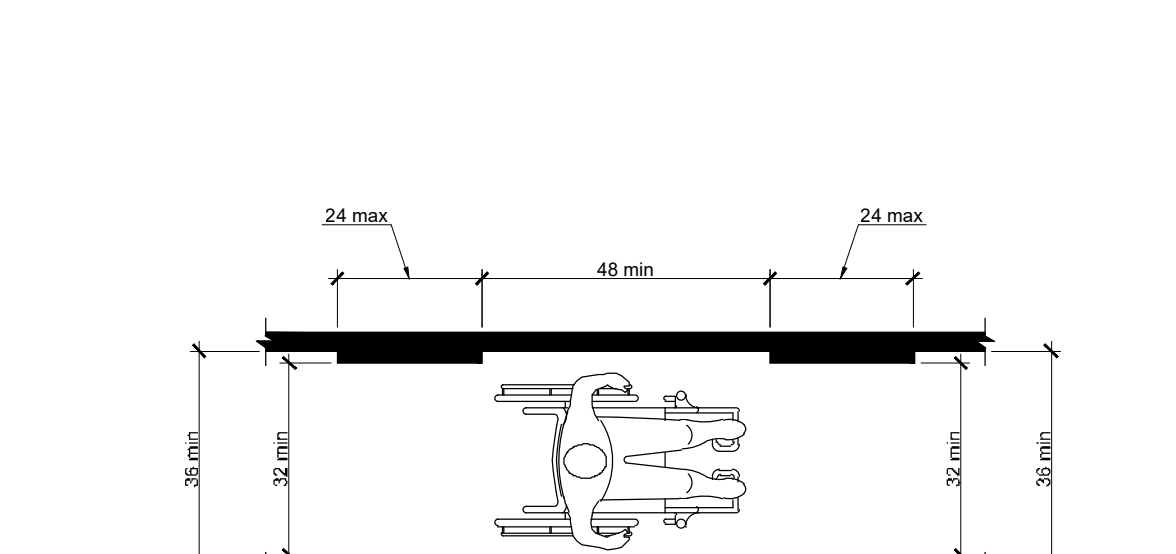


FIGURE 403.5 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

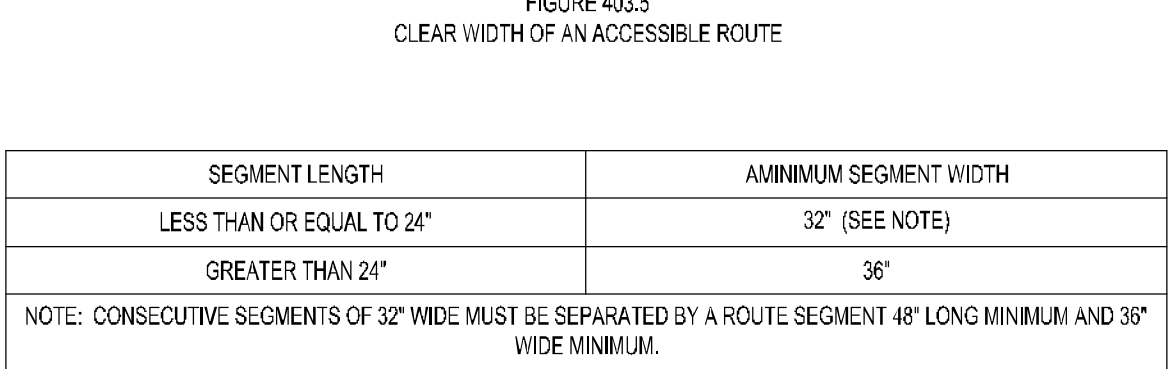


FIGURE 403.5 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

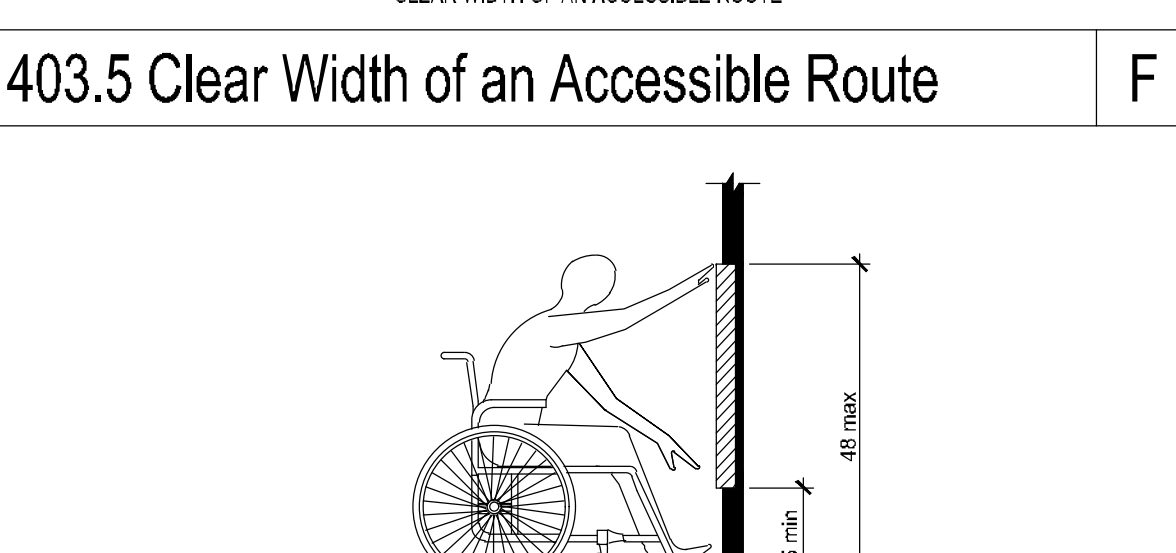


FIGURE 403.5 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

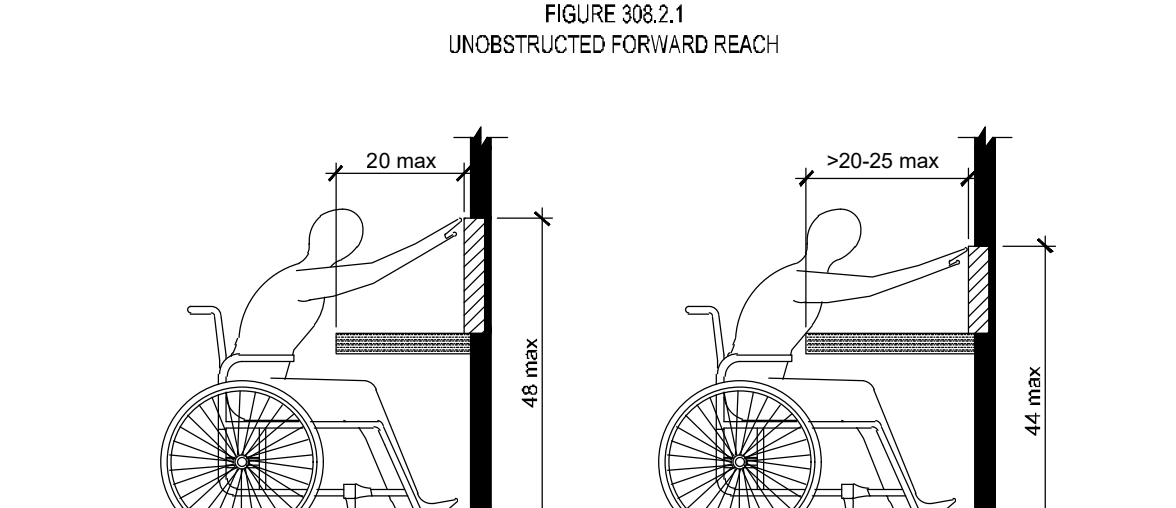


FIGURE 403.5 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

TYPE OF USE	MINIMUM CLEARANCES	
	PERPENDICULAR TO DOOR (1)	BEYOND LATCH PARALLEL TO DOOR
FROM FRONT PULL	60"	18"
FROM FRONT PUSH	48"	0" (2)
FROM HINGE PULL	54"	42"
FROM HINGE PUSH	42" (2)	54"
FROM LATCH PULL	48" (3)	24"
FROM LATCH PUSH	42" (3)	24"

TABLE 404.2.4.1 - MANEUVERING CLEARANCES OF MANUAL SWINGING DOORS

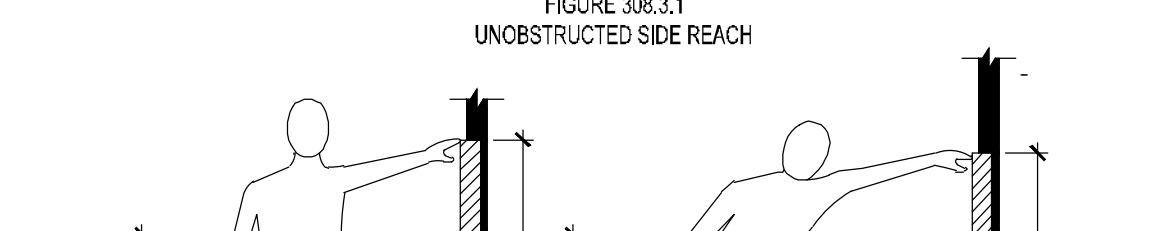


FIGURE 404.2.2 MANEUVERING CLEARANCES AT SLIDING AND FOLDING DOORS

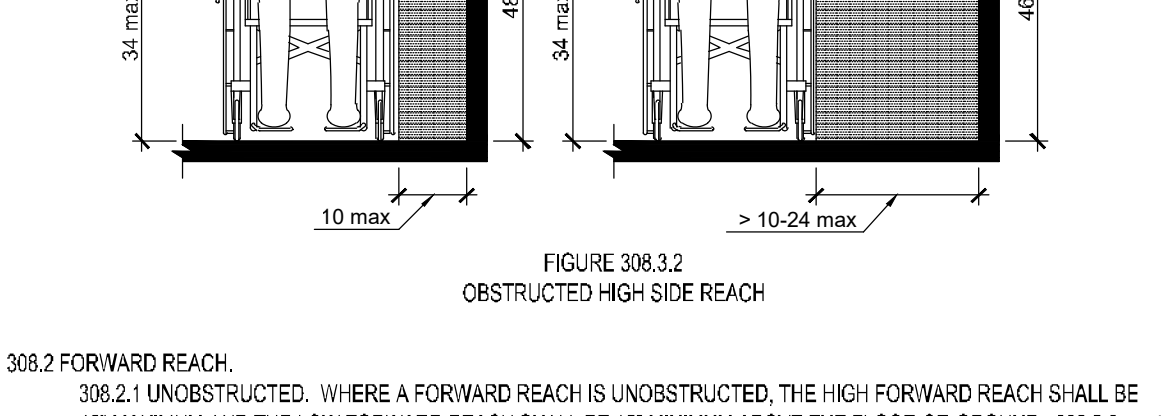


FIGURE 404.2.3 CLEAR WIDTH OF DOORWAYS

404.2.2 DOUBLE-LEAF DOORWAYS. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO INDEPENDENTLY OPERATED LEAVES SHALL COMPLY WITH ICC/ANSI A117.1-1998 SECTIONS 404.2.3 AND 404.2.4.  
 404.2.3 CLEAR WIDTH. DOORWAYS SHALL HAVE A CLEAR OPENING OF 32" MINIMUM. CLEAR OPENING OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF DOOR AND STOP WITH THE DOOR OPEN 90°. OPENINGS MORE THAN 24" DEEP SHALL PROVIDE A CLEAR OPENING OF 36" MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE CLEAR OPENING WIDTH LOWER THAN 34" ABOVE THE FLOOR AND GROUND. PROJECTIONS INTO THE MINIMUM CLEAR OPENING WIDTH MORE THAN 34" AND UP TO 90° ABOVE THE FLOOR OR GROUND ARE PERMITTED BUT SHALL NOT EXCEED 4". (FIG. 404.2.3)  
 404.2.4 MANEUVERING CLEARANCES AT DOORS. (SEE TABLES 404.2.4.1, 404.2.4.2 AND 404.2.4.3) AND SEE FIGS. 404.2.4.1, 404.2.4.2 AND 404.2.4.3  
 404.2.4.1 SWINGING DOORS. SWINGING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.1  
 404.2.4.2 SLIDING AND FOLDING DOORS. SLIDING DOORS AND FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.2  
 404.2.4.3 DOORWAYS WITHOUT DOORS. DOORWAYS WITHOUT DOORS THAT ARE LESS THAN 36" WIDE SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.3  
 404.2.4.4 RECESSED DOORS. WHERE THE PLANE OF THE DOORWAY IS RECESSED CLEARANCES FOR FRONT APPROACH SHALL BE PROVIDED.  
 404.2.4.5 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES WITHIN THE MANEUVERING CLEARANCES SHALL HAVE A SLOPE NOT STEEPER THAN 1:48 AND SHALL COMPLY WITH SECTION 302.  
 404.2.5 THRESHOLDS AT DOORWAYS. THRESHOLDS, IF PROVIDED, AT DOORWAYS SHALL BE 2" HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS MUST COMPLY WITH SECTIONS 302 AND 303.  
 404.2.6 TWO DOORS IN SERIES. DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES SHALL BE 48" MINIMUM PLUS THE WIDTH OF ANY DOOR SWINGING INTO THE SPACE.  
 404.2.7 DOOR HARDSHIPS. HANDLES, PULLS, LATCHES AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR OR GROUND, WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.  
 EXCEPTION: LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED IN ANY LOCATION.

404 Doors and Doorways H

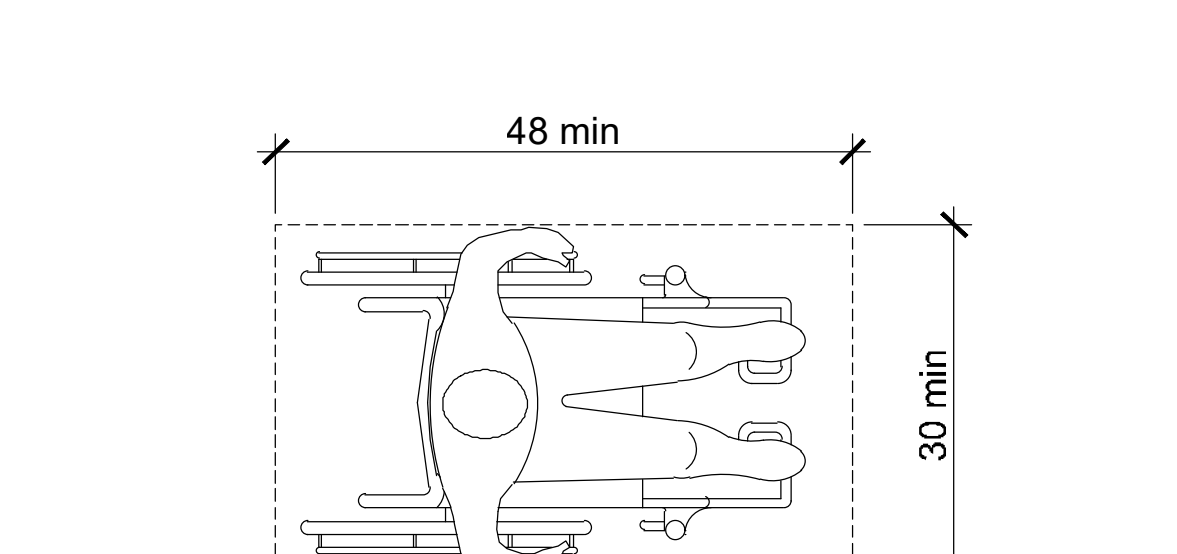


FIGURE 305.3 SIZE OF CLEAR GROUND SPACE

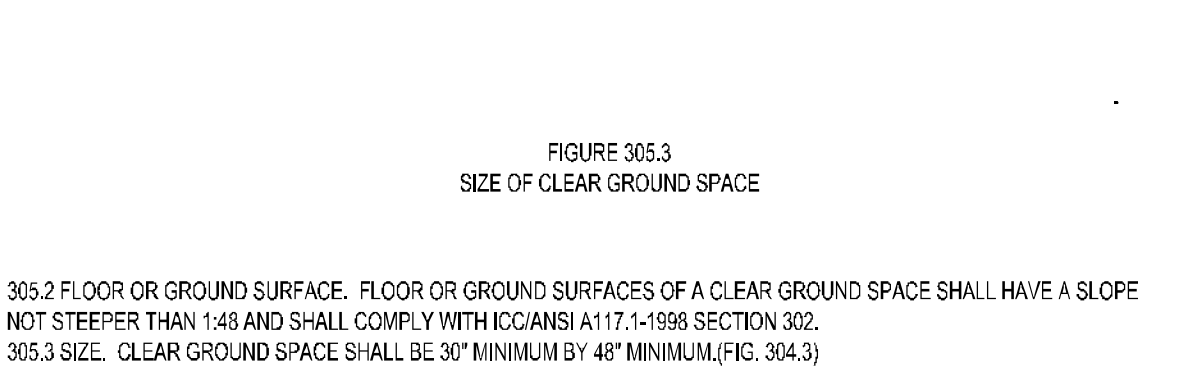


FIGURE 305.3 SIZE OF CLEAR GROUND SPACE

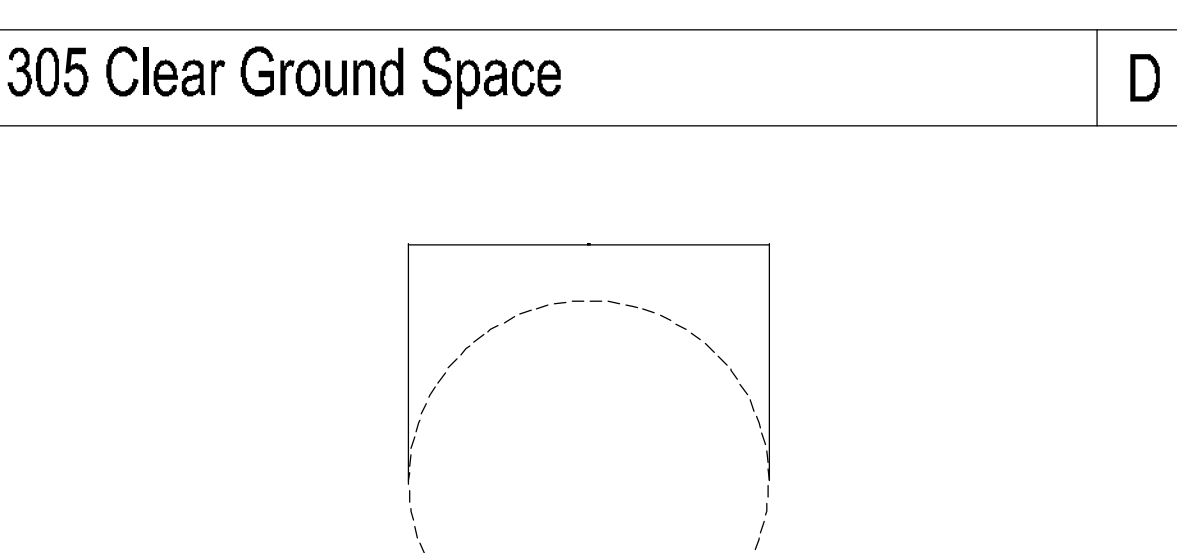


FIGURE 305.3 SIZE OF CLEAR GROUND SPACE

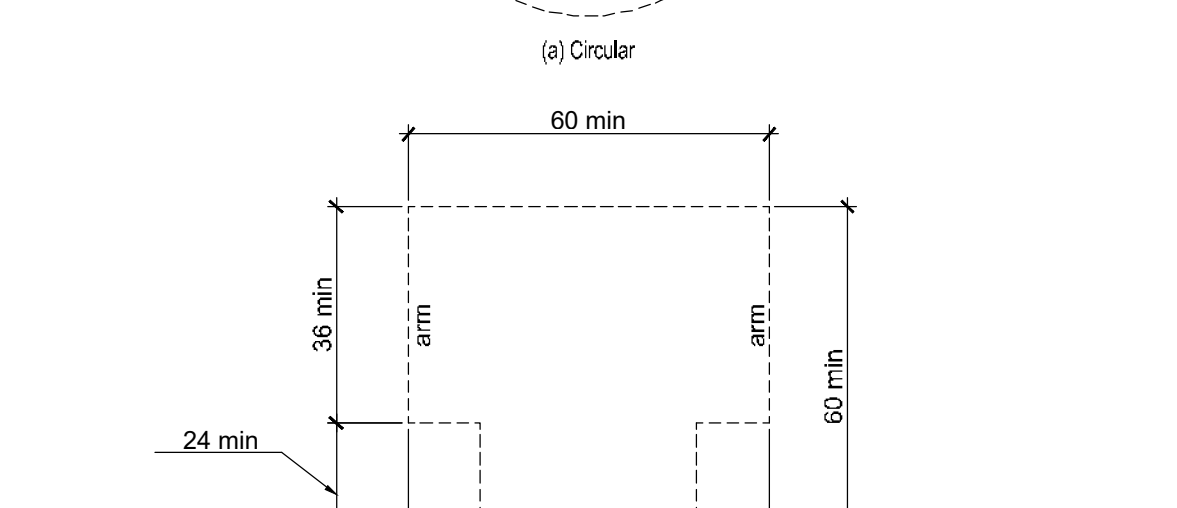


FIGURE 304.3 SIZE OF WHEELCHAIR TURNING SPACE

TYPE OF USE	MINIMUM CLEARANCES	
	PERPENDICULAR TO DOOR (1)	BEYOND LATCH PARALLEL TO DOOR
FROM FRONT PULL	60"	18"
FROM FRONT PUSH	48"	0" (2)
FROM HINGE PULL	54"	42"
FROM HINGE PUSH	42" (2)	54"
FROM LATCH PULL	48" (3)	24"
FROM LATCH PUSH	42" (3)	24"

TABLE 404.2.4.1 - MANEUVERING CLEARANCES OF MANUAL SWINGING DOORS

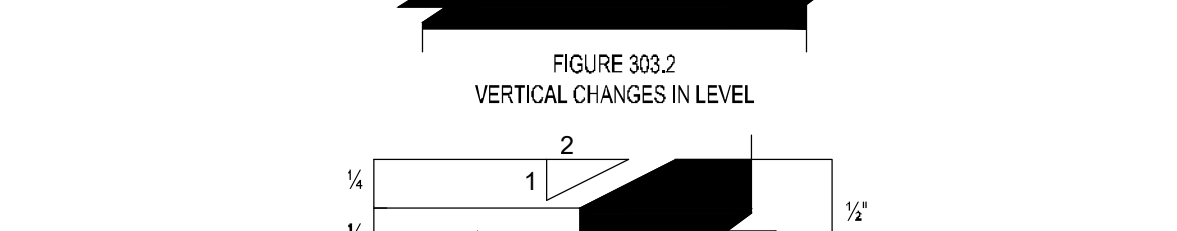


FIGURE 404.2.2 MANEUVERING CLEARANCES AT SLIDING AND FOLDING DOORS

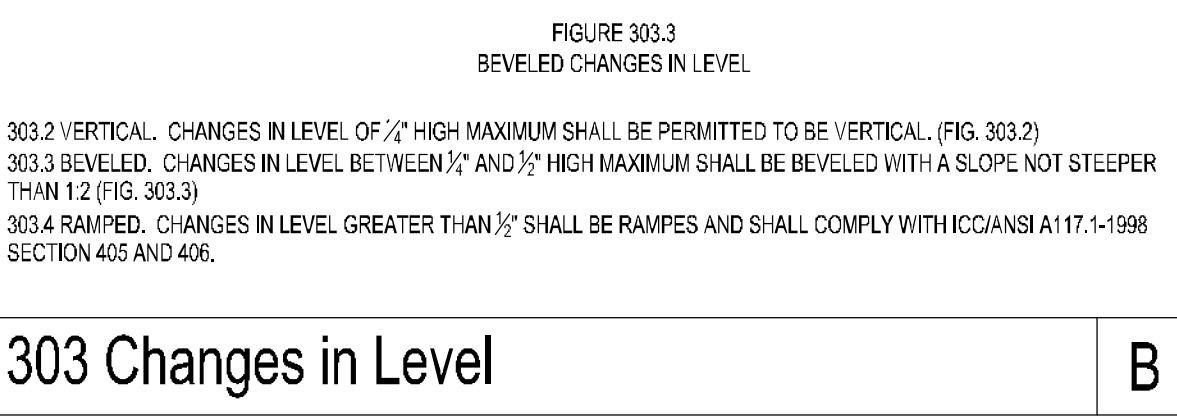


FIGURE 404.2.3 CLEAR WIDTH OF DOORWAYS

404.2.2 DOUBLE-LEAF DOORWAYS. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO INDEPENDENTLY OPERATED LEAVES SHALL COMPLY WITH ICC/ANSI A117.1-1998 SECTIONS 404.2.3 AND 404.2.4.  
 404.2.3 CLEAR WIDTH. DOORWAYS SHALL HAVE A CLEAR OPENING OF 32" MINIMUM. CLEAR OPENING OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF DOOR AND STOP WITH THE DOOR OPEN 90°. OPENINGS MORE THAN 24" DEEP SHALL PROVIDE A CLEAR OPENING OF 36" MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE CLEAR OPENING WIDTH LOWER THAN 34" ABOVE THE FLOOR AND GROUND. PROJECTIONS INTO THE MINIMUM CLEAR OPENING WIDTH MORE THAN 34" AND UP TO 90° ABOVE THE FLOOR OR GROUND ARE PERMITTED BUT SHALL NOT EXCEED 4". (FIG. 404.2.3)  
 404.2.4 MANEUVERING CLEARANCES AT DOORS. (SEE TABLES 404.2.4.1, 404.2.4.2 AND 404.2.4.3) AND SEE FIGS. 404.2.4.1, 404.2.4.2 AND 404.2.4.3  
 404.2.4.1 SWINGING DOORS. SWINGING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.1  
 404.2.4.2 SLIDING AND FOLDING DOORS. SLIDING DOORS AND FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.2  
 404.2.4.3 DOORWAYS WITHOUT DOORS. DOORWAYS WITHOUT DOORS THAT ARE LESS THAN 36" WIDE SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.3  
 404.2.4.4 RECESSED DOORS. WHERE THE PLANE OF THE DOORWAY IS RECESSED CLEARANCES FOR FRONT APPROACH SHALL BE PROVIDED.  
 404.2.4.5 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES WITHIN THE MANEUVERING CLEARANCES SHALL HAVE A SLOPE NOT STEEPER THAN 1:48 AND SHALL COMPLY WITH SECTION 302.  
 404.2.5 THRESHOLDS AT DOORWAYS. THRESHOLDS, IF PROVIDED, AT DOORWAYS SHALL BE 2" HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS MUST COMPLY WITH SECTIONS 302 AND 303.  
 404.2.6 TWO DOORS IN SERIES. DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES SHALL BE 48" MINIMUM PLUS THE WIDTH OF ANY DOOR SWINGING INTO THE SPACE.  
 404.2.7 DOOR HARDSHIPS. HANDLES, PULLS, LATCHES AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR OR GROUND, WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.  
 EXCEPTION: LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED IN ANY LOCATION.

404 Doors and Doorways H

302 Floor or Ground Surfaces A

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED BY E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
 PALMER ENGINEERING:  
 3585 Habersham at Northlake,  
 Building N  
 Tucker, Georgia 30084  
 (770) 908-9908  
 WESTSIDE ENGINEERING:  
 5625 Interstate N. Parkway  
 Suite 200  
 Atlanta, GA 30328

TOP CAPITAL CAR WASH  
 765 DACULA ROAD  
 DACULA, GA

Seal:  
  
 08.01.22

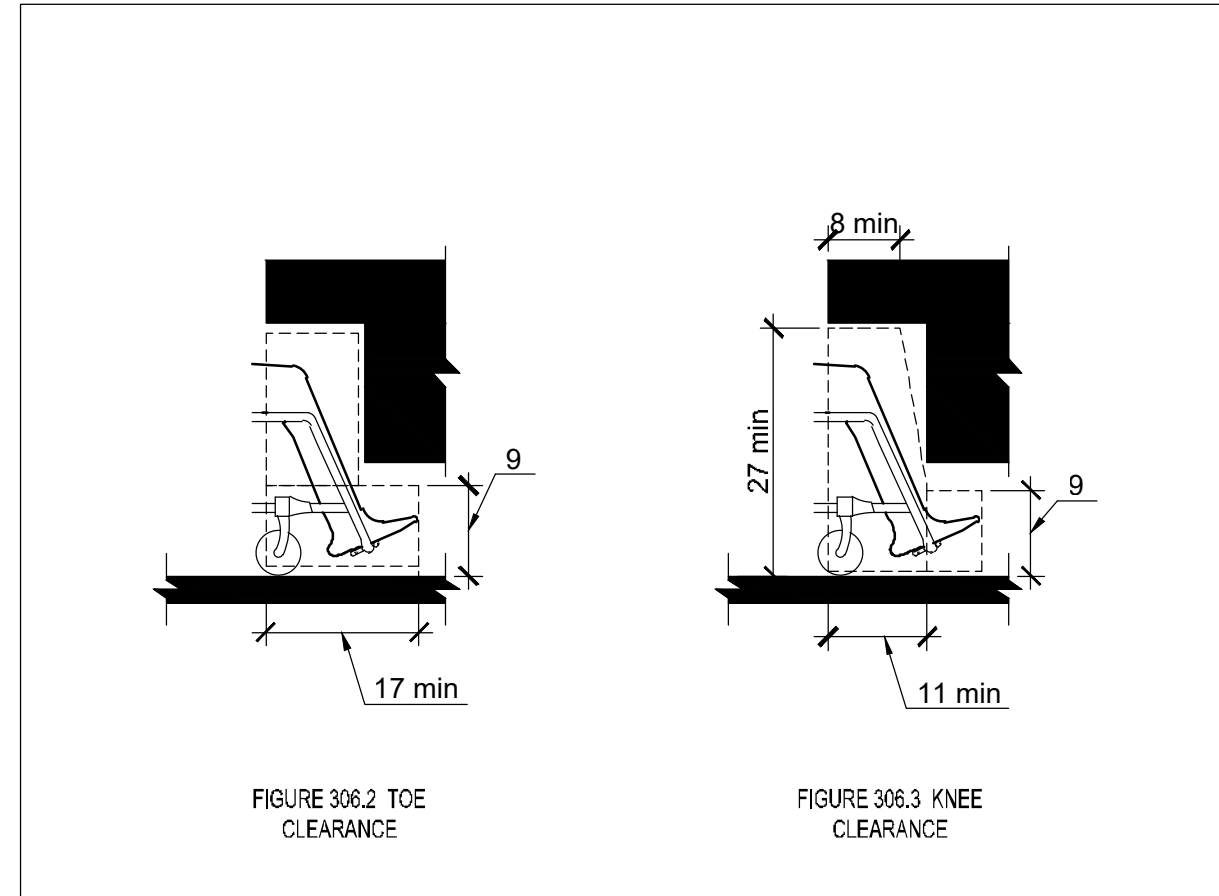
No.	Date	Issue Notes

297 PRINCE AVE, SUITE 288  
 ATHENS, GEORGIA  
 © 2008, 850.1330

ACCESSIBILITY  
 DETAILS &  
 REQUIREMENTS

Date: 8.1.2022 Project Number: 2021-77  
 CDD File Name: 2021-77

A-0.2



306.1 GENERAL. WHERE SPACE BENEATH AN ELEMENT IS INCLUDED AS PART OF CLEAR FLOOR OR GROUND SPACE AT AN ELEMENT, CLEARANCE AT AN ELEMENT, OR A WHEELCHAIR TURNING SPACE, THE SPACE SHALL COMPLY WITH SECTION 306. ADDITIONAL SPACE BEYOND KNEE AND TOE CLEARANCE SHALL BE PERMITTED BENEATH ELEMENTS.

306.2 TOE CLEARANCE.

306.2.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN THE FLOOR OR GROUND AND 9 INCHES (230 MM) ABOVE THE FLOOR OR GROUND SHALL BE TOE CLEARANCE AND SHALL COMPLY WITH SECTION 306.2.

306.2.2 MAXIMUM DEPTH. TOE CLEARANCE SHALL BE PERMITTED TO EXTEND 25 INCHES (635 MM) MAXIMUM UNDER AN ELEMENT.

306.2.3 MINIMUM DEPTH. WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR OR GROUND SPACE, THE TOE CLEARANCE SHALL EXTEND 17 INCHES (430 MM) MINIMUM BENEATH THE ELEMENT.

306.2.4 ADDITIONAL CLEARANCE. SPACE EXTENDING GREATER THAN 8 INCHES (150 MM) BEYOND THE AVAILABLE KNEE CLEARANCE AT 9 INCHES (230 MM) ABOVE THE FLOOR OR GROUND SHALL NOT BE INCLUDED IN TOE CLEARANCE.

306.2.5 WIDTH. TOE CLEARANCE SHALL BE 30 INCHES (762 MM) WIDE MINIMUM.

306.3 KNEE CLEARANCE.

306.3.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN 9 INCHES (230 MM) AND 27 INCHES (686 MM) ABOVE THE FLOOR OR GROUND SHALL BE KNEE CLEARANCE AND SHALL COMPLY WITH SECTION 306.3.

306.3.2 MAXIMUM DEPTH. KNEE CLEARANCE SHALL BE PERMITTED TO EXTEND 25 INCHES (635 MM) MAXIMUM UNDER AN ELEMENT AT 9 INCHES (230 MM) ABOVE THE FLOOR OR GROUND.

306.3.3 MINIMUM DEPTH. WHERE KNEE CLEARANCE IS REQUIRED BENEATH AN ELEMENT AS PART OF A CLEAR FLOOR OR GROUND SPACE, THE KNEE CLEARANCE SHALL BE 11 INCHES (280 MM) DEEP MINIMUM AT 9 INCHES (230 MM) ABOVE THE FLOOR OR GROUND, AND 8 INCHES (205 MM) DEEP MINIMUM AT 27 INCHES (686 MM) ABOVE THE FLOOR OR GROUND.

306.3.4 CLEARANCE REDUCTION. BETWEEN 9 INCHES (230 MM) AND 27 INCHES (686 MM) ABOVE THE FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO BE REDUCED AT A RATE OF 1 INCH (25 MM) FOR EACH 8 INCHES (150 MM) IN HEIGHT.

306.3.5 WIDTH. KNEE CLEARANCE SHALL BE 30 INCHES (762 MM) WIDE MINIMUM.

804.2 CLEARANCE. CLEARANCE COMPLYING WITH SECTIONS 804.2.1 AND 804.2.2 SHALL BE PROVIDED.

804.2.1 GALLEY AREAS. CLEARANCE BETWEEN ALL OPPOSING BASE CABINETS, COUNTER TOPS, APPLIANCES, OR WALLS WITHIN KITCHEN WORK AREAS SHALL BE 40 INCHES (1016 MM) MINIMUM.

804.2.2 U-SHAPED AREAS. IN KITCHENS WITH COUNTERS, APPLIANCES, OR CABINETS ON THREE CONTIGUOUS SIDES, CLEARANCE BETWEEN ALL OPPOSING BASE CABINETS, COUNTERTOPS, APPLIANCES, OR WALLS WITHIN KITCHEN WORK AREAS SHALL BE 60 INCHES (1525 MM) MINIMUM.

804.3 WHEELCHAIR TURNING SPACE. A WHEELCHAIR TURNING SPACE WITH SECTION 304 SHALL BE PROVIDED WITHIN THE ROOM. THE WHEELCHAIR TURNING SPACE SHALL BE ADJACENT TO OR OVERLAP CLEAR FLOOR OR GROUND AREAS REQUIRED BY SECTION 804.

804.4 WORK SURFACE. THE WORK SURFACE SHALL COMPLY WITH SECTION 902.

804.5 SINK. THE SINK AND SURROUNDING COUNTER SHALL COMPLY WITH SECTION 908.

804.6 KITCHEN STORAGE. KITCHEN STORAGE SHALL COMPLY WITH SECTION 905.

804.7 APPLIANCES. WHERE PROVIDED, KITCHEN APPLIANCES SHALL COMPLY WITH SECTIONS 804.7.1 THROUGH 804.7.6.

804.7.1 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 306 SHALL BE PROVIDED AT EACH KITCHEN APPLIANCE. CLEAR FLOOR OR GROUND SPACES ARE PERMITTED TO OVERLAP.

804.7.2 OPERATING CONTROLS. ALL APPLIANCE CONTROLS SHALL COMPLY WITH SECTION 309.

804.7.3 DISHWASHER. CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED ADJACENT TO THE DISHWASHER DOOR. THE DISHWASHER DOOR IN THE OPEN POSITION SHALL NOT OBSTRUCT THE CLEAR FLOOR OR GROUND SPACE FOR THE DISHWASHER OR THE SINK.

804.7.4 RANGE OR COOKTOP. WHERE A FORWARD APPROACH CLEAR FLOOR OR GROUND SPACE IS PROVIDED, THE CLEAR FLOOR OR GROUND SPACE SHALL PROVIDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306. WHERE KNEE AND TOE SPACE IS PROVIDED, THE UNDERSIDE OF THE RANGE OR COOKTOP SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PREVENT BURNS, ABRASIONS, OR ELECTRICAL SHOCK. THE LOCATION OF CONTROLS SHALL NOT REQUIRE REACHING ACROSS BURNERS.

804.7.5 OVEN. FOR SIDE-OPENING OVENS, THE DOOR LATCH SIDE SHALL BE NEXT TO A COUNTERTOP. OVENS SHALL HAVE CONTROLS ON FRONT PANELS, ON EITHER SIDE OF THE DOOR.

804.7.6 REFRIGERATOR/FREEZER. COMBINATION REFRIGERATORS AND FREEZERS SHALL HAVE AT LEAST 50 PERCENT OF THE FREEZER SPACE 54 INCHES (1370 MM) MAXIMUM ABOVE THE FLOOR OR GROUND. THE CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR A PARALLEL APPROACH TO THE SPACE DEDICATED TO A REFRIGERATOR/FREEZER WITH THE CENTERLINE OF THE CLEAR FLOOR OR GROUND SPACE OFFSET 24 INCHES (610 MM) MAXIMUM FROM THE CENTERLINE OF THE DEDICATED SPACE.

803.2 WHEELCHAIR TURNING SPACE. A WHEELCHAIR TURNING SPACE COMPLYING WITH SECTION 304 SHALL BE PROVIDED WITHIN THE ROOM.

803.3 DOORS. DOORS SHALL NOT SWING INTO ANY PART OF THE TURNING SPACE.

803.4 BENCHES. A BENCH COMPLYING WITH SECTION 903 SHALL BE PROVIDED WITHIN THE ROOM.

803.5 COAT HOOKS AND SHELVES. ACCESSIBLE COAT HOOKS PROVIDED WITHIN DRESSING AND FITTING ROOMS SHALL ACCOMMODATE A FORWARD REACH OR SIDE REACH COMPLYING WITH SECTION 308. WHERE PROVIDED, A FOLDDOWN SHELF SHALL BE 40 INCHES (1016 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE FLOOR OR GROUND.

802.1 GENERAL. WHEELCHAIR SPACES IN AUDITORIUM AND ASSEMBLY AREAS WITH FIXED SEATING SHALL COMPLY WITH SECTION 902.

802.2 SURFACES. THE FLOOR OR GROUND SURFACE OF WHEELCHAIR SPACES SHALL HAVE A SLOPE NOT STEEPER THAN 1:48 AND SHALL COMPLY WITH SECTION 302.

802.3 WIDTH. A SINGLE WHEELCHAIR SPACE SHALL BE 36 INCHES (915 MM) WIDE MINIMUM. WHERE MULTIPLE ADJACENT WHEELCHAIR SPACES ARE PROVIDED, EACH WHEELCHAIR SPACE SHALL BE 33 INCHES (840 MM) WIDE MINIMUM.

802.4 DEPTH. WHERE A WHEELCHAIR SPACE CAN BE ENTERED FROM THE FRONT OR REAR, THE WHEELCHAIR SPACE SHALL BE 48 INCHES (1220 MM) DEEP MINIMUM. WHERE A WHEELCHAIR SPACE CAN ONLY BE ENTERED FROM THE SIDE, THE WHEELCHAIR SPACE SHALL BE 60 INCHES (1525 MM) DEEP MINIMUM.

802.5 APPROACH. ONE SIDE OF THE WHEELCHAIR SPACE SHALL ADJOIN AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER WHEELCHAIR SPACE. ACCESS TO ANY WHEELCHAIR SPACE SHALL NOT BE THROUGH MORE THAN ONE ADJOINING WHEELCHAIR SPACE.

802.6 INTEGRAL PART OF SEATING. WHEELCHAIR LOCATIONS SHALL BE AN INTEGRAL PART OF ANY FIXED SEATING.

802.7 COMPANION SEAT. AT LEAST ONE SEAT FOR A COMPANION SHALL BE PROVIDED BESIDE EACH WHEELCHAIR SPACE.

802.8 LINES OF SIGHT. WHEELCHAIR SPACES SHALL PROVIDE LINES OF SIGHT COMPARABLE TO THOSE OF ALL VIEWING AREAS.

306 Knee & Toe Clearance

905 Storage Facilities

905.1 GENERAL. ACCESSIBLE STORAGE FACILITIES SHALL COMPLY WITH SECTION 905.

905.2 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 306 SHALL BE PROVIDED.

905.3 HEIGHT. ACCESSIBLE STORAGE AREAS SHALL COMPLY WITH AT LEAST ONE OF THE REACH RANGES SPECIFIED IN SECTION 306.

905.4 OPERABLE PARTS. OPERABLE PARTS OF STORAGE FACILITIES SHALL COMPLY WITH SECTION 309.4.

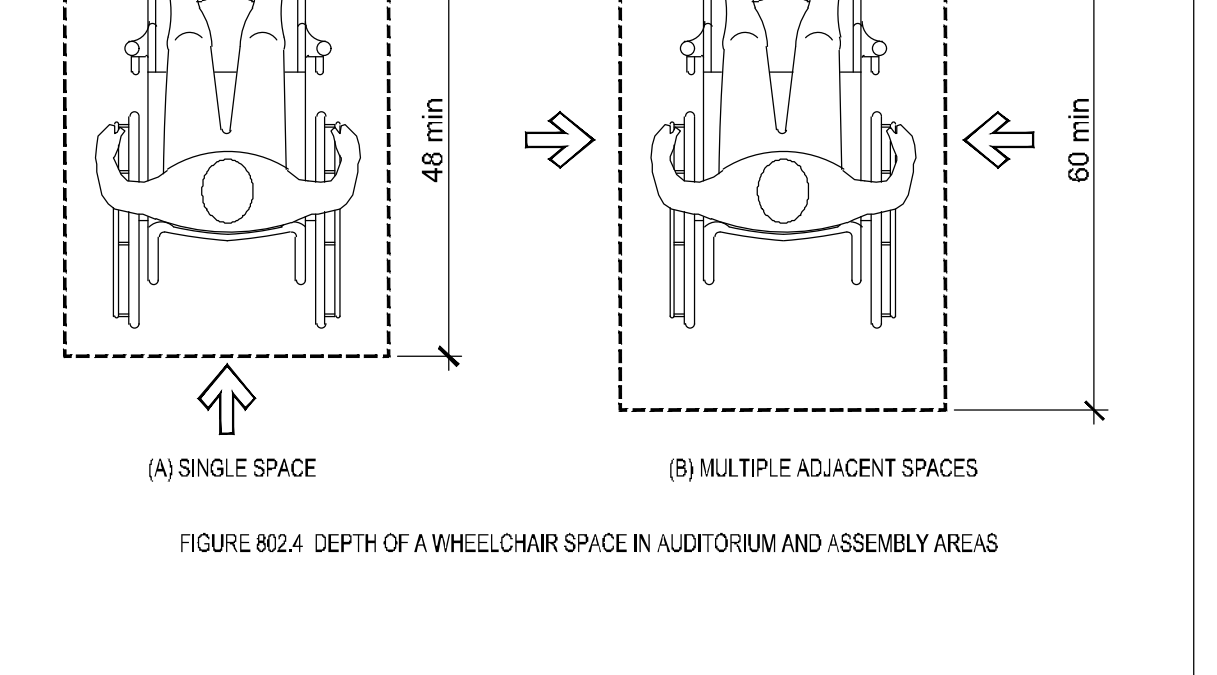
803 Dressing, Locker and Fitting Rooms

803.2 WHEELCHAIR TURNING SPACE. A WHEELCHAIR TURNING SPACE COMPLYING WITH SECTION 304 SHALL BE PROVIDED WITHIN THE ROOM.

803.3 DOORS. DOORS SHALL NOT SWING INTO ANY PART OF THE TURNING SPACE.

803.4 BENCHES. A BENCH COMPLYING WITH SECTION 903 SHALL BE PROVIDED WITHIN THE ROOM.

803.5 COAT HOOKS AND SHELVES. ACCESSIBLE COAT HOOKS PROVIDED WITHIN DRESSING AND FITTING ROOMS SHALL ACCOMMODATE A FORWARD REACH OR SIDE REACH COMPLYING WITH SECTION 308. WHERE PROVIDED, A FOLDDOWN SHELF SHALL BE 40 INCHES (1016 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE FLOOR OR GROUND.



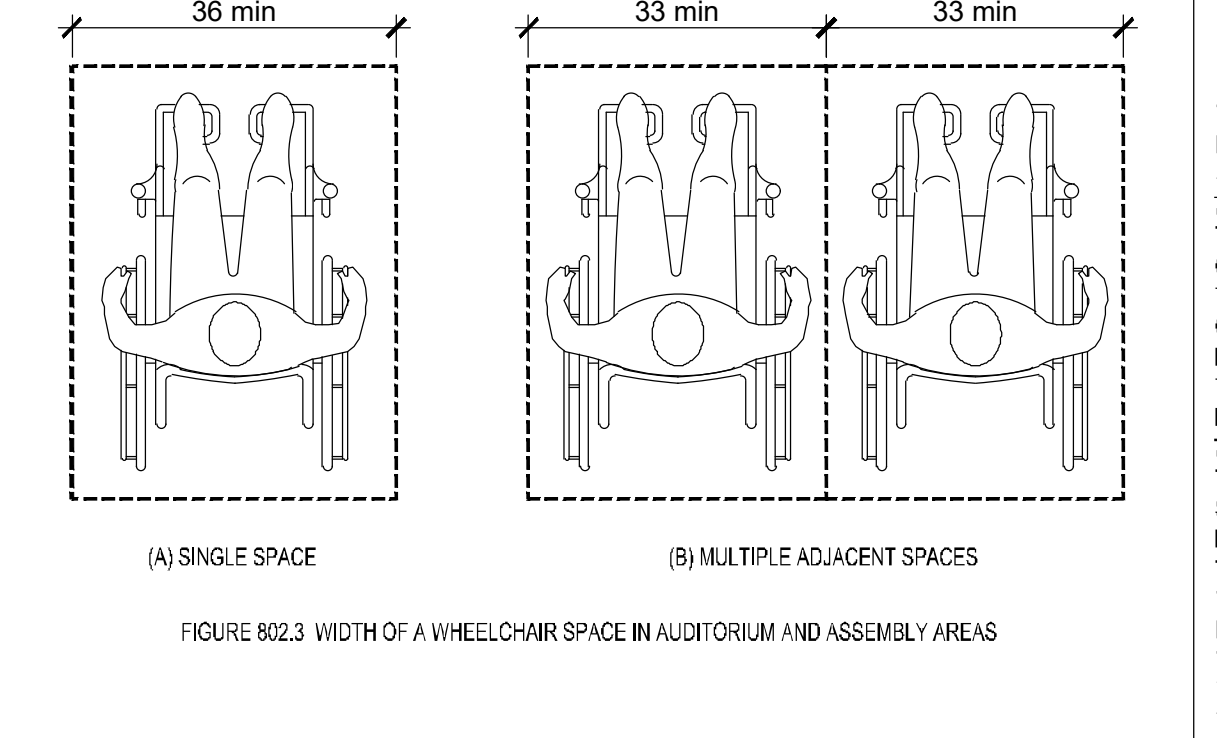
904 Checkout and Service Counters

904.1 GENERAL. ACCESSIBLE CHECKOUT AND SERVICE COUNTERS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF SECTION 904.

904.2 CHECKOUT COUNTERS. CHECKOUT COUNTER SURFACES SHALL BE 38 INCHES (965 MM) MAXIMUM ABOVE THE FLOOR OR GROUND, THE TOP OF THE COUNTER EDGE PROTECTION SHALL BE 2 INCHES (51 MM) MAXIMUM ABOVE THE COUNTER SURFACE.

904.3 SERVICE COUNTERS. COUNTERS FOR SALES OR DISTRIBUTION OF GOODS AND SERVICES TO THE PUBLIC SHALL HAVE A PORTION OF THE COUNTER 36 INCHES (915 MM) LONG MINIMUM BY 36 INCHES (915 MM) HIGH MAXIMUM ABOVE THE FLOOR OR GROUND.

904.4 TRAY SLIDES. THE TOPS OF ACCESSIBLE PORTIONS OF TRAY SLIDES SHALL BE 28 INCHES (710 MM) MINIMUM AND 34 INCHES (863 MM) MAXIMUM ABOVE THE FLOOR OR GROUND.



903 Benches

903.1 GENERAL. BENCHES REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH SECTION 903.

903.2 CLEAR FLOOR OR GROUND SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 306 SHALL BE PROVIDED AND SHALL BE POSITIONED FOR PARALLEL APPROACH TO AN END OF THE BENCH SEAT.

903.3 SIZE. BENCH SEATS SHALL BE 20 INCHES (510 MM) MINIMUM AND 24 INCHES (610 MM) WIDE MAXIMUM BY 42 INCHES (1065 MM) MINIMUM LONG FIXED TO A WALL ALONG THE LONGER DIMENSION.

903.4 HEIGHT. THE BENCH SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (488 MM) MAXIMUM ABOVE THE FLOOR OR GROUND.

903.5 STRUCTURAL STRENGTH. ALLOWABLE STRESSES IN BENDING, SHEAR, AND TENSION SHALL NOT BE EXCEEDED FOR MATERIALS USED WHERE A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (112 N) IS APPLIED AT ANY POINT ON THE SEAT, FASTENER MOUNTING DEVICE, OR SUPPORTING STRUCTURE.

903.6 WET LOCATIONS. WHERE PROVIDED IN WET LOCATIONS THE SURFACE OF THE BENCH SHALL BE SLIP RESISTANT AND WATER SHALL NOT ACCUMULATE ON THE SURFACE.

902 Seating at Tables, Counters & Work Surfaces

902.1 GENERAL. ACCESSIBLE SEATING AT FIXED TABLES, COUNTERS AND WORK SURFACES SHALL COMPLY WITH SECTION 902.

902.2 CLEAR FLOOR OR GROUND SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 306 SHALL BE PROVIDED. KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 SHALL BE PROVIDED.

902.3 HEIGHT. THE TOPS OF TABLES, COUNTERS, AND WORK SURFACES SHALL BE 28 INCHES (710 MM) MINIMUM AND 34 INCHES (865 MM) MAXIMUM ABOVE THE FLOOR OR GROUND.

902.4 FOOD AND DRINK COUNTERS. ACCESSIBLE FOOD AND DRINK COUNTERS SHALL BE 60 INCHES (1525 MM) LONG MINIMUM.

802 Auditorium & Assembly Areas

802.1 GENERAL. WHEELCHAIR SPACES IN AUDITORIUM AND ASSEMBLY AREAS WITH FIXED SEATING SHALL COMPLY WITH SECTION 902.

802.2 SURFACES. THE FLOOR OR GROUND SURFACE OF WHEELCHAIR SPACES SHALL HAVE A SLOPE NOT STEEPER THAN 1:48 AND SHALL COMPLY WITH SECTION 302.

802.3 WIDTH. A SINGLE WHEELCHAIR SPACE SHALL BE 36 INCHES (915 MM) WIDE MINIMUM. WHERE MULTIPLE ADJACENT WHEELCHAIR SPACES ARE PROVIDED, EACH WHEELCHAIR SPACE SHALL BE 33 INCHES (840 MM) WIDE MINIMUM.

802.4 DEPTH. WHERE A WHEELCHAIR SPACE CAN BE ENTERED FROM THE FRONT OR REAR, THE WHEELCHAIR SPACE SHALL BE 48 INCHES (1220 MM) DEEP MINIMUM. WHERE A WHEELCHAIR SPACE CAN ONLY BE ENTERED FROM THE SIDE, THE WHEELCHAIR SPACE SHALL BE 60 INCHES (1525 MM) DEEP MINIMUM.

802.5 APPROACH. ONE SIDE OF THE WHEELCHAIR SPACE SHALL ADJOIN AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER WHEELCHAIR SPACE. ACCESS TO ANY WHEELCHAIR SPACE SHALL NOT BE THROUGH MORE THAN ONE ADJOINING WHEELCHAIR SPACE.

802.6 INTEGRAL PART OF SEATING. WHEELCHAIR LOCATIONS SHALL BE AN INTEGRAL PART OF ANY FIXED SEATING.

802.7 COMPANION SEAT. AT LEAST ONE SEAT FOR A COMPANION SHALL BE PROVIDED BESIDE EACH WHEELCHAIR SPACE.

802.8 LINES OF SIGHT. WHEELCHAIR SPACES SHALL PROVIDE LINES OF SIGHT COMPARABLE TO THOSE OF ALL VIEWING AREAS.

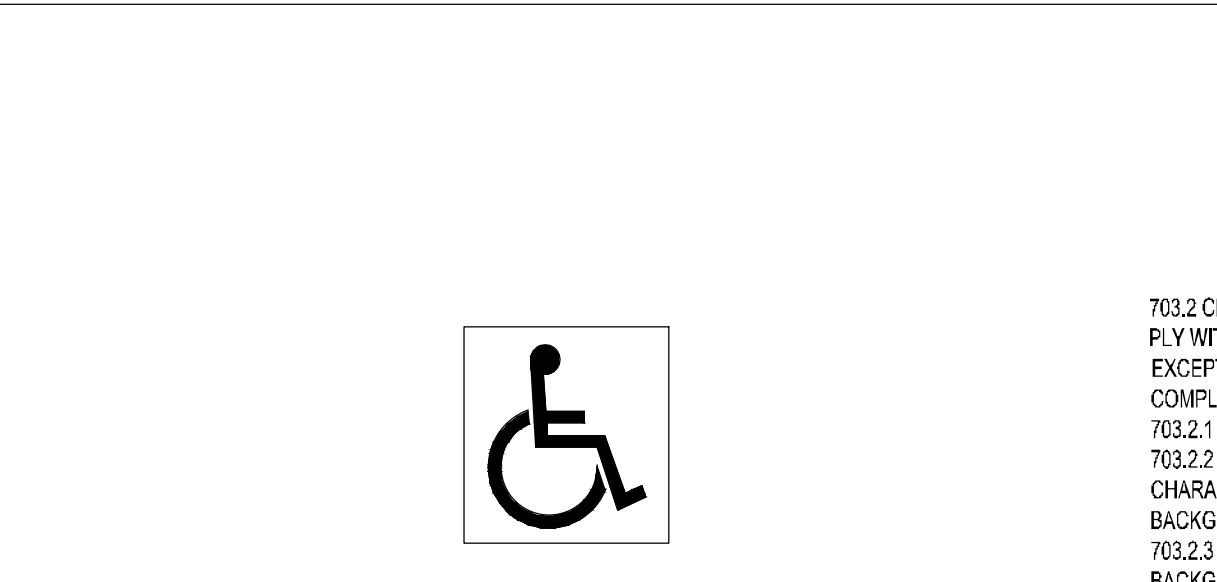


FIGURE 703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY

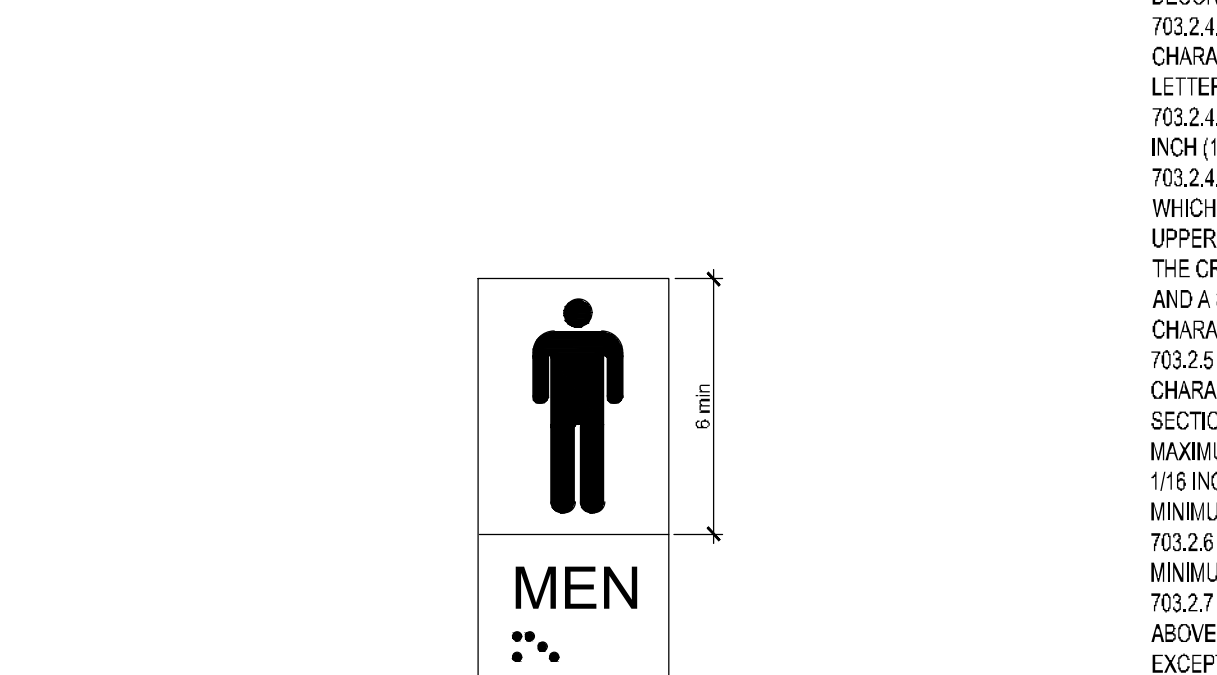


FIGURE 703.6.1 PICTOGRAM FIELD

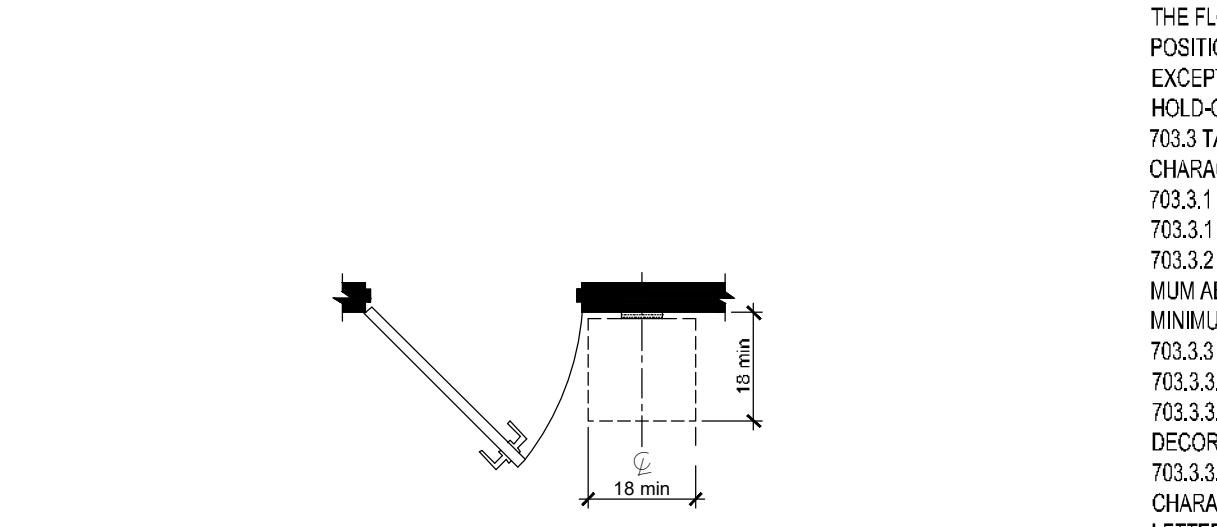
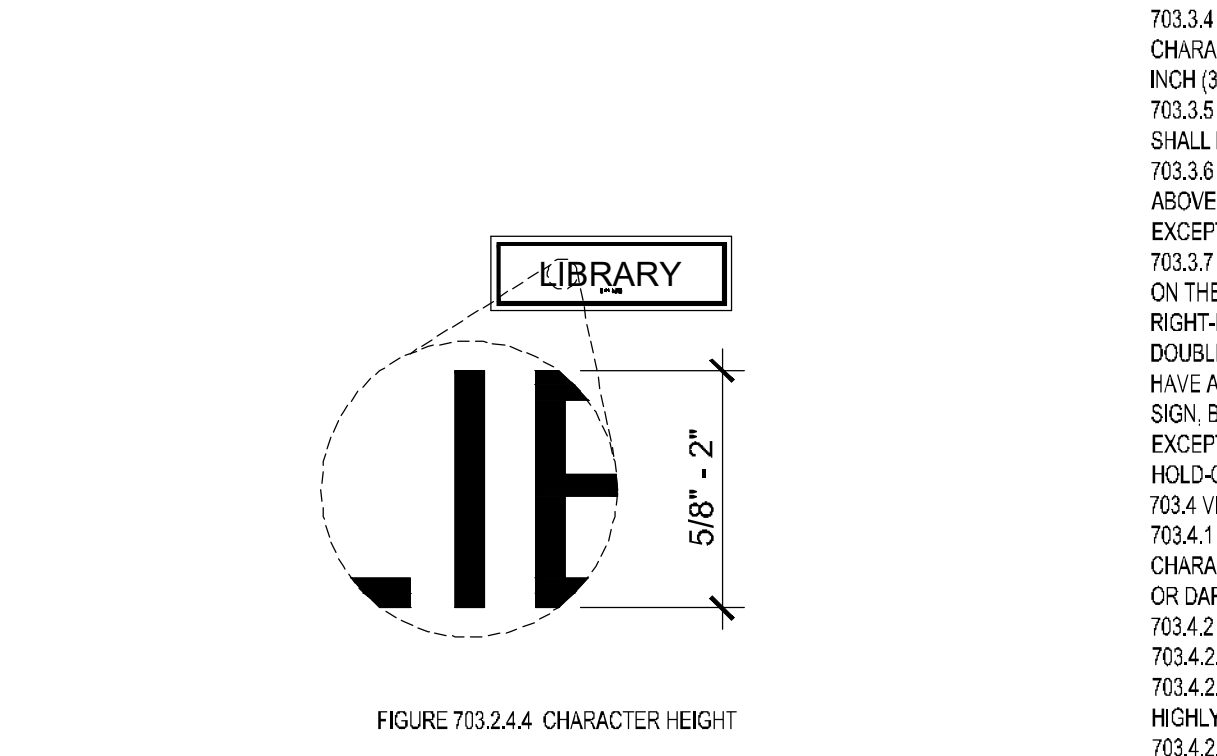


FIGURE 703.2.8 MOUNTING LOCATION AT DOORS



703.5.4 BRAILLE STANDARD. BRAILLE SHALL COMPLY WITH LITERARY BRAILLE.

EXCEPTION: THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, OR ACRONYMS.

703.6 PICTOGRAMS. PICTOGRAMS SHALL COMPLY WITH SECTIONS 703.6.1 THROUGH 703.6.3.

703.6.1 PICTOGRAM FIELD. PICTOGRAMS SHALL HAVE A FIELD WITH A HEIGHT OF 6 INCHES (150 MM) MINIMUM. CHARACTERS OR BRAILLE SHALL NOT BE IN THE PICTOGRAM FIELD.

703.6.2 FINISH AND CONTRAST. PICTOGRAMS AND THEIR FIELDS SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELDS. WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD.

703.6.3 TEXT DESCRIPTORS. WHERE TEXT DESCRIPTORS FOR PICTOGRAMS ARE REQUIRED, THEY SHALL BE DIRECTLY BELOW OR ADJACENT TO THE PICTOGRAM AND SHALL COMPLY WITH SECTION 703.2.

703.7 SYMBOLS OF ACCESSIBILITY. SYMBOLS OF ACCESSIBILITY SHALL COMPLY WITH SECTIONS 703.7.1 THROUGH 703.7.2.

703.7.1 FINISH AND CONTRAST. SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUNDS SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUNDS, WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.

703.7.2 INTERNATIONAL SYMBOL OF ACCESSIBILITY. WHERE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IS REQUIRED, IT SHALL BE PROPORTIONED COMPLYING WITH FIGURE 703.7.2.1.

703.7.2.2 INTERNATIONAL SYMBOL OF TELEPHONE. WHERE THE INTERNATIONAL SYMBOL OF TELEPHONE IS REQUIRED, IT SHALL COMPLY WITH FIGURE 703.7.2.2.

703.7.2.3 VOLUME-CONTROLLED TELEPHONES. WHERE TELEPHONES WITH VOLUME CONTROLS ARE REQUIRED TO BE IDENTIFIED, THE IDENTIFICATION SYMBOL SHALL BE A TELEPHONE HANSET WITH RADIATING SOUND WAVES, SUCH AS SHOWN IN FIGURE 703.7.2.3.

703.7.2.4 ASSISTIVE LISTENING SYSTEMS. WHERE ASSISTIVE LISTENING SYSTEMS ARE REQUIRED TO BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS, IT SHALL COMPLY WITH FIGURE 703.7.2.

703.2 CHARACTERS THAT ARE BOTH TACTILE AND VISUAL. CHARACTERS REQUIRED TO BE TACTILE SHALL COMPLY WITH SECTIONS 703.2.1 THROUGH 703.2.8.

EXCEPTION: TACTILE CHARACTERS COMPLYING WITH SECTION 703.3, WHERE SEPARATE VISUAL CHARACTERS COMPLYING WITH SECTION 703.4 PROVIDE THE SAME INFORMATION.

703.2.1 BRAILLE. TACTILE CHARACTERS SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH SECTION 703.5.

703.2.2 FINISH AND CONTRAST. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND, OR DARK CHARACTERS ON A LIGHT BACKGROUND.

703.2.3 TACTILE CHARACTER DEPTH. TACTILE CHARACTERS SHALL BE RAISED 1/32 INCH (0.8 MM) MINIMUM ABOVE THEIR BACKGROUND, RAISED BORDERS AND ELEMENTS THAT ARE NOT REQUIRED SHALL BE 3/8 INCH (9.5 MM) MINIMUM FROM TACTILE CHARACTERS.

703.2.4 CHARACTER FORMS. FONTS SHALL HAVE CHARACTERS COMPLYING WITH SECTIONS 703.2.4.1 THROUGH 703.2.4.5.

703.2.4.1 CASE. CHARACTERS SHALL BE UPPERCASE.

703.2.4.2 STYLE. CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

703.2.4.3 WIDTH. CHARACTER WIDTH SHALL BE 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER, WITH THE WIDTH BASED ON THE UPPERCASE LETTER "O" AND THE HEIGHT BASED ON THE UPPERCASE LETTER "I".

703.2.4.4 HEIGHT. CHARACTER HEIGHT, MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER, SHALL BE 5/8 INCH (16 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM, BASED ON THE UPPERCASE LETTER "I".

703.2.4.5 STROKE THICKNESS. CHARACTERS WITH RECTANGULAR CROSS SECTIONS SHALL HAVE A STROKE THICKNESS WHICH IS 10 PERCENT MINIMUM AND 15 PERCENT MAXIMUM, OF THE HEIGHT OF THE CHARACTER, BASED ON THE UPPERCASE LETTER "I". CHARACTERS WITH OTHER CROSS SECTIONS SHALL HAVE A STROKE THICKNESS AT THE BASE OF THE CROSS SECTIONS WHICH IS 10 PERCENT MINIMUM, AND 30 PERCENT MAXIMUM, OF THE HEIGHT OF THE CHARACTER, AND A STROKE THICKNESS AT THE TOP OF THE CROSS SECTIONS WHICH IS 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER, BASED ON THE UPPERCASE LETTER "I".

703.2.5 CHARACTER SPACING. SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES, WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 1/8 INCH (3 MM) MINIMUM AND 3/8 INCH (10 MM) MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 1/16 INCH (2 MM) MINIMUM AND 3/8 INCH (10 MM) MAXIMUM AT THE BASE OF THE CROSS SECTIONS, AND 1/8 INCH (3 MM) MINIMUM AND 3/8 INCH (10 MM) MAXIMUM AT THE TOP OF THE CROSS SECTIONS.

703.2.6 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS SHALL BE 135 PERCENT MINIMUM TO 170 PERCENT MAXIMUM OF THE CHARACTER HEIGHT.

703.2.7 MOUNTING HEIGHT. CHARACTERS SHALL BE 48 INCHES (1220 MM) MINIMUM AND 60 INCHES (1525 MM) MAXIMUM ABOVE THE ADJACENT FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE CHARACTERS.

EXCEPTION: ELEVATOR CAR CONTROLS.

703.2.8 MOUNTING LOCATION. WHERE A SIGN CONTAINING TACTILE CHARACTERS IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR ON THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT-HAND DOOR, OR TO THE LEFT OF THE LEFT-HAND DOOR, OR TO THE RIGHT SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF DOUBLE DOORS. SIGNS SHALL BE ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL HAVE AN 18 INCH (455 MM) MINIMUM BY 18 INCH (455 MM) MINIMUM SPACE ON THE FLOOR OR GROUND, CENTERED ON THE SIGN, BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

EXCEPTION: DOOR-MOUNTED SIGNS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

703.3 TACTILE CHARACTERS. WHERE TACTILE CHARACTERS ARE REQUIRED, AND SEPARATE TACTILE AND VISUAL CHARACTERS WITH THE SAME INFORMATION ARE PROVIDED, TACTILE CHARACTERS SHALL COMPLY WITH SECTIONS 703.3.1 THROUGH 703.3.7 AND VISUAL CHARACTERS SHALL COMPLY WITH SECTION 703.4.

703.3.1 BRAILLE. TACTILE CHARACTERS SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH SECTION 703.5.

703.3.2 TACTILE CHARACTER DEPTH. TACTILE CHARACTERS SHALL BE RAISED 1/32 INCH (0.8 MM) MINIMUM ABOVE THEIR BACKGROUND, RAISED BORDERS AND ELEMENTS THAT ARE NOT REQUIRED SHALL BE 3/8 INCH (9.5 MM) MINIMUM FROM TACTILE CHARACTERS.

703.3.3 CHARACTER FORMS. FONTS SHALL HAVE CHARACTERS COMPLYING WITH SECTIONS 703.3.3.1 THROUGH 703.3.3.5.

703.3.3.1 CASE. CHARACTERS SHALL BE UPPERCASE.

703.3.3.2 STYLE. CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

703.3.3.3 WIDTH. CHARACTER WIDTH SHALL BE 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER, WITH THE WIDTH BASED ON THE UPPERCASE LETTER "O" AND THE HEIGHT BASED ON THE UPPERCASE LETTER "I".

703.3.3.4 HEIGHT. CHARACTER HEIGHT, MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER, SHALL BE 5/8 INCH (13 MM) MINIMUM, AND 3/4 INCH (19 MM) MAXIMUM, BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".

703.3.3.5 STROKE THICKNESS. CHARACTERS SHALL HAVE A STROKE THICKNESS WHICH IS 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER, BASED ON THE UPPERCASE LETTER "I".

703.3.4 CHARACTER SPACING. SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 1/8 INCH (3 MM) MINIMUM TO 1/4 INCH (6 MM) MAXIMUM.

703.3.5 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE CHARACTER HEIGHT.

703.3.6 MOUNTING HEIGHT. CHARACTERS SHALL BE 48 INCHES (1220 MM) MINIMUM AND 60 INCHES (1515 MM) MAXIMUM ABOVE THE ADJACENT FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE CHARACTERS.

EXCEPTION: ELEVATOR CAR CONTROLS.

703.3.7 MOUNTING LOCATION. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR ON THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT-HAND DOOR, WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF DOUBLE DOORS. SIGNS SHALL BE ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL HAVE AN 18 INCH (455 MM) MINIMUM BY 18 INCH (455 MM) MINIMUM SPACE ON THE FLOOR OR GROUND, CENTERED ON THE SIGN, BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

EXCEPTION: DOOR-MOUNTED SIGNS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

703.4 VISUAL CHARACTERS. ACCESSIBLE VISUAL CHARACTERS SHALL COMPLY WITH SECTIONS 703.4.1 THROUGH 703.4.5.

703.4.1 FINISH AND CONTRAST. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND, OR DARK CHARACTERS ON A LIGHT BACKGROUND.

703.4.2 CHARACTER FORMS. FONTS SHALL HAVE CHARACTERS COMPLYING WITH SECTIONS 703.4.2.1 THROUGH 703.4.2.5.

703.4.2.1 CASE. CHARACTERS SHALL BE UPPERCASE, LOWERCASE, OR A COMBINATION OF BOTH.

703.4.2.2 STYLE. CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

703.4.2.3 WIDTH. CHARACTER WIDTH SHALL BE 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER, WITH THE WIDTH BASED ON THE UPPERCASE LETTER "O" AND THE HEIGHT BASED ON THE UPPERCASE LETTER "I".

703.4.2.4 HEIGHT. MINIMUM CHARACTER HEIGHT, MEASURED FROM THE BASELINE OF THE CHARACTER, SHALL COMPLY WITH TABLE 703.4.2.4. BASED ON THE HEIGHT OF THE CHARACTERS ABOVE THE FLOOR OR GROUND OF THE VIEWING LOCATION AND THE MINIMUM VIEWING DISTANCE. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I" MINIMUM VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE WHERE AN OBSTRUCTION PREVENTS FURTHER APPROACH TOWARD THE SIGN.

703.4.2.5 STROKE THICKNESS. CHARACTERS SHALL HAVE A STROKE THICKNESS WHICH IS 10 PERCENT MINIMUM, AND 30 PERCENT MAXIMUM, OF THE HEIGHT OF THE CHARACTER, BASED ON THE UPPERCASE LETTER "I".

703.4.3 CHARACTER SPACING. SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10 PERCENT MINIMUM AND 35 PERCENT MAXIMUM OF CHARACTER HEIGHT.

703.4.4 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM TO 170 PERCENT MAXIMUM OF CHARACTER HEIGHT.

703.4.5 MOUNTING HEIGHT. VISUAL CHARACTERS SHALL BE 40 INCHES (1016 MM) MINIMUM ABOVE THE FLOOR OR GROUND OF THE VIEWING POSITION. MOUNTING HEIGHTS SHALL COMPLY WITH TABLE 703.4.2.4, BASED ON THE SIZE OF THE CHARACTERS ON THE SIGN.

703.5 BRAILLE. TACTILE CHARACTERS SHALL BE ACCOMPANIED BY GRADE II BRAILLE COMPLYING WITH SECTIONS 703.5.1 THROUGH 703.5.4. TABLE 703.5.4. BRAILLE DOTS SHALL HAVE A DOME OR ROUNDED SHAPE.

703.5.1 LOCATION. BRAILLE SHALL BE BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTILINE, BRAILLE SHALL BE PLACED BELOW ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH (9.5 MM) MINIMUM FROM ANY OTHER TACTILE CHARACTERS.

EXCEPTION: BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 3/16 INCH (4.8 MM) MINIMUM EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

703.5.2 RAISED ELEMENTS AND BORDERS. RAISED BORDERS AND ELEMENTS THAT ARE NOT REQUIRED SHALL BE 3/8 INCH (10 MM) MINIMUM FROM TACTILE CHARACTERS.

703.5.3 HEIGHT. BRAILLE SHALL BE 40 INCHES (1016 MM) MINIMUM, AND 60 INCHES (1525 MM) MAXIMUM, ABOVE THE FLOOR OR GROUND, MEASURED FROM THE BASELINE OF THE BRAILLE CELLS.

EXCEPTION: ELEVATOR CAR CONTROLS.

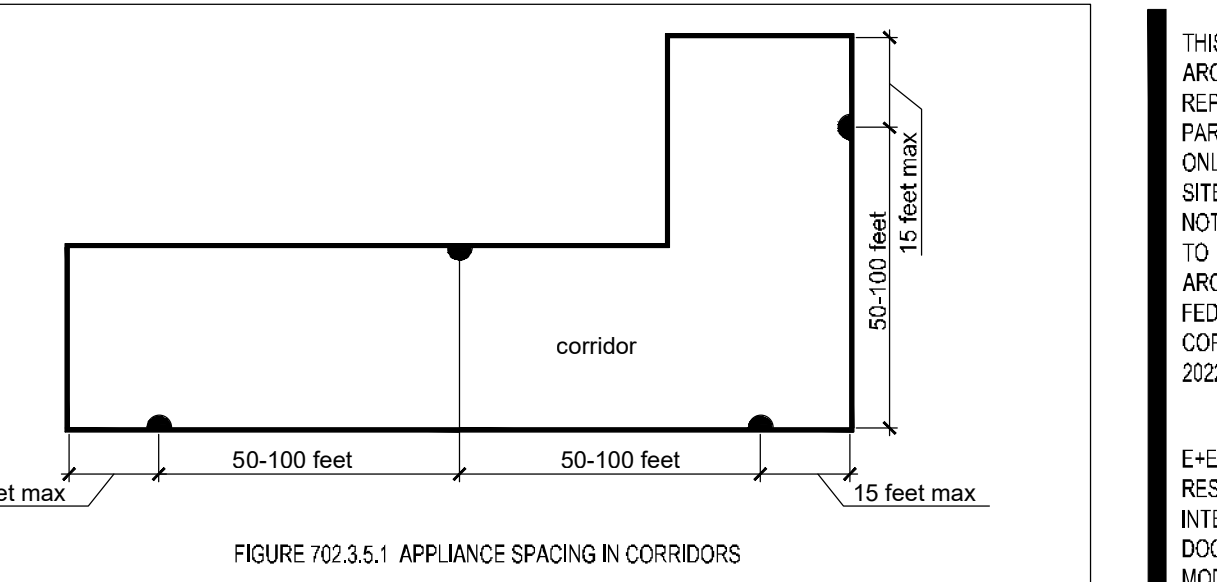


FIGURE 702.3.5.1 APPLIANCE SPACING IN CORRIDORS

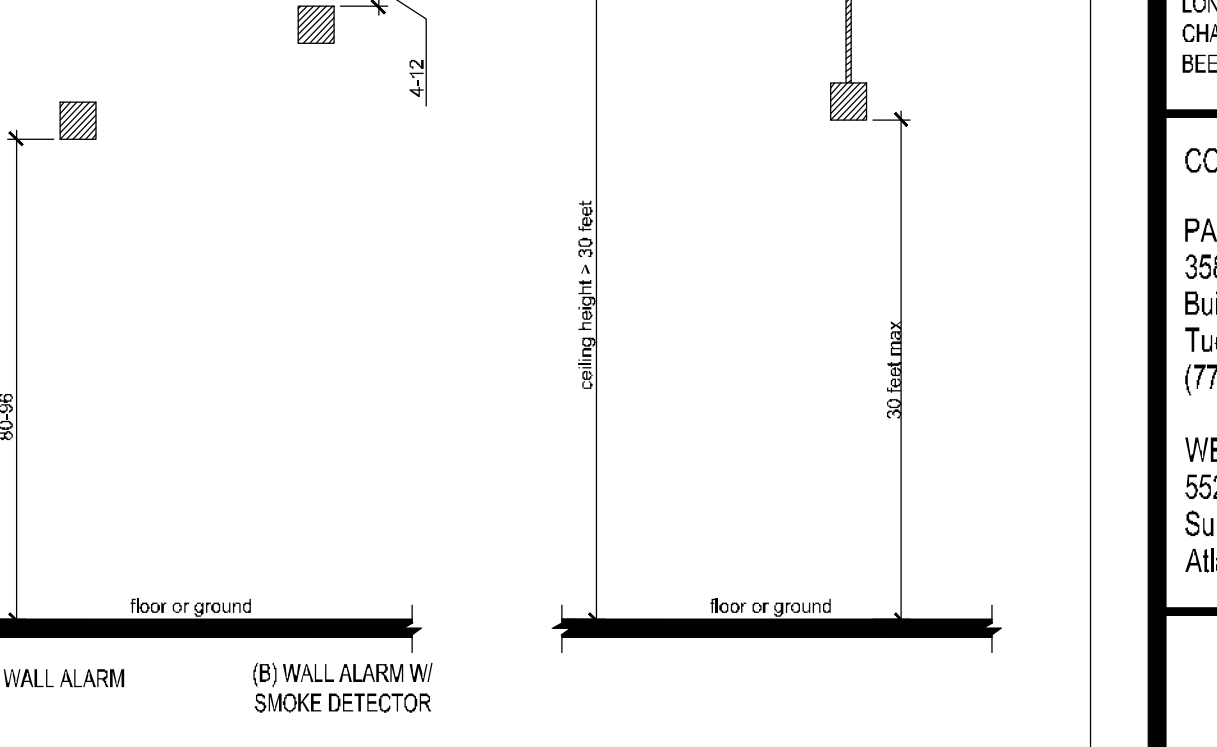


FIGURE 702.3.3.1 LOCATION OF WALL-MOUNTED APPLIANCES

FIGURE 702.3.3.2 LOCATION OF CEILING MOUNTED APPLIANCES

702.1 GENERAL. ACCESSIBLE FIRE ALARM SYSTEMS SHALL HAVE AUDIBLE ALARMS COMPLYING WITH SECTION 702.2, AND VISUAL ALARMS COMPLYING WITH SECTION 702.3.

EXCEPTION: FIRE ALARM SYSTEMS IN MEDICAL CARE FACILITIES SHALL BE PERMITTED TO BE MOUNTED TO SUIT STANDARD HEALTH CARE AREA PRACTICE.

702.2 AUDIBLE ALARMS. AUDIBLE ALARMS SHALL PRODUCE A SOUND THAT EXCEEDS THE AVERAGE AMBIENT SOUND LEVEL IN THE ROOM OR SPACE BY AT LEAST 15 DBA OR EXCEEDS ANY MAXIMUM SOUND LEVEL WITH A DURATION OF 60 SECONDS BY 5 DBA, WHICHEVER IS LOUDER. THE SIGNAL SHALL CONSIST OF A THREE PULSE TEMPORAL PATTERN COMPLYING WITH ANSI S3.41, WHERE EVACUATION OF THE BUILDING IS REQUIRED, SOUND LEVELS FOR ALARM SIGNALS SHALL NOT EXCEED 120 DBA.

702.3 VISUAL ALARMS. VISUAL ALARMS SHALL COMPLY WITH SECTIONS 702.3.1 THROUGH 702.3.6.

702.3.1 LIGHT PULSE CHARACTERISTICS.

702.3.1.1 TYPE. THE LAMP SHALL BE A XENON STROBE TYPE OR EQUIVALENT.

702.3.1.2 COLOR. THE COLOR SHALL BE CLEAR OR NOMINAL WHITE.

702.3.1.3 FLASH RATE. THE FLASH RATE FOR AN INDIVIDUAL APPLIANCE SHALL BE 1 HZ MINIMUM AND 2 HZ MAXIMUM OVER ITS RATED VOLTAGE RANGE.

702.3.1.4 PULSE DURATION. THE MAXIMUM PULSE DURATION SHALL BE TWO-TENTHS OF ONE SECOND WITH A MAXIMUM DUTY CYCLE OF 40 PERCENT. THE PULSE DURATION IS DEFINED AS THE TIME INTERVAL BETWEEN INITIAL AND FINAL POINTS OF 10 PERCENT OF MAXIMUM SIGNAL.

702.3.2 DISPERSION. LIGHT DISPERSION OF WALL-MOUNTED APPLIANCES SHALL COMPLY WITH TABLE 702.3.2(A). LIGHT DISPERSION OF CEILING-MOUNTED APPLIANCES SHALL COMPLY WITH TABLE 702.3.2(B).

702.3.3 LOCATION. APPLIANCES SHALL COMPLY WITH SECTION 702.3.3.1 OR 702.3.3.2.

EXCEPTION: APPLIANCES IN SLEEPING ROOMS SHALL COMPLY WITH SECTION 702.3.3.6.

702.3.3.1 WALL-MOUNTED APPLIANCES. APPLIANCES SHALL BE 80 INCHES (2030 MM) MINIMUM AND 96 INCHES (2440 MM) MAXIMUM ABOVE THE FLOOR OR GROUND, MEASURED TO THE BOTTOM OF THE APPLIANCE.

EXCEPTION: WALL-MOUNTED APPLIANCES WHICH ARE PART OF A SMOKE DETECTOR SHALL BE 4 INCHES (100 MM) MINIMUM AND 12 INCHES (305 MM) MAXIMUM BELOW THE CEILING, MEASURED TO THE TOP OF THE SMOKE DETECTOR.

702.3.4 SPACING AND INTENSITY. SPACING AND MINIMUM EFFECTIVE INTENSITY FOR APPLIANCES SHALL COMPLY WITH SECTIONS 702.3.4.1 THROUGH 702.3.4.3.

EXCEPTIONS:

1. APPLIANCES IN CORRIDORS SHALL COMPLY WITH SECTION 702.3.5.
2. APPLIANCES IN SLEEPING ROOMS SHALL COMPLY WITH SECTION 702.3.6.

702.3.4.1 GENERAL. THE SIGNAL PROVIDED BY THE APPLIANCE OR APPLIANCES SHALL BE VISIBLE EITHER BY DIRECT VIEW OR BY REFLECTION FROM ALL PARTS OF THE COVERED AREA. MULTIPLE APPLIANCES WITHIN AN AREA ARE PERMITTED ONLY WHERE SIZE, SHAPE, BUILDING CONSTRUCTION, OR FURNISHINGS PROHIBIT TOTAL COVERAGE BY A SINGLE APPLIANCE, WHERE MULTIPLE APPLIANCES ARE PROVIDED IN A SINGLE AREA TO PROVIDE TOTAL COVERAGE, THE APPLIANCES SHALL COMPLY WITH ONE OF THE FOLLOWING:

- (1) A MAXIMUM OF 2 APPLIANCES ON OPPOSITE WALLS
- (2) THE APPLIANCES SHALL HAVE SYNCHRONIZED FLASHES
- (3) IN ROOMS 80 FEET BY 80 FEET (24 M BY 24 M) OR GREATER IN SIZE, MORE THAN TWO APPLIANCES SUCH THAT ALL APPLIANCES IN ANY 135-DEGREE FIELD OF VIEW ARE SPACED A MINIMUM OF 65 FEET (17 M) FROM EACH OTHER.

702.3.4.2 WALL-MOUNTED APPLIANCES. SPACING AND MINIMUM EFFECTIVE INTENSITY FOR WALL-MOUNTED APPLIANCES SHALL COMPLY WITH TABLE 702.3.4.2. PROVIDED THE APPLIANCE IS AT THE MIDPOINT OF THE LONGEST SIDE OF THE AREA SERVED, WHERE THE APPLIANCE IS NOT AT THE MIDPOINT, THE MINIMUM EFFECTIVE INTENSITY SHALL BE BASED ON A MAXIMUM AREA OF COVERAGE EQUAL TO THE DISTANCE TO THE OPPOSITE SIDE OF THE AREA SERVED, OR DOUBLE THE DISTANCE TO THE FARTHEST ADJACENT SIDE OF THE AREA SERVED, WHICHEVER IS GREATER.

702.3.4.3 CEILING-MOUNTED APPLIANCES. SPACING AND MINIMUM EFFECTIVE INTENSITY FOR CEILING-MOUNTED APPLIANCES SHALL COMPLY WITH TABLE 702.3.4.3. PROVIDED THE APPLIANCE IS THE CENTER POINT OF THE AREA SERVED, WHERE THE APPLIANCE IS NOT AT THE CENTER POINT, THE MINIMUM EFFECTIVE INTENSITY SHALL BE BASED ON A MAXIMUM AREA OF COVERAGE EQUAL TO TWO TIMES THE DISTANCE FROM THE APPLIANCE TO THE FARTHEST SIDE OF THE AREA SERVED.

702.3.5 CORRIDORS. APPLIANCES IN CORRIDORS THAT ARE 20 FEET (6095 MM) WIDE MAXIMUM SHALL COMPLY WITH SECTION 702.3.5. APPLIANCES IN CORRIDORS EXCEEDING 20 FEET (6095 MM) IN WIDTH SHALL COMPLY WITH SECTION 702.3.4.

702.3.5.1 APPLIANCE SPACING. APPLIANCES SHALL BE 15 FEET (4570 MM) MAXIMUM FROM EACH END OF THE CORRIDOR, AND SHALL BE 50 FEET (15 M) MINIMUM AND 100 FEET (30 M) MAXIMUM APART ALONG THE CORRIDOR. INTERRUPTIONS TO THE CONCENTRATED VIEWING PATH BY DOORS, ELEVATION CHANGES, OR OTHER OBSTRUCTIONS SHALL CONSTITUTE THE END OF THE CORRIDOR FOR THE PURPOSE OF THIS SECTION.

702.3.5.2 MINIMUM EFFECTIVE INTENSITY. APPLIANCES SHALL HAVE A MINIMUM EFFECTIVE INTENSITY OF 15 CANDELA.

702.3.6 ACTIVATION. WHERE SINGLE- OR MULTIPLE-STATION SMOKE DETECTORS ARE PROVIDED IN THE SLEEPING ROOM OR SUITE, A VISUAL ALARM THAT IS ACTIVATED UPON ACTIVATION OF THE SMOKE DETECTORS SHALL BE PROVIDED WITHIN THE ROOM OR SUITE, WHERE A BUILDING FIRE ALARM SYSTEM IS PROVIDED, A VISUAL ALARM THAT IS ACTIVATED UPON ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM SHALL BE PROVIDED WITHIN THE ROOM OR SUITE, THE SIGNALING LINE OR CHANNEL, BETWEEN THE ACTIVATING DEVICE OF THE APPLIANCE AND THE BUILDING FIRE ALARM SYSTEM SHALL BE MONITORED FOR INTEGRITY BY THE BUILDING FIRE ALARM SYSTEM, WHERE THE SAME APPLIANCE IS USED FOR VISUAL NOTIFICATION OF SMOKE DETECTOR AND FIRE ALARM SYSTEM ACTIVATION, ACTIVATION OF THE ROOM OR SUITE SMOKE DETECTORS SHALL NOT ACTIVATE THE BUILDING FIRE ALARM SYSTEM.

702.3.6.2 LOCATION IN SLEEPING ROOMS OR SUITES HAVING A LINEAR DIMENSION EXCEEDING 16 FEET (4875 MM). THE APPLIANCE SHALL BE 16 FEET (4875 MM) MAXIMUM FROM THE HEAD OF THE BED LOCATION, MEASURED HORIZONTALLY. APPLIANCES SHALL BE PERMANENTLY INSTALLED, WHERE A SUITE CONTAINS MORE THAN ONE SLEEPING ROOM, AN APPLIANCE SHALL BE PROVIDED IN EACH SLEEPING ROOM.

702.3.6.3 MINIMUM EFFECTIVE INTENSITY AND MOUNTING HEIGHT. WALL-MOUNTED APPLIANCES 36 INCHES (910 MM) MINIMUM BELOW THE CEILING SHALL HAVE A MINIMUM EFFECTIVE INTENSITY OF 110 CANDELA. CEILING MOUNTED APPLIANCES AND WALL-MOUNTED APPLIANCES LESS THAN 24 INCHES (610 MM) BELOW THE CEILING SHALL HAVE A MINIMUM EFFECTIVE INTENSITY OF 177 CANDELA.

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK, WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770) 908-9908

WESTSIDE ENGINEERING:  
55



THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770) 908-9908

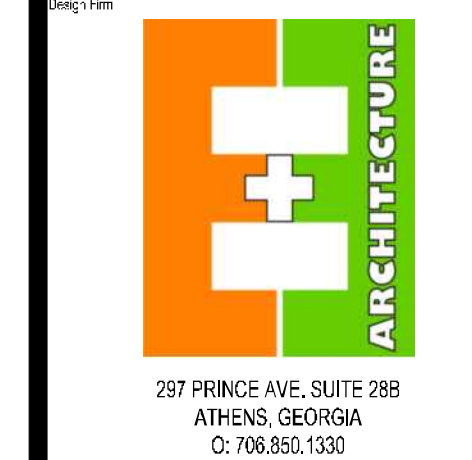
WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328

**TOP CAPITAL CAR WASH**  
765 DACULA ROAD  
DACULA, GA



08.01.22

No.	Date	Issue Notes



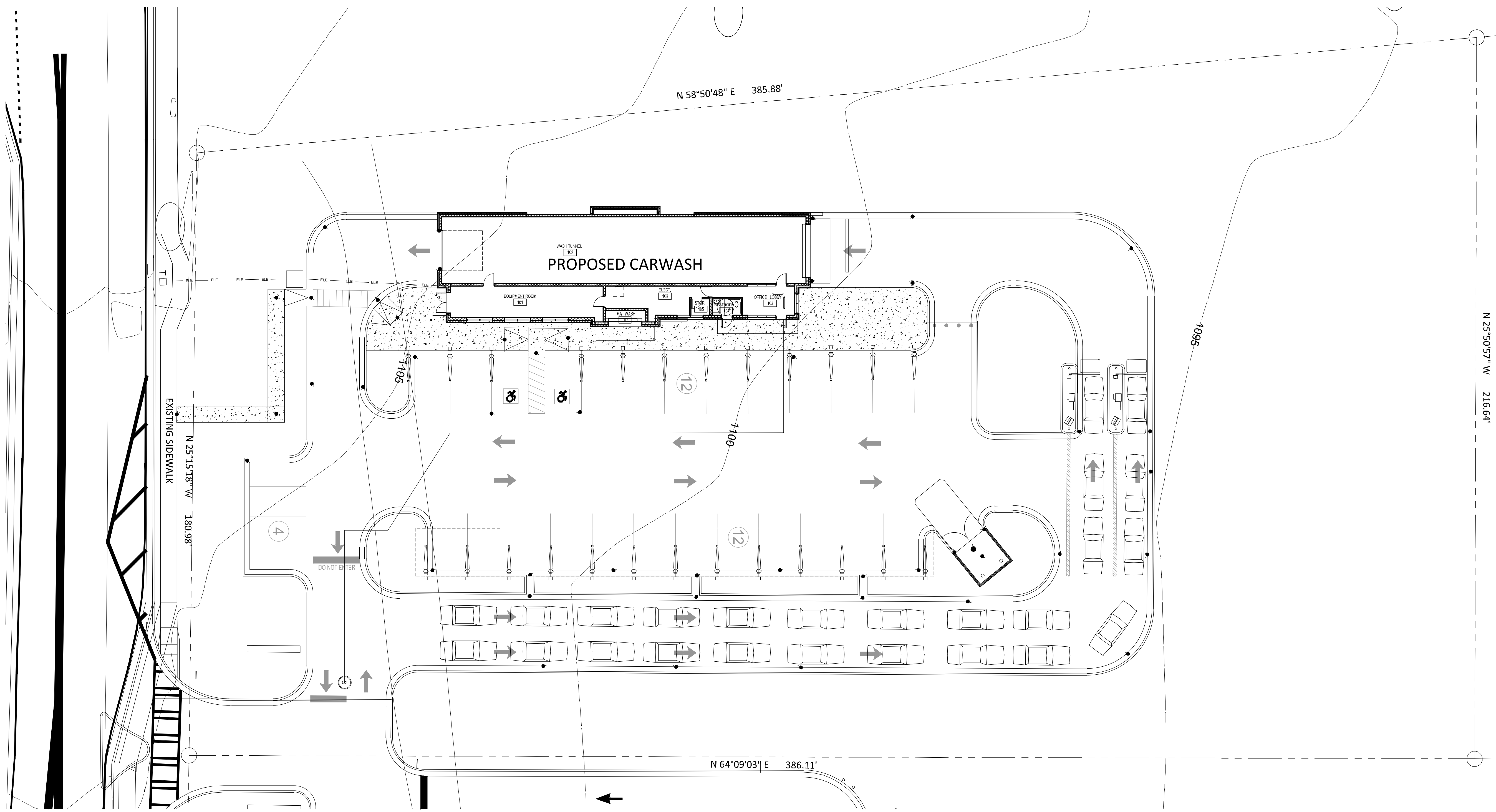
Drawn by: TJS

**SITE PLAN**

Date	8.1.2022	Project Number	2021-77
CAD File Name			

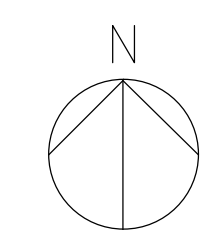
Sheet Number

**A-0.5**



1 SITE PLAN\*  
N.T.S.

\* SITE PLAN IS FOR REFERENCE ONLY.  
SEE CIVIL DWGS FOR FULL SITE PARAMETERS.



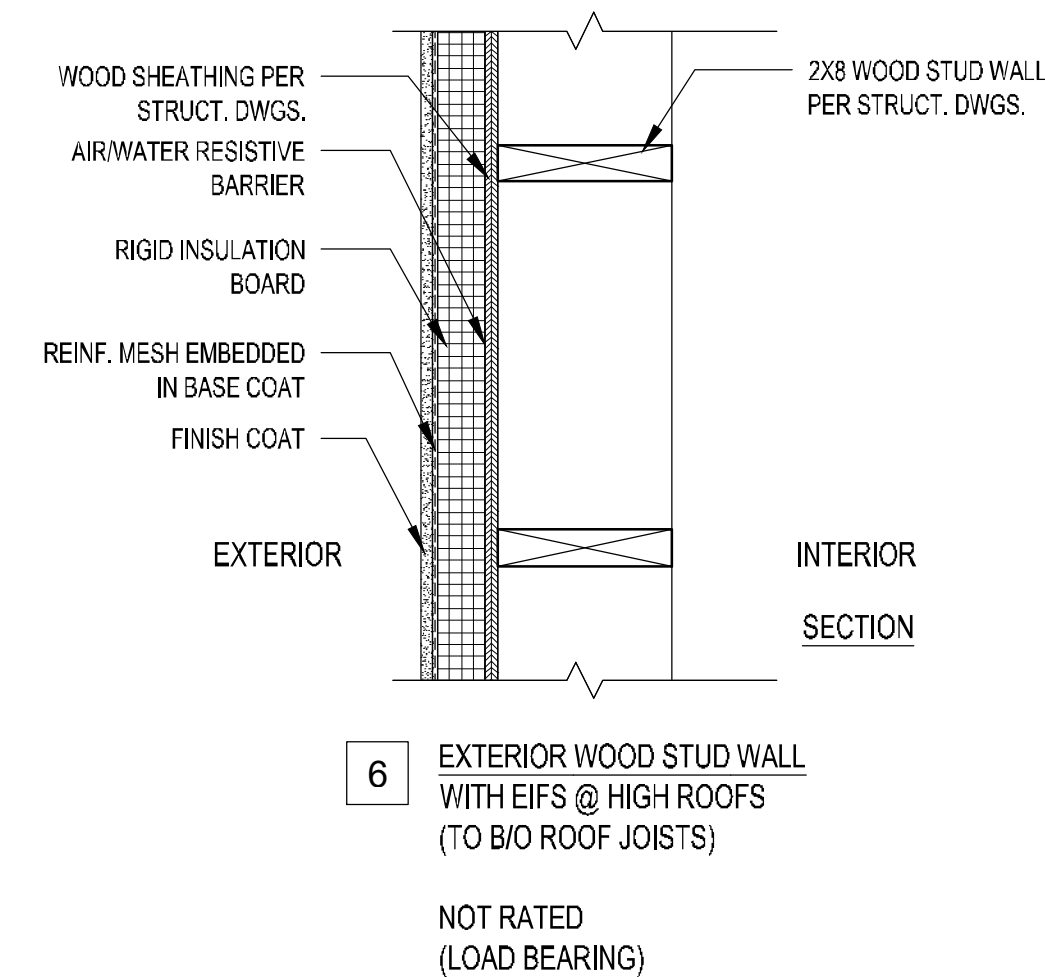
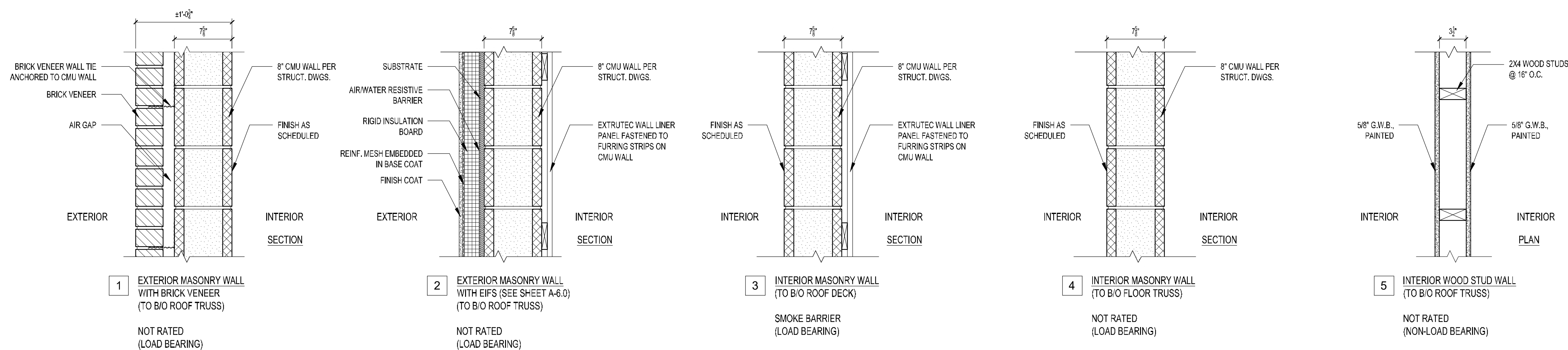
THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770) 908-9908

WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328



**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**

Seal:  
  
08.01.22

No.	Date	Issue Notes

Design Firm:  
  
297 PRINCE AVE, SUITE 288  
ATHENS, GEORGIA  
C: 706.850.1330

Drawn by: **WALL TYPES**

Date:	8.1.2022	Project Number:	2021-77
CAD File Name:			

Sheeting Number:  
**A-0.6**

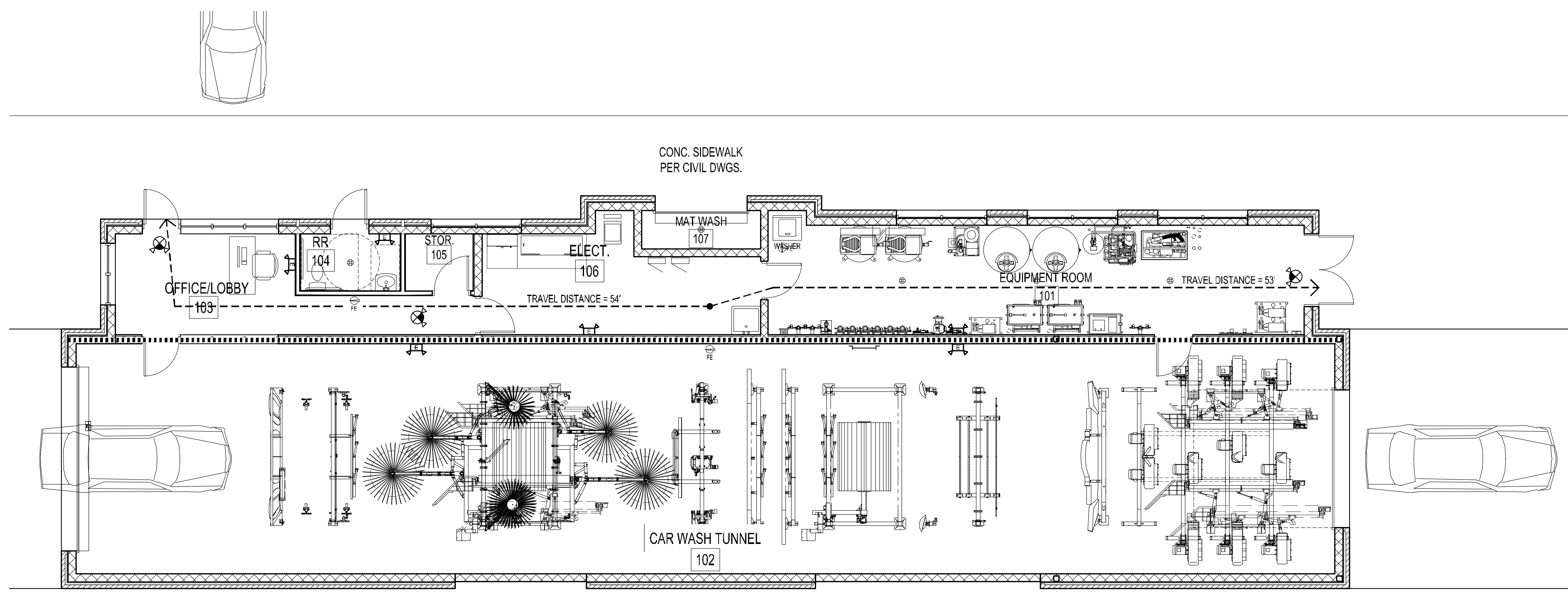
- GENERAL NOTES:**
- ALL WALLS, PARTITIONS AND FLOOR/CEILING ASSEMBLIES SEPARATING TENANTS FROM EACH OTHER OR PUBLIC OR SERVICE AREAS SHALL HAVE A TRANSMISSION CLASS (STC) OF NOT LESS THAN 50 FOR AIR-BORNE NOISE IN ACCORDANCE WITH ASTM E 90. PENETRATIONS OR OPENINGS IN CONTRACTIONS ASSEMBLIES FOR PIPING; ELECTRICAL DEVICES; RECESSED CABINETS; SOFFITS, OR HEATING, VENTILATING OR EXHAUST DUST SHALL BE SEALED, LINED, INSULATED TO MEET THE MINIMUM STC.
  - ALL FIRE WALLS, FIRE BARRIERS, FIRE AND SMOKE PARTITIONS TO BE PERMANENTLY IDENTIFIED WITH STENCILED LETTERING OR OTHER LABELS PER THE INTERNATIONAL BUILDING CODE (IBC) REQUIREMENTS.

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
 PALMER ENGINEERING:  
 3585 Habersham at Northlake,  
 Building N  
 Tucker, Georgia 30084  
 (770) 908-9908  
 WESTSIDE ENGINEERING:  
 5525 Interstate N. Parkway  
 Suite 200  
 Atlanta, GA 30328

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**



1 LIFE SAFETY PLAN  
 3/16" = 1'-0"

LIFE SAFETY LEGEND	
SYMBOL	DESCRIPTION
	EXIT SIGNAGE WITH LIGHTS
	TRAVEL DISTANCE
	FIRE EXTINGUISHER - SURFACE MOUNTED
	EMERGENCY LIGHT ON BATTERY BACK-UP. REFER TO ELEC. DWGS.
	SMOKE RATED WALL TO B/O ROOF DECK

**LIFE SAFETY NOTES**

- EMERGENCY LIGHTING IS PROVIDED IN EVERY SPACE VIA BATTERY BACK UP ON SELECT FIXTURES. REFER TO ELECTRICAL DRAWINGS.
- GC TO PROVIDE FIRE ALARM SMOKE DETECTORS & CARBON MONOXIDE DETECTOR COMBOS
- IN ROOMS AND LOCATIONS WHERE VISUAL OBSTRUCTIONS CANNOT BE AVOIDED, SIGNS OR OTHER MEANS SHALL BE PROVIDED TO INDICATE THE EXTINGUISHER LOCATIONS. CODE SECTION : 2012 IFC SECTION 906 AND NFPA SECTION 6.1.3.3.3.
- PORTABLE FIRE EXTINGUISHER HAVING A GROSS WEIGHT NOT EXCEEDING 40LBS SHALL BE INSTALLED SO THAT THE TOPS ARE NOT MORE THAN 6' A.F.F.
- ALL FIRE EXTINGUISHERS TO HAVE A MINIMUM RATING OF 2-A, 10B C FOR EVERY 1500 SQUARE FEET OF FLOOR AREA. TRAVEL DISTANCE TO REACH AN EXTINGUISHER SHALL NOT EXCEED 75 FEET. PER IBC SECTION 906.9.1. GC TO COORDINATE EXACT LOCATION WITH THE FIRE MARSHAL.
- REFER TO MEP DRAWINGS AND SPECIFICATIONS FOR ALL EMERGENCY LIGHTING LOCATIONS AND TYPES.
- FIRE RATED WALLS. GENERAL CONTRACTOR SHALL FIELD VERIFY ANY EXISTING FIRE RATED WALLS AND/OR PARTITIONS. ANY AND ALL WORK AROUND RATED ASSEMBLIES SHALL BE DONE WITH CARE SO AS NOT TO COMPROMISE THE RATINGS INTEGRITY. ANY AND ALL DAMAGE SHALL BE REPAIRED IMMEDIATELY, WHILE MAINTAINING THE RATING OF THE ASSEMBLY.
- GENERAL CONTRACTOR SHALL ENSURE THE INSTALLATION OF ALL SAFETY DEVICES INDICATED WITHIN THE WHOLE DRAWING SET IN ADDITION TO THOSE THAT MAY BE REQUIRED BY LOCAL JURISDICTION.
- PLUMBING FIXTURES, PER IPC 2018 TABLE 403.1 THE REQUIRED WATER CLOSETS FOR MALES AND FEMALES IS 1 PER 25 FOR THE FIRST 50 AND 1 PER FOR REMAINDER EXCEEDING 50. THE REQUIRED AMOUNT OF LAVATORIES IS 1 PER 40 FOR THE FIRST 80 AND 1 PER 60 FOR THE REMAINDER EXCEEDING 80.

Seal:  
  
 08.01.22

No.	Date	Issue Notes

Logo for E+E ARCHITECTURE, featuring a stylized 'E' with a cross inside. Below the logo is the address: 297 PRINCE AVE, SUITE 288, ATHENS, GEORGIA, C: 706.850.1330.

**LIFE SAFETY**  
 Date: 8.1.2022 Project Number: 2021-77  
 CAD File Name: 2021-77


Drawing Number:  
**LS-1.0**

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.


E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
 PALMER ENGINEERING:  
 3585 Habersham at Northlake,  
 Building N  
 Tucker, Georgia 30084  
 (770) 908-9908  
 WESTSIDE ENGINEERING:  
 5525 Interstate N. Parkway  
 Suite 200  
 Atlanta, GA 30328

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**

Seal:  
  
 08.01.22

No.	Date	Issue Notes

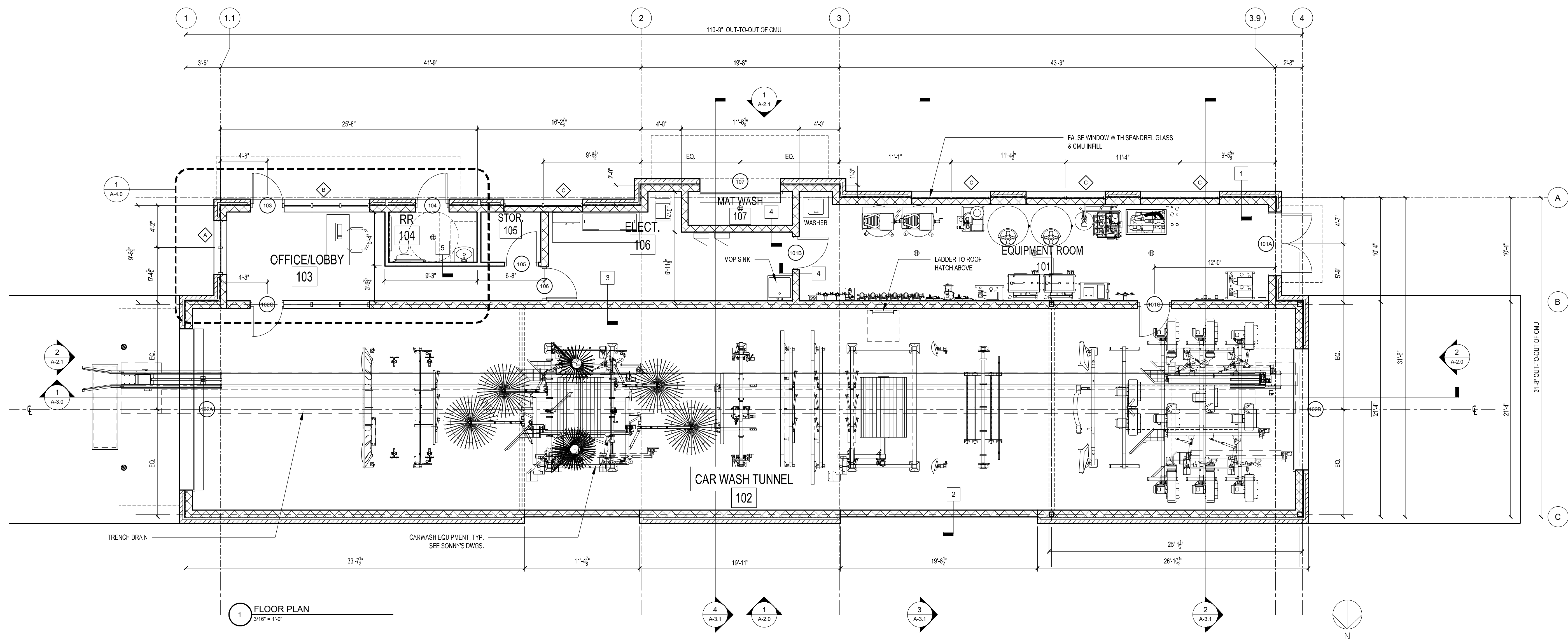


297 PRINCE AVE, SUITE 288  
 ATHENS, GEORGIA  
 C: 706.850.1330

**FLOOR PLANS**

Date: 8.1.2022 Project Number: 2021-77  
 CAD File Name: 2021-77

Sheet Number:  
**A-1.0**



THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
 PALMER ENGINEERING:  
 3585 Habersham at Northlake,  
 Building N  
 Tucker, Georgia 30084  
 (770) 908-9908

WESTSIDE ENGINEERING:  
 5525 Interstate N. Parkway  
 Suite 200  
 Atlanta, GA 30328

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**



08.01.22

No.	Date	Issue Notes



**REFLECTED CEILING PLANS**

Date	8.1.2022	Project Number	2021-77
CD/ File Name			

Sheet Number

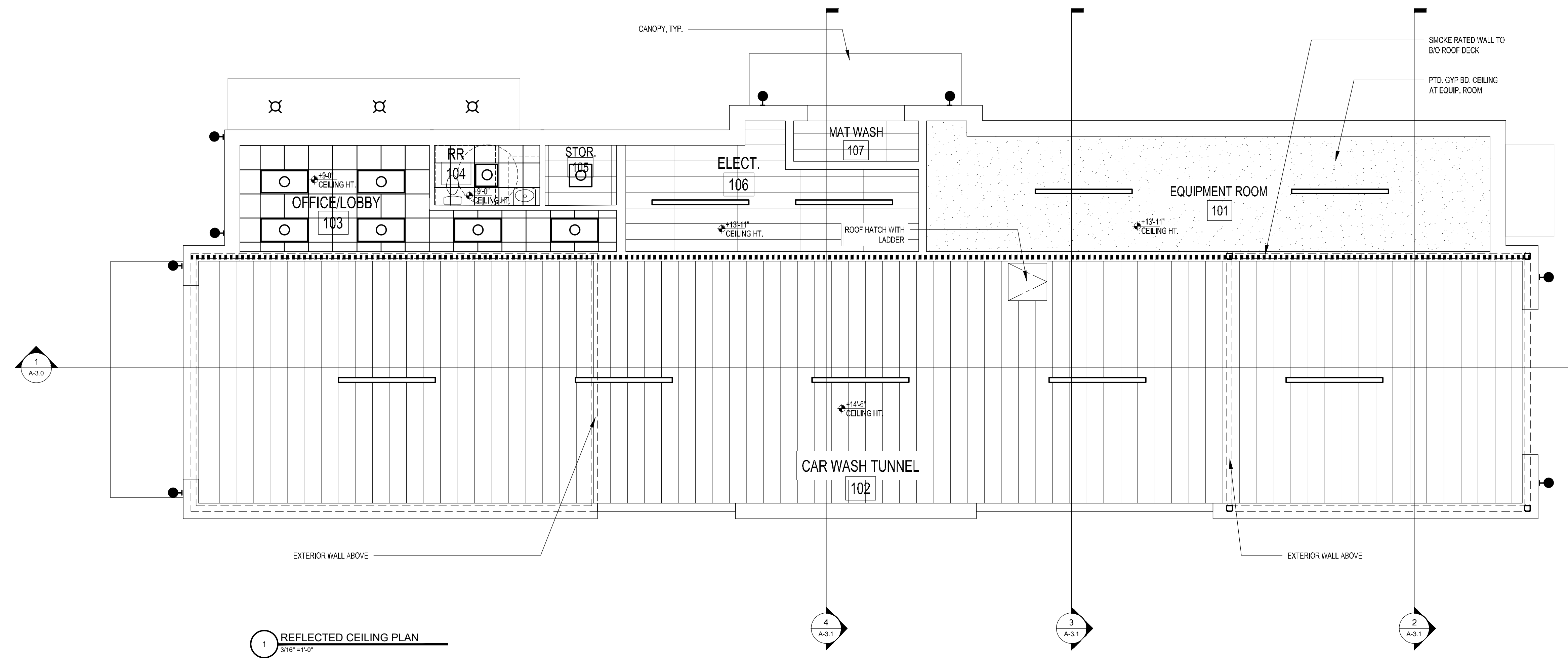
**A-1.1**

**REFLECTED CEILING GENERAL NOTES**

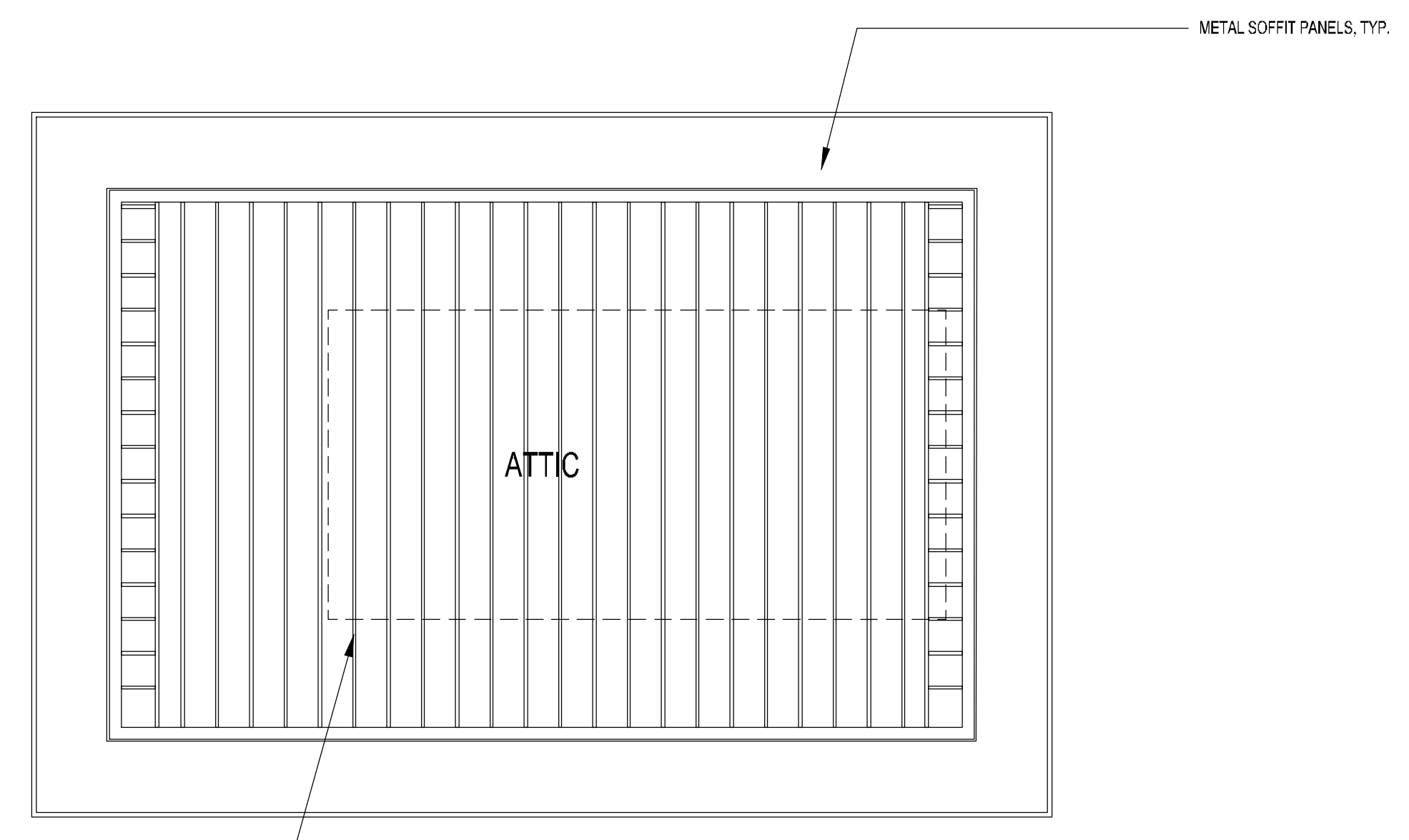
- LOCATION AND FIELD VERIFICATION**  
 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF DUCTWORK, PLUMBING LINES AND SPRINKLER LINES TO INSURE INSTALLATION OF LIGHT FIXTURES SHOWN. CONTRACTOR SHALL NOTIFY ARCHITECT FOR THE REVISED FIXTURE LOCATION.
- LIGHTING**  
 2. ALL DOWN LIGHTS SHALL BE LOCATED ON CENTERLINE OF CEILING TILES UNLESS NOTED OTHERWISE ON PLAN.  
 3. LIGHTING LAYOUTS SHALL BE CONFIRMED WITH THE ARCHITECT.
- CEILING**  
 4. CEILING HEIGHT SHALL MATCH EXISTING, UNLESS OTHERWISE NOTED ON THE PLAN.  
 5. ALL CEILING GRID SHALL BE CAULKED TO ADJACENT WALLS PRIOR TO WALL PAINTING.  
 6. ALL CEILING GRID SHALL BE CENTERED IN SPACES U.N.O.

RCP SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
	8' LED LINEAR LIGHT FIXTURE
	4' LED LINEAR SURFACE MOUNTED LIGHT FIXTURE
	EXTERIOR WALLPACK LIGHT FIXTURE
	SMALL DECORATIVE PENDANT
	EXTERIOR PENDANT LIGHT FIXTURE
	2' X 2' FLAT LED LIGHT FIXTURE
	2' X 4' FLAT LED LIGHT FIXTURE
	LED LIGHT PANEL

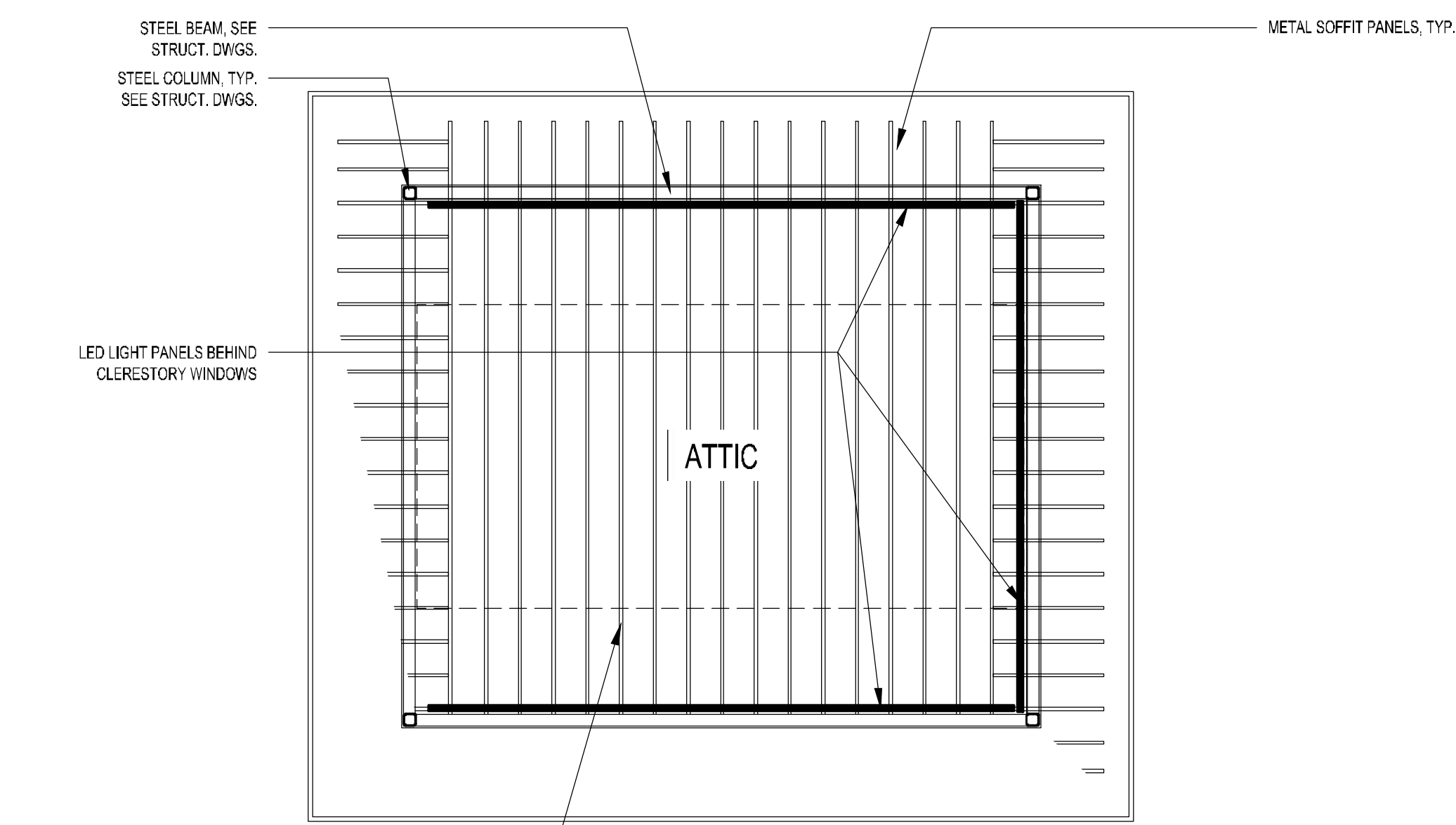
RCP MATERIALS LEGEND	
SYMBOL	DESCRIPTION
	2X2 ACOUSTICAL CEILING TILE
	EXTRUTECH CEILING ATTACHED TO FURRING STRIPS ATTACHED TO BOTTOM OF TRUSSES
	METAL OR VINYL CEILING PANELS ATTACHED TO BOTTOM OF TRUSSES



**1 REFLECTED CEILING PLAN**  
 3/16" = 1'-0"



**2 REFLECTED CLERESTORY PLAN 1**  
 3/16" = 1'-0"



**3 REFLECTED CLERESTORY PLAN 2**  
 3/16" = 1'-0"

EXPOSED 2X WOOD ROOF JOISTS, TYP. SEE STRUCT. DWGS.


EXPOSED 2X WOOD ROOF JOISTS, TYP. SEE STRUCT. DWGS.

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.


E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
 PALMER ENGINEERING:  
 3585 Habersham at Northlake,  
 Building N  
 Tucker, Georgia 30084  
 (770) 908-9908  
 WESTSIDE ENGINEERING:  
 5525 Interstate N. Parkway  
 Suite 200  
 Atlanta, GA 30328

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**

Scale:  
  
 08.01.22

No.	Date	Issue Notes

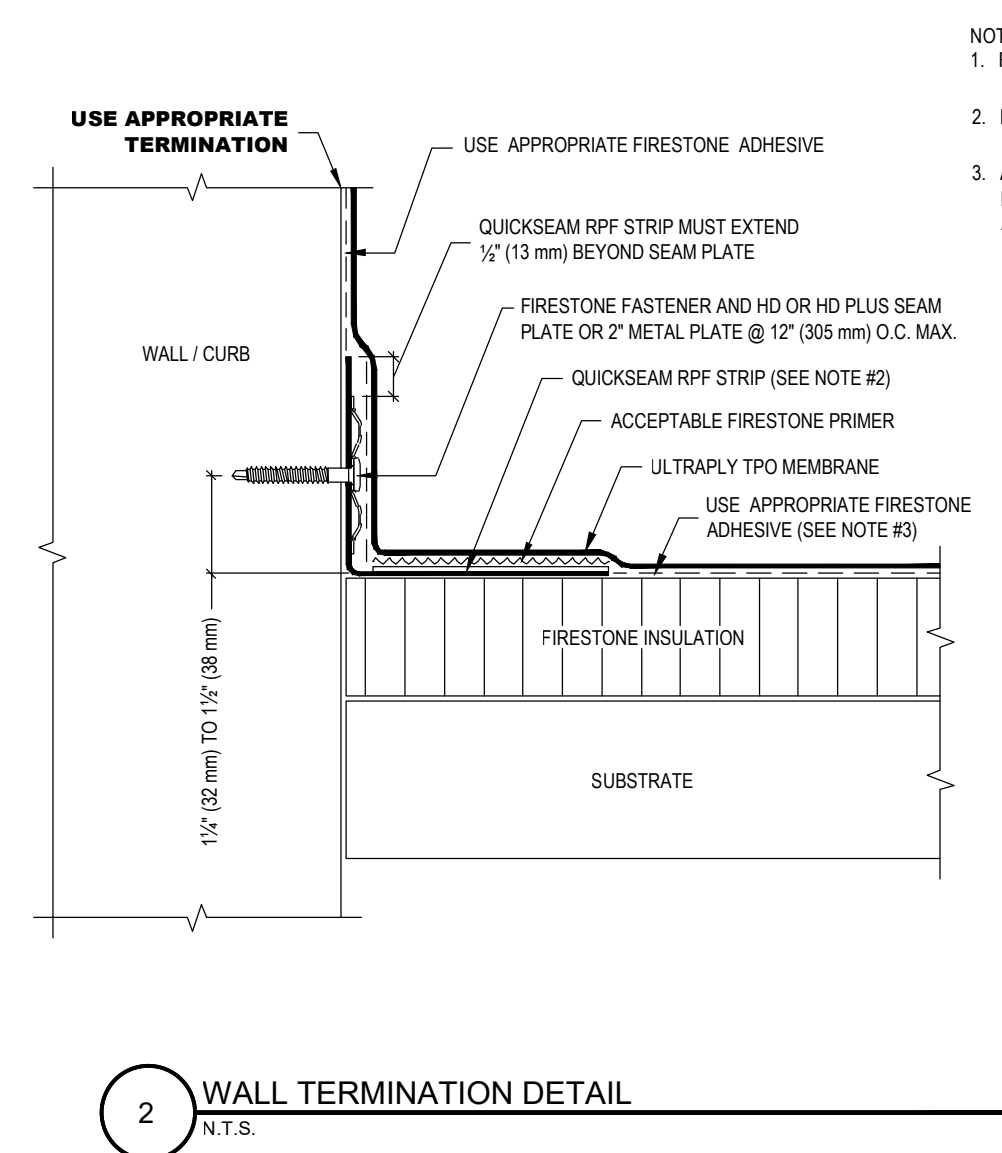
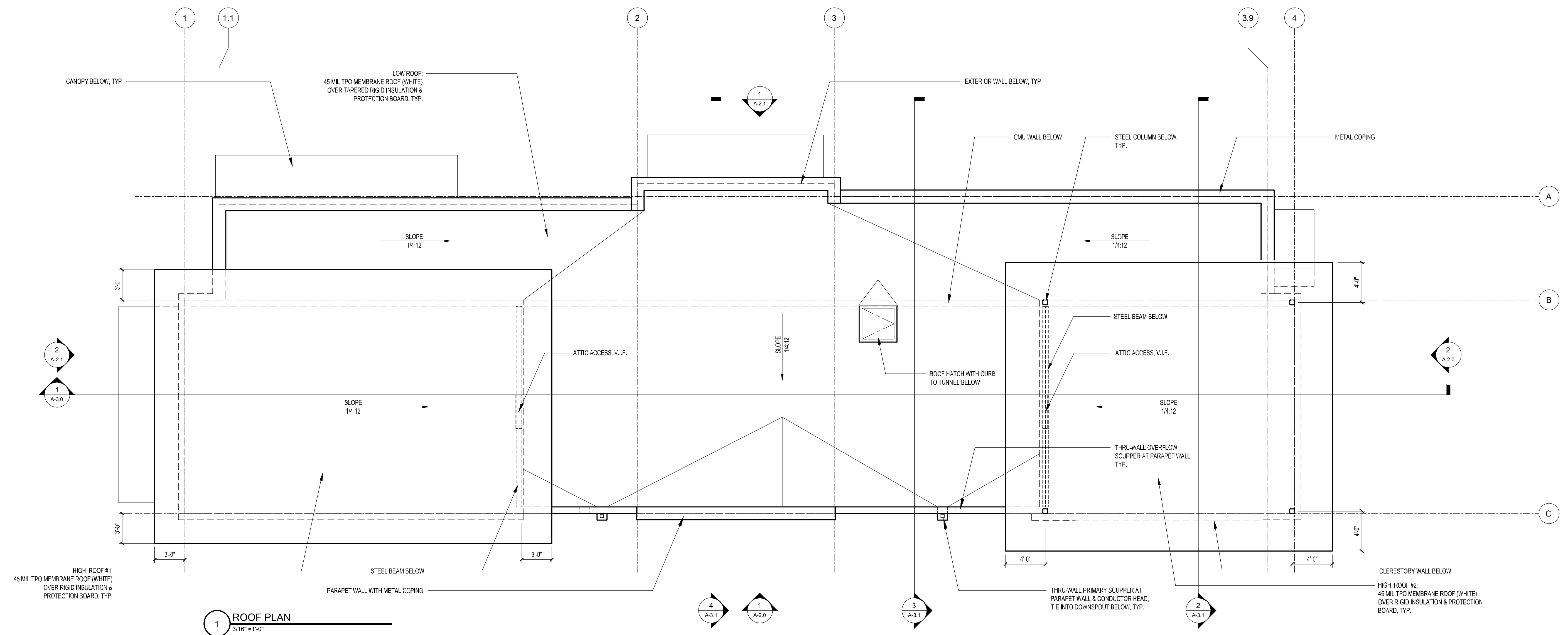


297 PRINCE AVE, SUITE 288  
 ATHENS, GEORGIA  
 C. 706.850.1330

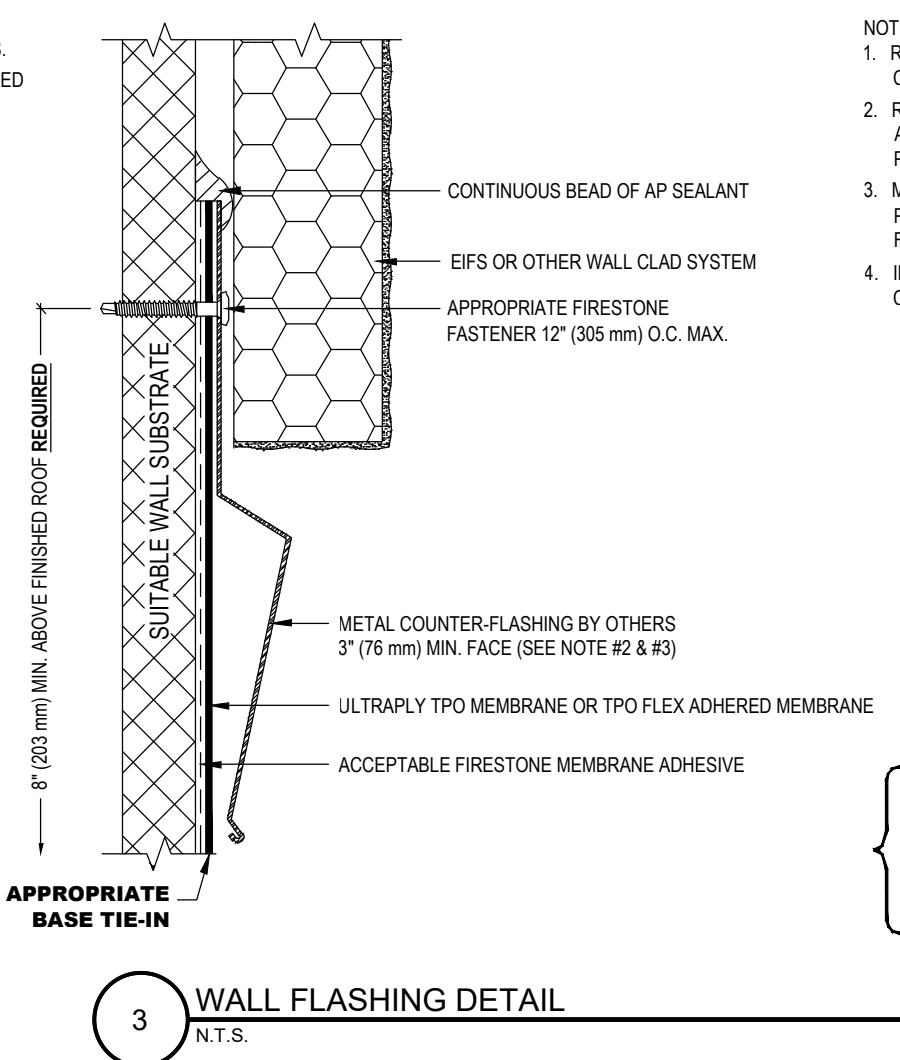
**ROOF PLAN & DETAILS**

Date: 8.1.2022 Project Number: 2021-77  
 CAD File Name:   
 Drawing Number:

**A-1.2**

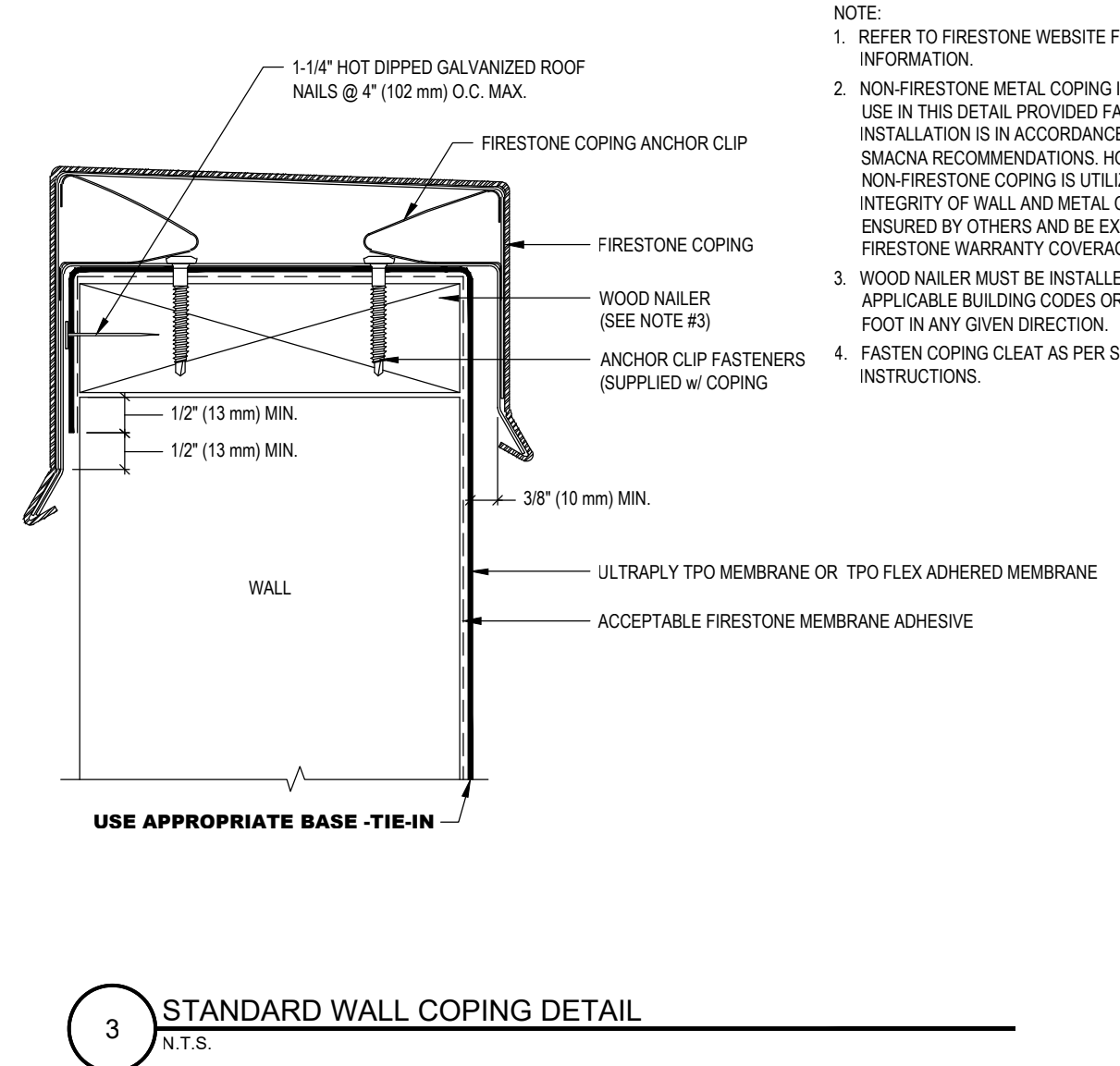


NOTE:  
 1. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.  
 2. REFER TO DETAIL UT-BT-14 OR UT-BT-15 FOR QUICKSEAM RPF STRIP LAYOUT AT CORNERS.  
 3. APPROPRIATE FIRESTONE ADHESIVE REQUIRED BETWEEN MEMBRANE AND INSULATION FOR ADHERED SYSTEMS.



NOTE:  
 1. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.  
 2. REGULAR MAINTENANCE OF COUNTERFLASHING AND SEALANTS IS REQUIRED. NOT INCLUDED AS PART OF THE FIRESTONE WARRANTY.  
 3. METAL COUNTERFLASHING SHALL BE 24 GAUGE PRE-FINISHED STEEL OR .032" MIN. ALUMINUM FORMED WITH HEMMED LOWER EDGE.  
 4. INSTALL METAL WORK IN ACCORDANCE WITH CURRENT SMACNA RECOMMENDATIONS.

**WALL SYSTEM MUST BE WATERPROOFED AND MAINTAINED IN ORDER FOR ANY SURFACE MOUNTED TERMINATION TO BE EFFECTIVE**



NOTE:  
 1. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.  
 2. NON-FIRESTONE METAL COPING IS ACCEPTABLE FOR USE IN THIS DETAIL PROVIDED FABRICATION AND INSTALLATION IS IN ACCORDANCE WITH CURRENT SMACNA RECOMMENDATIONS. HOWEVER, IF NON-FIRESTONE COPING IS UTILIZED, WATER-TIGHT INTEGRITY OF WALL AND METAL COPING SHALL BE ENSURED BY OTHERS AND BE EXCLUDED FROM FIRESTONE WARRANTY COVERAGE.  
 3. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LB PER LINEAR FOOT IN ANY GIVEN DIRECTION.  
 4. FASTEN COPING CLEAT AS PER SUPPLIED INSTRUCTIONS.

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
 PALMER ENGINEERING:  
 3585 Habersham at Northlake,  
 Building N  
 Tucker, Georgia 30084  
 (770) 908-9908

WESTSIDE ENGINEERING:  
 5525 Interstate N. Parkway  
 Suite 200  
 Atlanta, GA 30328

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**

Seal:  
  
 08.01.22

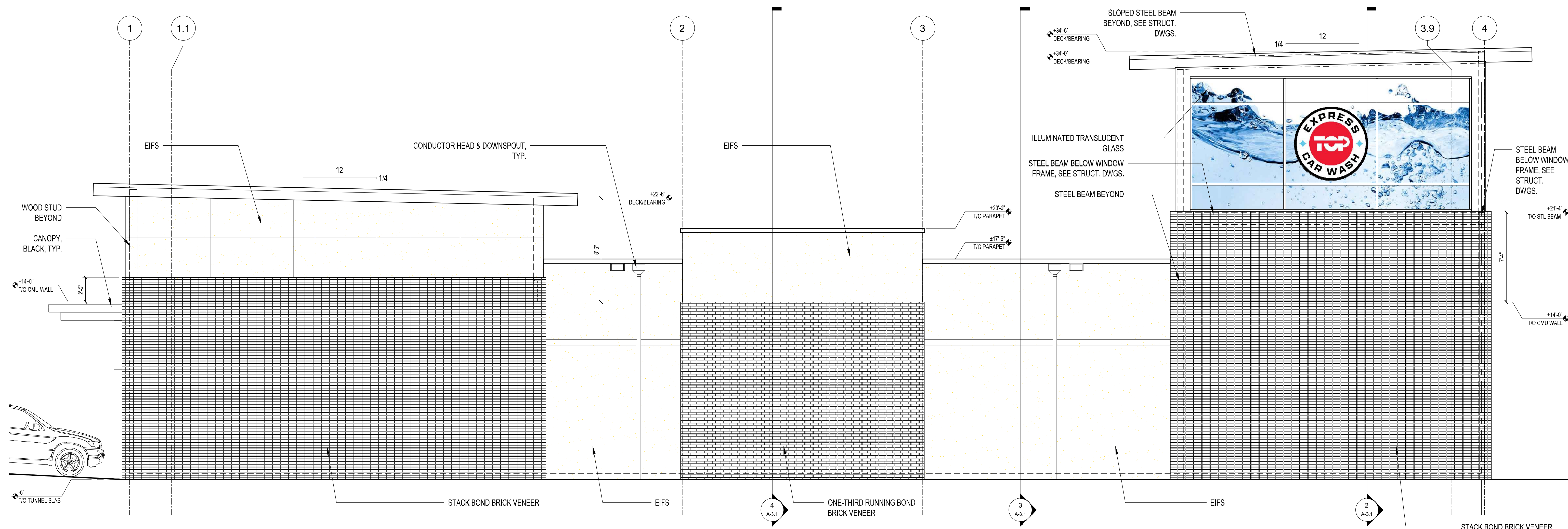
No.	Date	Issue Notes

  
 297 PRINCE AVE, SUITE 288  
 ATHENS, GEORGIA  
 O: 706.850.1330

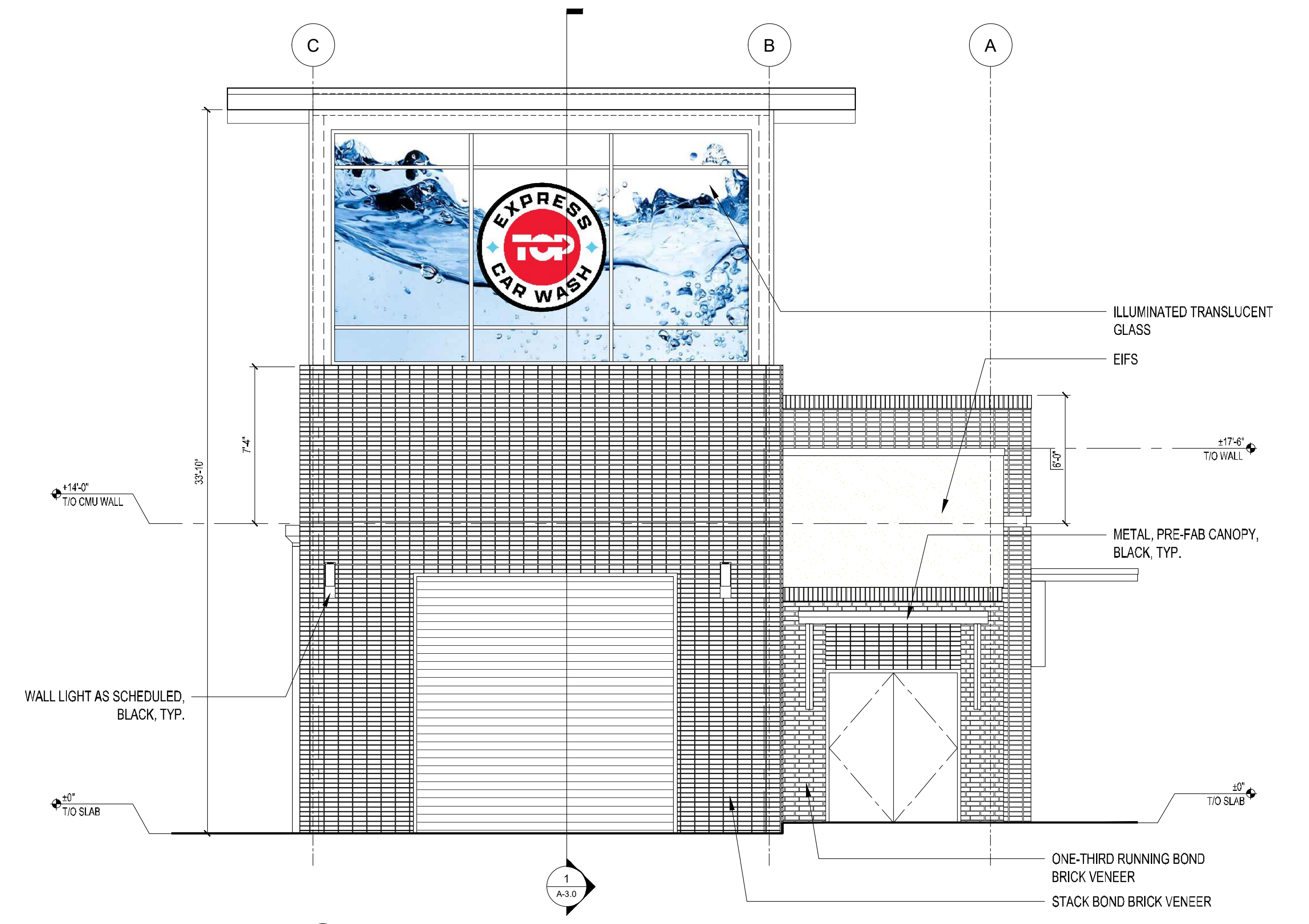
**EXTERIOR ELEVATIONS**

Date: 8.1.2022 Project Number: 2021-77  
 CAD File Name: 2021-77

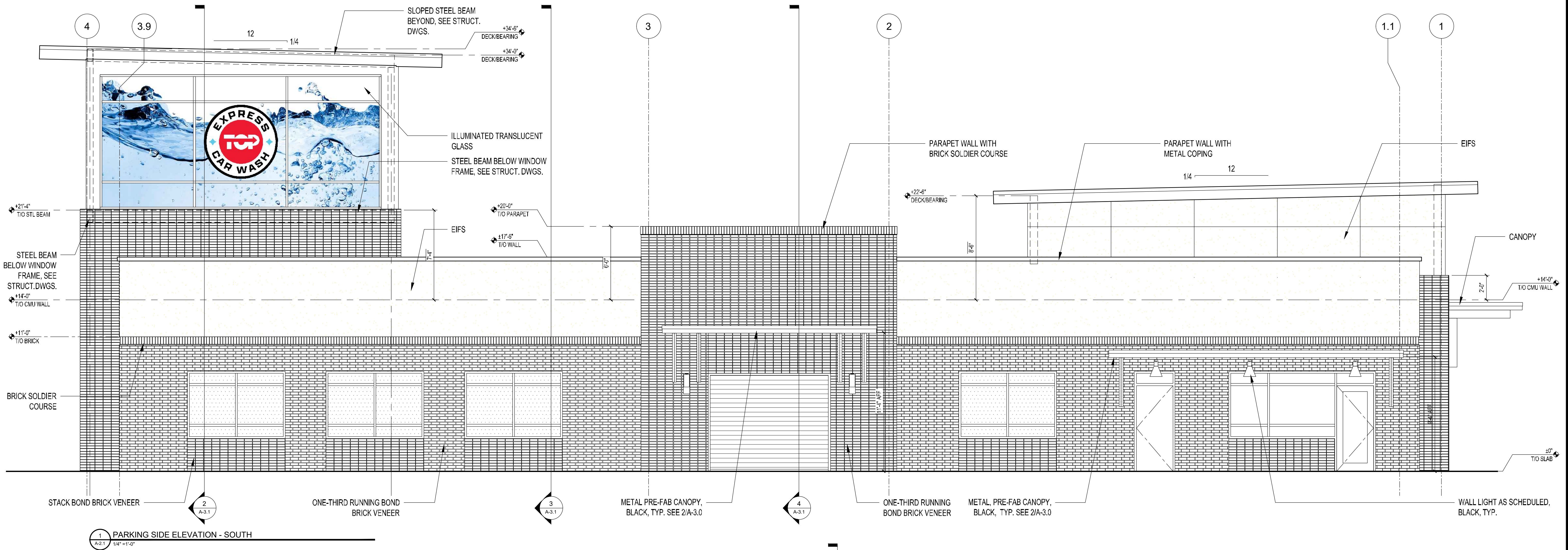
Sheet Number:  
**A-2.0**



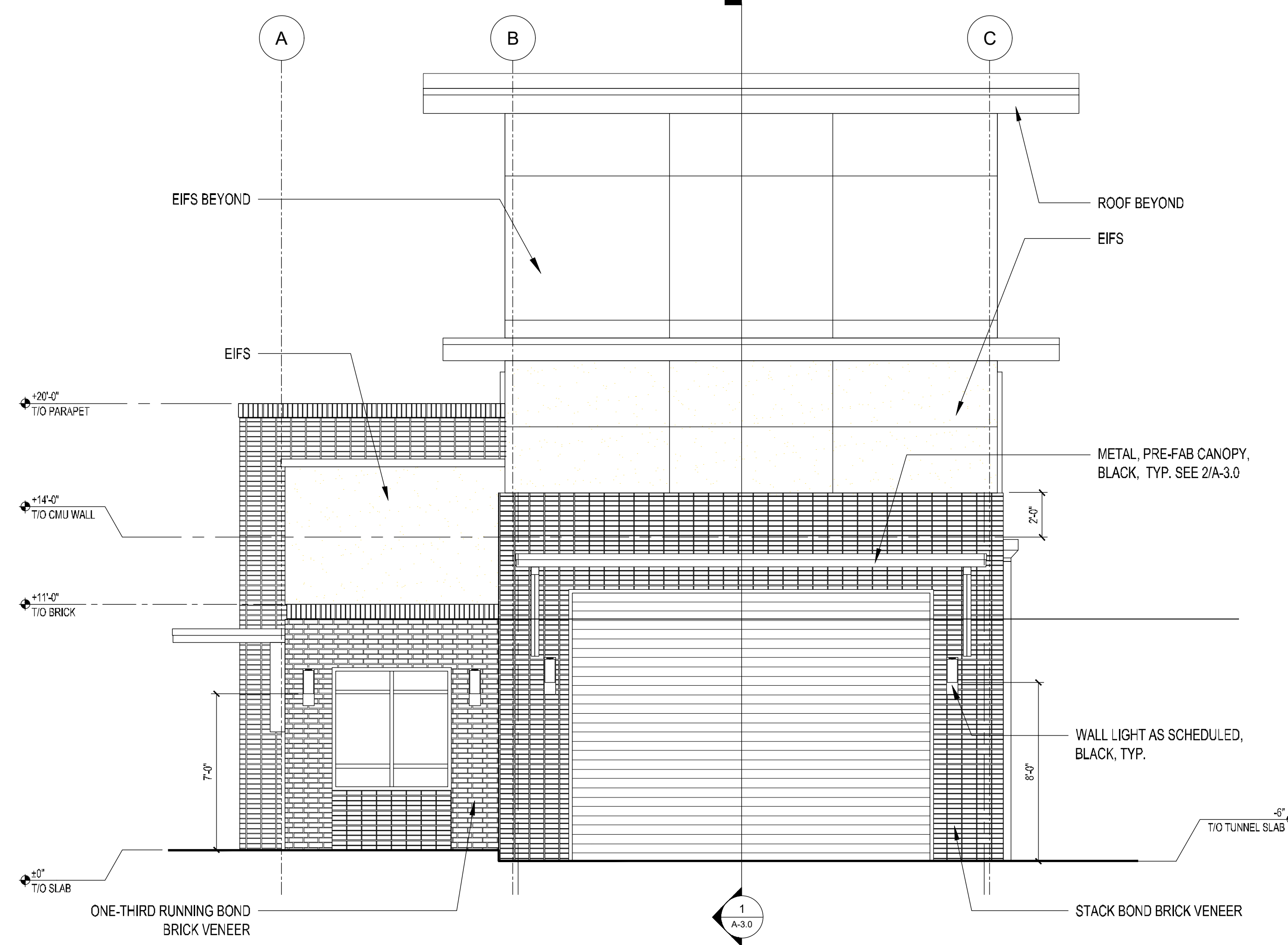
**1 SIDE ELEVATION - NORTH**  
 A-2.0 1/4"=1'-0"



**2 STREET ELEVATION / EXIT - WEST**  
 A-2.0 1/4"=1'-0"



1 PARKING SIDE ELEVATION - SOUTH  
1/4" = 1'-0"



2 REAR ELEVATION / ENTRANCE - EAST  
1/4" = 1'-0"

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770) 908-9908  
WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328

**TOP CAPITAL CAR WASH**  
765 DACULA ROAD  
DACULA, GA

Seal:  
Katie Evans  
KATHIE MARIE EVANS  
REGISTERED ARCHITECT  
08.01.22

No.	Date	Issue Notes

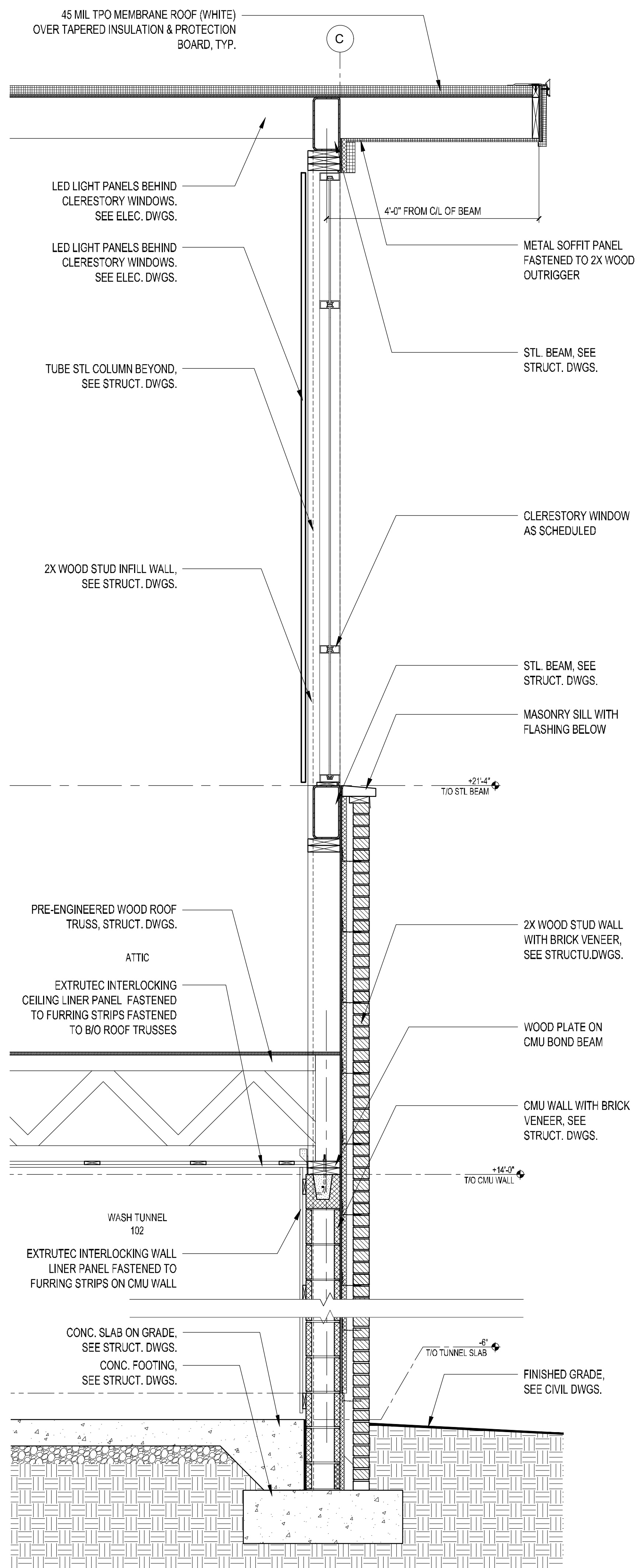
**E+E ARCHITECTURE**  
297 PRINCE AVE, SUITE 288  
ATHENS, GEORGIA  
C: 706.850.1330

**EXTERIOR ELEVATIONS**  
Date: 8.1.2022 Project Number: 2021-77  
CAD File Name: 2021-77

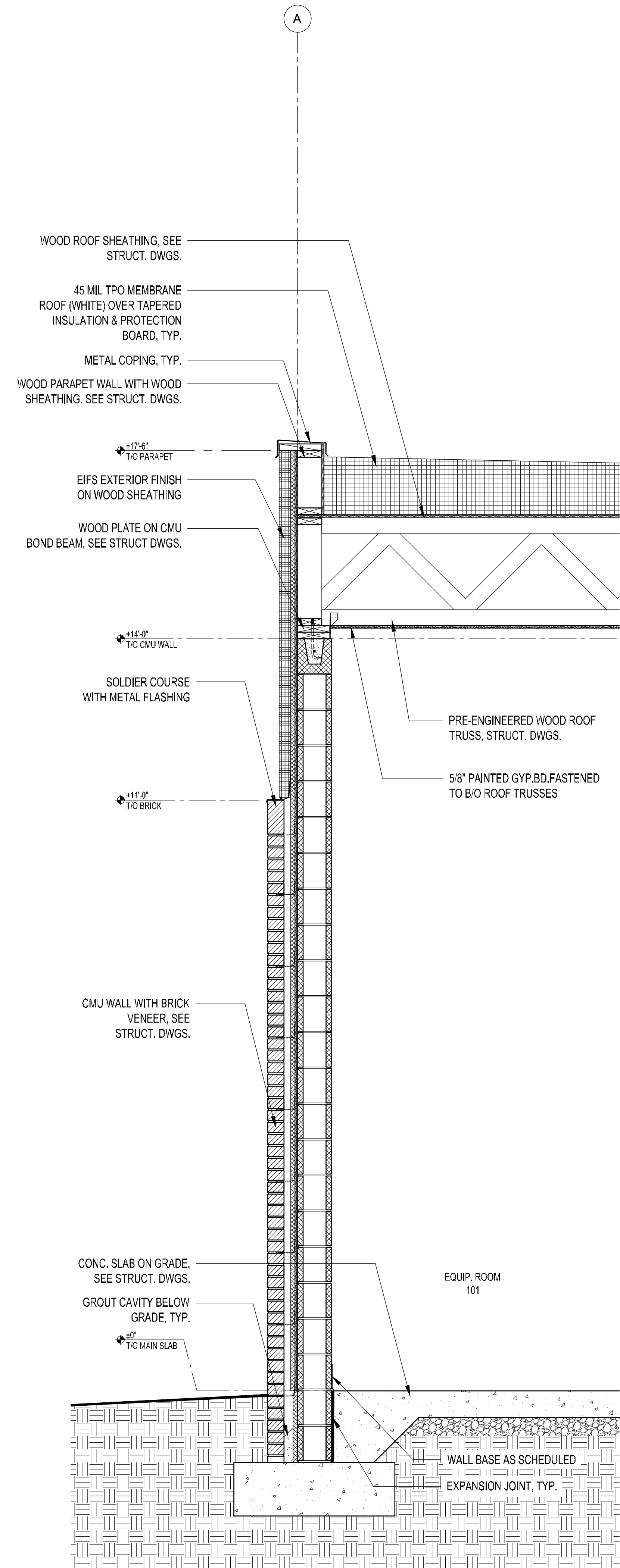
Sheet Number: **A-2.1**



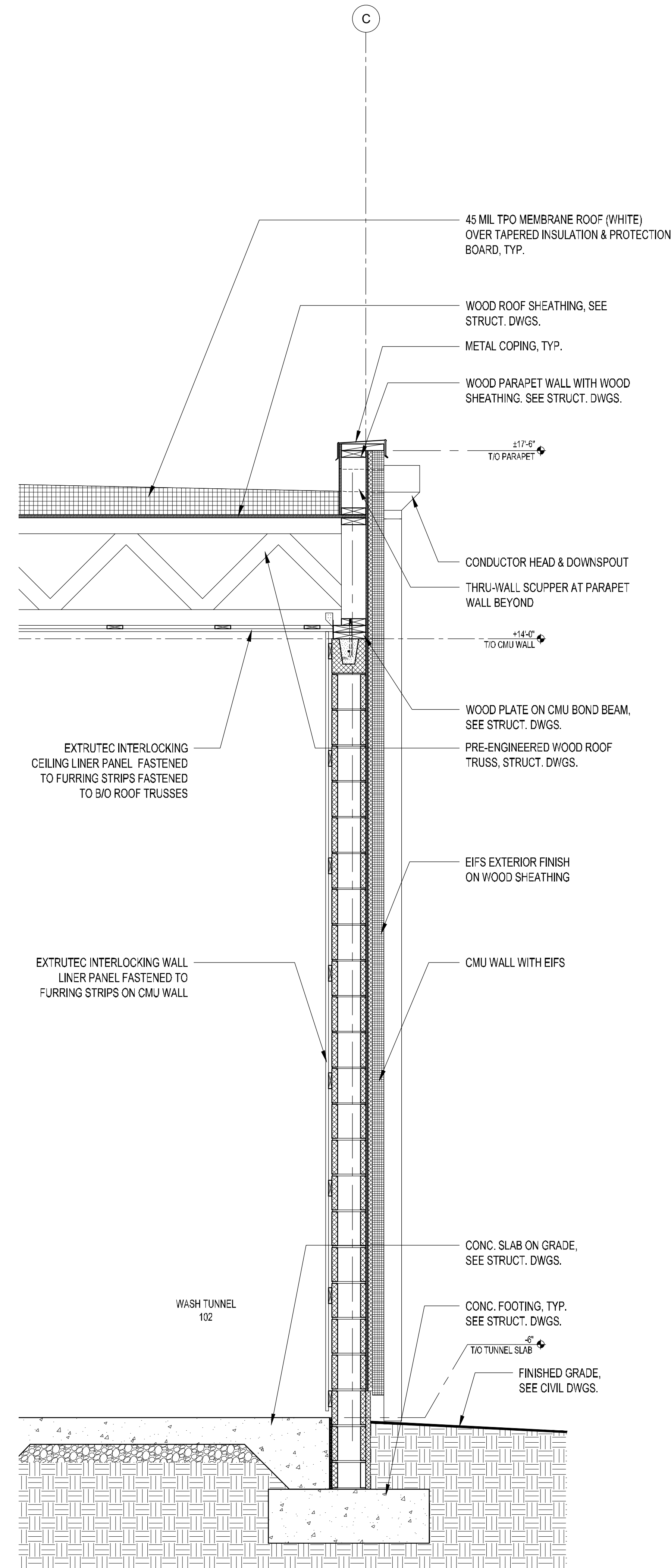




1 WALL SECTION @ HIGH ROOF #2  
3/4" = 1'-0"



2 WALL SECTION  
3/4" = 1'-0"



3 WALL SECTION  
3/4" = 1'-0"

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770) 908-9908  
WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328

TOP CAPITAL CAR WASH  
765 DACULA ROAD  
DACULA, GA

Seal:  
Katie E. Evans  
KATHIE MARIE EVANS  
EXPIRES 06/30/2025  
REGISTERED ARCHITECT  
08.01.22

No.	Date	Issue Notes



WALL SECTIONS

Date	8.1.2022	Project Number	2021-77
CAD File Name			
Sheet Number			

A-3.2




THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
 PALMER ENGINEERING:  
 3585 Habersham at Northlake,  
 Building N  
 Tucker, Georgia 30084  
 (770) 908-9908  
 WESTSIDE ENGINEERING:  
 5525 Interstate N. Parkway  
 Suite 200  
 Atlanta, GA 30328

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**

Seal:  
  
 08.01.22

No.	Date	Issue Notes

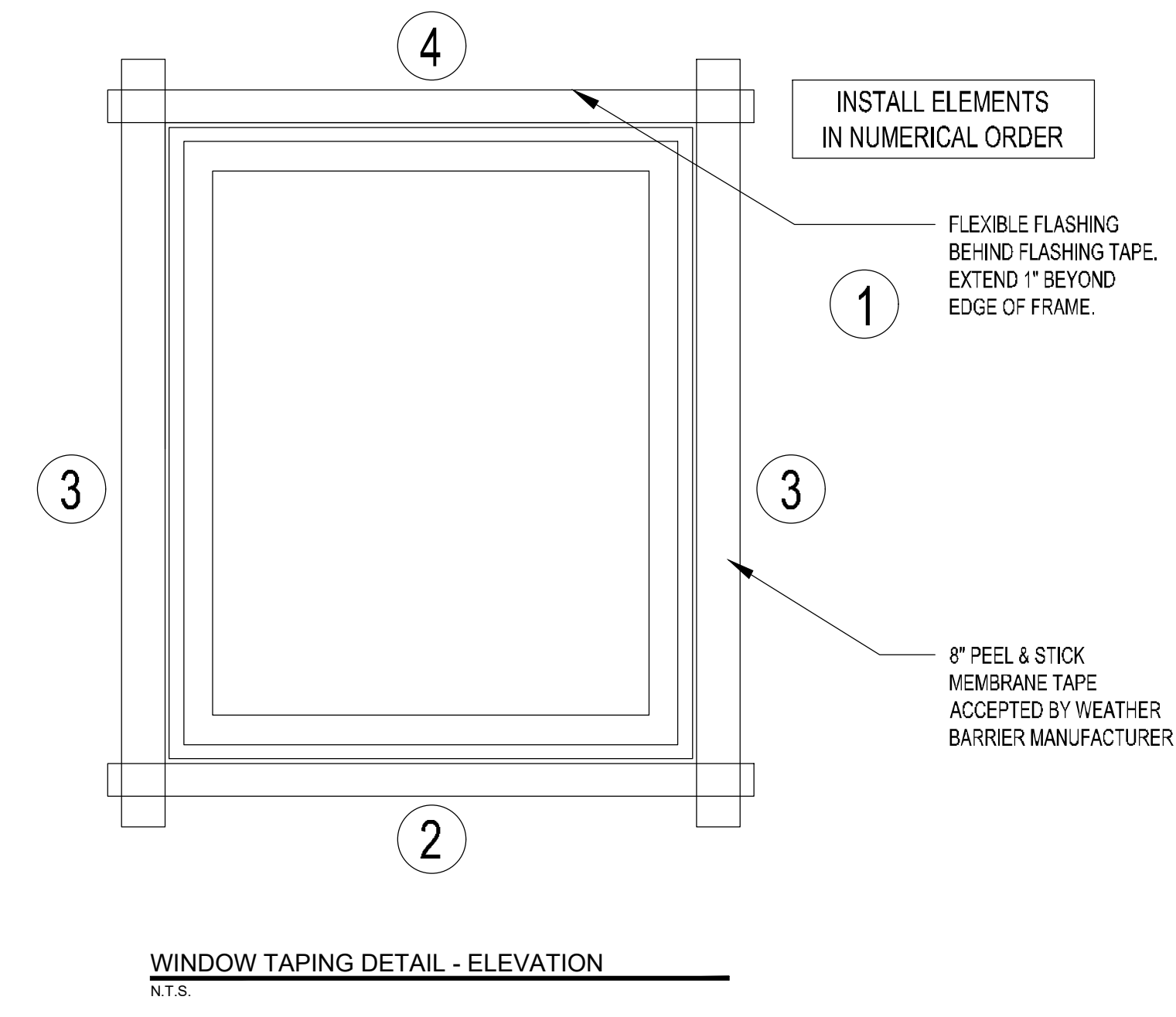
  
 297 PRINCE AVE, SUITE 288  
 ATHENS, GEORGIA  
 706.850.1330

**DOOR & WINDOW DETAILS**

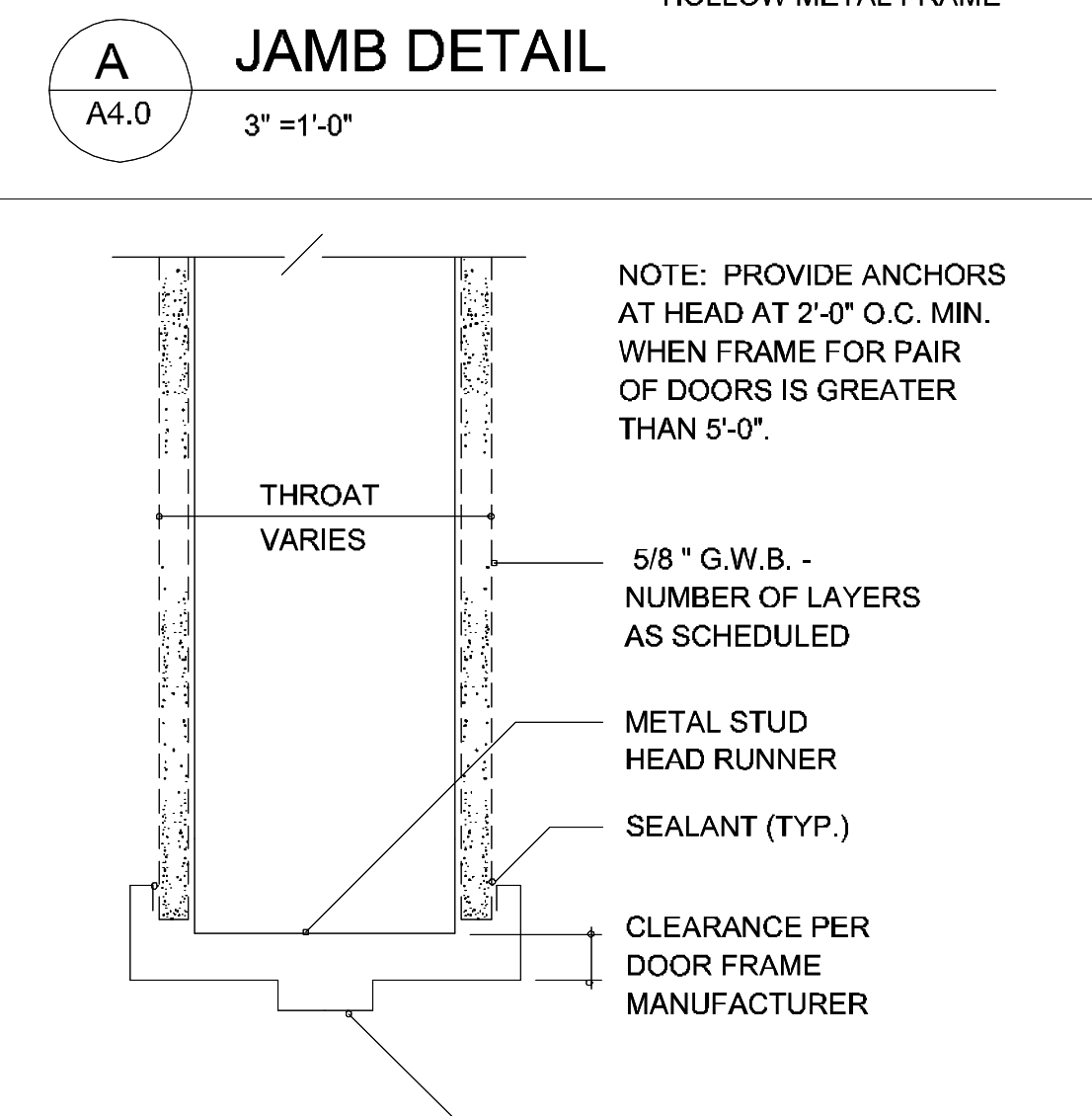
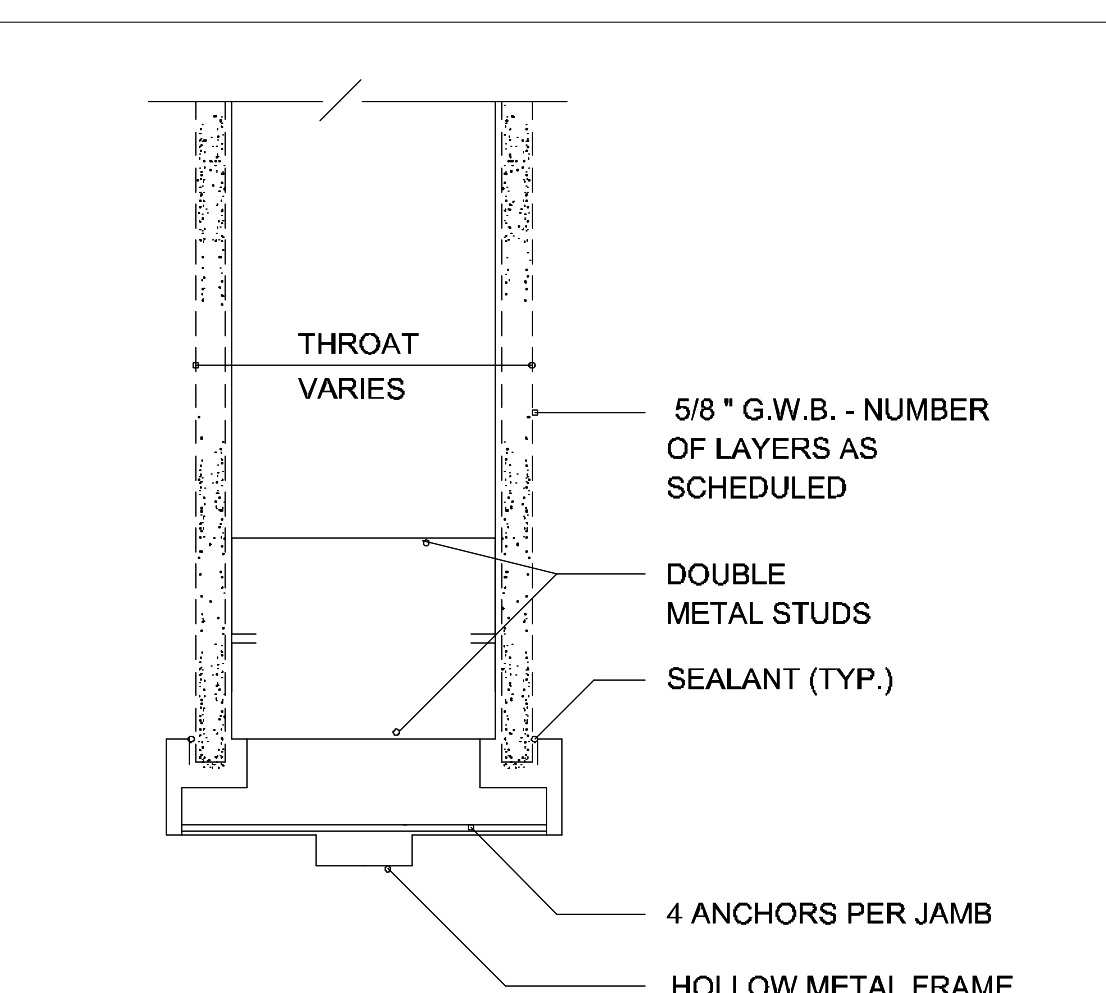
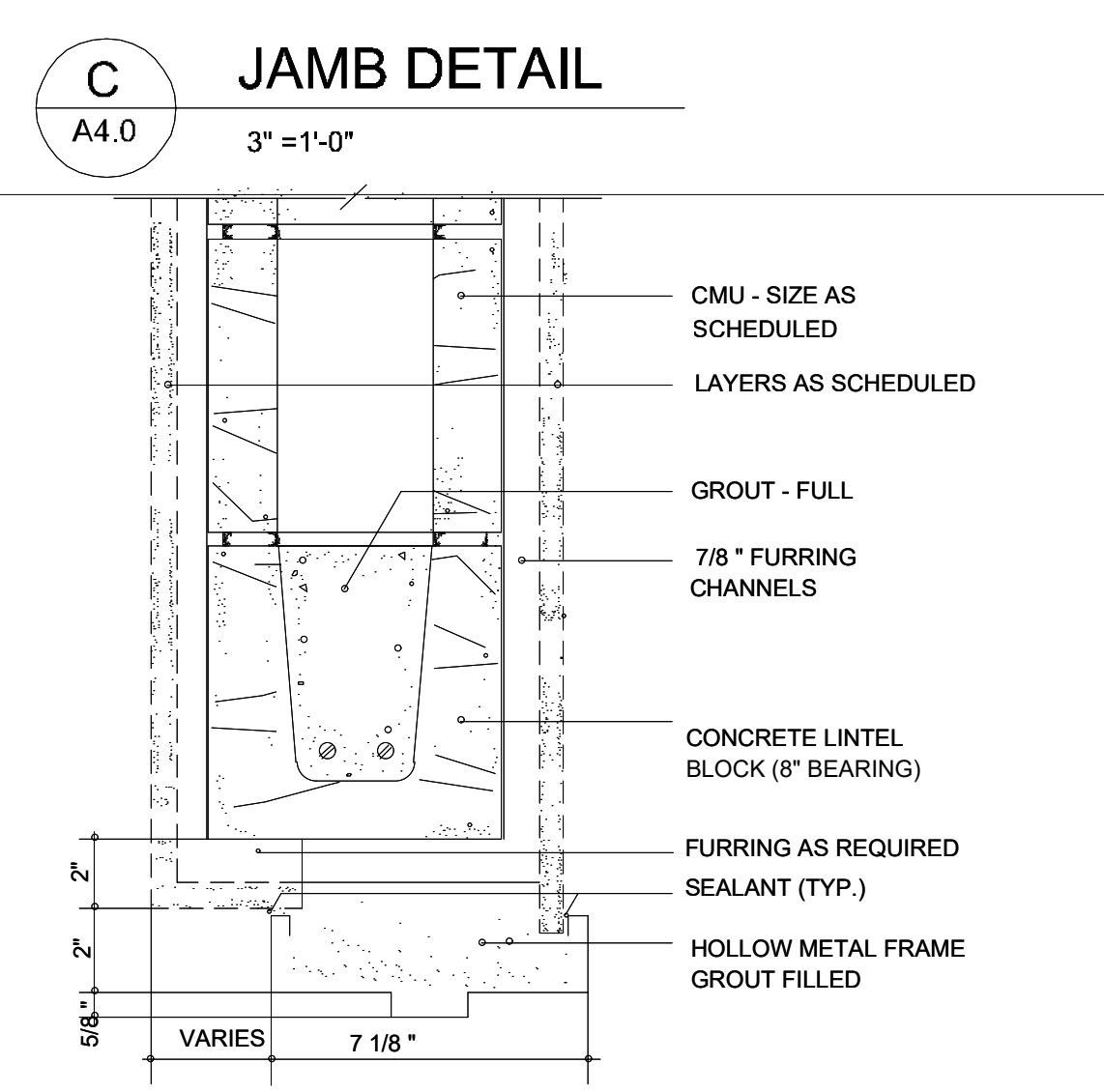
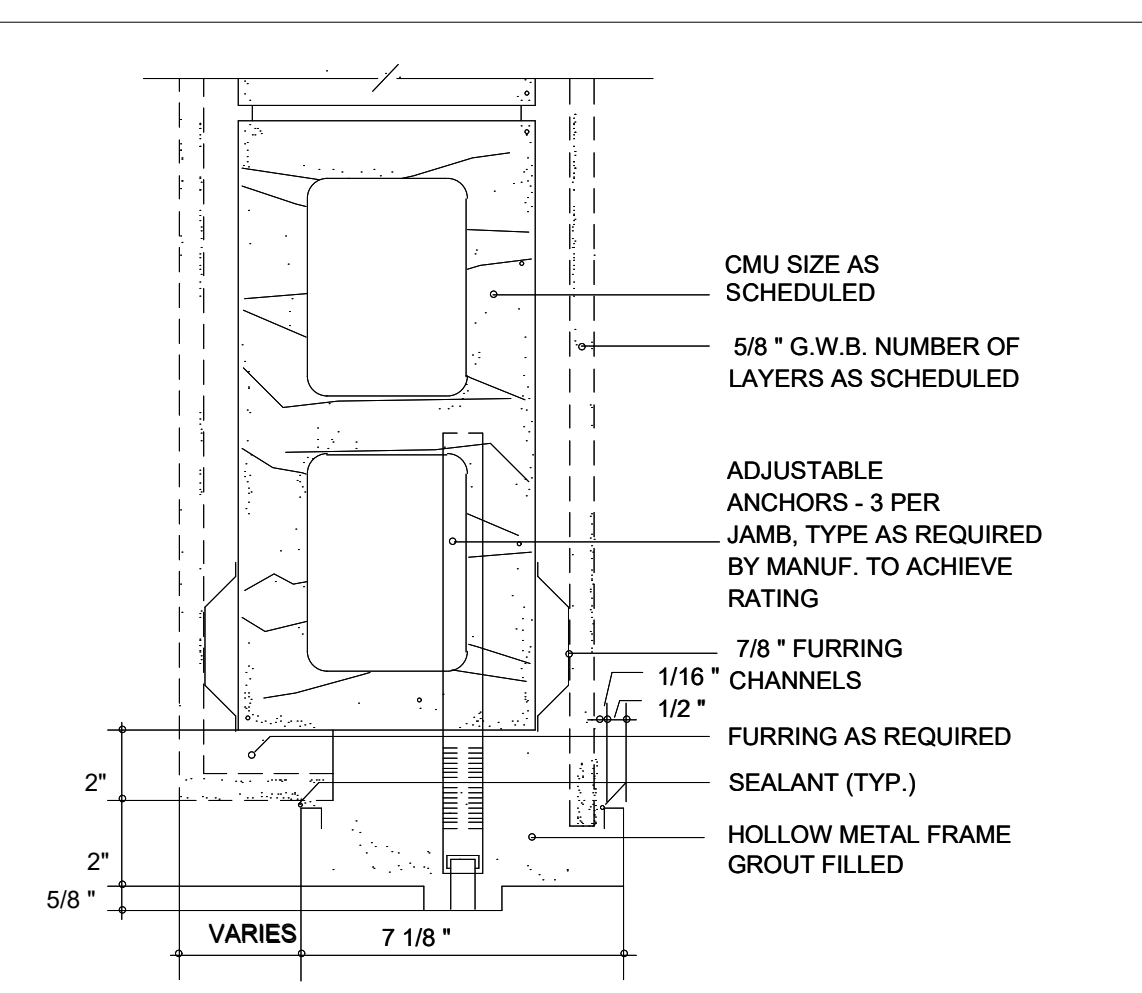
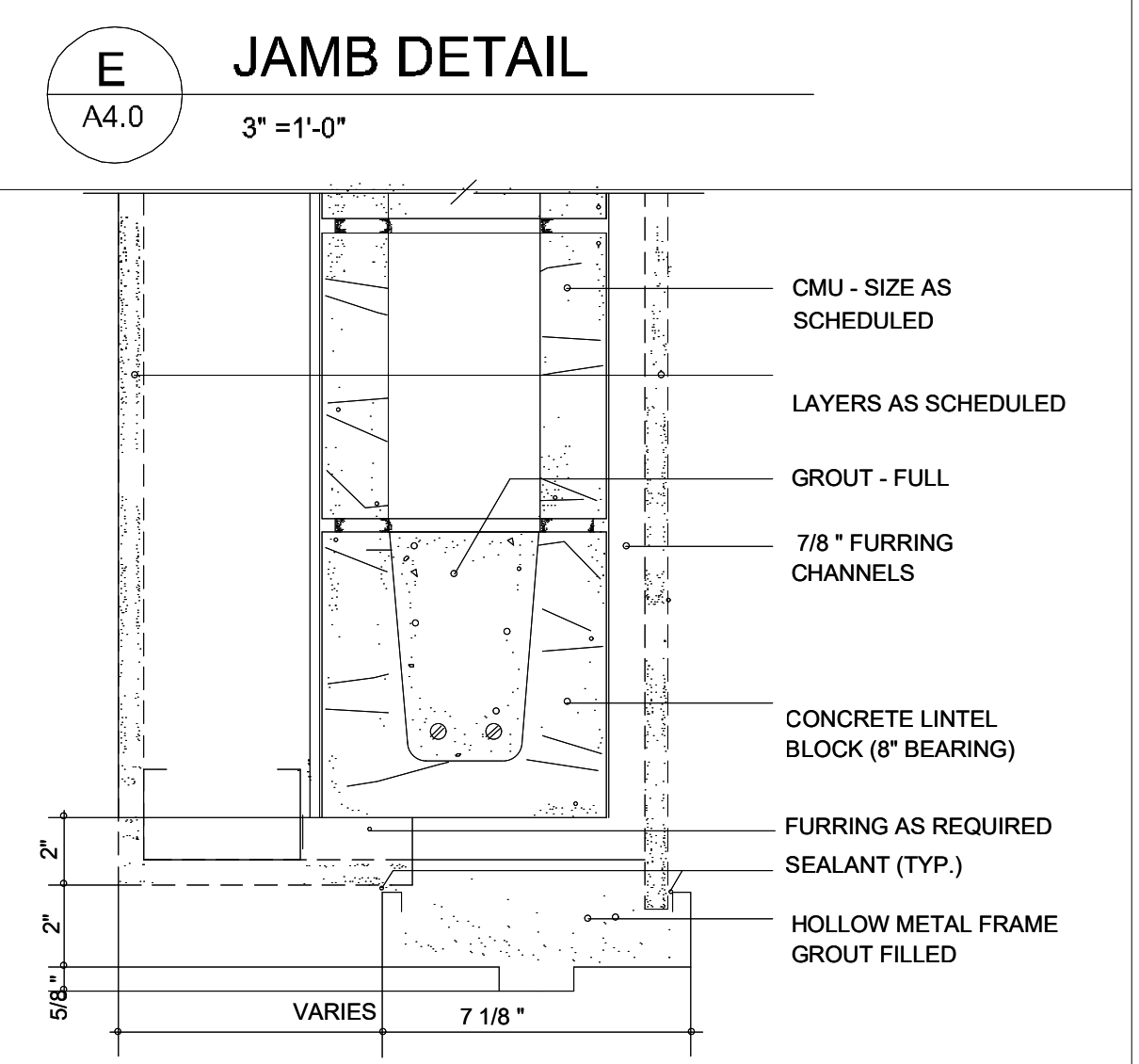
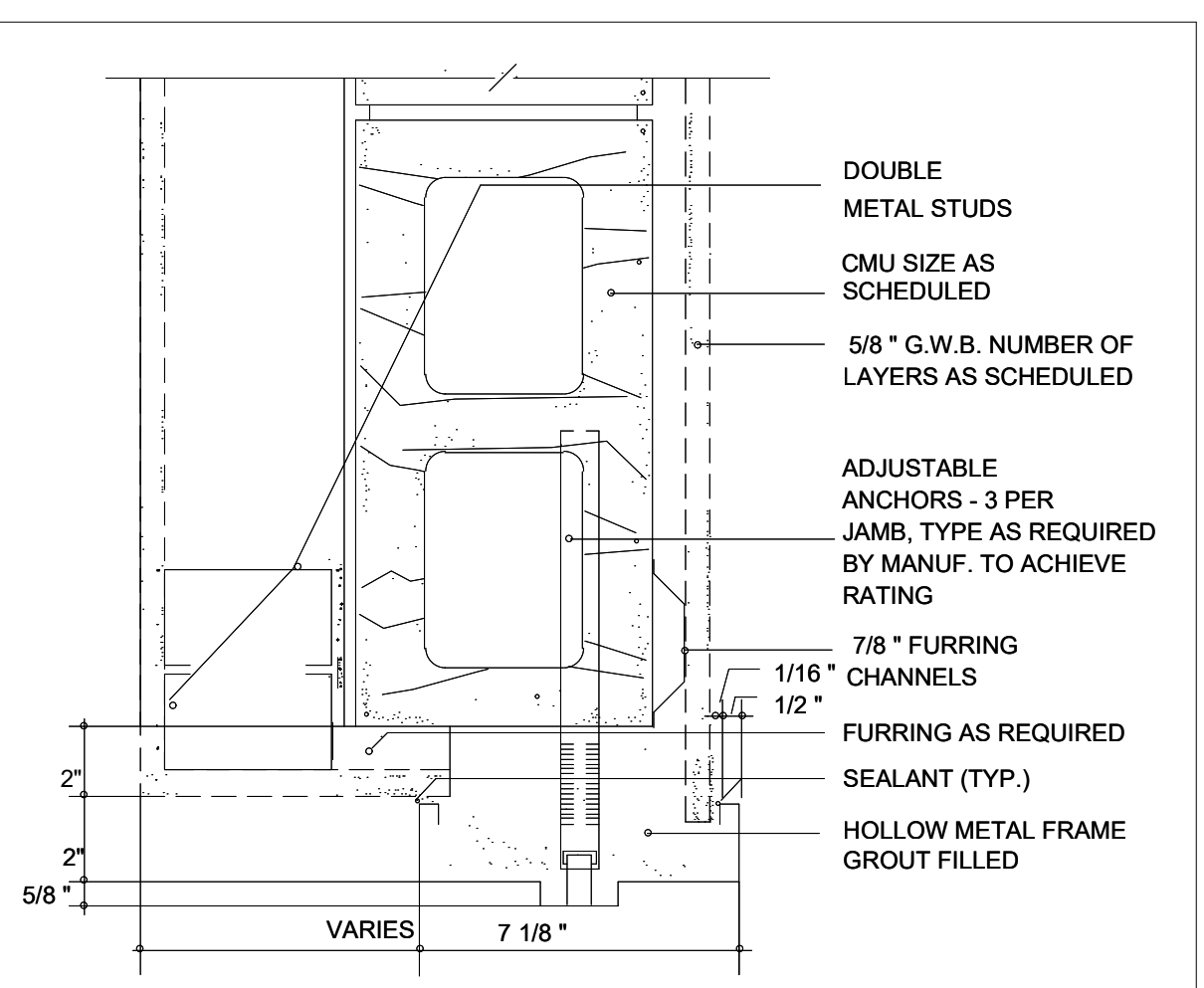
Date: 8.1.2022 Project Number: 2021-77  
 CAD File Name: 2021-77

**A-5.0**

NOTE: REFER TO TYVEK® INSTALLATION DETAILS IN SPECIFICATIONS FOR MIN. REQUIREMENTS OF FLASHING / WEATHER BARRIER METHODS.



- DOOR NOTES:
1. THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENTS AND THIS SHEET AND SHALL AT ONCE REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY OR OMISSION THAT HE MAY DISCOVER.
  2. ALL FRAMES SHALL BE CALKED CONTINUOUSLY TO THE WALL.
  3. WHEREVER THERE IS A CRACK LEFT BETWEEN THE BOTTOM OF THE DOOR FRAME AND THE FINISH FLOOR, THE CONTRACTOR SHALL PROVIDE A "PENCIL-LINE CALK" TO SEAL THIS CRACK.
  4. ALL HARDWARE SHALL CONFORM TO THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE ANSI A117.1 ACCESSIBILITY CODE, THE AMERICANS WITH DISABILITIES ACT.
  5. THE CONTRACTOR SHALL VERIFY THAT CLOSERS AND OTHER HARDWARE WILL ALLOW THE DOOR TO OPEN 180 DEGREES WHEN SUCH 180 DEGREE DOOR SWINGS ARE INDICATED ON THE FLOOR PLAN AND/OR ON THIS SHEET.
  6. REFER TO SPECIFICATIONS FOR DOOR HARDWARE

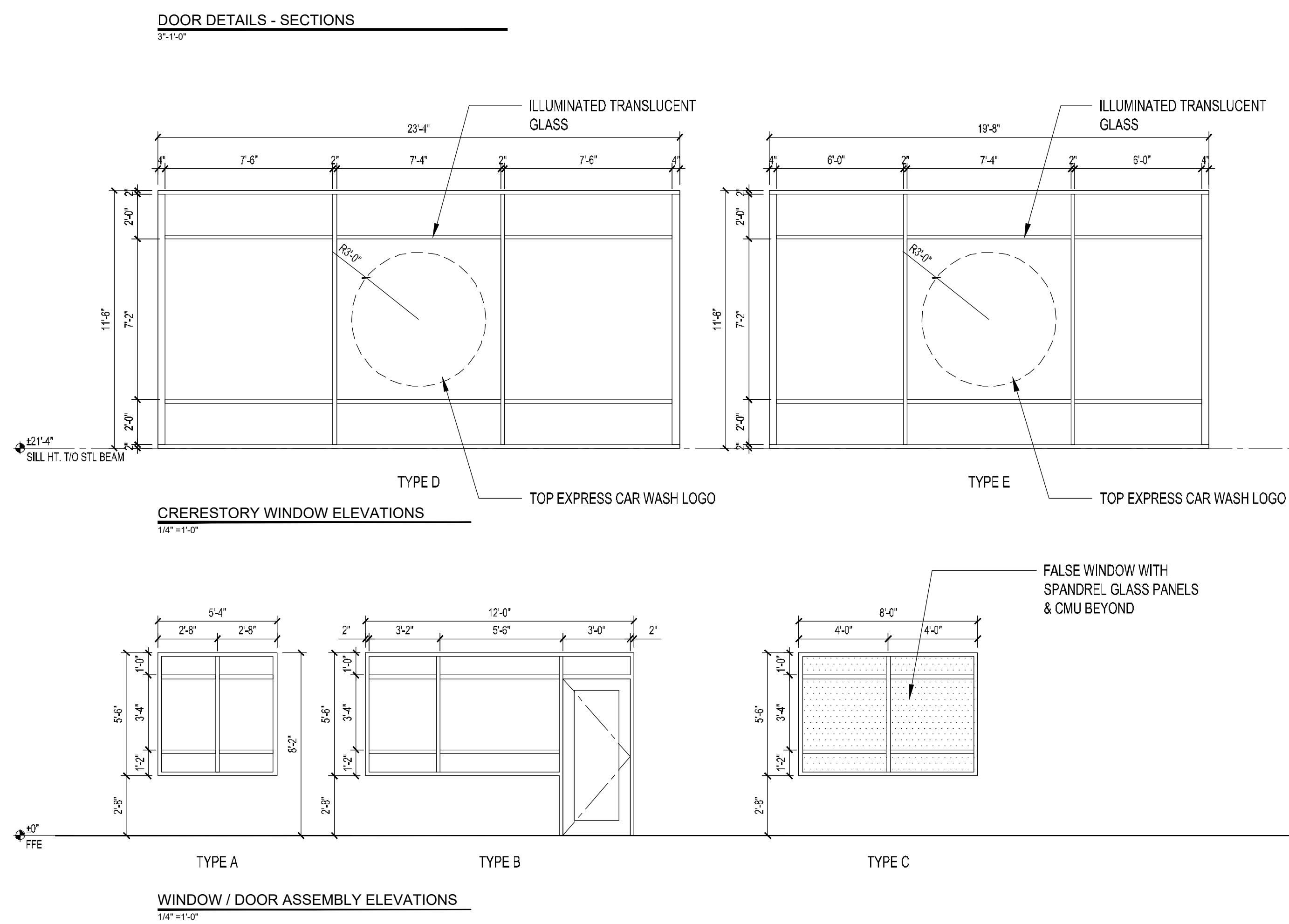


WINDOW SCHEDULE						
TYPE	SIZE		STYLE	GLAZING	FRAME	ADD. DETAILS
	WD	HGT				
A	5'-4"	5'-6"	FIXED	LOW E/INSULATED	STOREFRONT	
B	12'-0"	5'-6"	FIXED W/ DOOR	LOW E/INSULATED	STOREFRONT	
C	8'-0"	5'-6"	FIXED	LOW E/INSULATED	STOREFRONT	SPANDREL GLASS
D	23'-4"	11'-6"	FIXED	LOW E/INSULATED	STOREFRONT	CLERESTORY WITH TRANSLUCENT GLASS
E	19'-8"	11'-6"	FIXED	LOW E/INSULATED	STOREFRONT	CLERESTORY WITH TRANSLUCENT GLASS

WINDOW NOTES:  
 1. ALL GLAZING SHALL COMPLY WITH IBC 2406.4

DOOR SCHEDULE											
NO.	TYPE	SIZE		THICKNESS	STYLE	CLOSER	FIRE RATING	FRAME	LOCKSET	LOCATION	NOTES
		WD	HGT								
101A	A	PR 3'-0"	7'-0"	1 3/4"	FLUSH INSULATED METAL DOORS - BLACK	--	--	H.M.	EXTERIOR LATCH & LOCK	EQUIPMENT ROOM	PROVIDE WEATHER STRIPPING, THRESHOLD AND DRIP CAP
101B	A	3'-0"	7'-0"	1 3/4"	FLUSH METAL DOORS - BLACK	Y	--	H.M.	PASSAGE SET & LEVER	EQUIPMENT ROOM	PROVIDE WEATHER STRIPPING, THRESHOLD AND DRIP CAP
101C	A	3'-0"	7'-0"	1 3/4"	FLUSH METAL DOORS - BLACK	Y	--	H.M.	PASSAGE SET & LEVER	EQUIPMENT ROOM	
102A	B	16'-0"	12'-0"	PER MANUF.	SOLID COILING METAL DOOR - BLACK	--	--	2" ALUMINUM	MANUF. STANDARD CHAIN HOIST & LOCK	CAR WASH TUNNEL	
102B	B	12'-0"	12'-0"	PER MANUF.	SOLID COILING METAL DOOR - BLACK	--	--	2" ALUMINUM	MANUF. STANDARD CHAIN HOIST & LOCK	CAR WASH TUNNEL	
102C	C	3'-0"	7'-0"	1 3/4"	FLUSH METAL DOORS - BLACK	Y	--	2" H.M. PAINTED	PANIC	OFFICE / TUNNEL	
103	D	3'-0"	7'-0"	1 3/4"	STOREFRONT GLASS	--	--	2" H.M. PAINTED	PANIC AND THUMB TURN LOCK	OFFICE / LOBBY	
104	A	3'-0"	7'-0"	1-3/4"	FLUSH INSULATED METAL DOORS - BLACK	Y	--	2" H.M. PAINTED	PRIVACY LOCK & LEVER	RESTROOM	PROVIDE WEATHER STRIPPING, THRESHOLD AND DRIP CAP
105	A	3'-0"	7'-0"	1-3/4"	FLUSH METAL DOORS - BLACK	Y	--	2" H.M. PAINTED	PASSAGE SET & LEVER	STORAGE	
106	C	3'-0"	7'-0"	1-3/4"	SINGLE SWING, FLUSH METAL, INTERIOR - BLACK	Y	--	2" H.M. PAINTED	PASSAGE SET & LEVER	ELECT.	
107	B	10'-0"	8'-0"	PER MANUF.	SOLID COILING METAL DOOR	--	--	2" H.M. PAINTED	MANUF. STANDARD CHAIN HOIST & LOCK	MAT WASH	PROVIDE WEATHER STRIPPING, THRESHOLD AND DRIP CAP

DOOR NOTES:  
 1. ALL GLAZING SHALL COMPLY WITH IBC 2406.4  
 2. ALL DOOR HARDWARE SHALL COMPLY WITH ADA REQUIREMENTS




THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2022 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
 PALMER ENGINEERING:  
 3585 Habersham at Northlake,  
 Building N  
 Tucker, Georgia 30084  
 (770) 908-9908  
 WESTSIDE ENGINEERING:  
 5525 Interstate N. Parkway  
 Suite 200  
 Atlanta, GA 30328

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**

Scale:  
  
 08.01.22

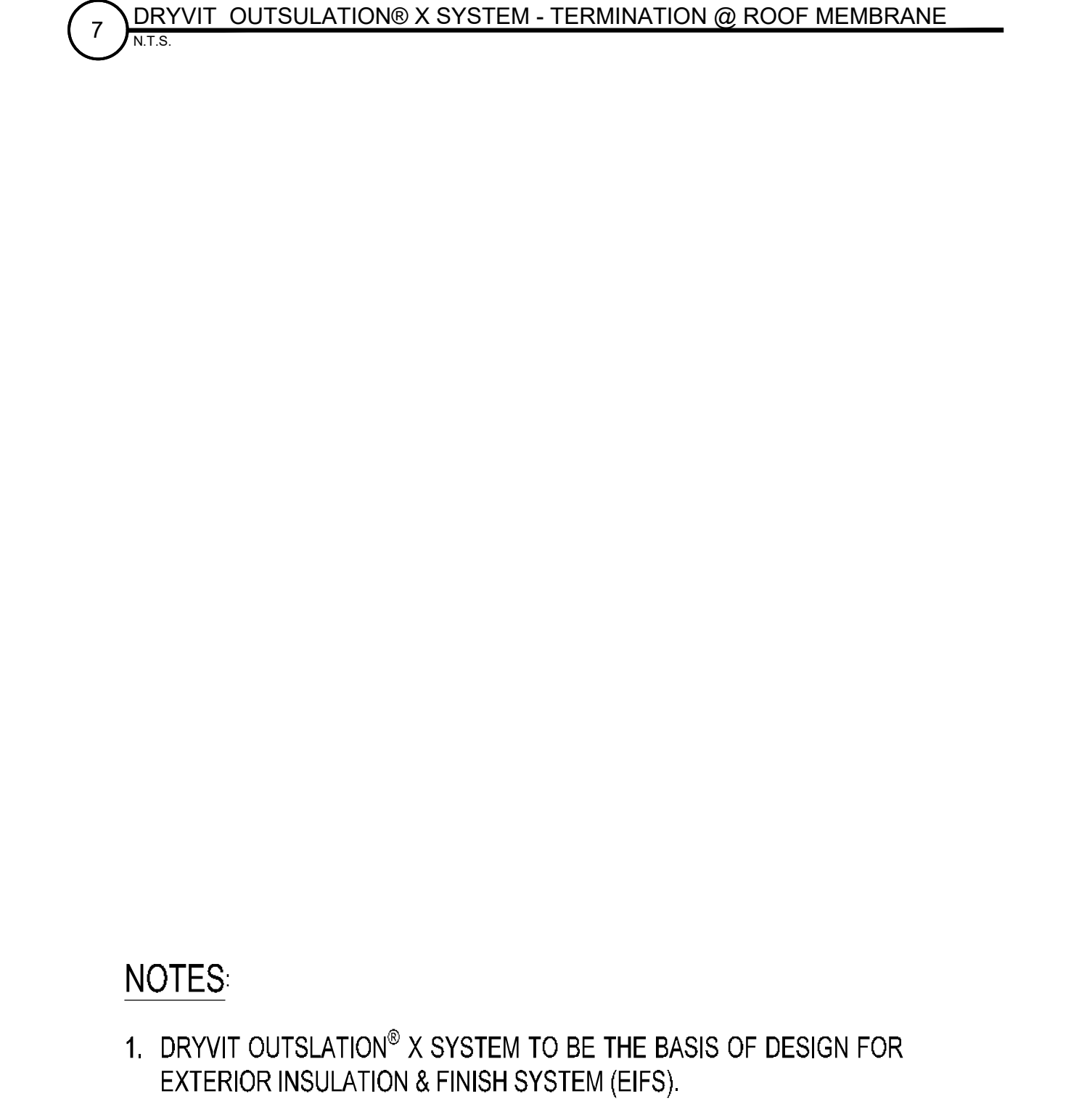
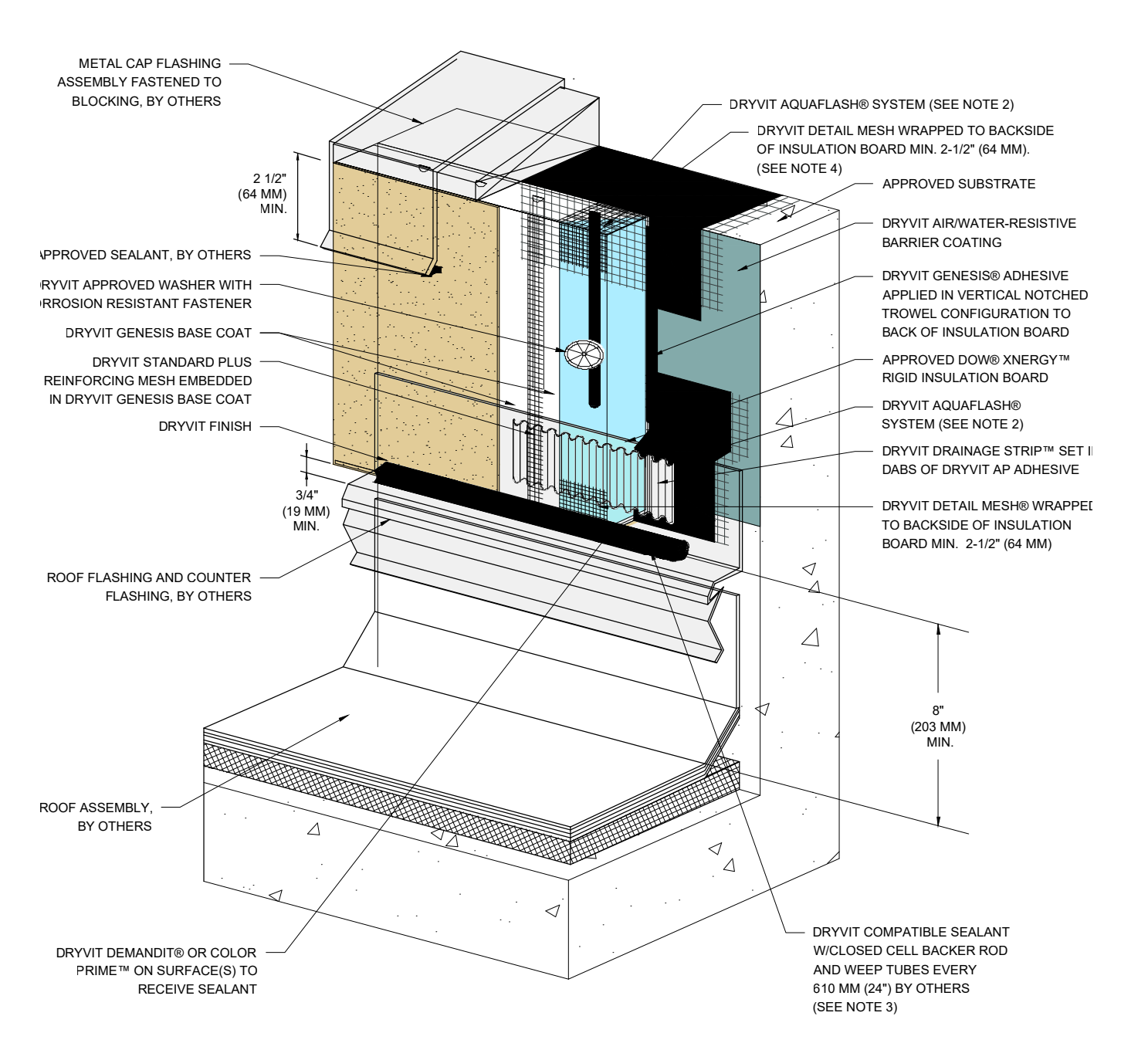
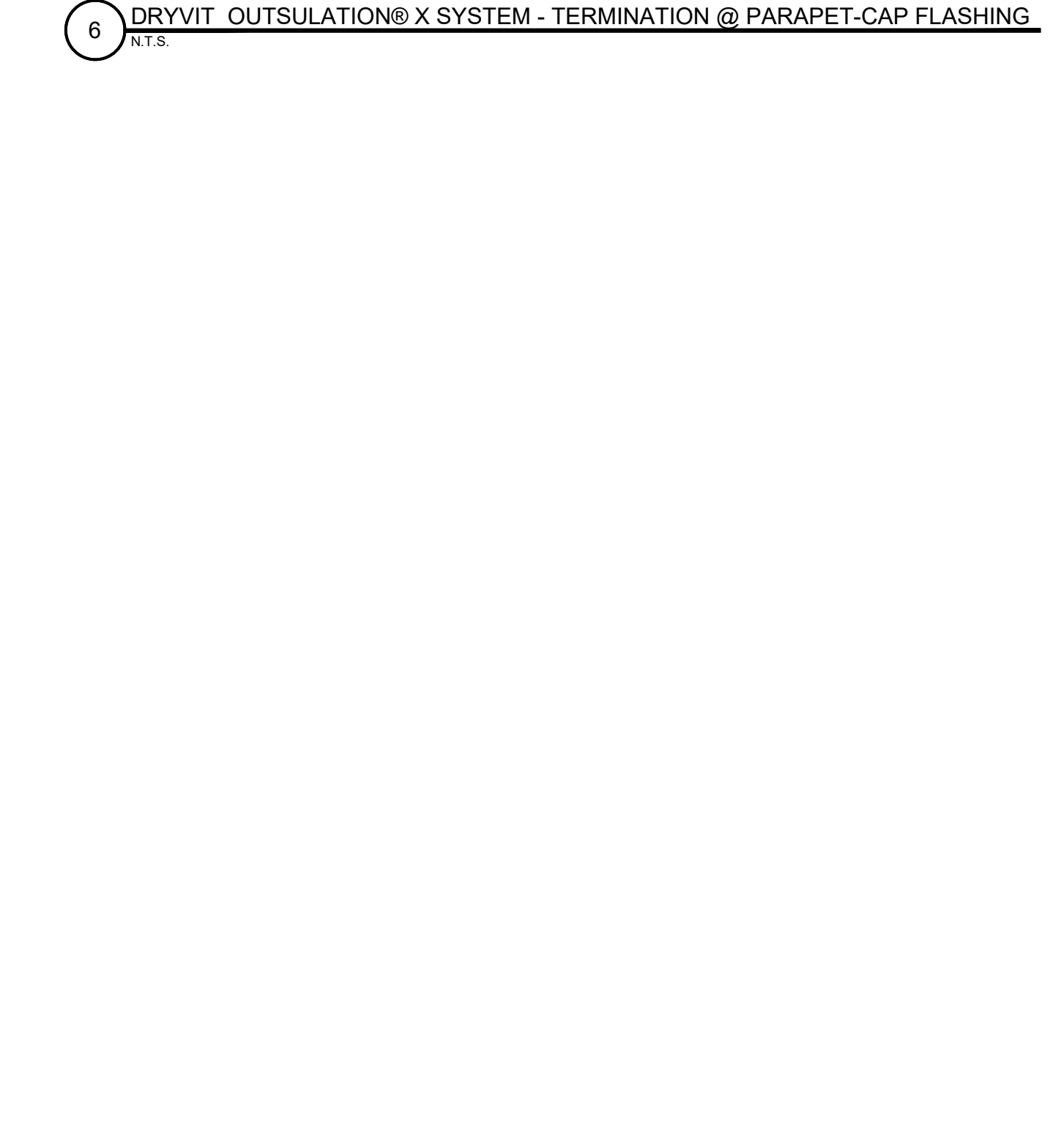
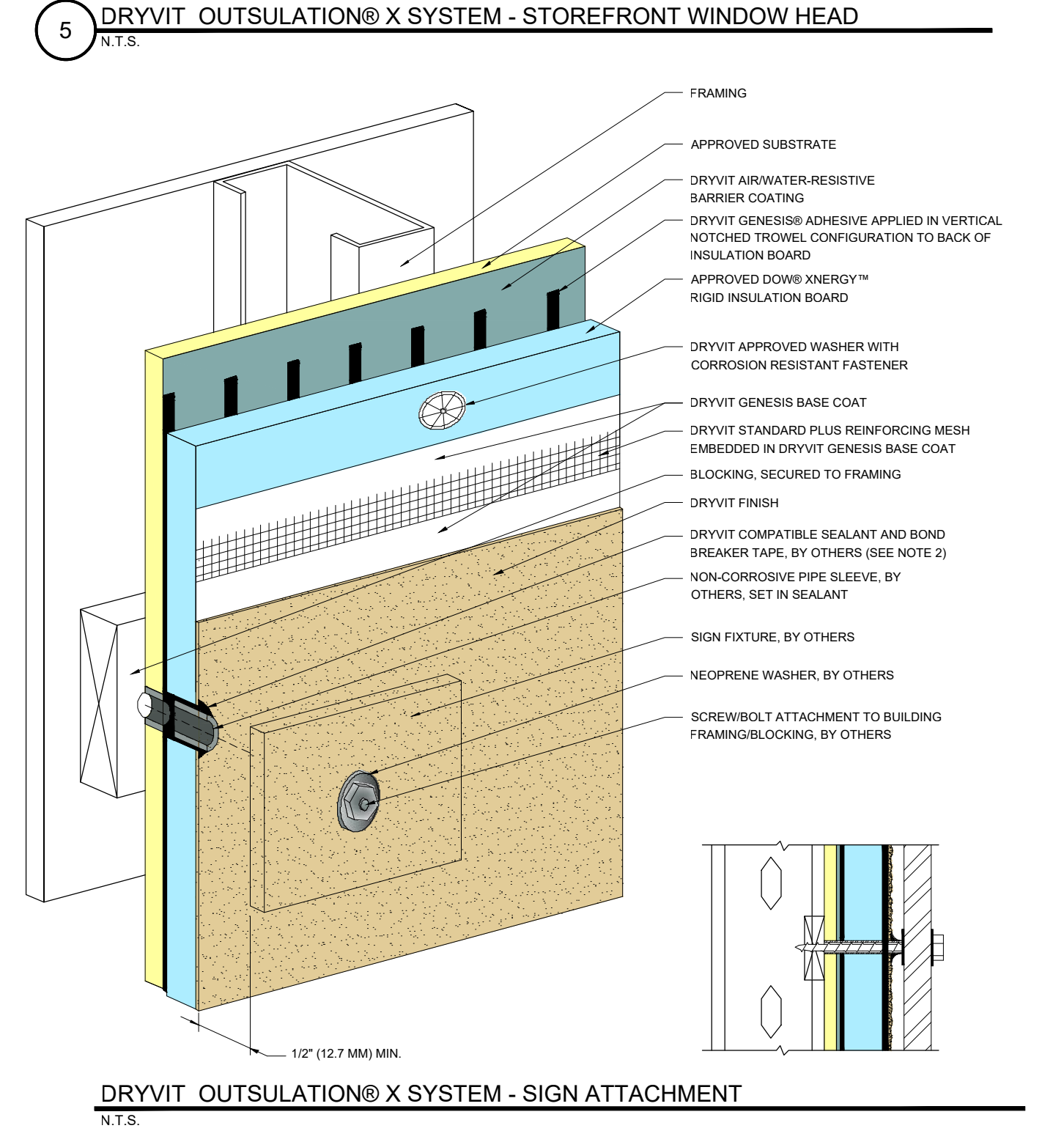
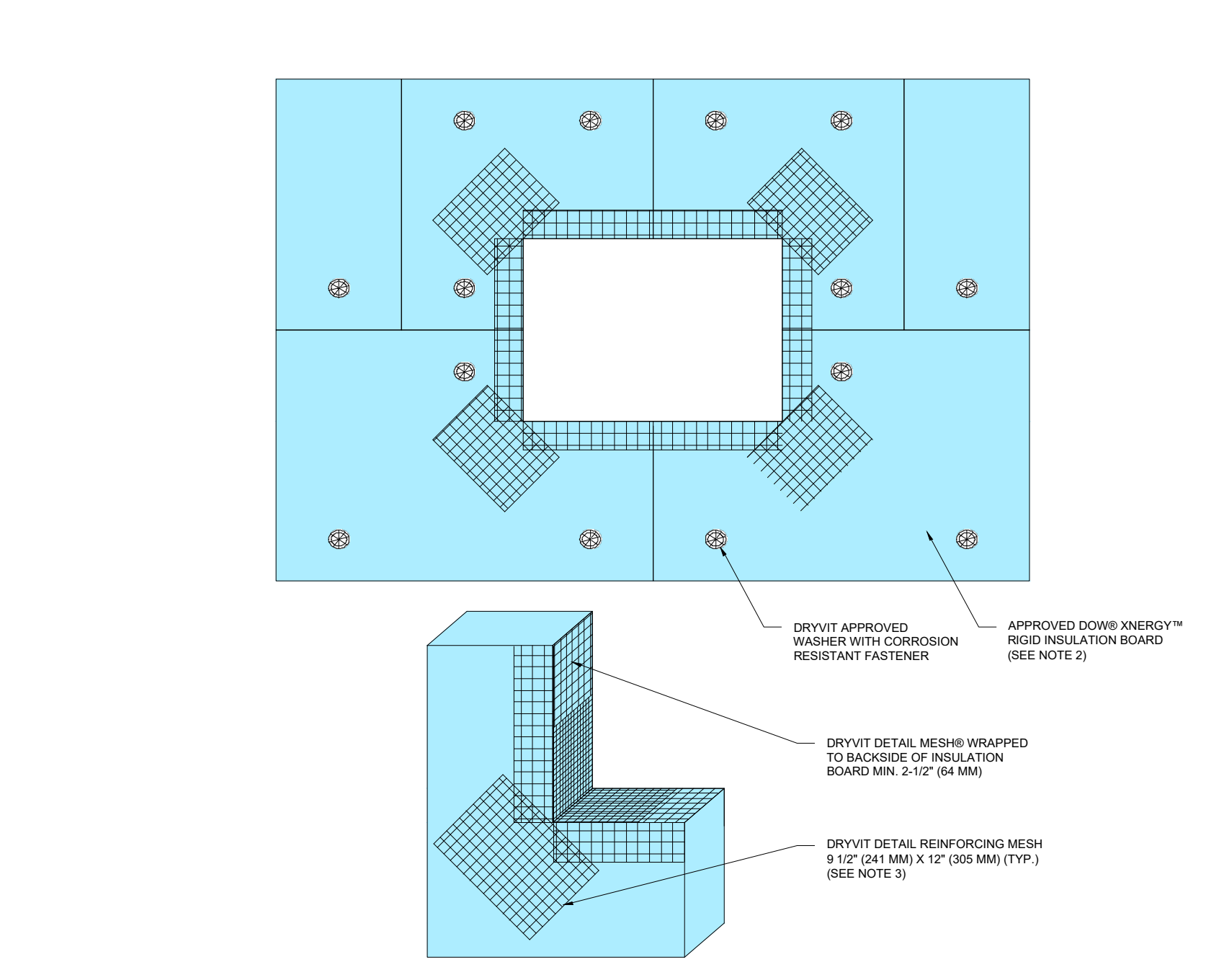
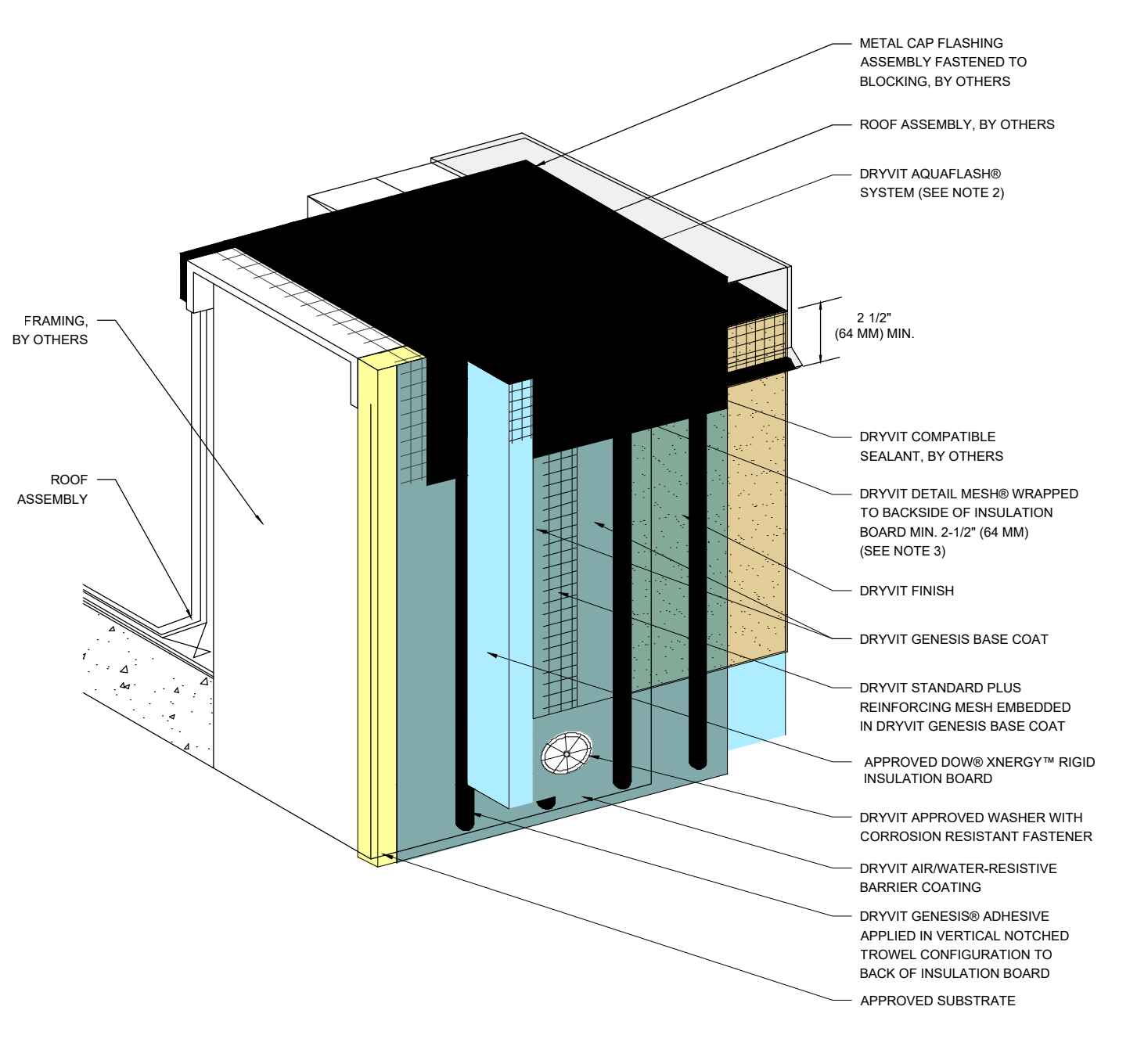
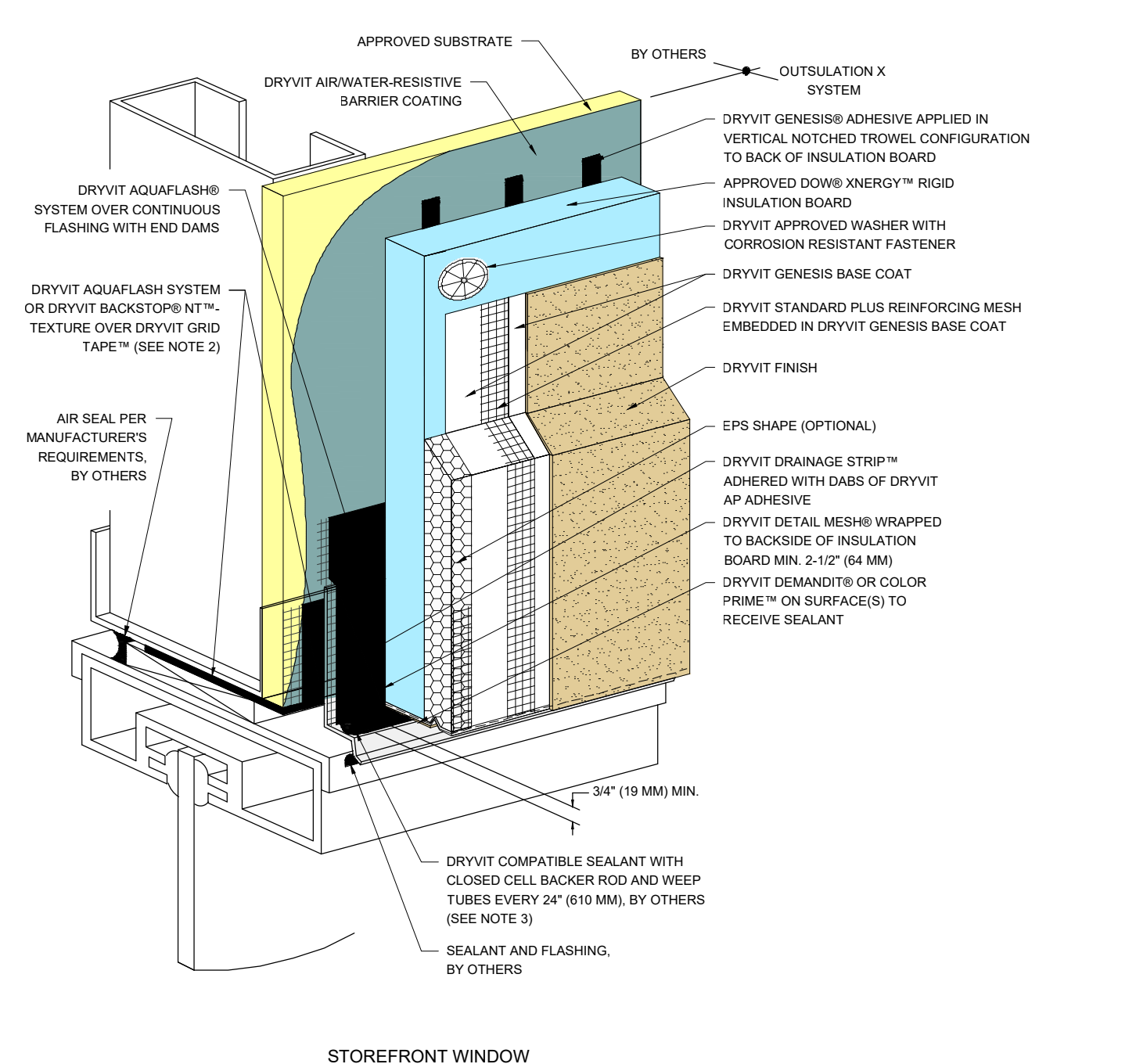
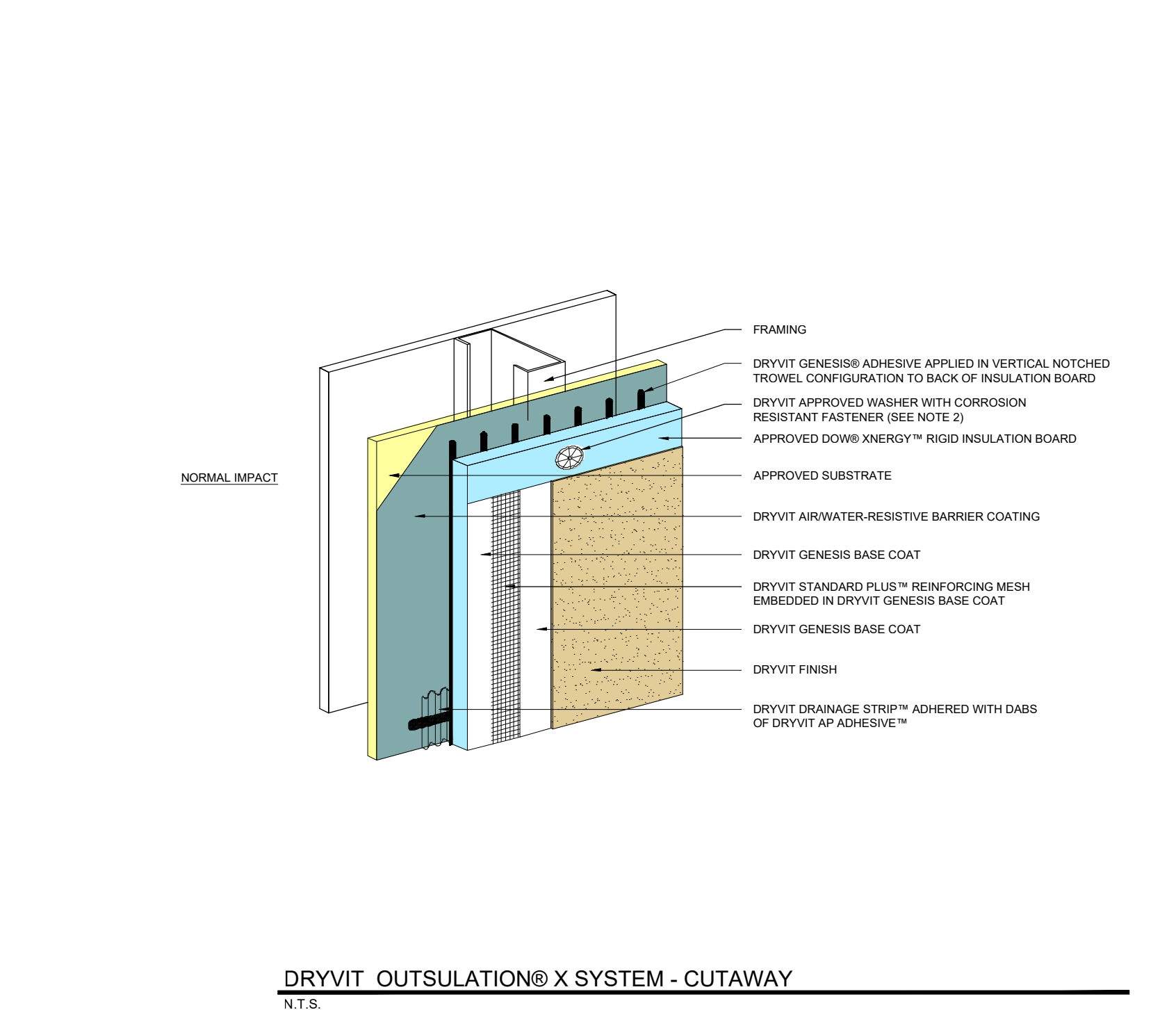
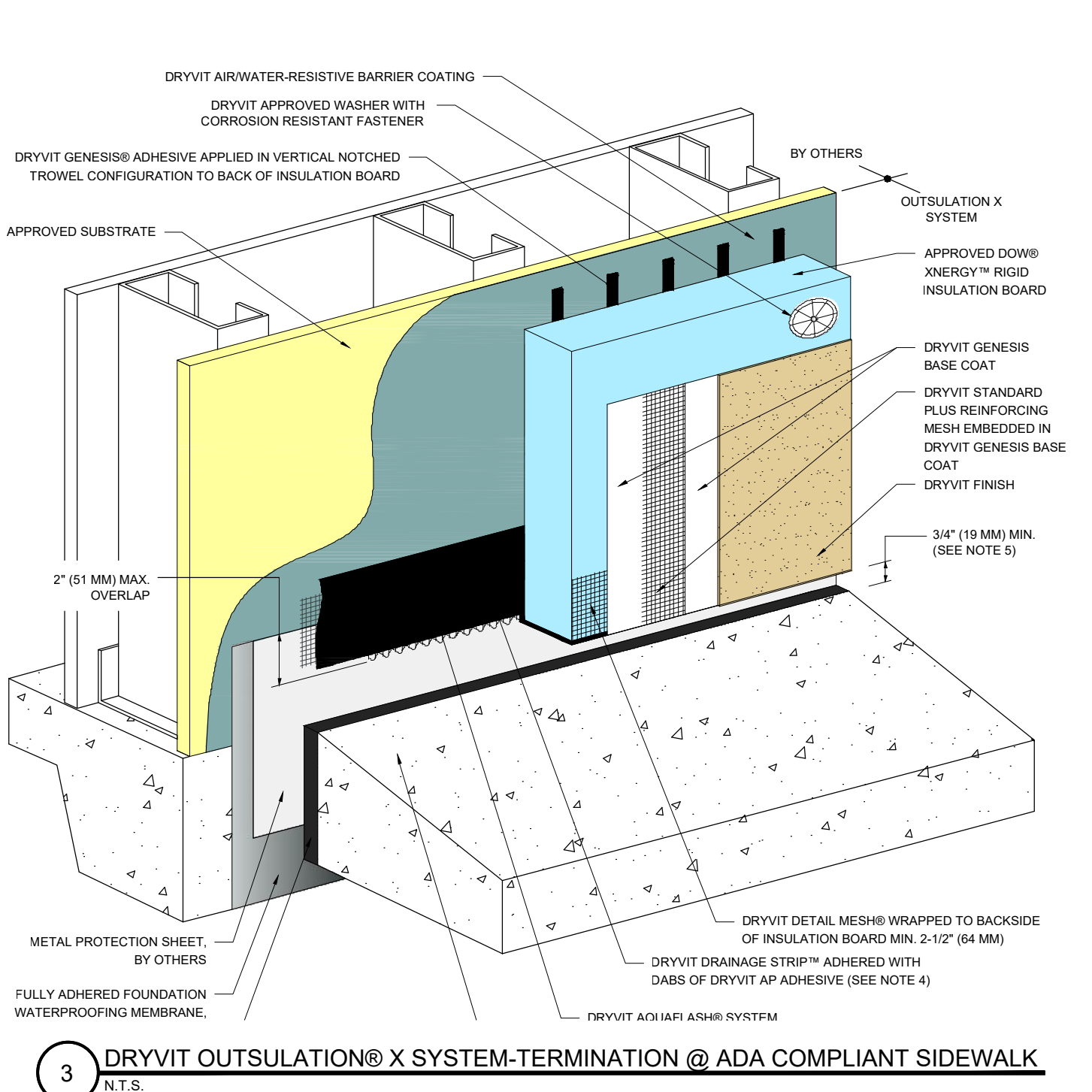
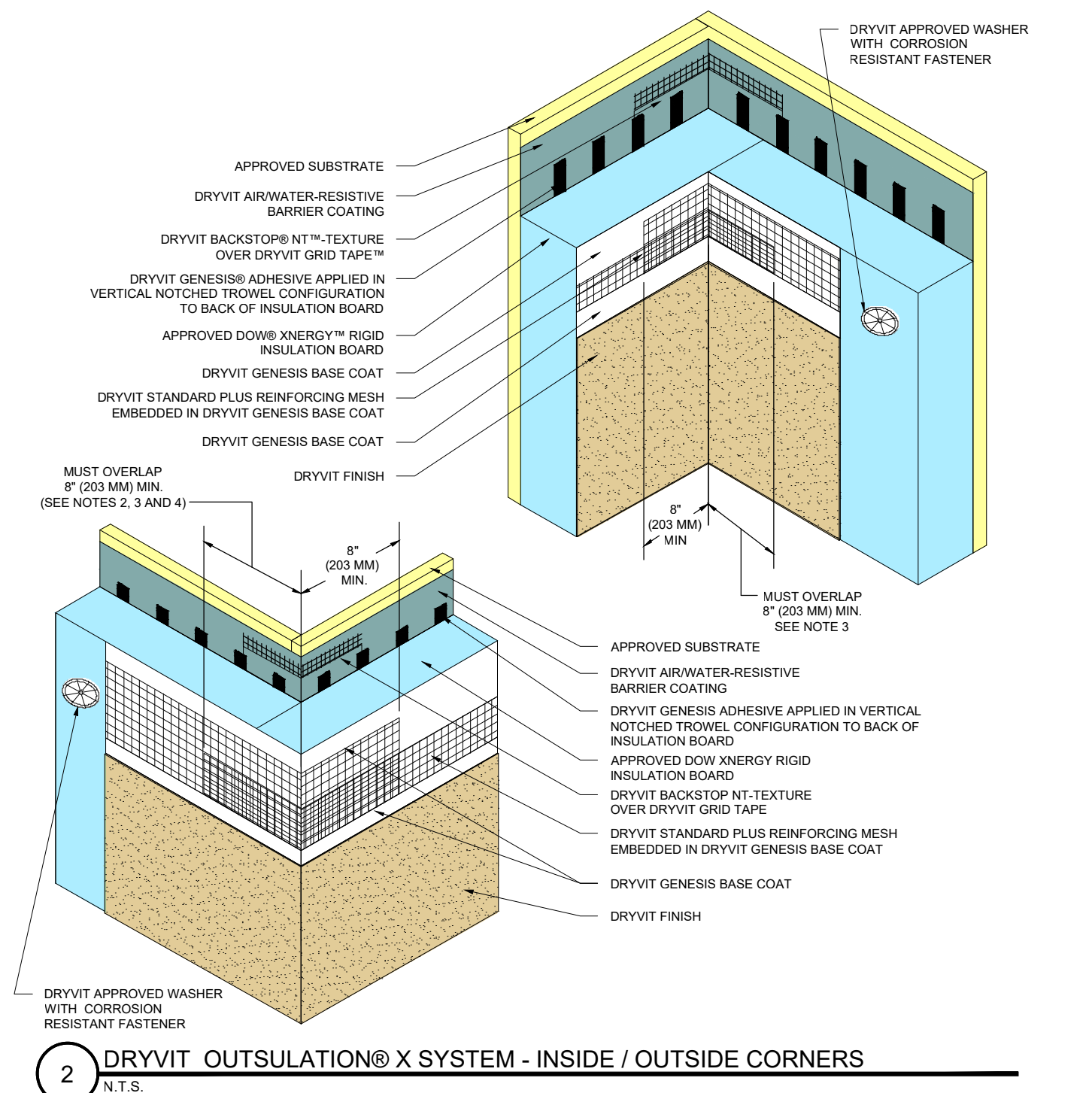
No.	Date	Issue Notes

Sheet No. 18

**EXTERIOR FINISH  
 DETAILS - EIFS**

Date: 8.1.2022  
 CAD File Name: 2021-77  
 Drawing Number: A-6.0

**A-6.0**



**NOTES:**

1. DRYVIT OUTSULATION® X SYSTEM TO BE THE BASIS OF DESIGN FOR EXTERIOR INSULATION & FINISH SYSTEM (EIFS).

**STRUCTURAL GENERAL NOTES**

**1. GENERAL**

- a. Provide construction conforming to the 2018 International Building Code with the latest Georgia State Amendments. Reference to other standards, specifications, or codes means the latest standard or code published and adopted.
- b. The structural general notes apply except where indicated otherwise on the drawings or in the specifications. A detail shown for one condition applies for all like or similar conditions even though not specifically indicated on the drawings.
- c. Verify all existing conditions, dimensions, and elevations before starting work. Notify the Architect and Structural Engineer of Record in writing of any discrepancy.
- d. The structure is able to resist design loads only when structural work is complete. During construction, the structure is not self-supporting. The Contractor is solely responsible for the design, adequacy, and safety of erection bracing, shoring, temporary supports, and all other means, methods, techniques, sequences, and procedures of construction.
- e. Coordinate the structural contract documents with documents from architectural, mechanical, electrical, plumbing, civil, and all other consultants. Notify the Architect and Structural Engineer of Record in writing of any conflict and/or omission.
- f. Coordinate and verify floor and roof opening sizes and locations with architectural, mechanical, plumbing, and electrical drawings. For additional openings not shown on the structural drawings refer to the architectural and mechanical drawings.
- g. Review of the submittals and/or shop drawings by the Structural Engineer of Record is only for general conformance with the contract documents and does not relieve the Contractor of the responsibility to review and check shop drawings before submittal to the Structural Engineer of Record. The Contractor must review and stamp all submittals prior to submission. The Contractor remains solely responsible for errors and omissions associated with the preparation of shop drawings as they pertain to member sizes, details, and dimensions specified in the contract documents. Do not begin fabrication until shop drawings are completed and reviewed by the Structural Engineer of Record.
- h. Electronic drawing files or model files will not be provided to the Contractor or subcontractors, unless agreed to otherwise for additional costs.
- i. Do not make shop drawings using reproductions of the contract documents or referencing the contract documents.
- j. Provide an allowance of 10% of all structural materials including labor to be fabricated and placed during progress of work as may be directed by the Structural Engineer of Record in addition to all structural materials indicated on the contract documents. Credit any unused quantity to the owner at the end of the project.

**2. REINFORCED CONCRETE**

- a. Provide reinforced concrete conforming to the following standards:
  - ACI 301-16, Specifications for Structural Concrete for Buildings
  - ACI 318-14, Building Code Requirements for Structural Concrete
  - ACI 302.1R-15, Guide for Concrete Floor and Slab Construction
  - ACI 360R-10, Guide to Design of Slabs-on-Ground
- b. All concrete shall be normal weight 3000 psi compressive strength at 28 days unless noted otherwise. Provide concrete with maximum water-to-cementitious material ratio of 0.50.
- c. Unless noted otherwise, provide concrete with the following minimum Exposure Classes, Type, minimum 28-day compressive strengths, and maximum water-to-cementitious materials ratio:
 

Location	Exposure Class	Type	Strength	w/cm
Foundations	F0 S0 P0 C1	Normal Weight	3000 PSI	0.55
Ext. Slabs on Grade	F3 S0 P0 C2	Normal Weight	5000 PSI	0.40
Int. Slabs on Grade	F0 S0 P0 C1	Normal Weight	3000 PSI	0.55
- d. For Exposure Classes F1, F2, and F3, provide entrained air by volume in concrete based on ACI 318 Table 4.4.1, shown below:
 

Nominal Maximum Aggregate Size, in.	Exposure Class F1	Exposure Class F2 and F3
3/8	6	7.5
1/2	5.5	7
3/4	5	6
1	4.5	6
1 1/2	4.5	5.5
2	4	5
3	3.5	4.5
- e. Fully document and submit for review the proposed materials and mix design for all concrete. The Contractor is responsible for obtaining the required design strength. All concrete test data must be available at the job site.
- f. The use of calcium chloride, chloride ions, or other salts is not permitted.
- g. Place concrete at a slump of 5" ± 1".
- h. Unless noted otherwise, provide construction or contraction joints in slabs-on-grade such that the maximum area between joints does not exceed 225 square feet with the length not exceeding twice the width.
- i. Unless noted otherwise, provide construction or contraction joints in elevated slabs on metal deck (including topping slabs but not including composite slabs) such that the maximum area between joints does not exceed 225 square feet with the length not exceeding twice the width.
- j. The location of construction joints requires the approval of the Structural Engineer of Record. Unless noted otherwise, thoroughly roughen by mechanical means and clean construction joints.
- k. Chamfer or round all exposed corners a minimum of 3/4".
- l. Detail concrete reinforcement according to ACI SP-66 detailing manual. Submit shop drawings for approval, showing all fabrication dimensions and locations for placing concrete reinforcing and accessories. Do not begin fabrication until shop drawings are completed and reviewed by the Structural Engineer of Record. Unless specifically approved otherwise, detail all concrete walls and beams in elevation.
- m. Unless noted otherwise, provide reinforcing steel conforming to ASTM A615, Grade 60.
- n. Provide welded wire fabric mesh in flat sheets conforming to ASTM A1064. Rolls are not permitted. Lap welded wire fabric a minimum of 6" at each splice.
- o. Tie all reinforcing steel and embedded items securely in place prior to placing concrete. Provide sufficient supports to maintain the position of the reinforcement within specified tolerances during all construction activities. "Sticking" dowels, anchor rods, or other embedded items into wet concrete is not permitted.
- p. Provide corner bars at all corners and intersections of all footings.
- q. Lap concrete reinforcing as shown in the "Concrete Lap Splice Length Schedule."
- r. The placement of all reinforcing steel must be reviewed by a Professional Engineer registered in the Project State or by a representative responsible to him per ACI 318, 1.3.1.
- s. Unless noted otherwise, provide the following concrete cover on all reinforcing steel:
  - Concrete against earth (not formed): 3"
  - Formed concrete exposed to earth or weather:
    - #6 through #18 bars: 2"
    - #5 bars and smaller: 1 1/2"
- t. Do not place pipes or ducts with a maximum dimension exceeding one-third the slab or wall thickness within the slab or wall unless specifically shown and detailed on the structural drawings.
- u. Do not weld or tack weld reinforcing steel unless approved or directed by the Structural Engineer of Record.

**3. MASONRY**

- a. Provide concrete masonry conforming to the following standards:
  - TMS 402-16, Building Code Requirements for Masonry Structures
  - TMS 602-16, Specifications for Masonry Structures
- b. Load bearing masonry walls are designed in accordance with Part 2 and Chapter 8 of TMS 402.
- c. Provide brick veneer in accordance with Chapter 12 of TMS 402.
- d. Provide light-weight, hollow, load bearing concrete masonry units conforming to ASTM C90 with a compressive strength of masonry (f<sub>m</sub>) of 1500 PSI and a net strength of 2000 PSI on the net cross-sectional area of CMU determined in accordance with ASTM C140.
- e. Provide mortar conforming to ASTM C270, Type M or S. Standard mortar bed joint thickness is 3/8" and must not exceed 5/8".
- f. Unless noted otherwise, provide grout for reinforced masonry conforming to ASTM C476 with minimum compressive strength of 2500 PSI. Pea gravel concrete with a minimum compressive strength of 3000 PSI may be substituted for grout only with approval of the Structural Engineer of Record.
- g. Unless noted otherwise, lay masonry units in running bond.
- h. Provide ladder type horizontal joint reinforcing conforming to ASTM A1064. Unless noted otherwise, place 9 gage or heavier, zinc coated ladder type horizontal joint reinforcing at 16" on center. Lap horizontal joint reinforcing minimum 12". Use prefabricated 'L's and 'T's at corners and intersections.
- i. For grouted walls, the maximum height of grout lifts must not exceed 5'-0". The maximum ungrouted height of 8" or thicker CMU walls prior to grouting must not exceed 12'-0". Refer to Table 6 of TMS 602 for the maximum ungrouted height of CMU walls thinner than 8". Consolidate and reconsolidate grout in accordance with Section 3.5.E of TMS 602. Walls higher than 5'-0" must have inspection holes at the base of the wall.
- j. Lap vertical masonry wall reinforcing in 8" CMU (f<sub>m</sub> = 1500 PSI) as follows:
  - #4 Bars 20"
  - #5 Bars 25"
  - #6 Bars 30"
- k. Provide vertical control joints in all masonry walls not retaining earth. Unless noted otherwise on the architectural drawings, place vertical control joints at three times the wall height, but not closer than 25'-0" on center or farther than 50'-0" on center.
- l. Unless noted otherwise, provide minimum (1) #5 vertical bar, grouted full height, at each side of openings and at all corners and ends of walls, including both sides at ends of wall panels at vertical control joints.
- m. Unless noted otherwise, anchor sides and tops of masonry wall panels to the structure by dovetail anchors, metal straps, or equivalent.
- n. Place ties for brick veneers at not more than 16" vertically or 24" horizontally.

**4. STRUCTURAL STEEL**

- a. Provide structural steel detailing, fabrication, and erection conforming to the following standards:
  - AISC 303-16, Code of Standard Practice for Structural Steel Buildings and Bridges
  - AISC 325-17, Steel Construction Manual, 14<sup>th</sup> Edition
  - AISC 326-09, Detailing for Steel Construction, 3<sup>rd</sup> Edition
  - AISC 360-16, Specification for Structural Steel Buildings
  - AWS D1.1-15, Structural Welding Code - Steel
- b. Provide steel shapes made of material conforming to the following standards, unless noted otherwise:
  - Wide Flange Shapes and WT Shapes: ASTM A992
  - Angles and Channels: ASTM A36
  - Plates: ASTM A572, Grade 50
  - Hollow Structural Sections (HSS): ASTM A500, Grade C
  - Headed Studs: ASTM A108, Grade 1010 - 1020
- c. Unless noted otherwise, provide anchor rods for cast-in-place conditions in concrete that conform to ASTM F1554, Grade 36 or Grade 55-S1. Unless noted otherwise, install connections so they are snug-tight.
- d. Unless noted otherwise, provide anchors for post-installed conditions in concrete that conform to manufacturer's requirements. Install connections so they are pre-tensioned per manufacturer's specifications.
- e. Unless noted otherwise, make all connections with 3/4" minimum diameter ASTM F3125 Grade A325 bolts with threads included in the shear plane. Unless noted otherwise, install connections so they are pre-tensioned. Calibrate tightening methods used so they are in conformance with Section 8, Installation and Tightening of RCSC "Specification for Structural Joints using High Strength Bolts", 2014. Use one of the following tightening methods: calibrated wrench, direct tension indicator, or alternative bolt with twist off element. Do not use turn of the nut method, unless continuously observed by testing agency.
- f. Make all welded connections in accordance with AWS D1.1, using type E70XX electrodes. Use only certified welders. Proof of certification must be maintained at the job site.
- g. Unless specifically detailed on the plans or on the "Steel Beam Reaction Shear Connection Schedule", provide the following beam connections:
  1. Where beam reactions are shown, provide connections to develop the reaction shown.
  2. Where beam reactions are not shown, provide connections to develop one-half the total uniform load capacity shown in the Maximum Total Uniform Load Tables, in Part 3 of the Steel Construction Manual.
  3. Where reactions are subject to eccentricity, the eccentricity must be accounted for.
- h. Submit shop drawings prepared in accordance with AISC 326. Provide complete welding information using AWS symbols. Use prequalified welded joints per the Steel Construction Manual and AWS D1.1. Do not begin fabrication until shop drawings are completed and reviewed by the Structural Engineer of Record.
- i. The design of special connections between steel framing components (including but not limited to braced end connections, moment-resisting connections, modified beam seat connections, and member splice connections) not designed by the Structural Engineer of Record must be performed by a Professional Engineer registered in the Project State.
- j. Do not use gas cutting torches to correct fabrication errors in structural steel framing.
- k. Provide temporary bracing for structural steel framing until all permanent bracing, moment connections, and floor/roof decks (diaphragms) are completely installed.
- l. Unless noted otherwise by specifications or drawings, coat steel as follows:
  - Steel lintels and brick moldings: G60 galvanized finish
  - Steel enclosed in concrete, steel enclosed in walls, surfaces to receive fireproofing, connections designated as friction type, surfaces to be welded, or surfaces receiving welded studs or DBAs in the field: Cleaned bare steel
  - Remainder: Primed with exterior or interior steel ship coating to 3 mils thickness.
- m. Unless noted otherwise by the Architect, consider steel that is exposed to the public to be Architecturally Exposed Structural Steel (AESS) and should be fabricated per those requirements.

**5. PLATE CONNECTED WOOD TRUSSES**

- a. Provide wood trusses connected with cold formed steel plates designed and fabricated in accordance with the following standards:
  - ANSI/AWC NDS-18, National Design Specification for Wood Construction
  - ANSI/TPI 1-2014, National Design Standards for Metal Plate Connected Wood Truss Construction
- b. The maximum allowable duration factor for short term loading is 1.25.
- c. Truss Design Loads:
  - Roof Trusses:
    - Top Chord LL = 20 PSF
    - Top Chord DL = 15 PSF
    - Mechanical LL = 10 PSF
    - Bottom Chord DL = 10 PSF
    - Total Load = 55 PSF
- d. Design Trusses to accommodate the loads indicated above with the following deflection criteria:
  - Total Load Deflection: L/240
  - Live Load Deflection: L/360
- e. Design trusses for wind and seismic loads (in addition to the loads indicated above) acting in the plane of the truss (calculated per sections 1609 and 1613 of the 2018 International Building Code) and/or any axial forces specified on the drawings.
- f. Handle, install, and brace plate connected wood trusses in accordance with Building Component Safety Information (BCSI) Summary Sheets B1, B2, and B3.
- g. Provide 'X' or 'V' bridging at 8'-0" on center for all floor trusses and roof trusses. Provide 2x4 bridging material on roof trusses, and provide 1x4 bridging material on floor trusses.
- h. Coordinate the location of roof mechanical units, access doors, and duct runs with individual truss geometry.
- i. Design trusses for the weight of mechanical units in addition to the loads indicated above.
- j. The design of connections between wood trusses and the supporting structure is based on preliminary design. Connectors are shown for informational purposes only. Final sizes and spacing will be based on final reactions provided by the truss manufacturer. Unless the truss manufacturer specifies a stronger connector, provide the connector indicated in the contract documents.
- k. Provide double top chords for flat trusses at walls.
- l. Where truss member sizes specifically indicated on plans, sections, or details exceed the size required by analysis, provide the larger member indicated in the contract documents.
- m. Submit shop drawings for each truss indicating the design loads and spacing sealed by a Professional Engineer registered in the Project State. Provide a layout plan indicating the location of each truss and all bridging. The layout plan must conform to the layout indicated on the structural contract documents. Do not begin fabrication until shop drawings are completed and reviewed by the Structural Engineer of Record.

**6. OTHER COMPONENTS**

- a. Provide shop drawings for construction of all applicable specialty items including but not limited to concrete pilings, curtain wall glazing systems, light gauge steel framing, ornamental guardrails, guards, handrails, pre-engineered wood trusses, skylights, and signage. Shop drawings must indicate the required materials, sizes, and locations for all posts and pickets including anchorage at the base of the posts. Shop drawings must be sealed by a Professional Engineer registered in the Project State.
- b. Provide curtain wall glazing system shop drawings that clearly indicate the attachment to the structure on all sides of the exterior glazing system required to adequately resist the applicable wind design pressures.
- c. The Glazing Contractor must provide engineering calculations to document compliance with 2018 International Building Code, Sections 2403.2 through 2403.4 for butt joined glazing.

**7. FOUNDATIONS**

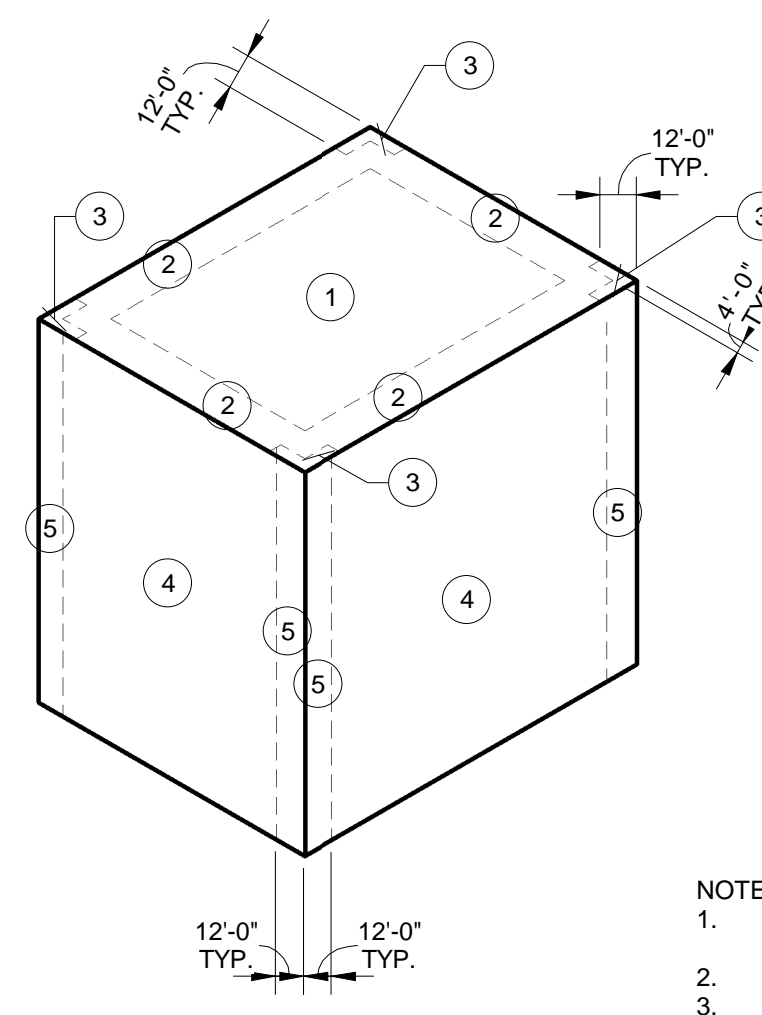
- a. The design of foundations, retaining walls, and slabs-on-grade is based on the following presumed criteria:
  - Allowable Soil Bearing Pressure: 2000 PSF
  - Coefficient of Sliding Friction: 0.25
  - Soil Density: 110 PCF
- b. Redesign of foundations may be required if the actual conditions are different than the values listed above. The following conditions could also result in redesign of foundations: presence of expansive soils, high water table, potential for large settlements, or any other recommendations stated by a Geotechnical Engineer.
- c. A Geotechnical Engineer must verify the condition and/or adequacy of all subgrades, fills, and backfills prior to the placement of foundations, footings, slabs, walls, etc.
- d. If any interference appears between existing foundations and the specified design, notify the Architect so that the foundations may be redesigned as required.
- e. Coordinate top of footing elevations with the requirements of other trades including but not limited to plumbing, mechanical, or electrical.
- f. Place all column footings and wall footings monolithically with adjacent footings at the same elevation.
- g. All footings must bear on original undisturbed soil where possible.
- h. Remove all organic soils and replace with clean structural fill at the direction of the Geotechnical Engineer.
- i. Place fill soils in 10" maximum (loose) lifts at moisture contents within 4% of optimum moisture content. Compact all fill within 10'-0" of the following minimum densities:
  - Within 18" of finished grade: 98% of maximum Standard Proctor
  - Below 18" of finished grade: 95% of maximum Standard Proctor
- j. Field density tests must be made as described by the Geotechnical Engineer to verify adequate compaction and design bearing pressure.
- k. Sides of foundations must be formed unless conditions permit earth forming. Foundations placed against the earth require the following precautions: slope sides of excavations as approved by the Geotechnical Engineer and clean up sloughing before and during concrete placement.
- l. Where footing steps are necessary, slope no steeper than one vertical to two horizontal.
- m. Do not backfill against basement walls (walls supported at the top and bottom) until slabs, framing, and diaphragms are in place to provide support at top and bottom of wall. Concrete diaphragms must reach 65% of their design 28 day compression strength prior to backfilling.
- n. Deposit backfill evenly against both sides of the wall until the lower finished grade is reached.
- o. Unless noted otherwise, place all slabs on grade on a 10 mil polyethylene vapor retarder and a crushed stone base over a properly compacted subgrade. Lap joints of vapor retarder a minimum of 6 inches and seal watertight by taping edges and ends.

**8. DESIGN LOADS**

- a. Live Loads:
  - Roof: 20 PSF
  - Roof: 20 PSF
- b. Dead Loads:
  - Roof: 20 PSF
  - Roof: 20 PSF
- c. Wind Design Data:
  1. Risk Category: Category II
  2. Exposure Category: Exposure C
  3. Basic Design Wind Speed, V: 106 MPH
  4. Allowable Stress Design Wind Speed, V<sub>sd</sub>: 82 MPH
  5. Enclosure Classification: Enclosed Building
  6. Internal Pressure Coefficient: ± 0.18
  7. Components and Cladding Pressures: See Table
- d. Seismic Design Data:
  1. Risk Category: Category II
  2. Seismic Importance Factor: I = 1.0
  3. Mapped Spectral Response Accelerations: S<sub>s</sub> = 0.193g, S<sub>1</sub> = 0.086g
  4. Site Class: Site Class D - default
  5. Spectral Response Coefficients: S<sub>ds</sub> = 0.206g, S<sub>d1</sub> = 0.138g
  6. Seismic Design Category: Category C
  7. Basic Seismic Force Resisting System At Carwash: Ordinary Reinforced Masonry Shear walls
  8. Response Modification Factor: R = 2.0
  9. Seismic Response Coefficient: C<sub>s</sub> = 0.103
  10. Design Base Shear: V = 40 kips
  11. Analysis Procedure: Equivalent Lateral Force Procedure

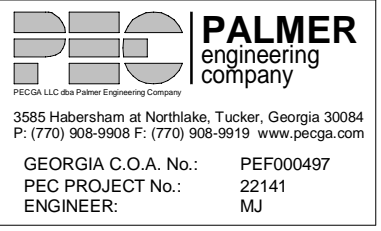
CONCRETE TENSION LAP SPLICE LENGTH SCHEDULE					
BAR SIZE	LAP CLASS	3000 PSI NORMAL-WEIGHT CONCRETE			
		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2
#4	A	29"	43"	22"	33"
	B	37"	56"	29"	43"
#5	A	36"	54"	28"	41"
	B	47"	70"	36"	54"
#6	A	43"	64"	33"	50"
	B	56"	84"	43"	64"

- NOTES:**
1. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL MEMBER, CONCRETE COVER, AND CENTER-TO-CENTER SPACING OF THE BARS ARE DEFINED AS:
    - CASE 1: CONCRETE COVER AT LEAST 1.0 BAR DIAMETERS AND CENTER-TO-CENTER SPACING AT LEAST 3.0 BAR DIAMETER
    - CASE 2: CONCRETE COVER LESS THAN 1.0 BAR DIAMETERS OR CENTER-TO-CENTER SPACING LESS THAN 3.0 BAR DIAMETERS
  2. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.



COMPONENTS AND CLADDING DESIGN PRESSURE			
MARK	ZONE	POSITIVE PRESSURE (PSF)	NEGATIVE PRESSURE (PSF)
1	ROOF INTERIOR	+16.0	-54.9
2	ROOF EDGE	+16.0	-72.4
3	ROOF CORNER	+16.0	-98.7
4	PARAPET INTERIOR	+88.3	-57.1
5	PARAPET CORNER	+120.0	-72.7
4	WALL INTERIOR	+22.5	-22.5
5	WALL CORNER	+22.5	-37.4

- NOTE:**
1. THE ABOVE PRESSURES ARE BASED ON AN EFFECTIVE WIND AREA OF 10SF. THESE PRESSURES MAY BE REDUCED AS APPLICABLE PER CODE.
  2. LOADS BASED ON ASCE 7-16, SECTION 30.0.
  3. PRESSURES SHOWN ARE ULTIMATE LOADS. TO CONVERT TO AN ALLOWABLE LOAD, MULTIPLY VALUES BY 0.6.
  4. POSITIVE PRESSURES ACT TOWARD THE ROOF AND NEGATIVE PRESSURES ACT AWAY FROM THE ROOF.



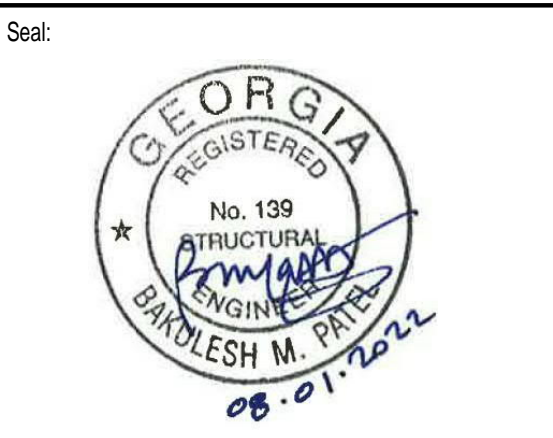
3585 Habersham at Northlake, Tucker, Georgia 30084  
 P: (770) 968-9968 F: (770) 968-9919 www.palmer.com  
 GEORGIA C.O.A. No.: PEFC000497  
 REG. PROJECT No.: 22141  
 ENGINEER: MJ

THIS DRAWING IS THE PROPERTY OF E-E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E-E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E-E ARCHITECTURE INC. © 2020 OWNERSHIP IS NON-TRANSFERABLE.

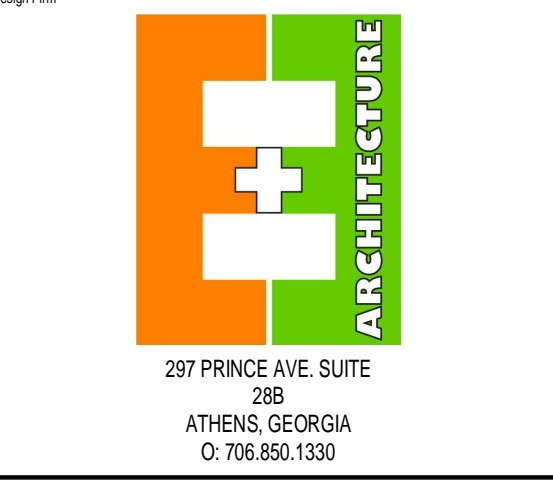
E-E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE. AND THAT E-E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
**STRUCTURAL ENGINEER:**  
 PALMER ENGINEERING  
 3585 Habersham at Northlake  
 Tucker, GA 30084  
 (770) 908-9908

TOP CAPITAL CAR WASH  
 765 DACULA ROAD  
 DACULA, GA



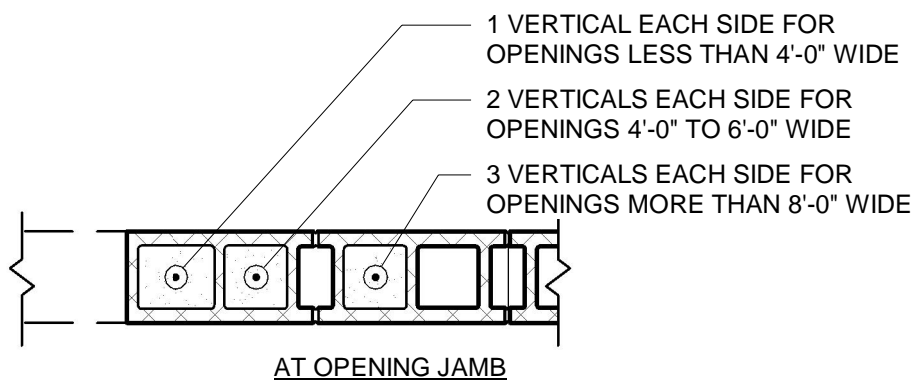
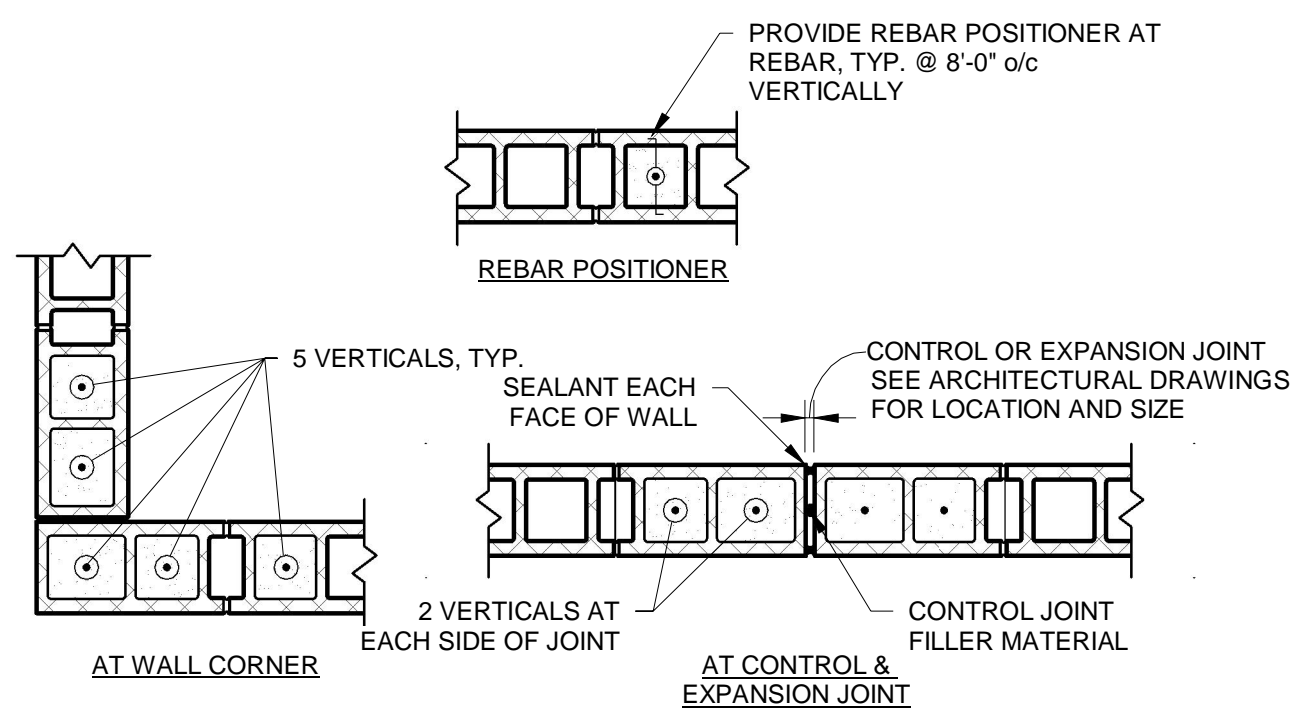
No.	Date	Issue Notes



**STRUCTURAL GENERAL NOTES**

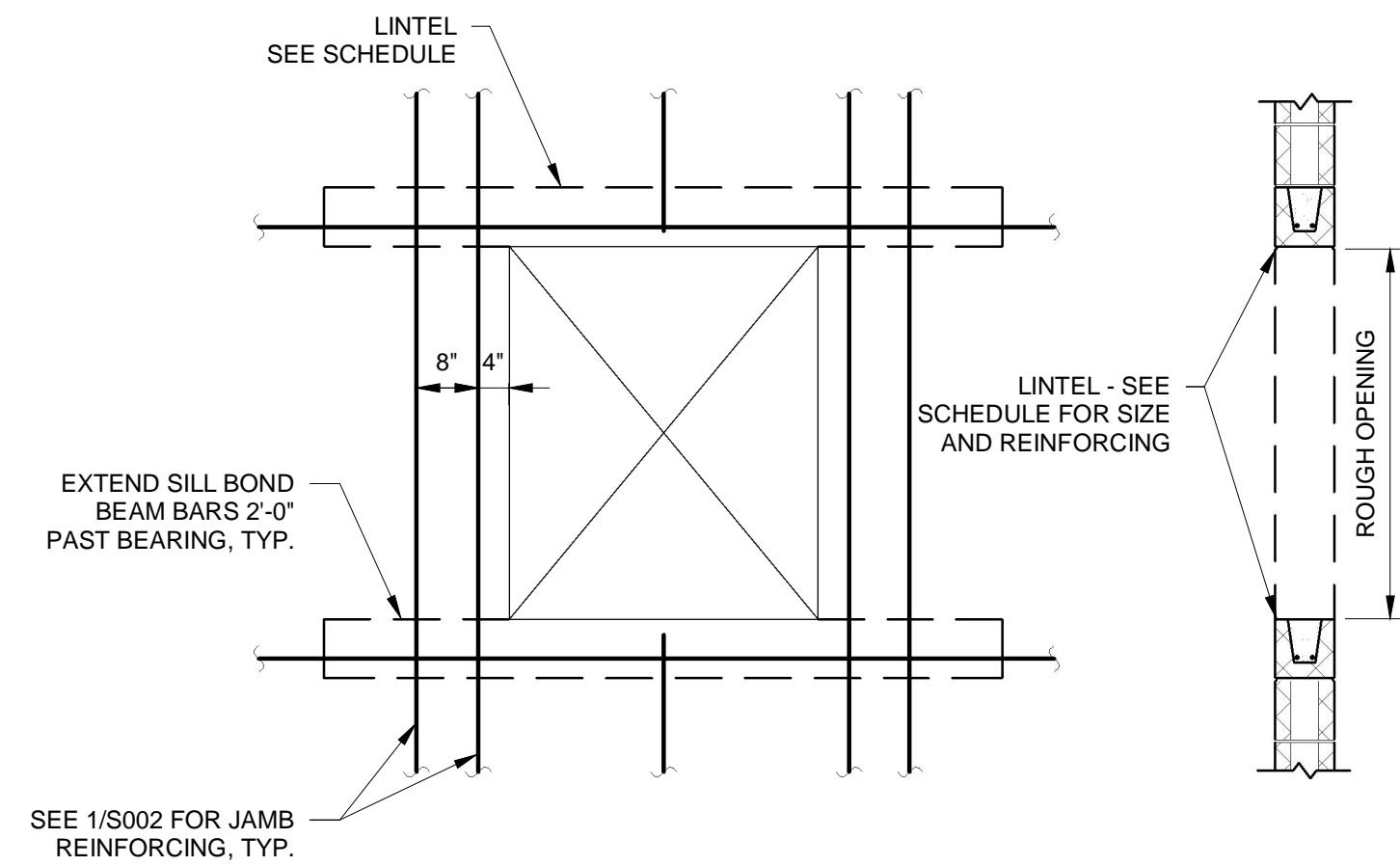
Date: 02.09.2021	Project Number:
CAD File Name:	
Drawing Number:	

**S001**

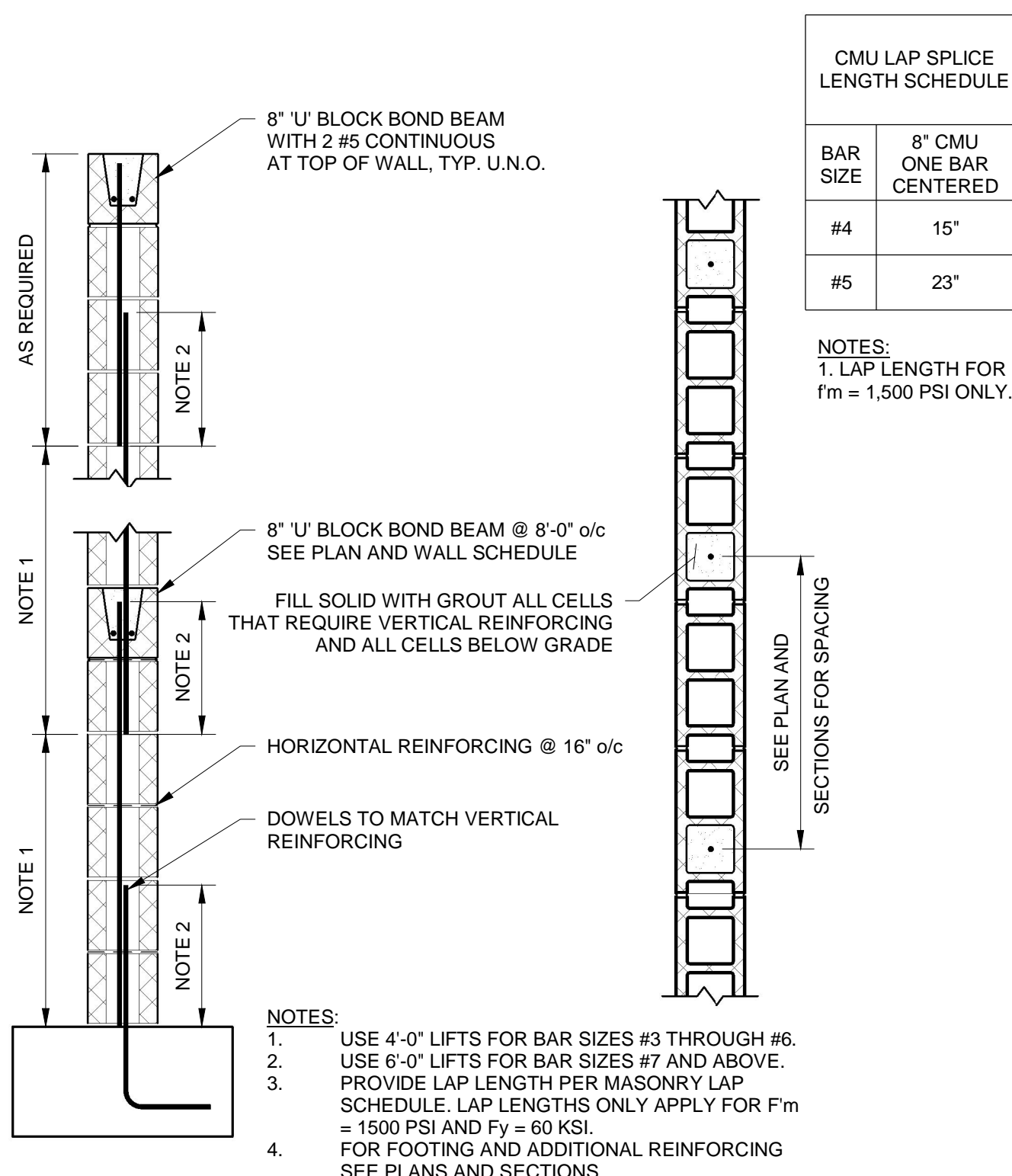


NOTE: REINFORCEMENT SIZE TO MATCH WALL REINFORCEMENT. SEE CMU WALL SCHEDULE ON S003.

1 CMU REINFORCING DETAILS  
3/4" = 1'-0"



2 TYPICAL REINFORCING AT CMU WALL OPENINGS  
1/2" = 1'-0"

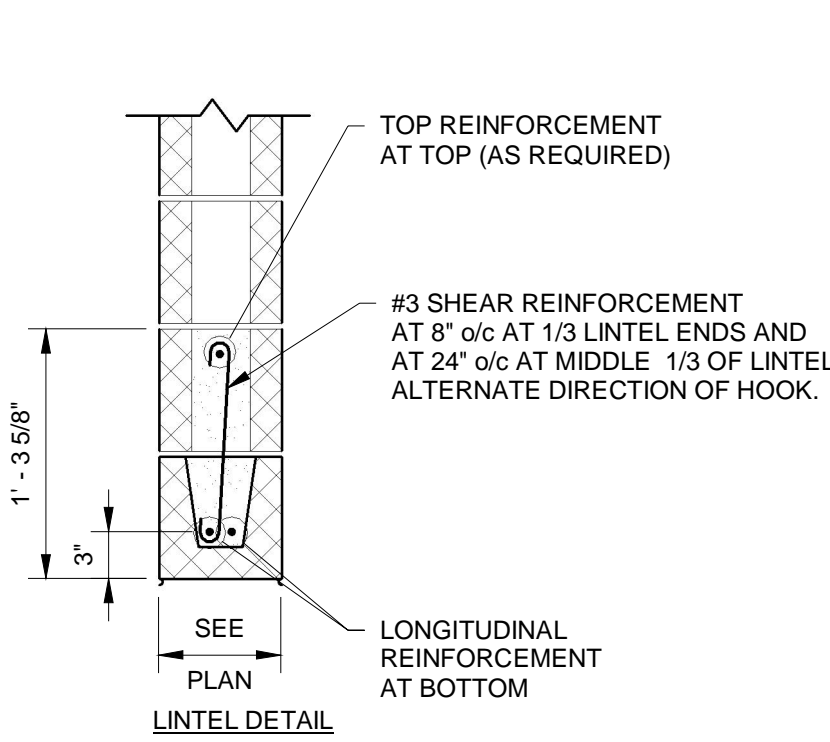


3 TYPICAL REINFORCED CMU WALL  
3/4" = 1'-0"

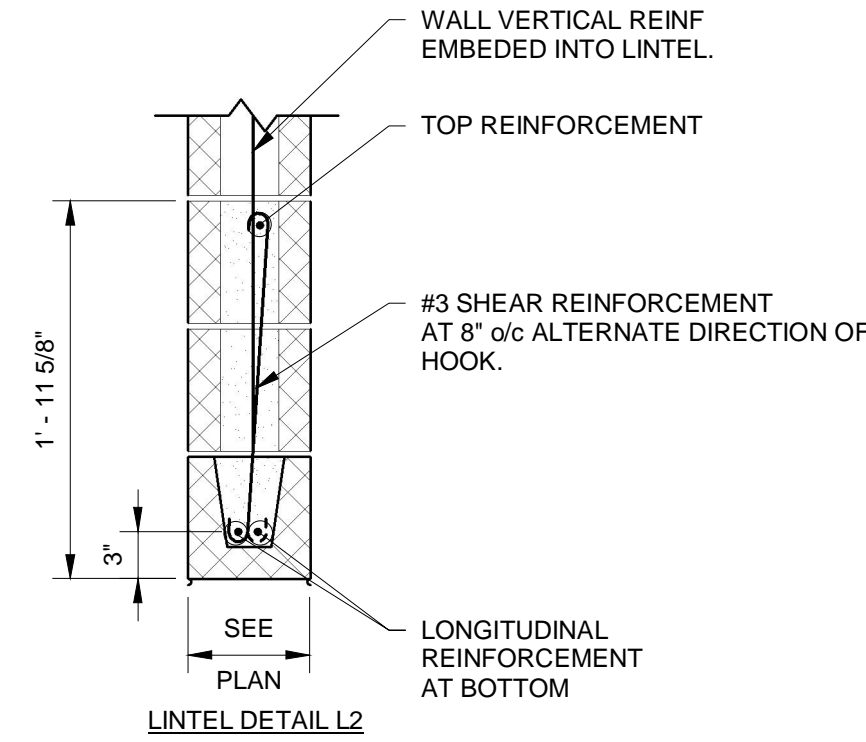
LOAD BEARING CMU LINTEL SCHEDULE					
BLOCK SIZE	MARK	DEPTH	OPENING WIDTH	REINFORCING	SHEAR REINFORCEMENT
8" CMU	L1	15 5/8"	SEE PLAN 6'-0" MAX	2 #5 AT BOTTOM	N/A
	L2	23 5/8"	SEE PLAN 12'-0" MAX	2 #5 AT BOTTOM 1 #5 AT TOP	#3 @ 8" o/c
	L3	31 5/8"	SEE PLAN 16'-0" MAX	2 #6 AT BOTTOM 2 #5 AT TOP	#3 @ 8" o/c

- NOTES:
1. PROVIDE MINIMUM 1'-4" BEARING AT EACH END OF ALL LINTELS.
  2. PROVIDE (2) VERTICAL BARS CONT. W/ MATCHING DOWELS IN GROUTED CELLS ON EACH SIDE OF BEARING FOR OPENING UP TO 8'-0". SIZE OF VERTICAL BAR TO MATCH WALL REINFORCING.
  3. PROVIDE (3) VERTICAL BARS CONT. W/ MATCHING DOWELS IN GROUTED CELLS ON EACH SIDE OF BEARING FOR OPENING GREATER THAN 8'-0". SIZE OF VERTICAL BAR TO MATCH WALL REINFORCING.
  4. LINTEL REINFORCEMENT MUST EXTEND AT LEAST 24" AND NOT LESS THAN 40 BAR DIAMETERS BEYOND OPENING.

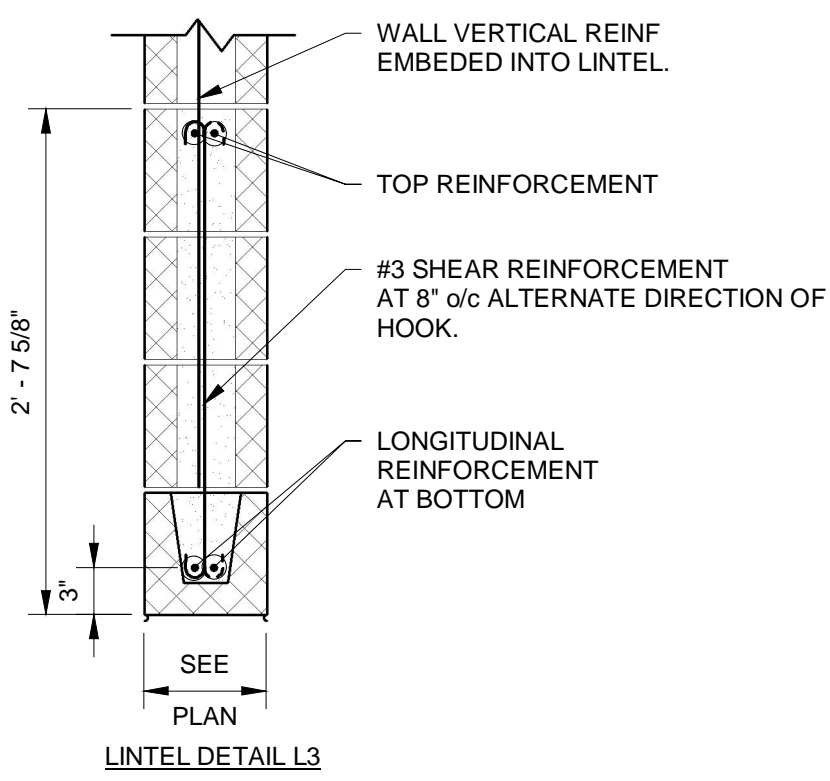
4 LOAD BEARING CMU LINTEL SCHEDULE  
12" = 1'-0"



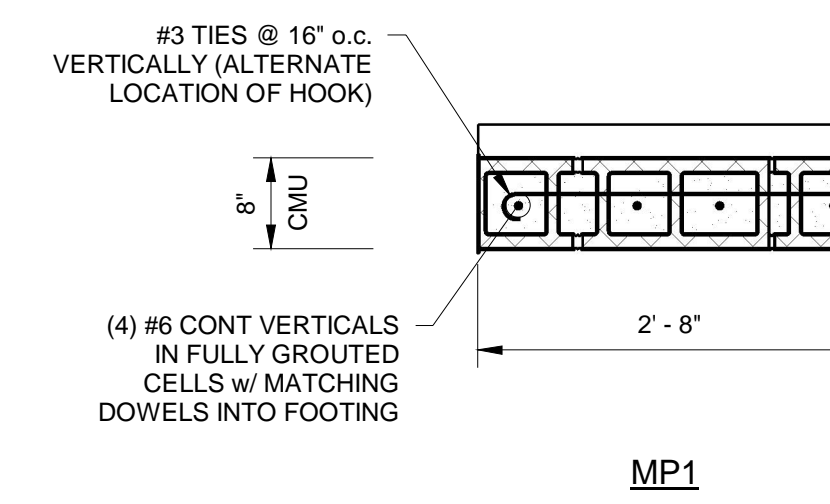
5 LINTEL DETAIL L1  
1" = 1'-0"



6 LINTEL DETAIL L2  
1" = 1'-0"

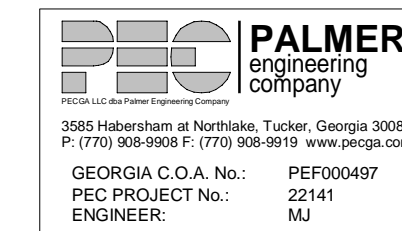


7 LINTEL DETAIL L3  
1" = 1'-0"



- NOTE:
1. PLACE TIES IN BED JOINT TYPICAL.
  2. PIER REINFORCEMENT TO BE CONTINUOUS THROUGH LINTEL.
  3. WHERE PIER IS LOCATED AT END OF WALL, CONTINUE HORIZONTAL JOINT REINFORCEMENT INTO PIER.

8 MASONRY PIER SCHEDULE  
3/4" = 1'-0"

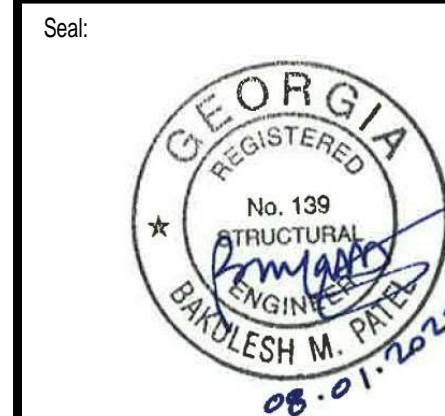


THIS DRAWING IS THE PROPERTY OF E-E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E-E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E-E ARCHITECTURE INC. © 2020 OWNERSHIP IS NON-TRANSFERABLE.

E-E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E-E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
STRUCTURAL ENGINEER:  
PALMER ENGINEERING  
3581 Habersham at Northlake  
Tucker, GA 30084  
(770) 968-9908

TOP CAPITAL CAR WASH  
765 DACULA ROAD  
DACULA, GA



No. Date Issue Notes

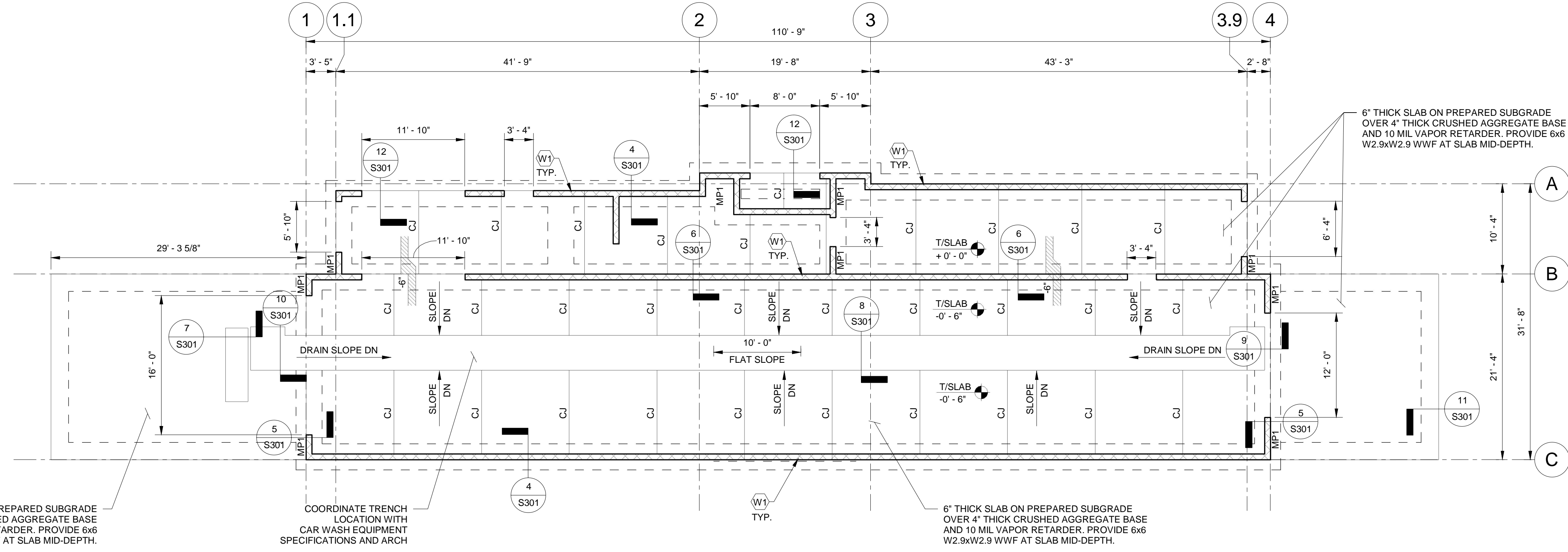


SCHEDULES & TYPICAL DETAILS

Date: 02.09.2021 Project Number:  
CAD File Name:  
Drawing Number:

S002

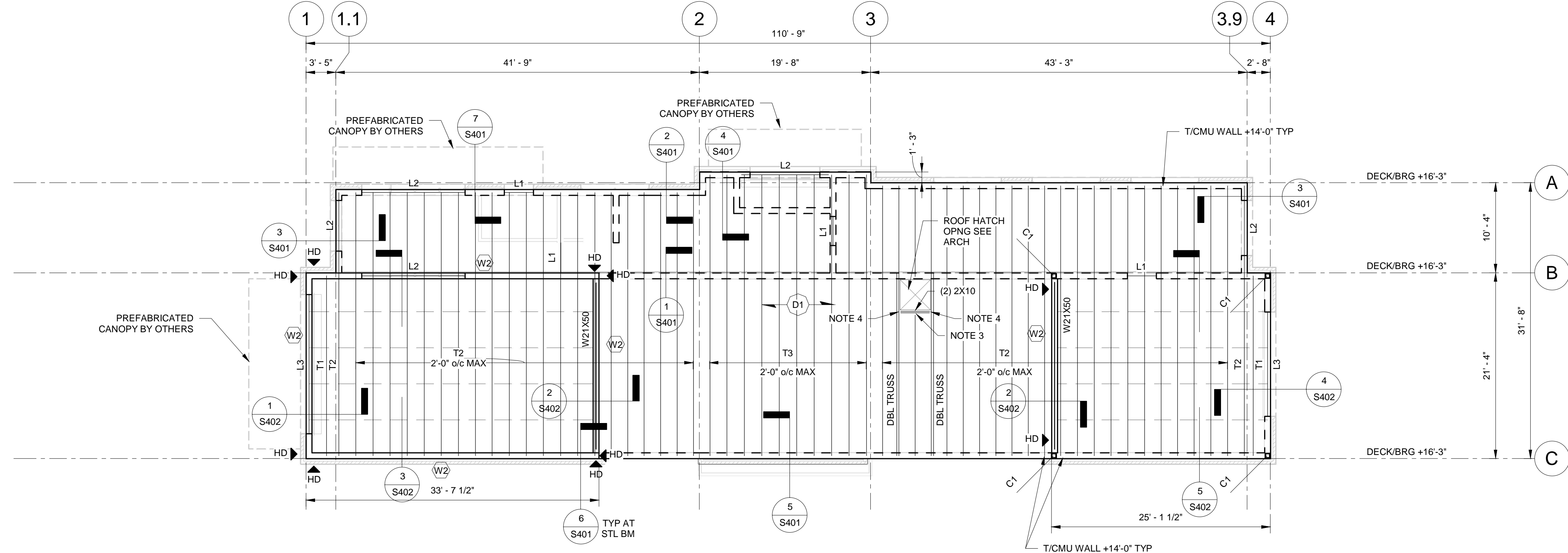




- NOTES:**
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, SLOPES, ELEVATIONS AND OTHER INFORMATION NOT SHOWN. REFERENCED FINISH FLOOR ELEVATION = +0'-0".
  - INDICATES 8" CMU LOAD BEARING SHEAR WALL (f<sub>m</sub> = 1,500 PSI) WITH #5 @ 32" o/c VERTICAL REINFORCEMENT WITH MATCHING DOWELS. GROUT CELLS SOLID AT REINFORCEMENT. PROVIDE #9 GA HORIZONTAL REINFORCEMENT AT 16" o/c VERTICALLY. PROVIDE 8" CMU BOND BEAM WITH 2 #5 IN GROUTED CELLS AT TOP OF WALL, AND 8'-0" IN BETWEEN. SEE 1/S002, 2/S002, AND 3/S002 FOR ADDITIONAL DETAILS. SEE ARCH DRAWINGS FOR MASONRY OPENING WIDTHS.

CJ INDICATES SLAB ON GRADE CONTRACTION JOINTS. SEE DETAIL 1/S301.

**1** FOUNDATION PLAN  
S101 1/8" = 1'-0"

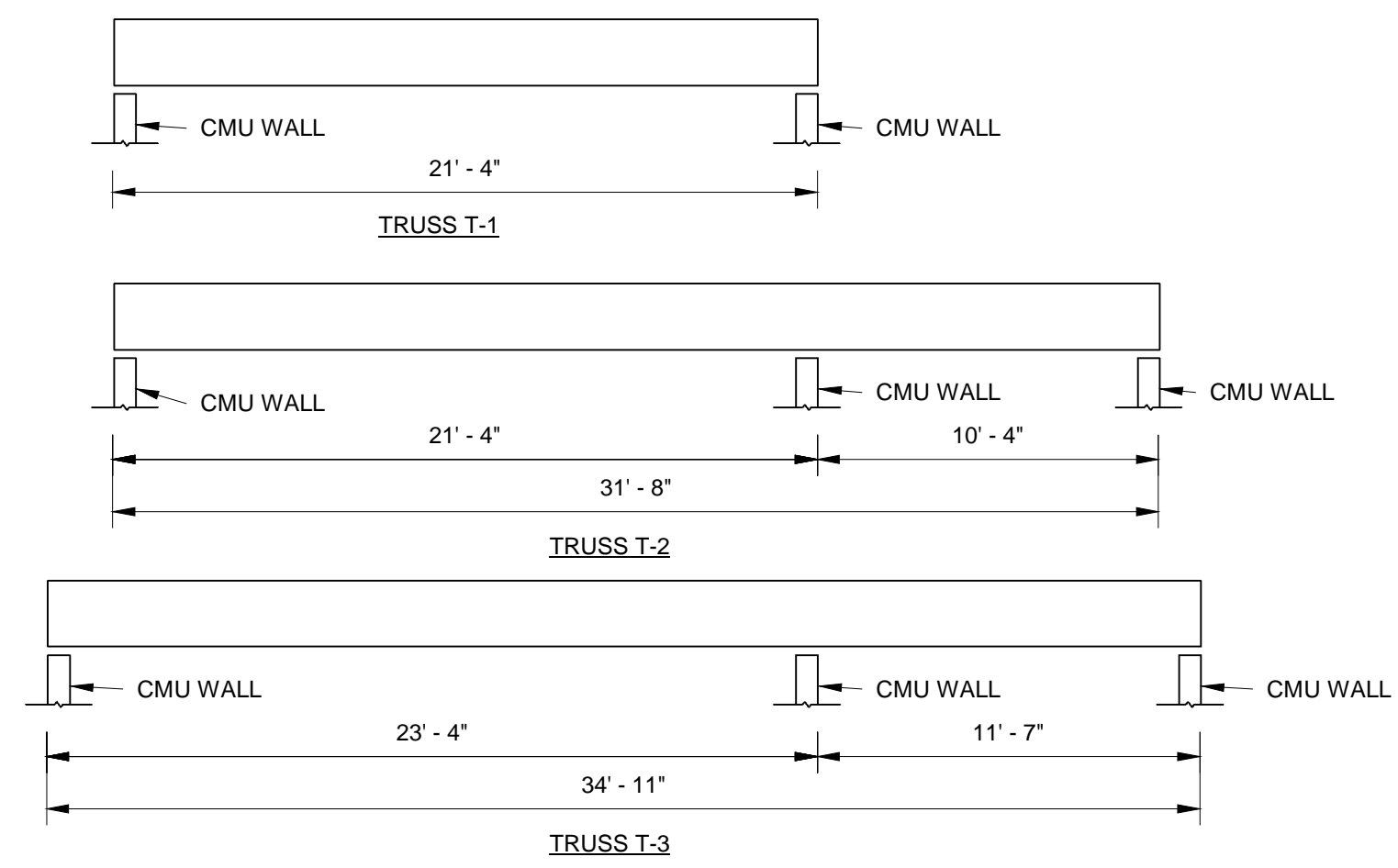


**2** ROOF FRAMING PLAN  
S101 1/8" = 1'-0"

- NOTES & LEGENDS:**
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, SLOPES, ELEVATIONS AND OTHER INFORMATION NOT SHOWN.
  - GROUT 3 CELLS SOLID FROM BEAM BEARING TO FOUNDATION w/ MATCHING DOWELS. SEE S002 FOR BEARING PLATE.
  - SUPPORT TRUSS WITH TOP FLANGE HANGER FROM (2) 2X10.
  - SUPPORT (2) 2X10 WITH TOP FLANGE HANGERS FROM TRUSSES ON EACH END. DESIGN TRUSSES FOR ADDITIONAL CONCENTRAED LOAD OF 1,250 LBS.
- Lx INDICATES CMU LINTEL. SEE SHEET S002 FOR ADDITIONAL INFORMATION.
- (W2) INDICATES 2x8 #2 SYP @ 16" o.c. FRAMING w/ CONTINUOUS ROW OF BLOCKING @ 4'-0" o.c. WITH 7/16" APA RATED SHEATHING FASTENED TO STUDS w/10d NAILS @ 6" o/c AT PERIMETER AND IN FIELD.
- HD INDICATES SIMPSON HTT5 HOLD DOWN.

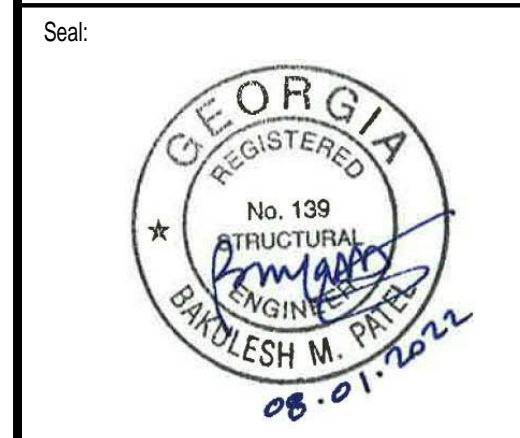
- Tx INDICATES 24" DEEP PRE-ENGINEERED WOOD TRUSSES @ 2'-0" o.c. SEE THIS SHEET FOR TRUSS ELEVATIONS.
- (D1) INDICATES 3/4" THICK 48/24 APA RATED SHEATHING FASTENED TO TRUSSES w/10d NAILS @ 6" o/c IN PERIMETER AND IN FIELD.

COLUMN SCHEDULE	
MARK	SIZE
C1	HSS6X6X3/8

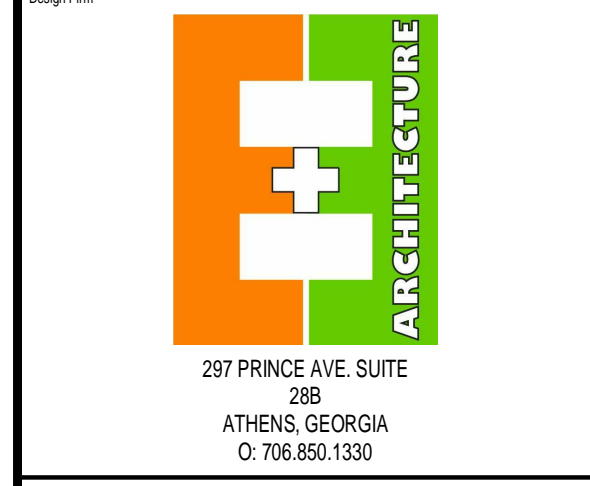


**A** TRUSS DIAGRAM  
S101 3/16" = 1'-0"

**TOP CAPITAL CAR WASH**  
765 DACULA ROAD  
DACULA, GA



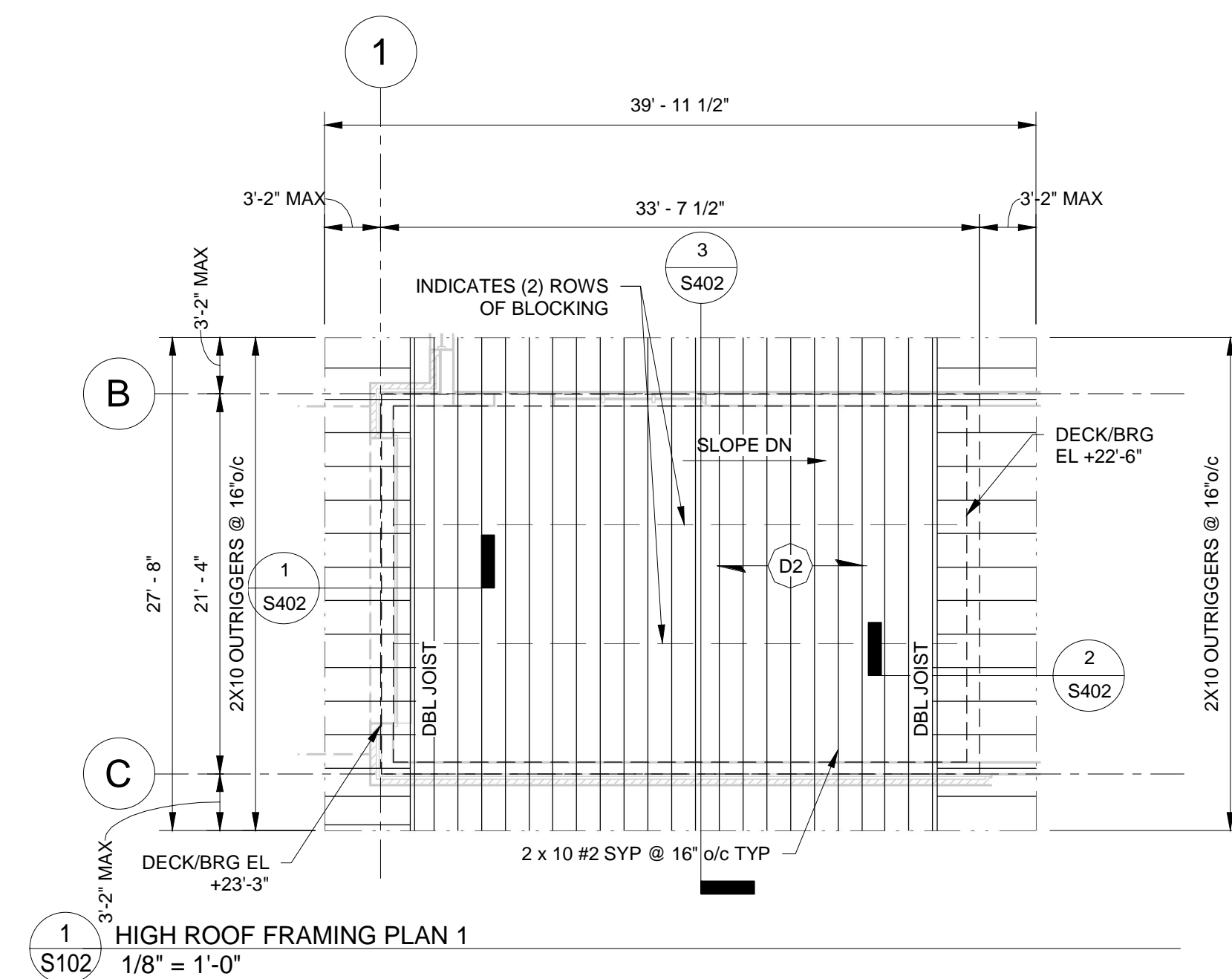
No.	Date	Issue Notes



**FOUNDATION & ROOF FRAMING PLANS**

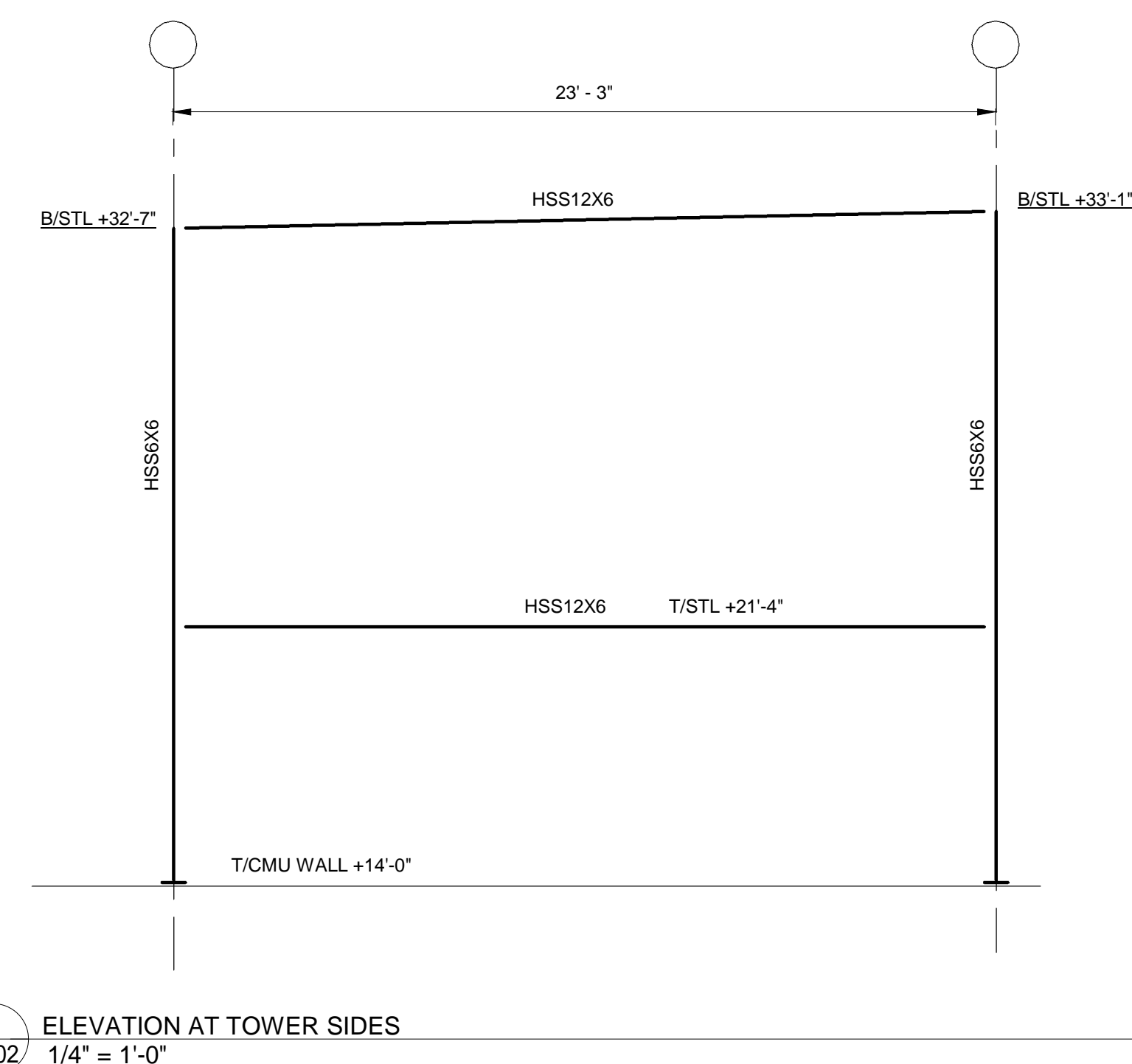
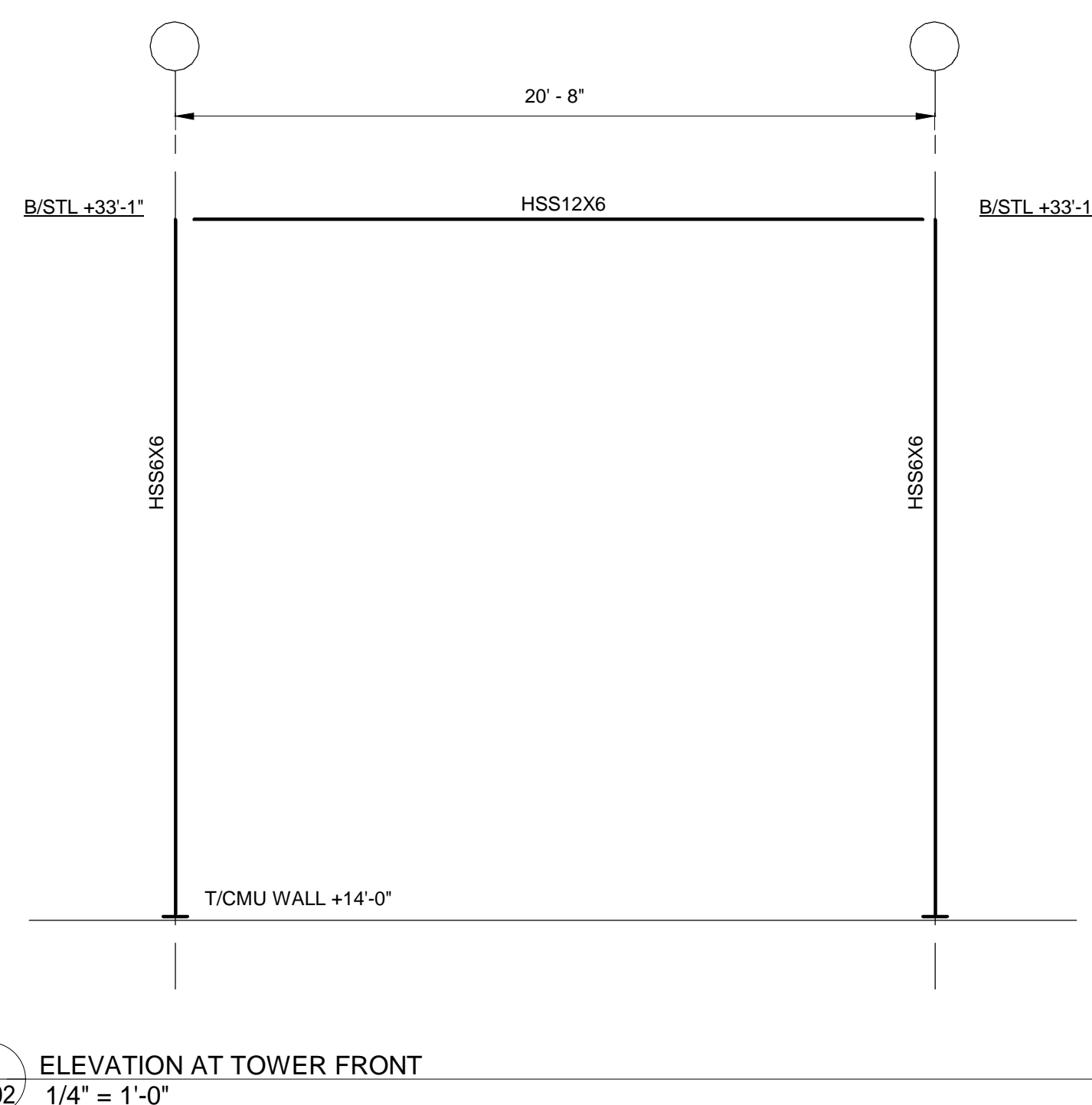
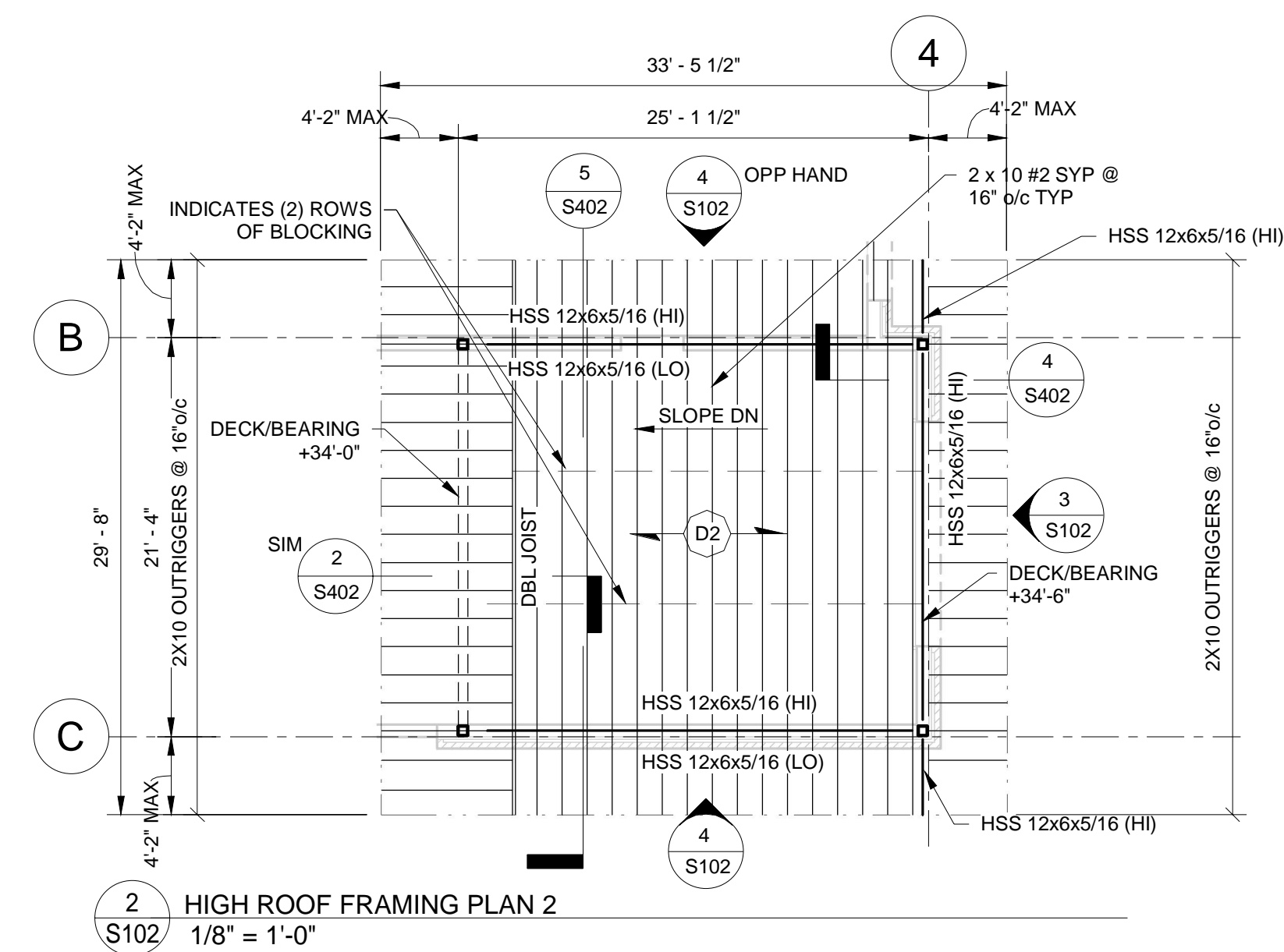
Date	Project Number
02.09.2021	

**S101**

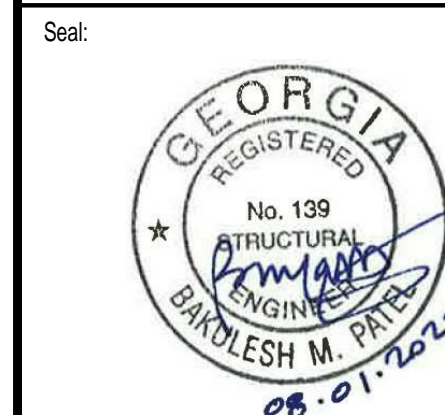


NOTES & LEGENDS:  
SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, SLOPES, ELEVATIONS AND OTHER INFORMATION NOT SHOWN.

D2 → INDICATES 3/4" THICK 48/24 APA RATED SHEATHING FASTENED TO TRUSSES w/10d NAILS @ 6" o/c AROUND PERIMETER AND IN FIELD.



TOP CAPITAL CAR WASH  
765 DACULA ROAD  
DACULA, GA



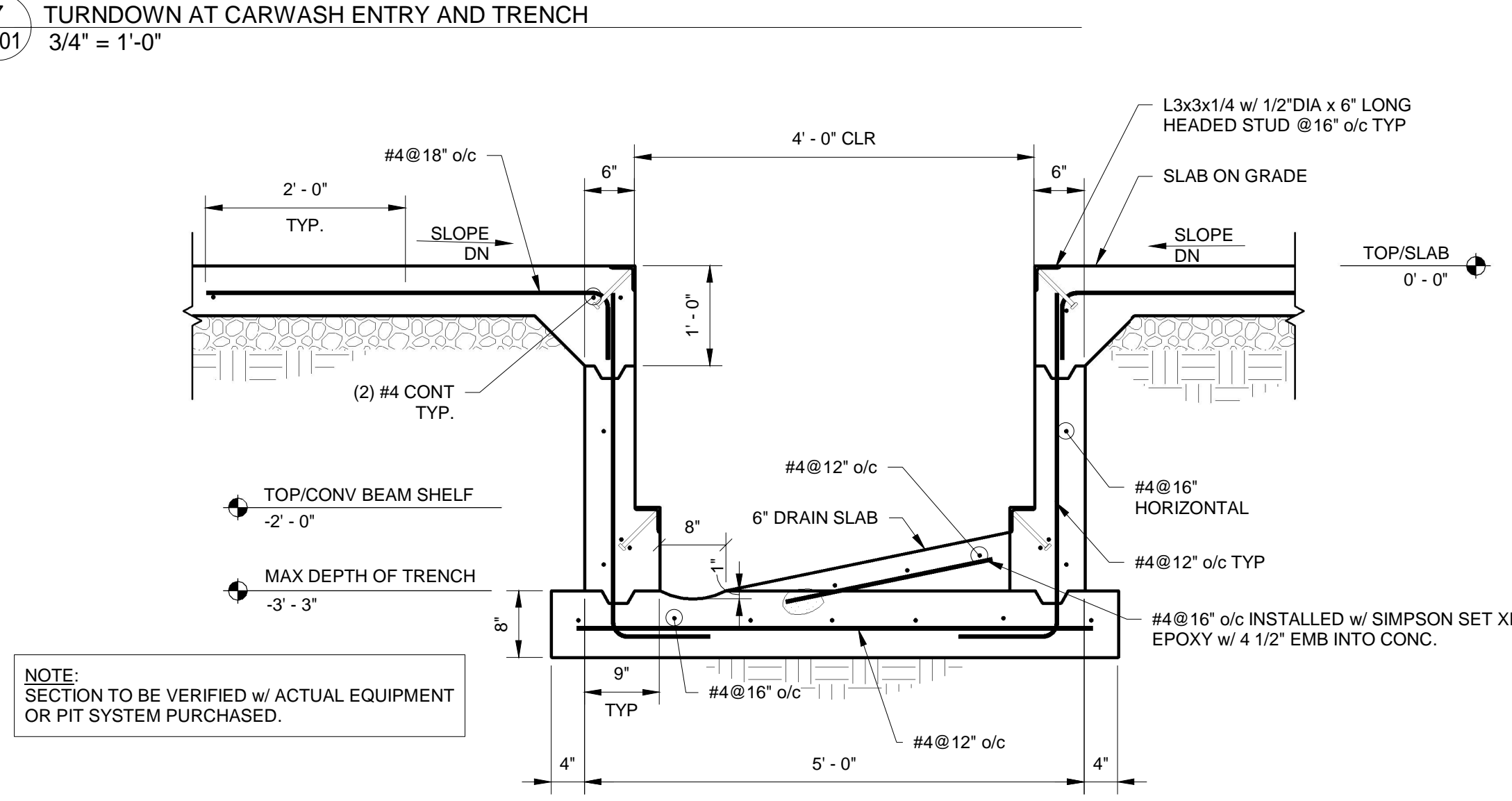
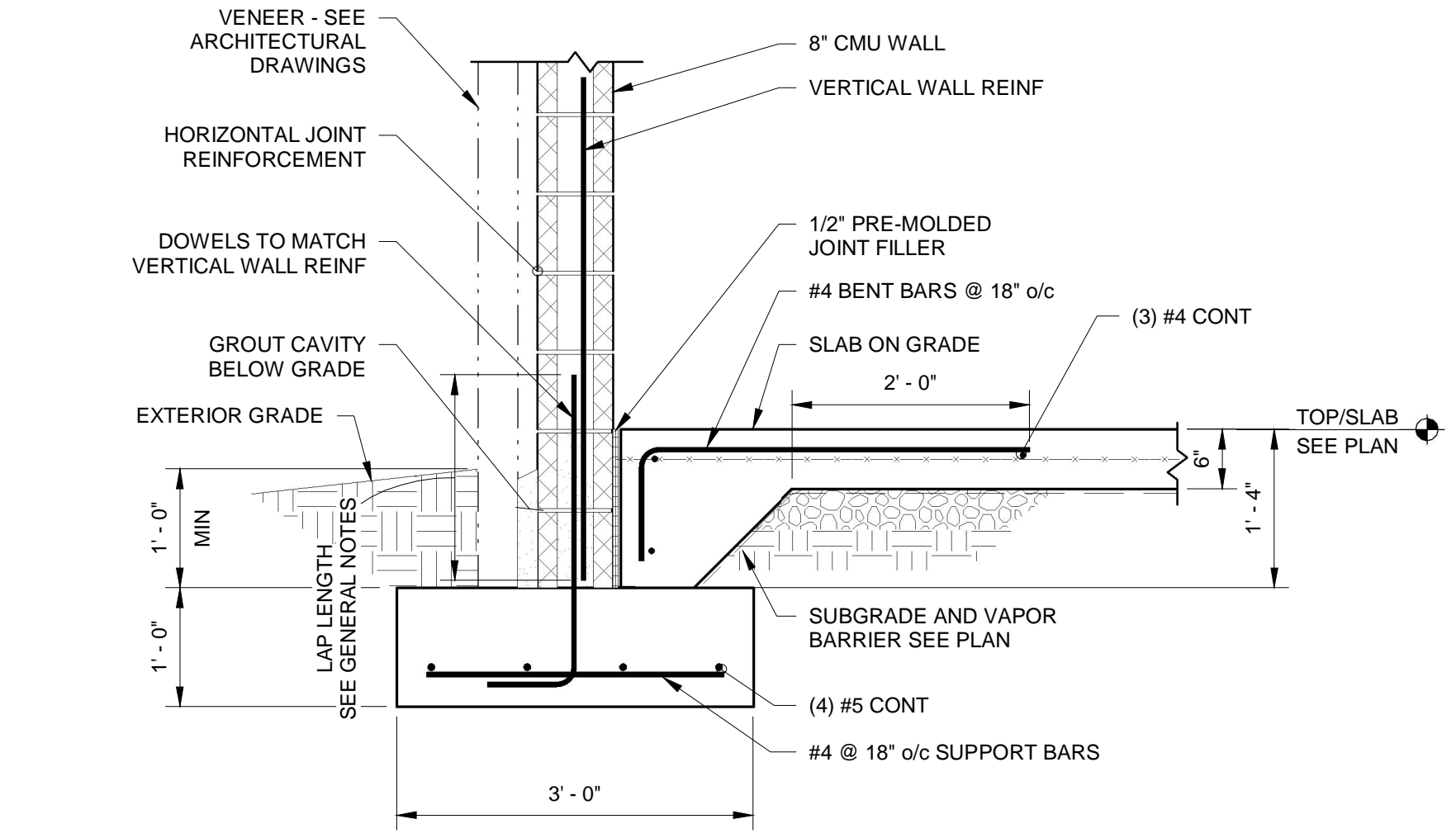
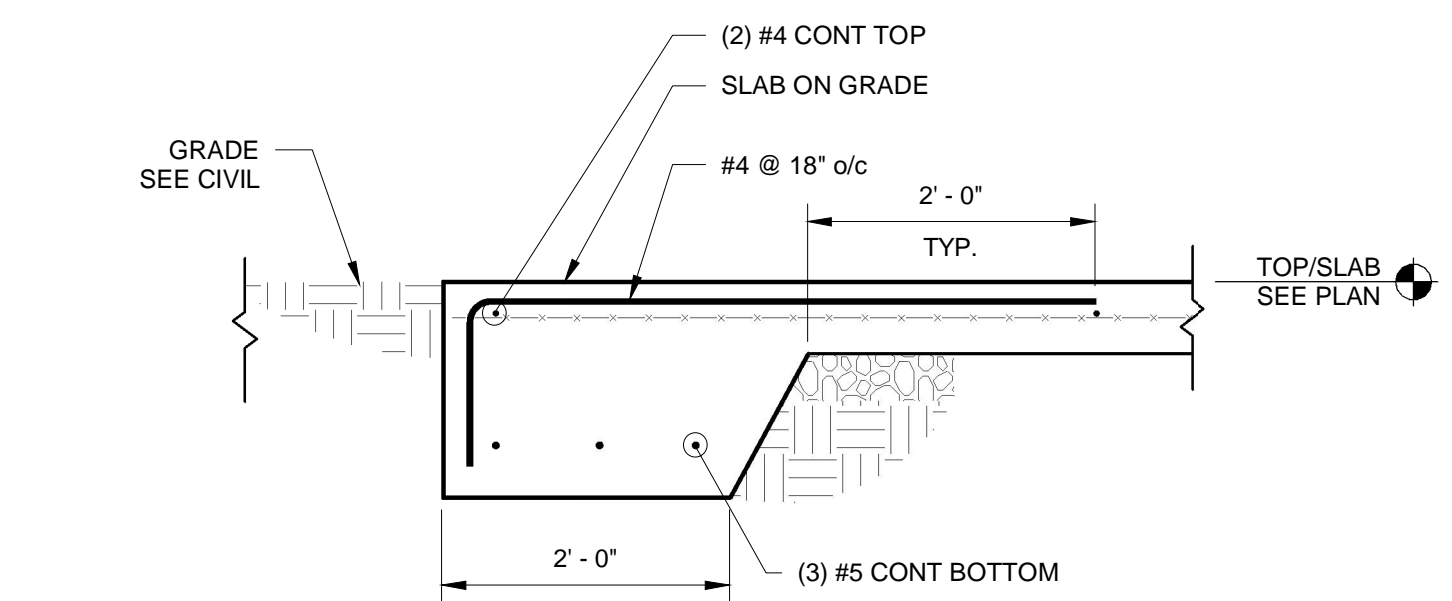
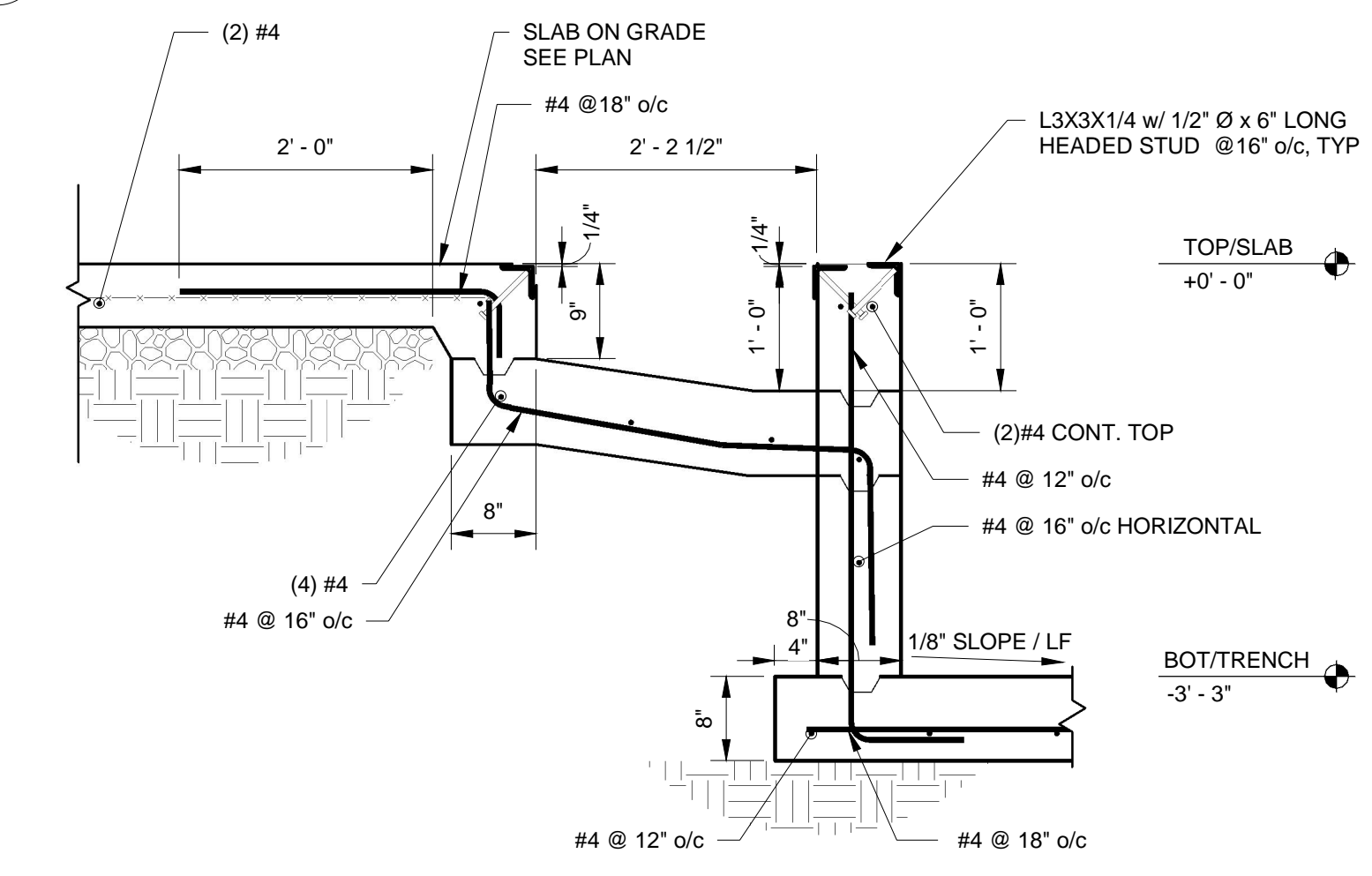
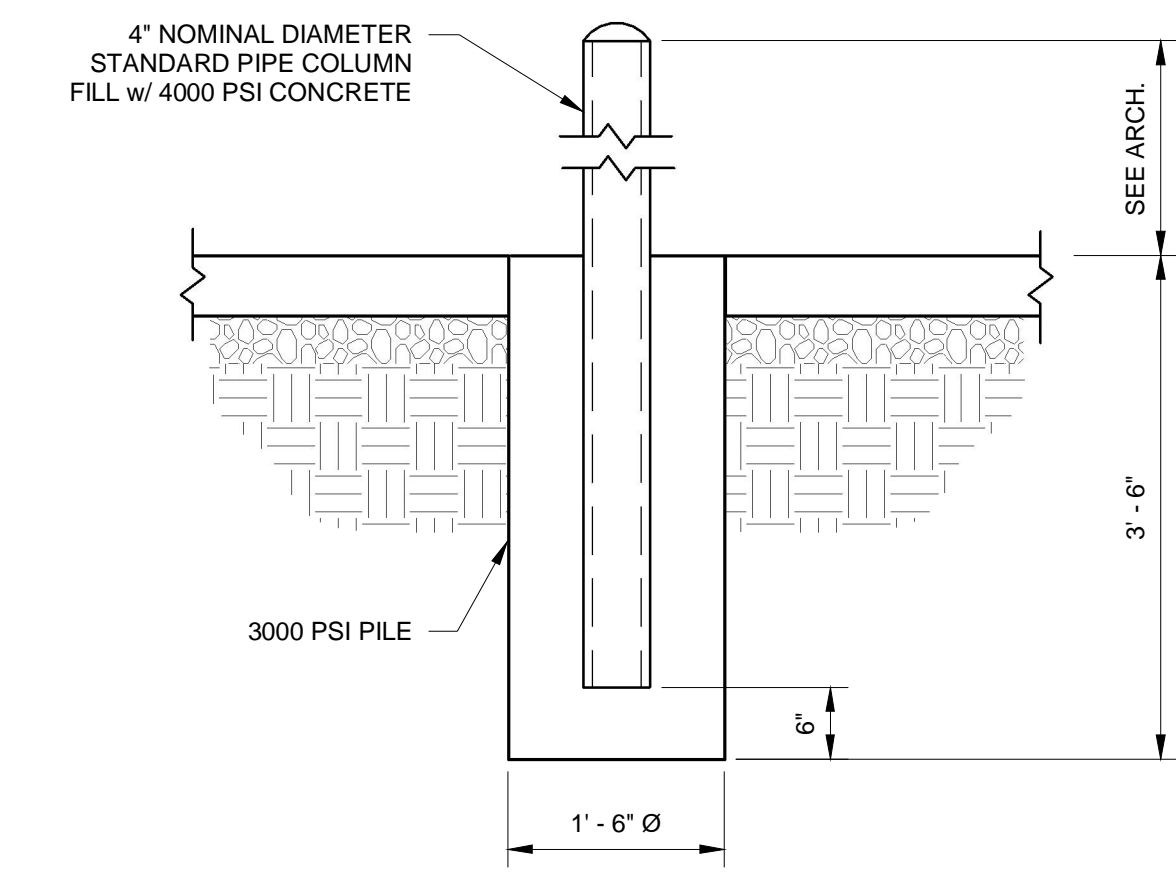
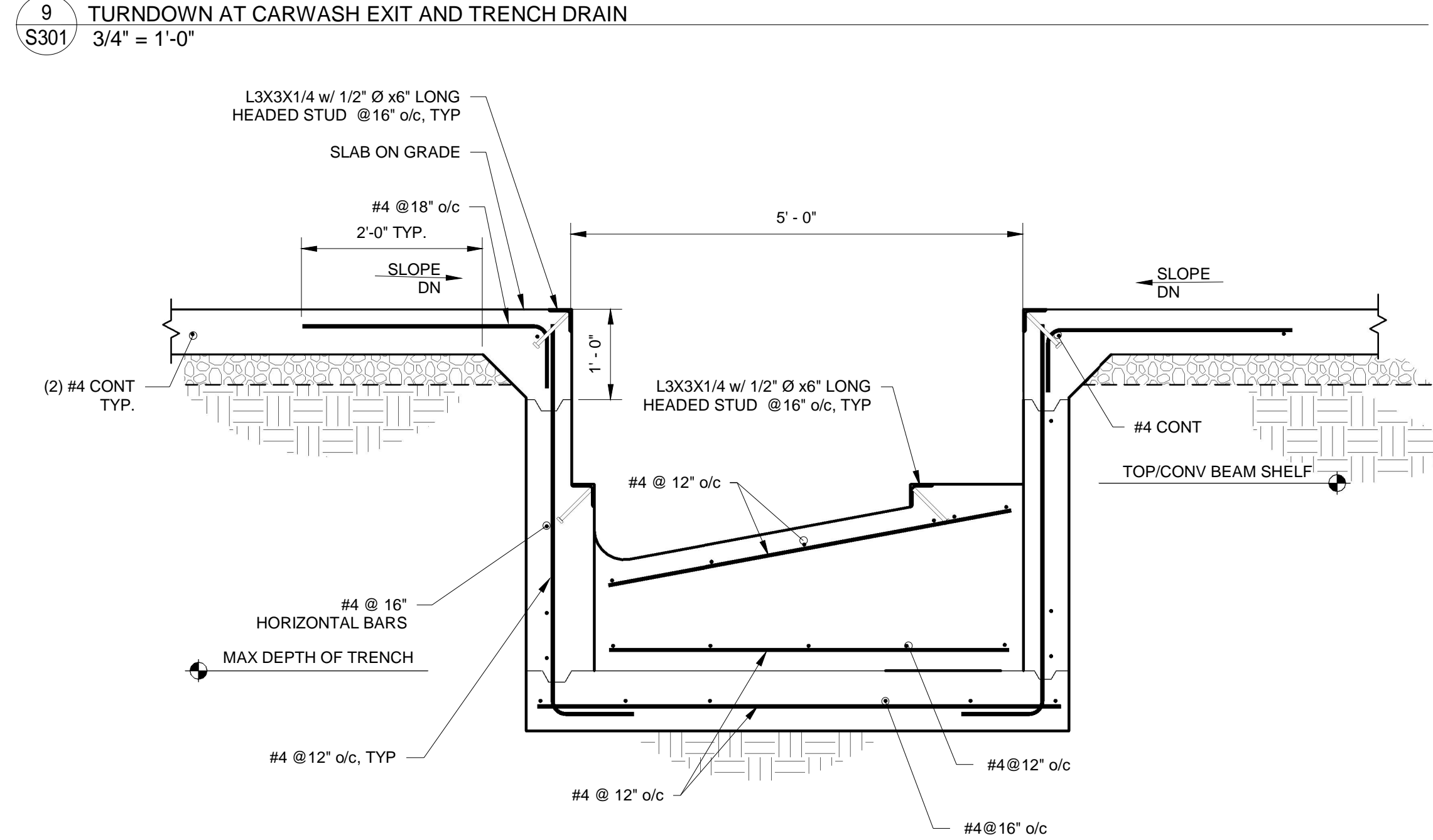
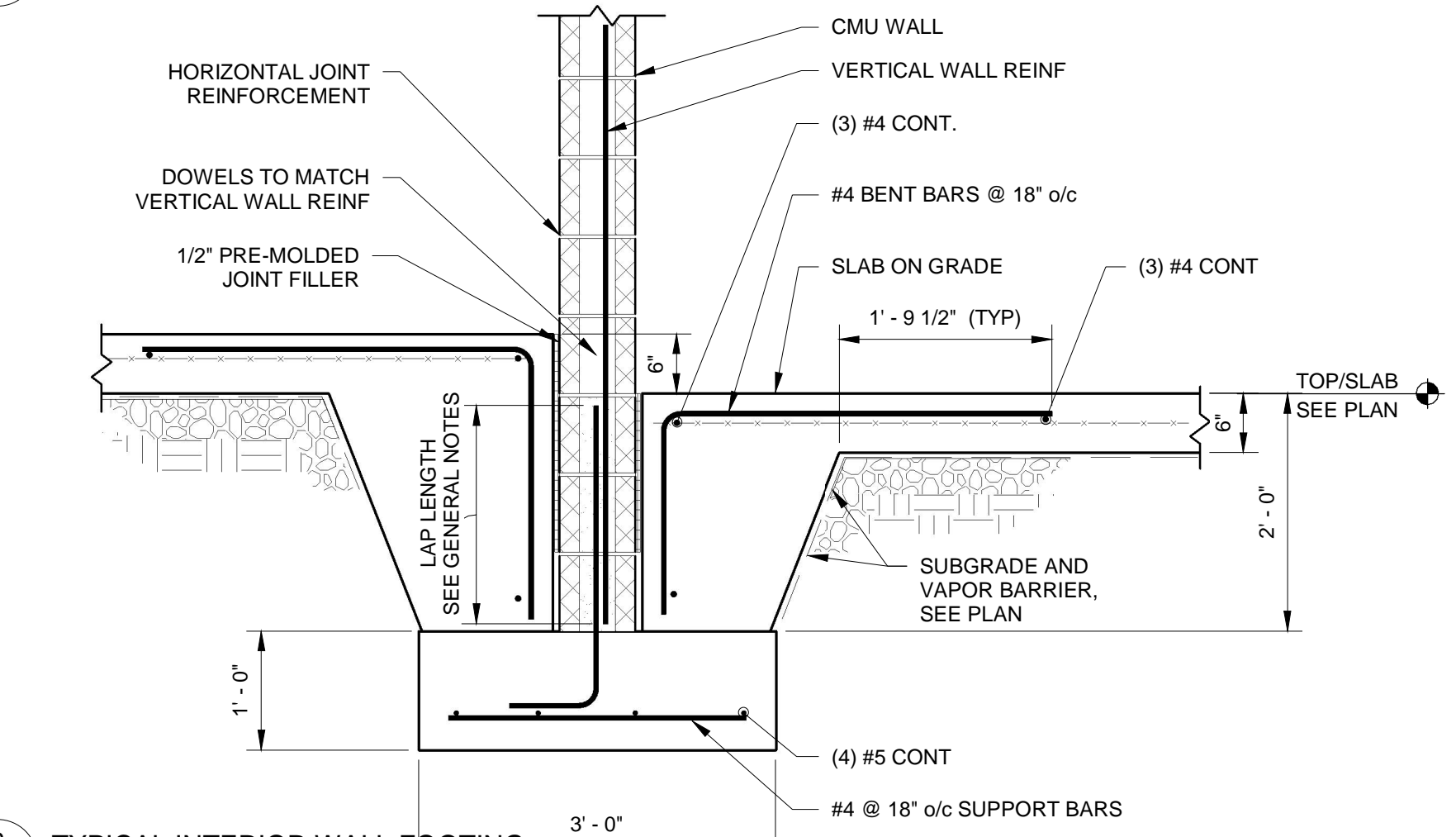
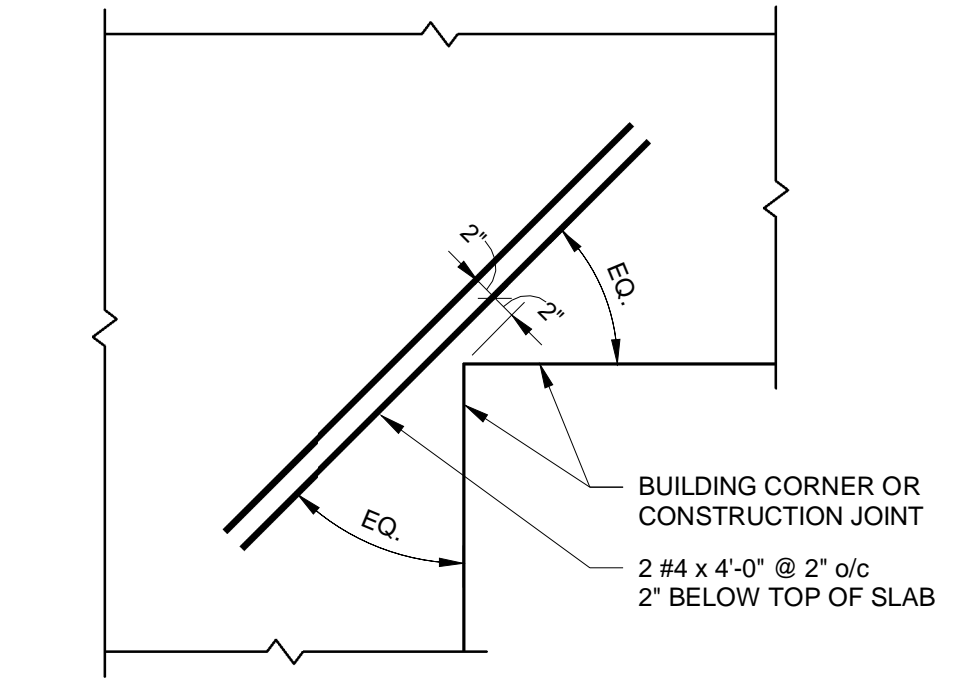
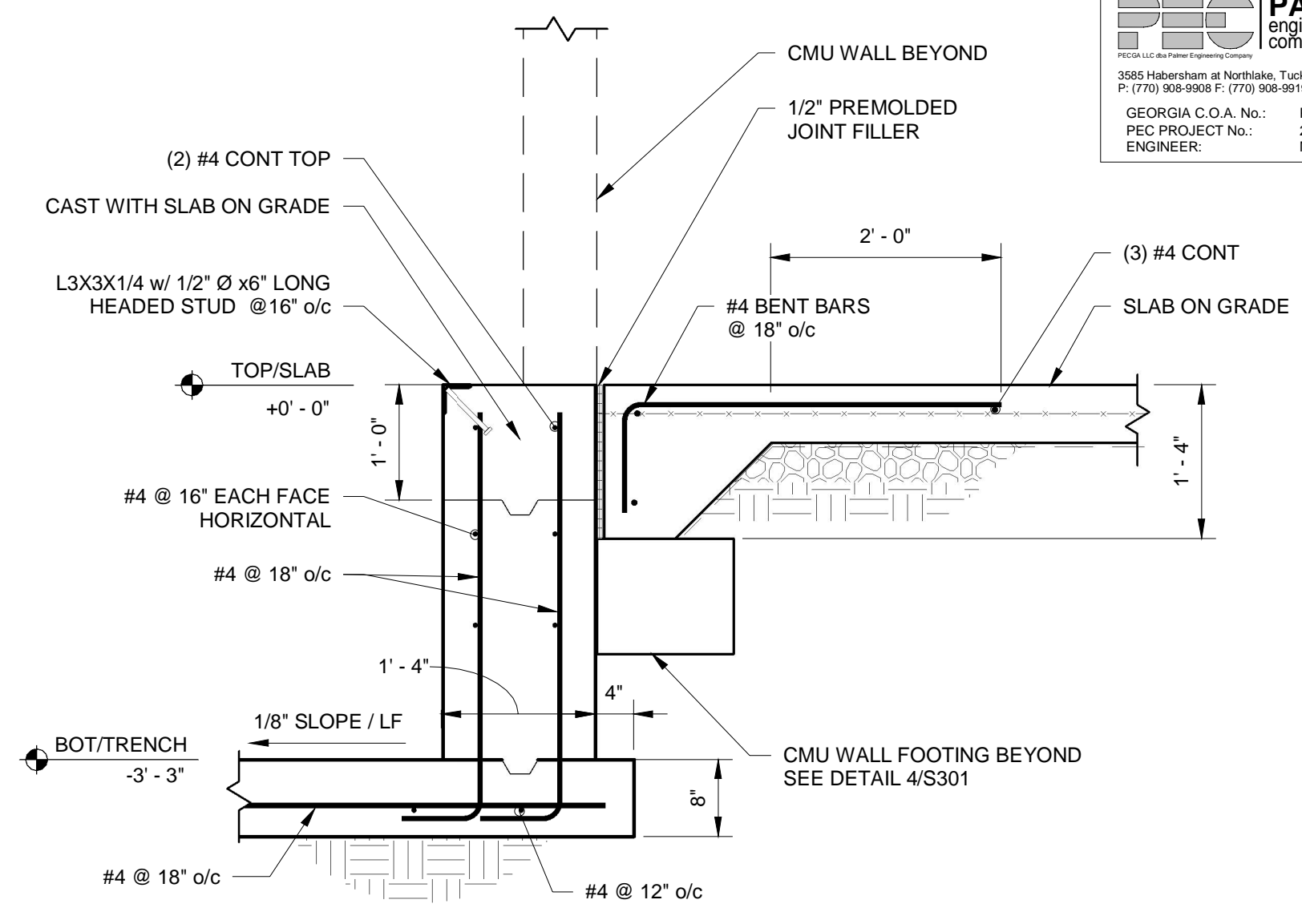
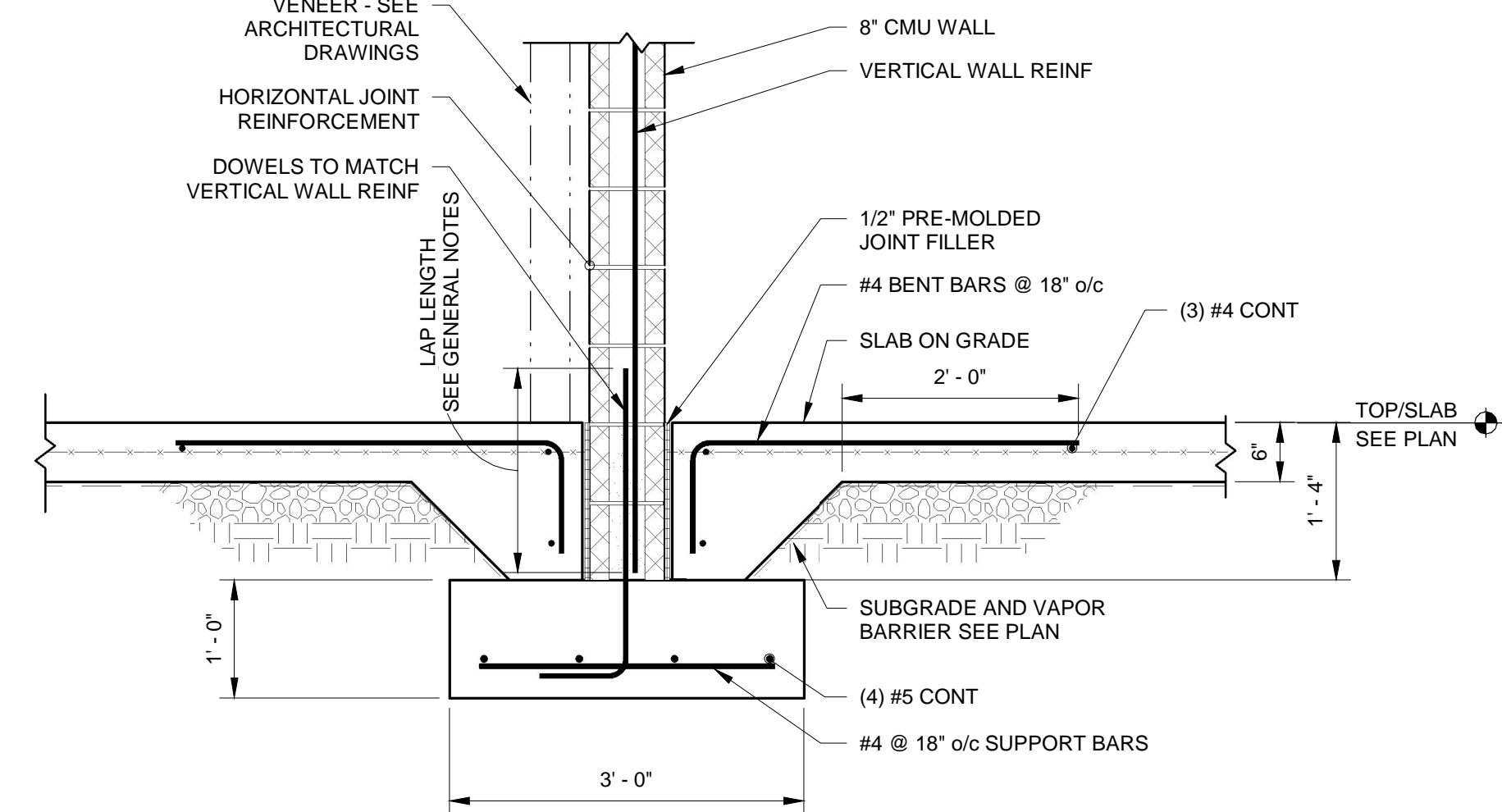
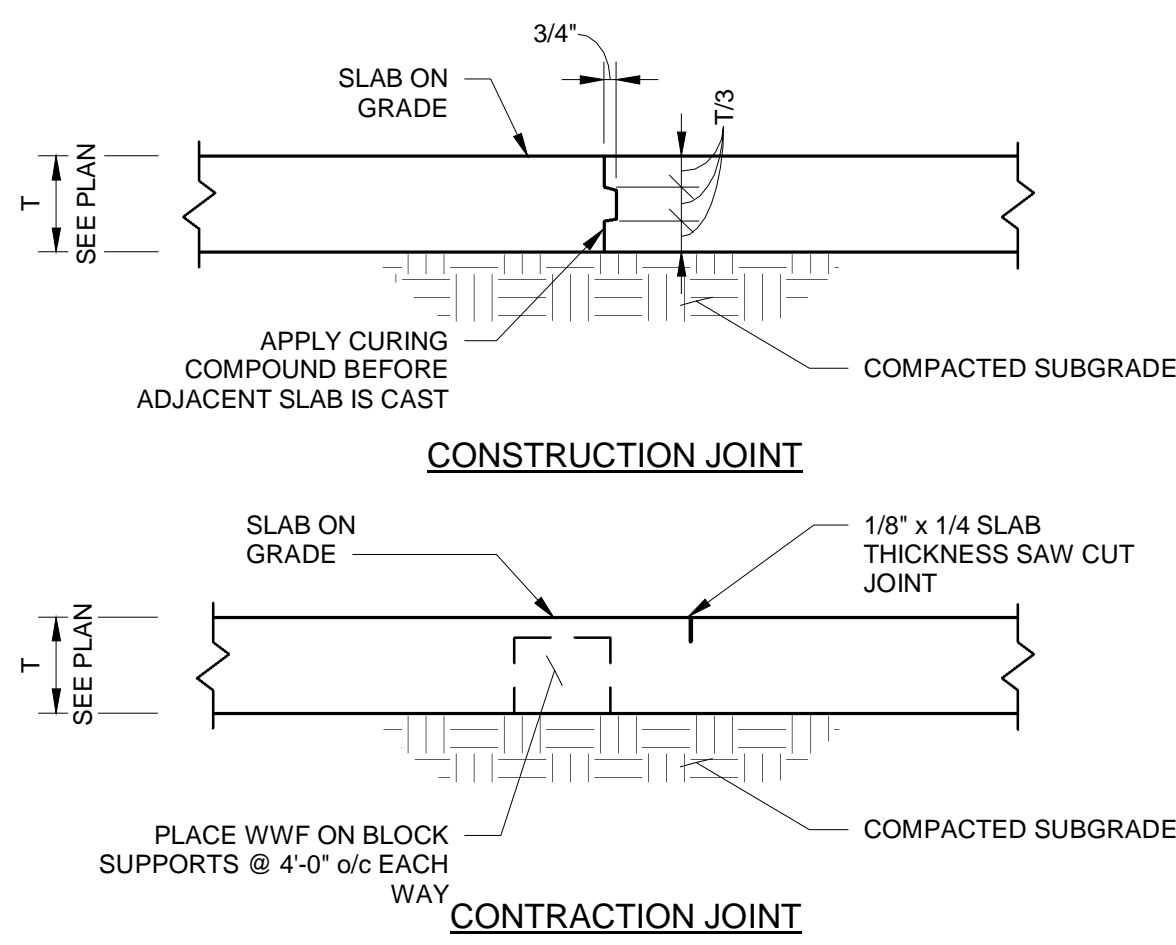
No.	Date	Issue Notes



High Roof Framing Plans

Date	02.09.2021	Project Number	
CAD File Name			
Drawing Number			

S102



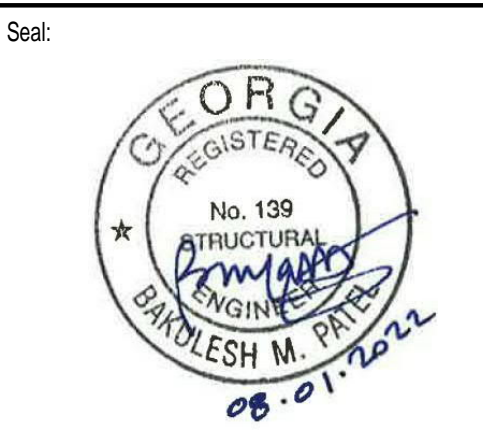
**PALMER**  
engineering  
company  
3585 Habersham at Northlake, Tucker, Georgia 30084  
P: (770) 908-9908 F: (770) 908-9919 www.palmer.com  
GEORGIA C.O.A. No.: PE000497  
REC. PROJECT No.: 22141  
ENGINEER: MJ

THIS DRAWING IS THE PROPERTY OF E-E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E-E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E-E ARCHITECTURE INC. © 2020 OWNERSHIP IS NON-TRANSFERABLE.

E-E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E-E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:  
STRUCTURAL ENGINEER:  
PALMER ENGINEERING  
3581 Habersham at Northlake  
Tucker, GA 30084  
(770) 908-9908

**TOP CAPITAL CAR WASH**  
765 DACULA ROAD  
DACULA, GA



No.	Date	Issue Notes

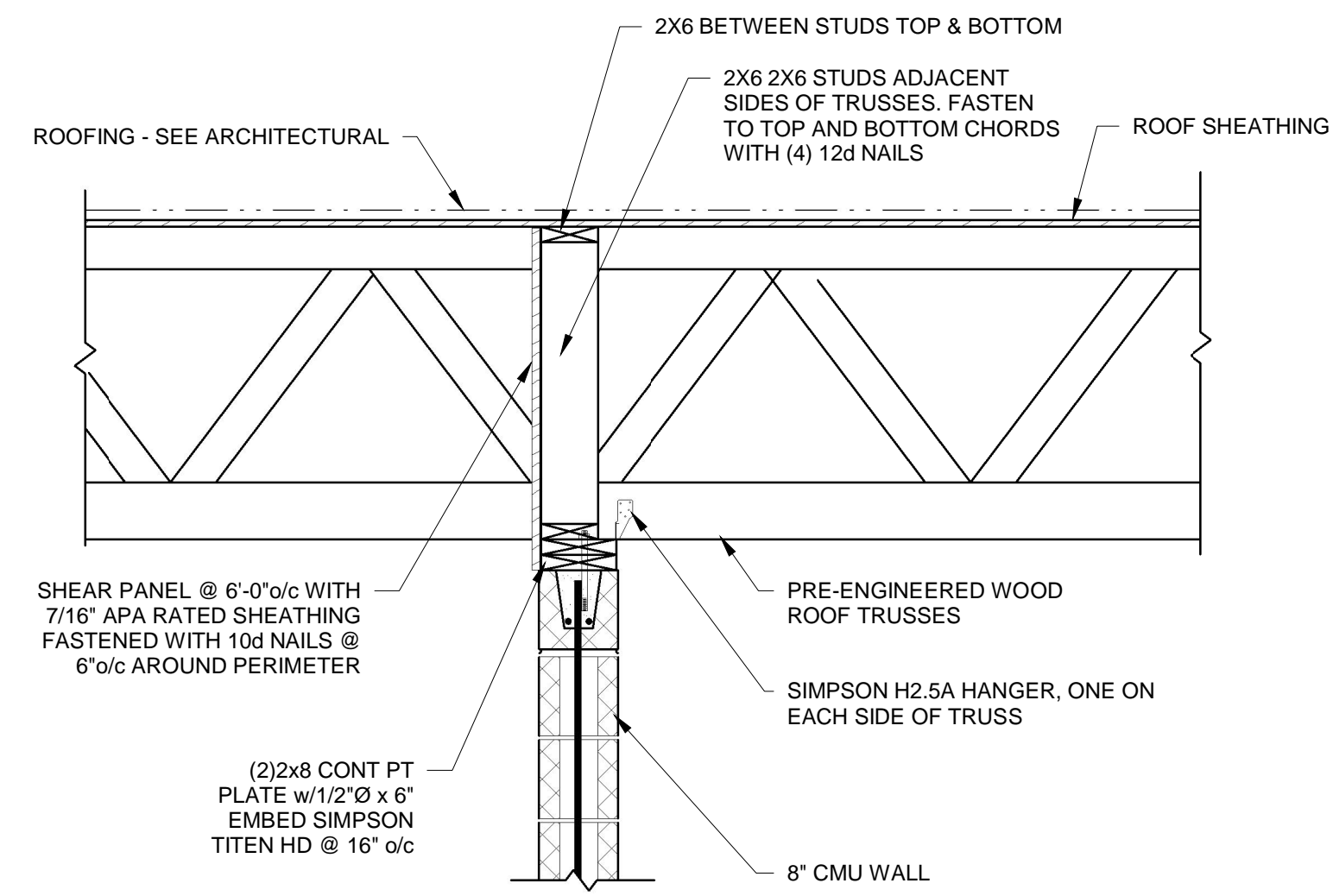
Design Firm:  
**E-E ARCHITECTURE**  
297 PRINCE AVE. SUITE 208  
ATHENS, GEORGIA  
O: 706.850.1330

**FOUNDATION SECTIONS & DETAILS**

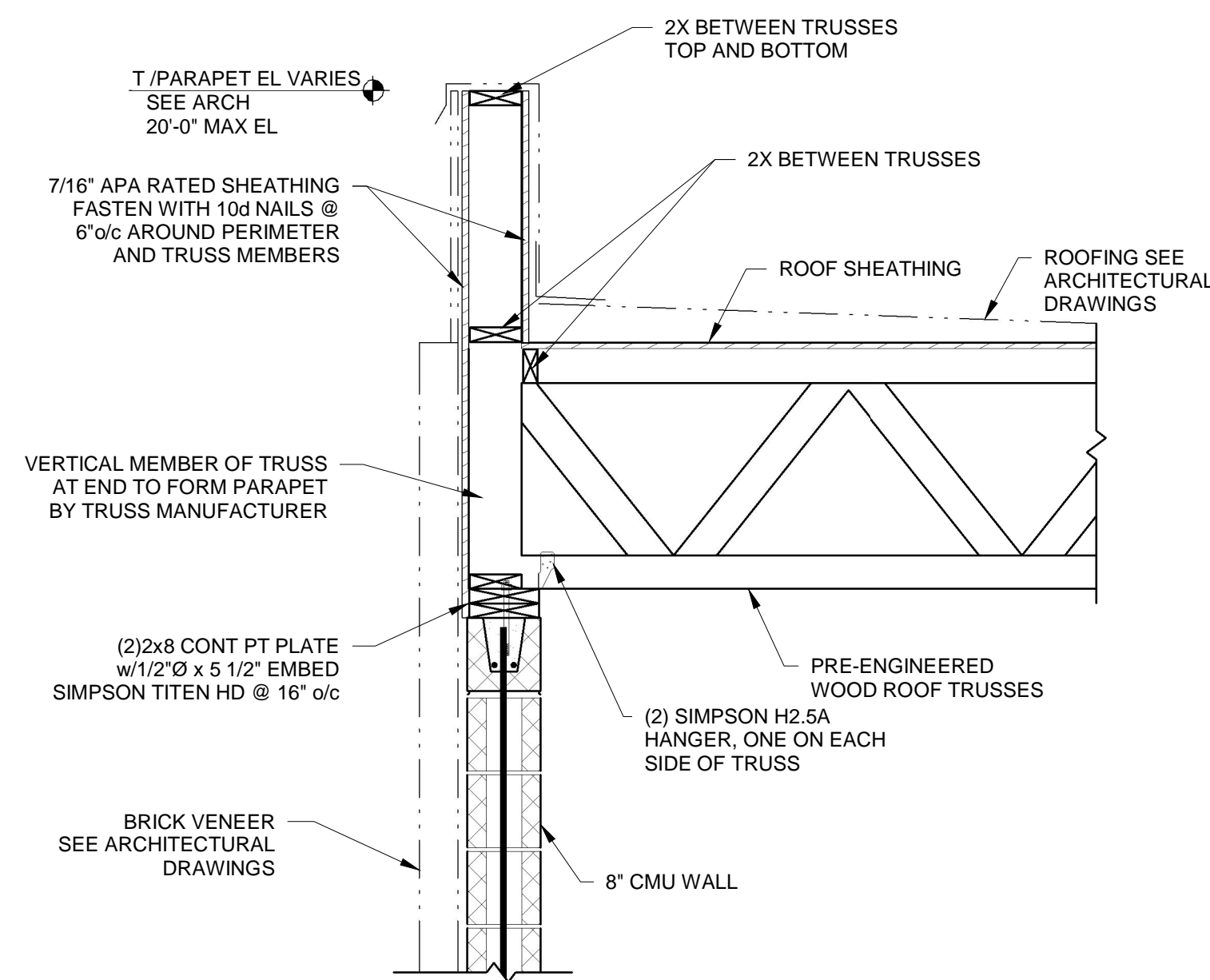
Date: 02.09.2021  
Project Number:  
CAD File Name:  
Drawing Number:

**S301**

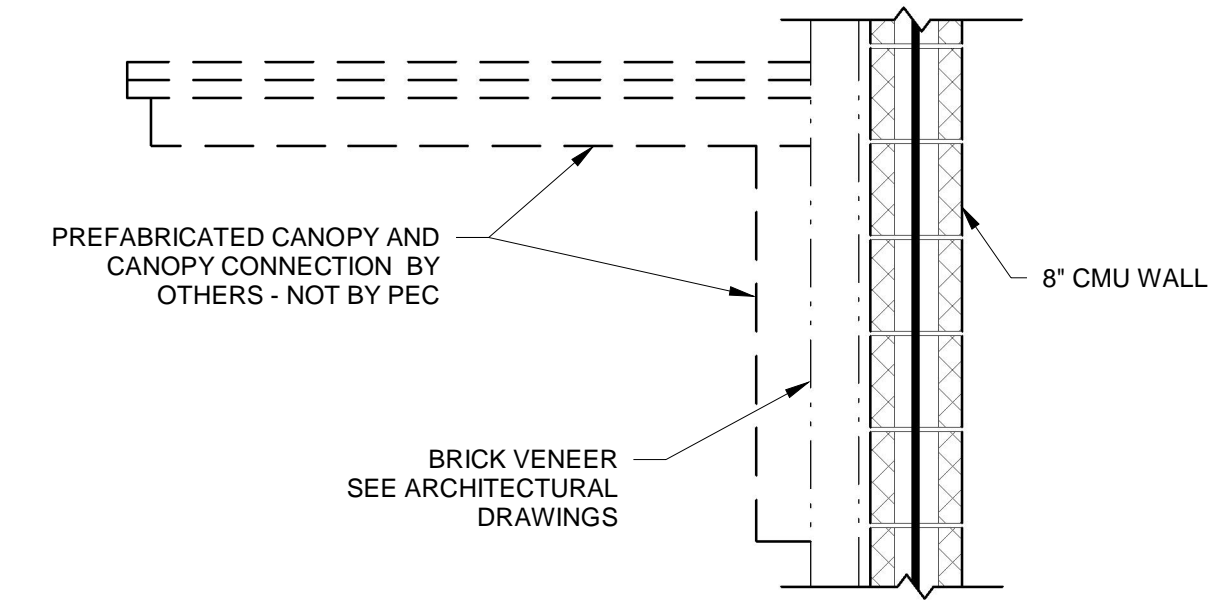




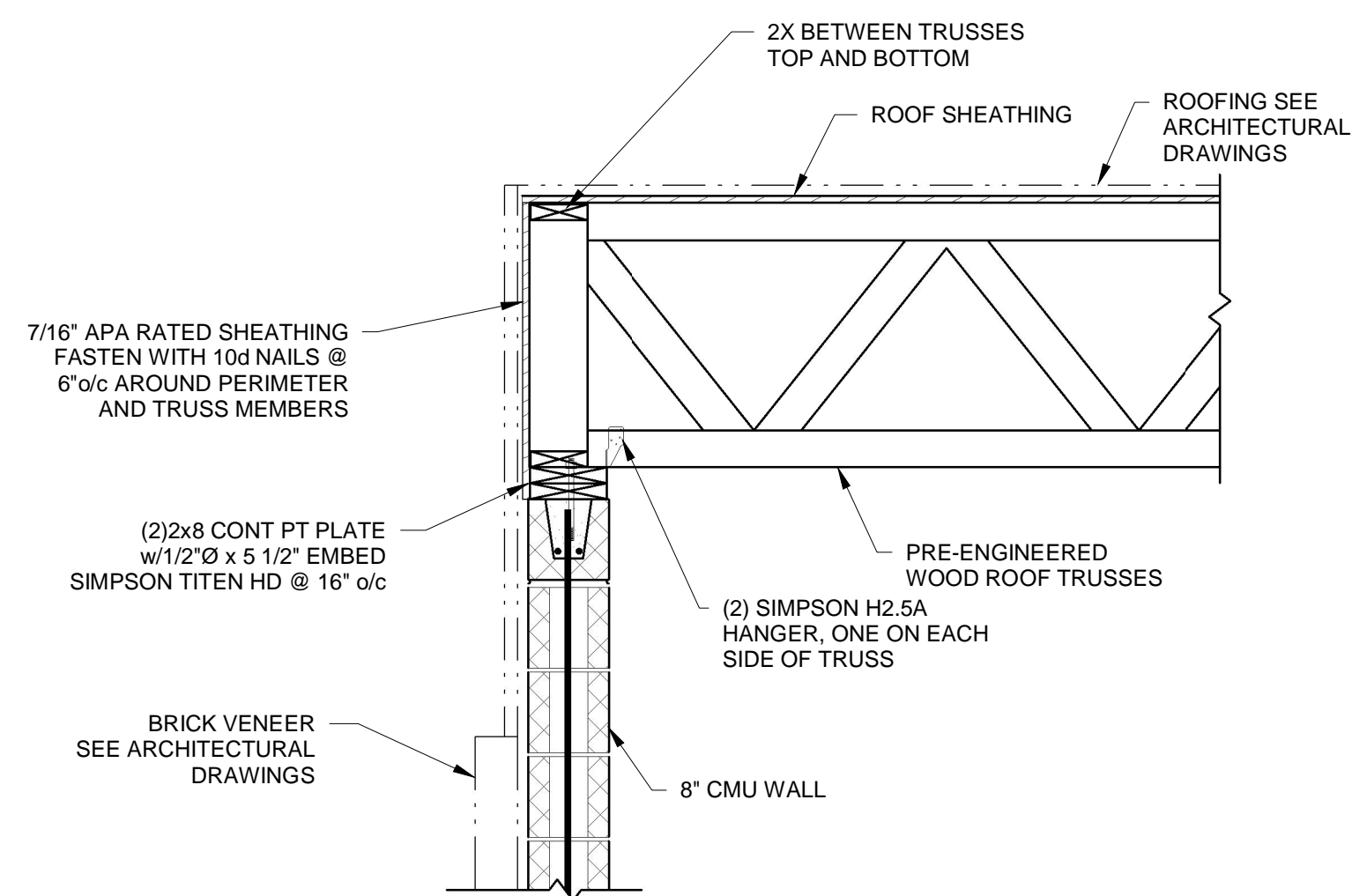
1 SECTION AT ROOF - TRUSS BEARING ON CMU WALL  
S401 3/4" = 1'-0"



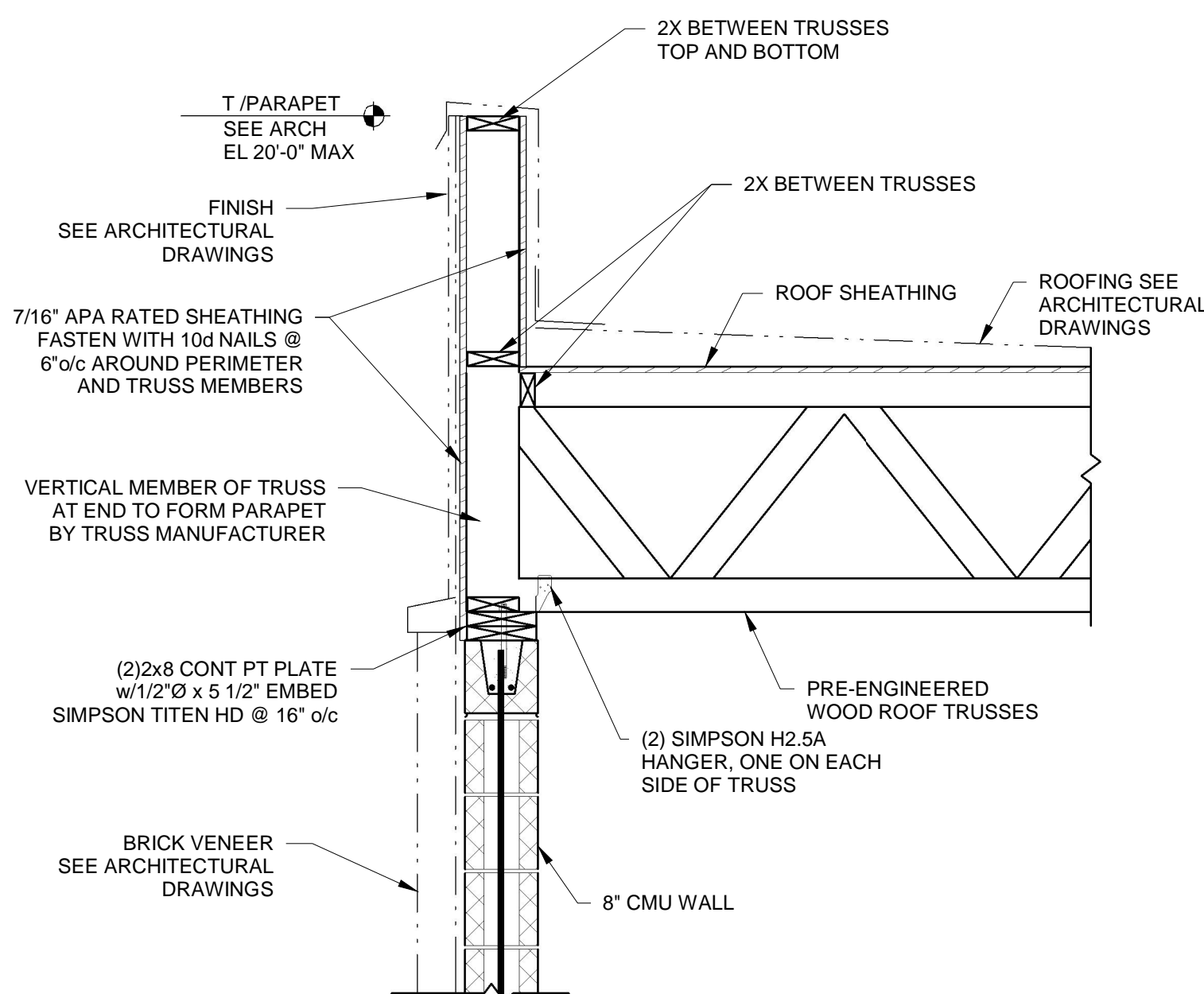
4 SECTION AT ROOF - TRUSS PERPENDICULAR TO CMU WALL WITH PARAPET BRICK LOW  
S401 3/4" = 1'-0"



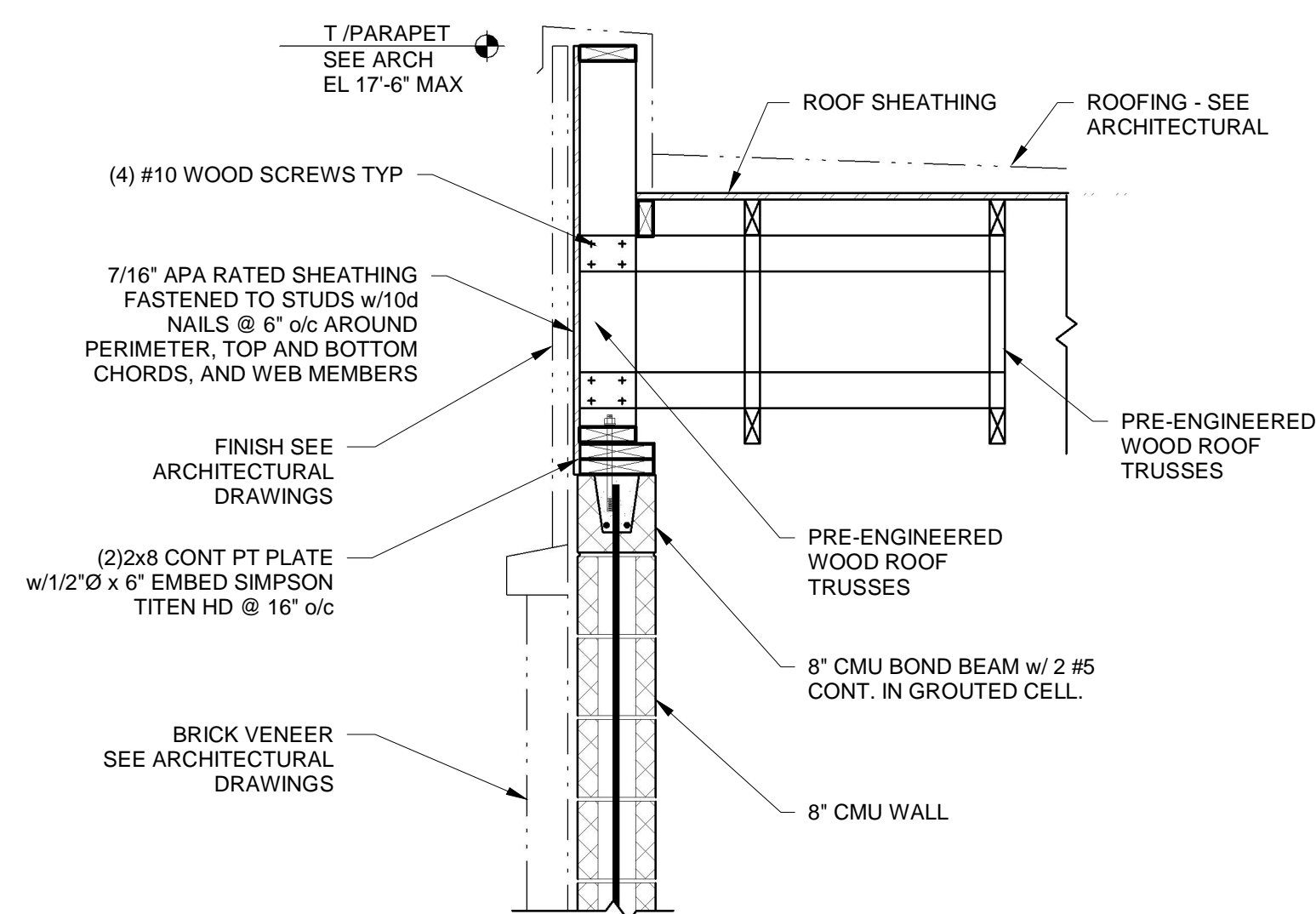
7 SECTION AT PREFABRICATED CANOPY  
S401 3/4" = 1'-0"



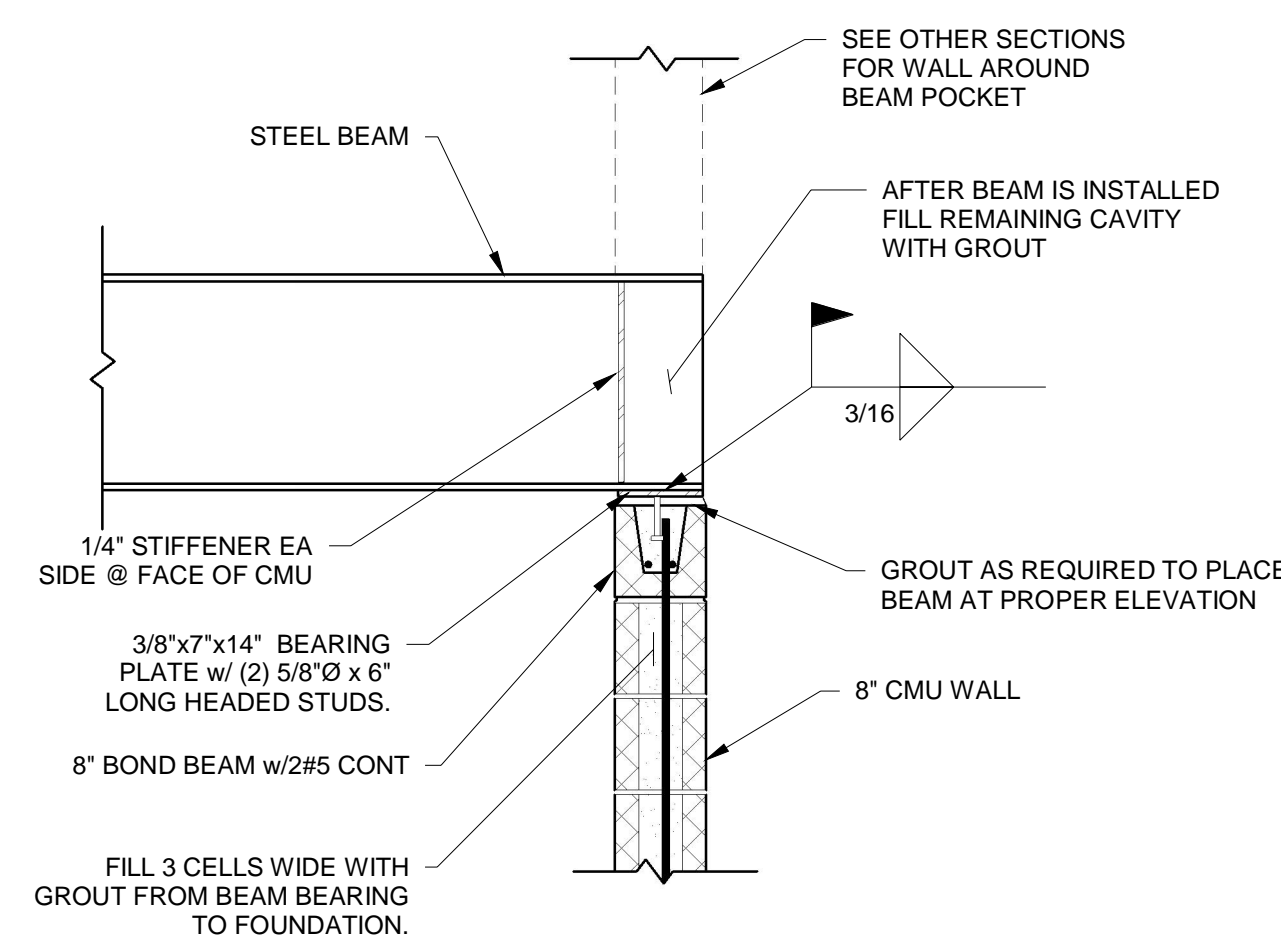
2 SECTION AT ROOF - TRUSS PERPENDICULAR TO CMU WALL  
S401 3/4" = 1'-0"



5 SECTION AT ROOF - TRUSS PERPENDICULAR TO CMU WALL WITH PARAPET  
S401 3/4" = 1'-0"

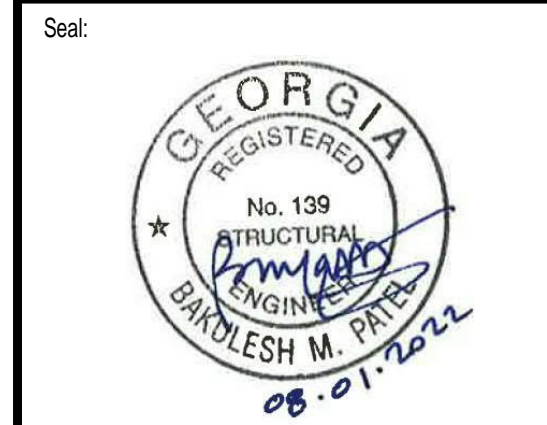


3 SECTION AT ROOF - TRUSS PARALLEL TO CMU WALL  
S401 3/4" = 1'-0"



6 STEEL BEAM BEARING ON CMU WALL  
S401 3/4" = 1'-0"

TOP CAPITAL CAR WASH  
765 DACULA ROAD  
DACULA, GA



No.	Date	Issue Notes

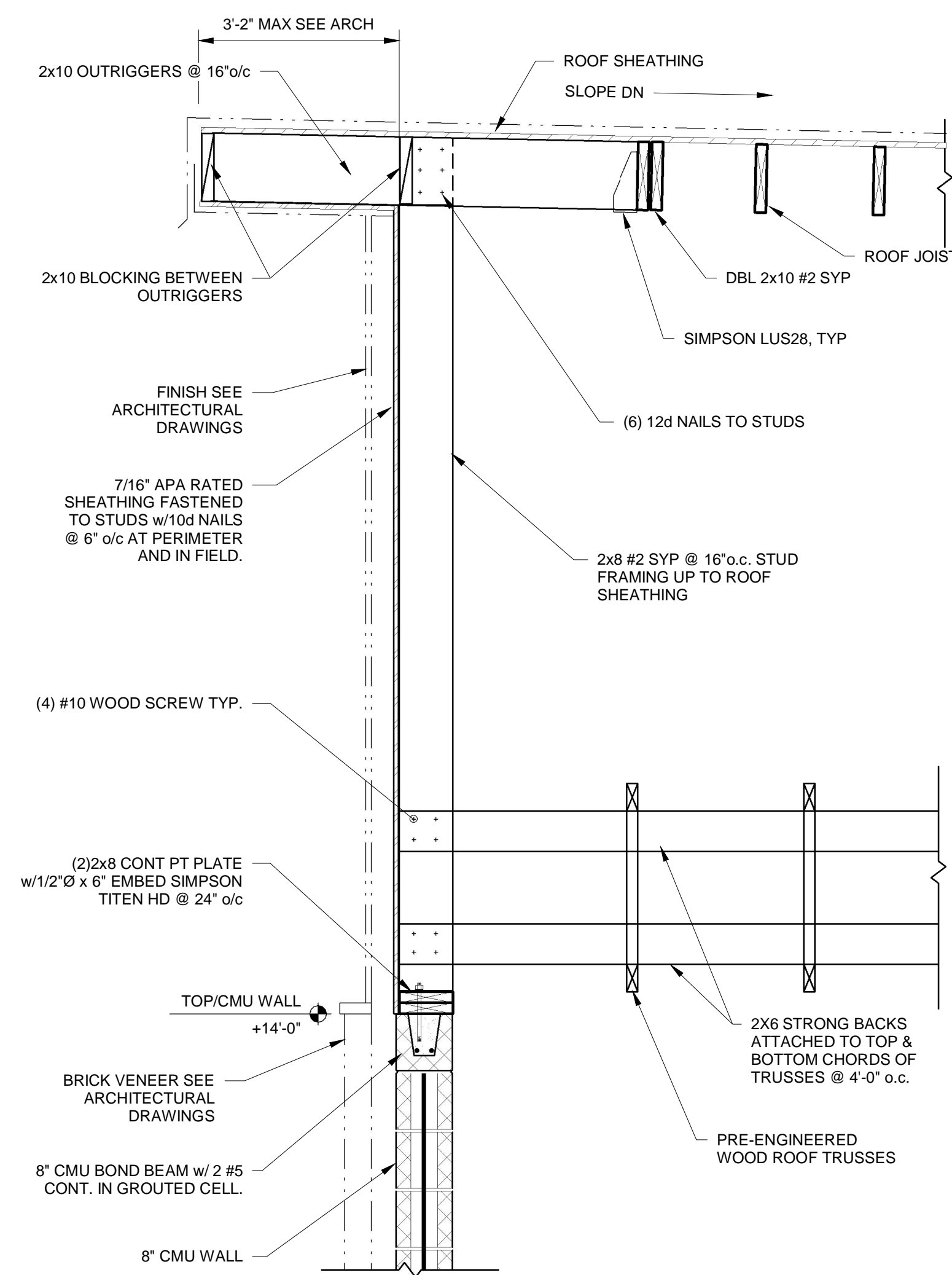
Design Firm

297 PRINCE AVE. SUITE 208  
ATHENS, GEORGIA  
O: 706.850.1330

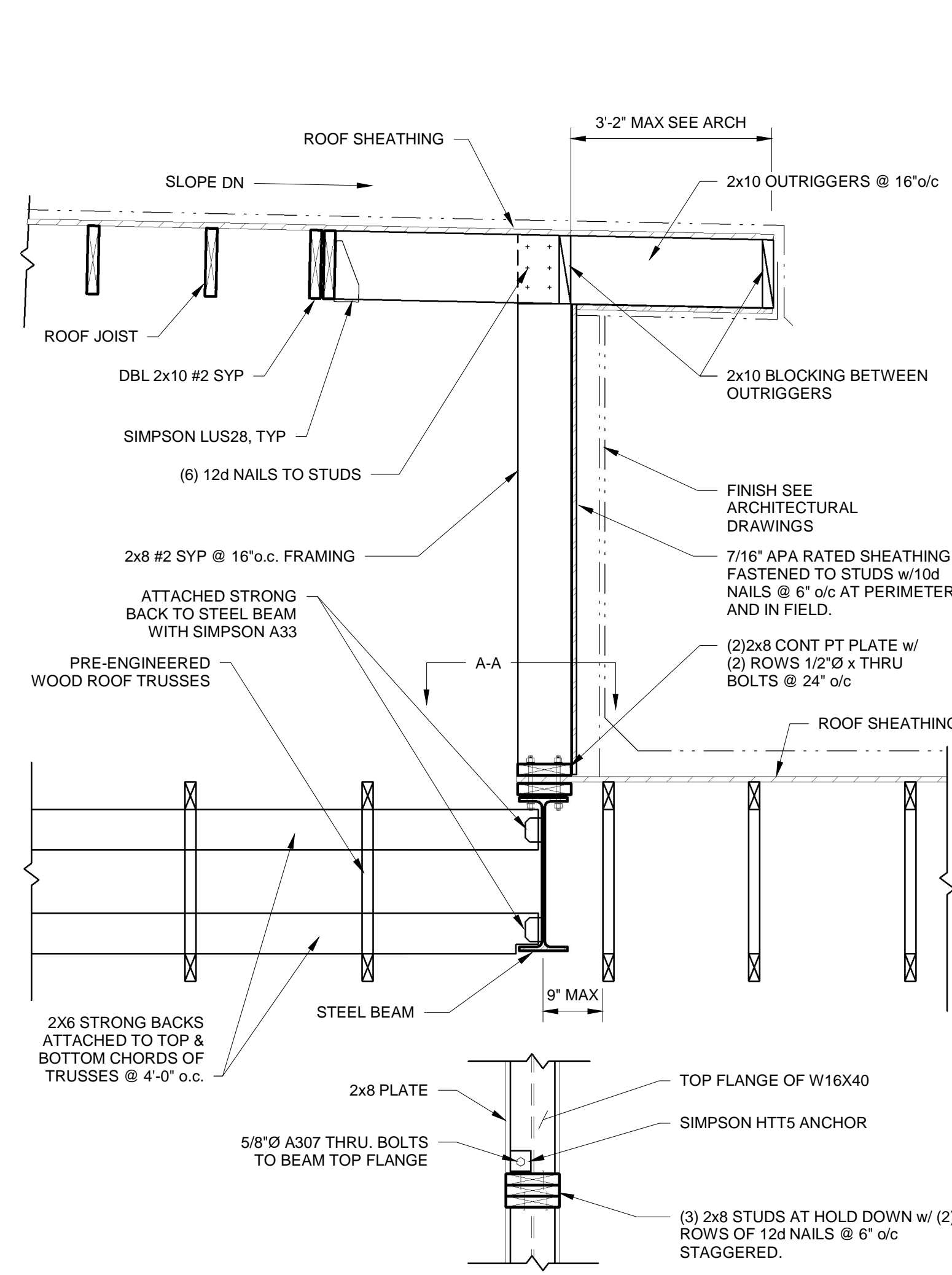
Roof Title: **ROOF SECTIONS AND DETAILS**

Date: 02.09.2021 Project Number:  
CAD File Name:  
Drawing Number:

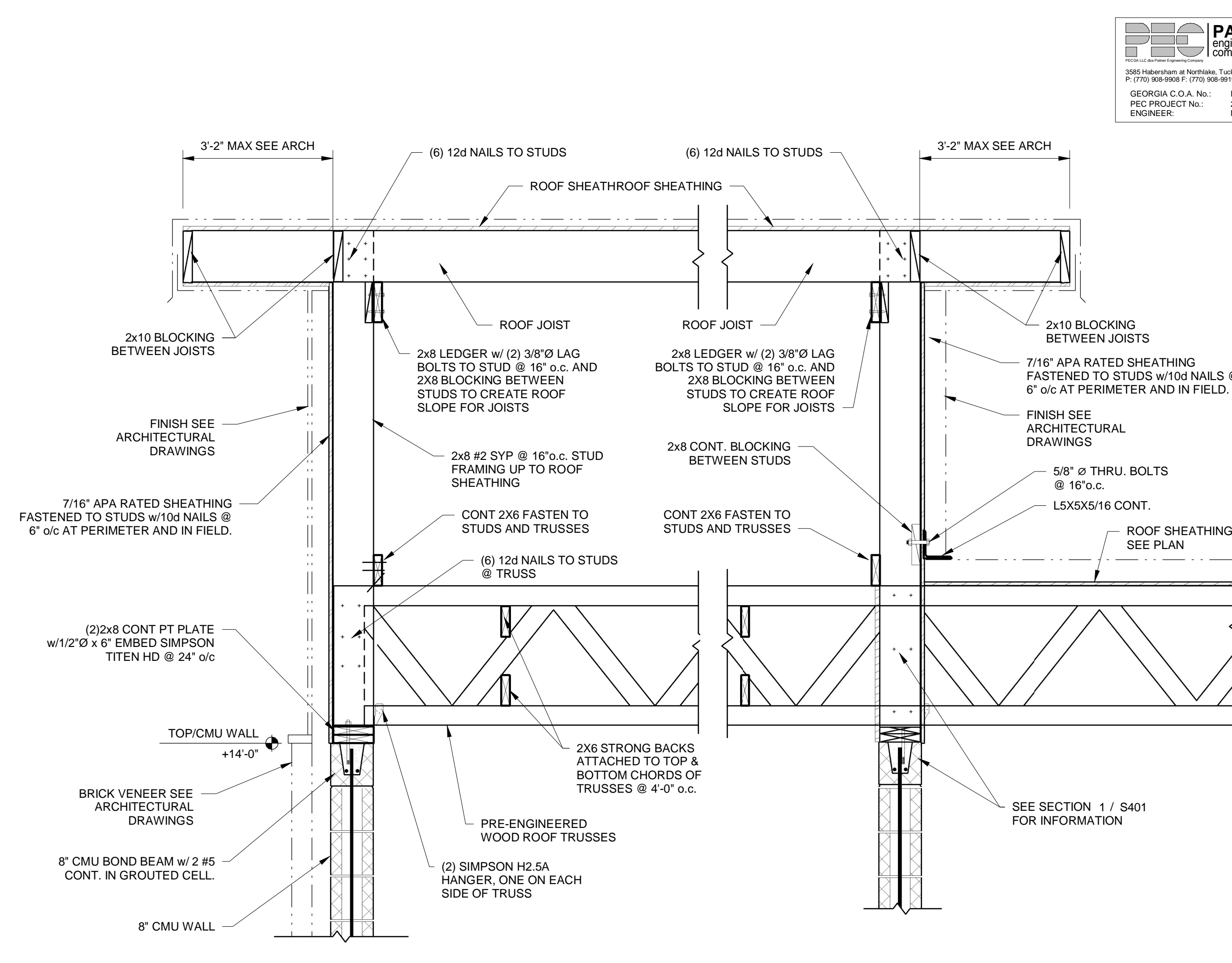
**S401**



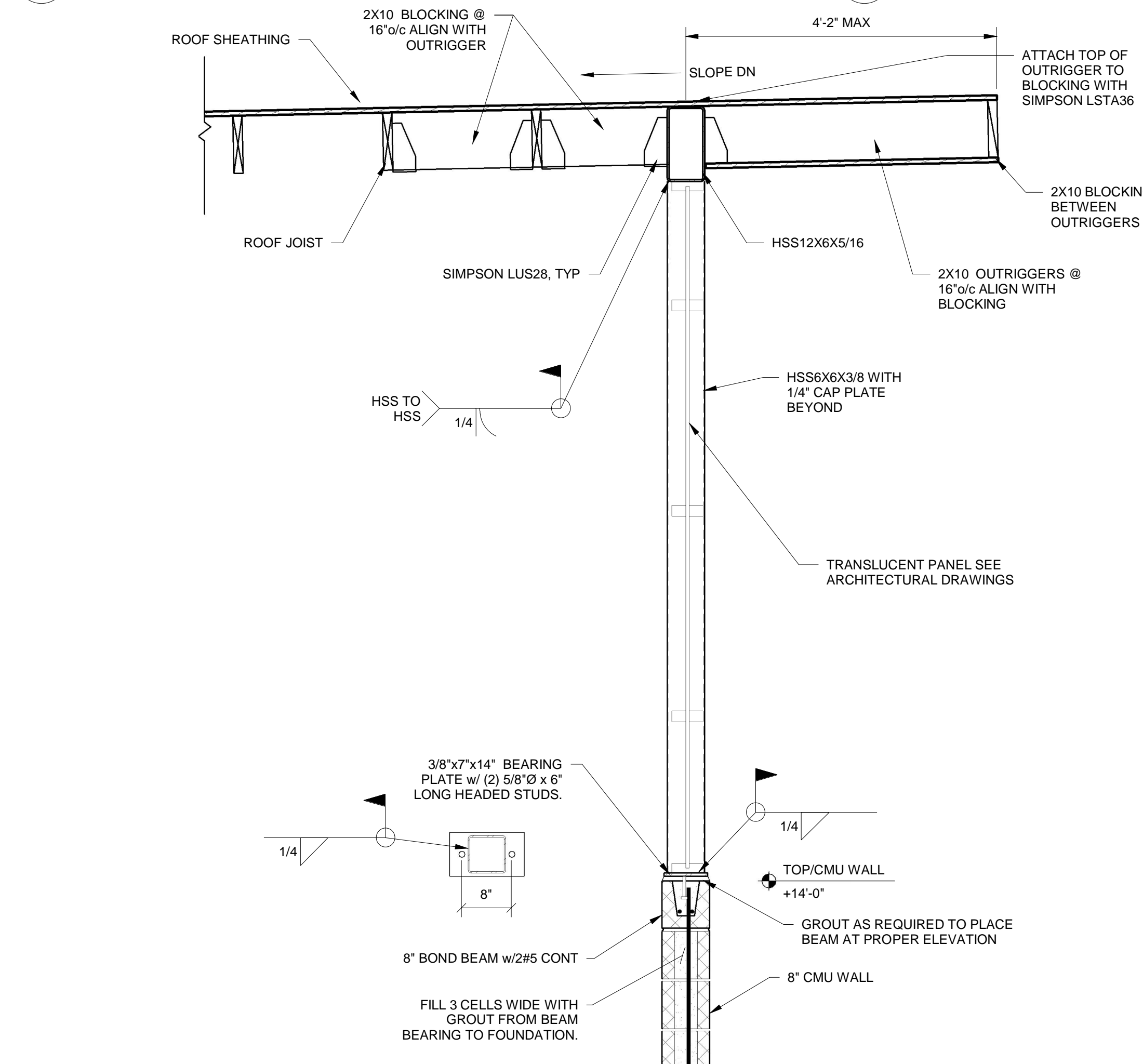
1 SECTION AT HIGH ROOF - TRUSS PARALLEL TO CMU  
S402 3/4" = 1'-0"



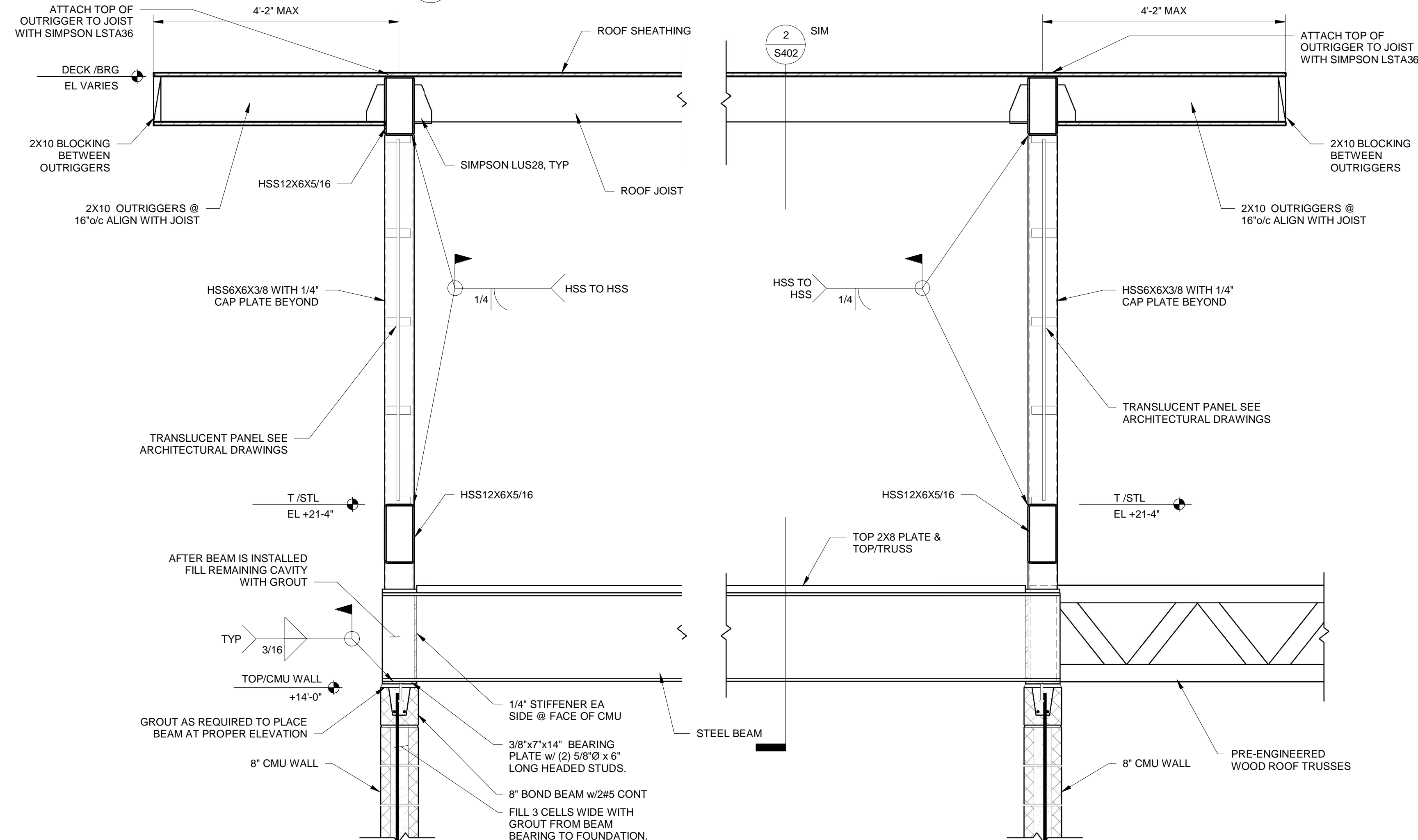
2 SECTION AT HIGH ROOF - TRUSS PARALLEL TO BEAM  
S402 3/4" = 1'-0"



3 SECTION AT HIGH ROOF - TRUSS PERPENDICULAR TO CMU  
S402 3/4" = 1'-0"

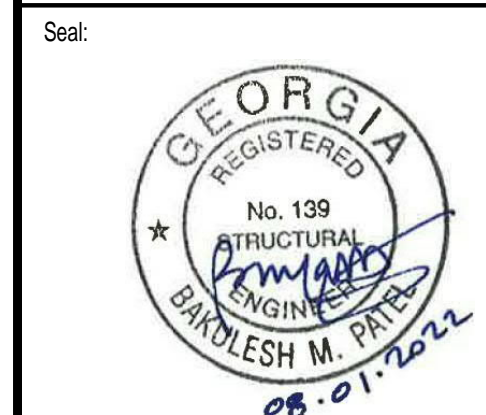


4 SECTION AT ENTRY TOWER HSS POST  
S402 3/4" = 1'-0"



5 SECTION AT ENTRY TOWER AT BEAM  
S402 3/4" = 1'-0"

**TOP CAPITAL CAR WASH**  
765 DACULA ROAD  
DACULA, GA



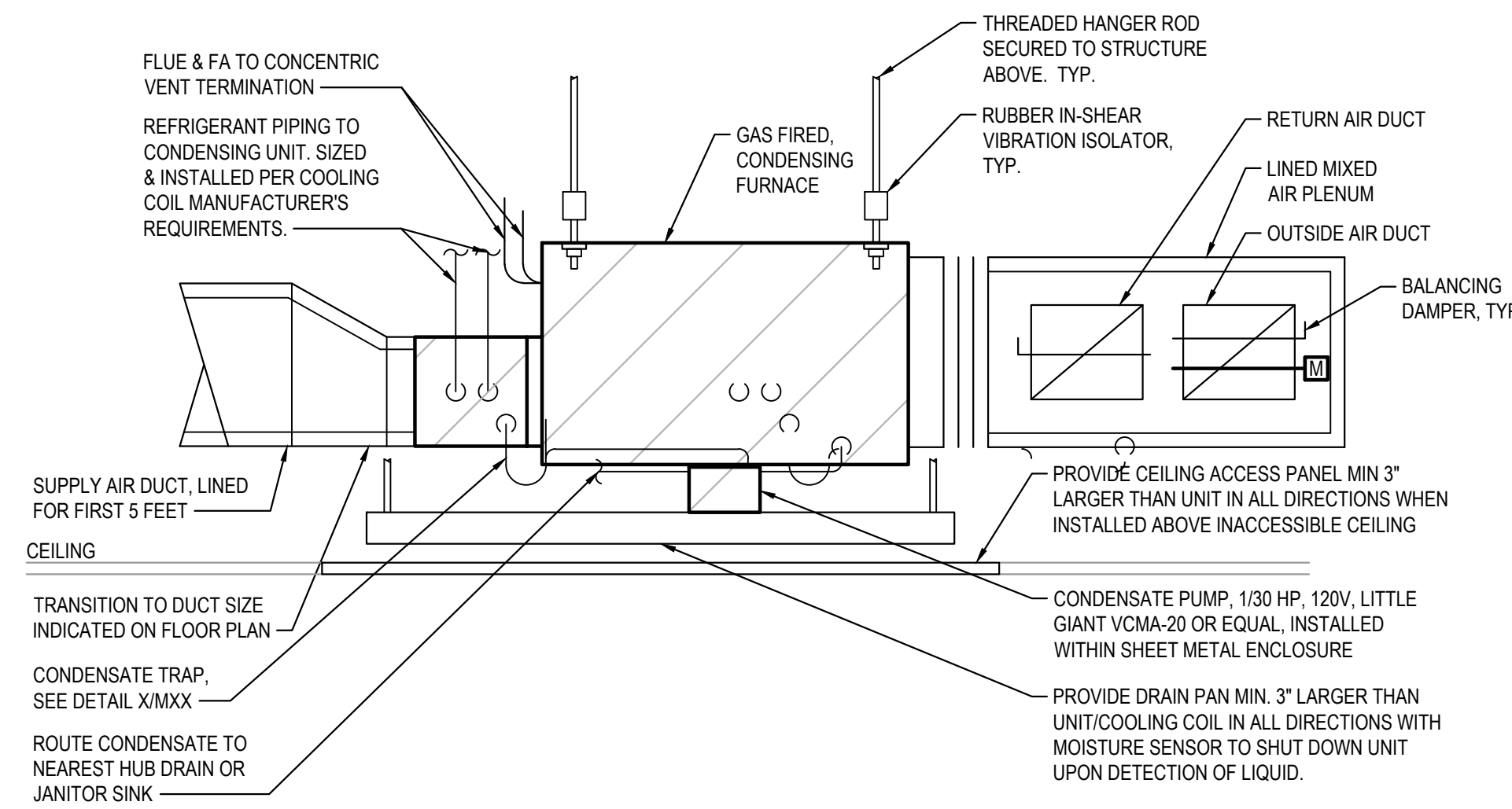
No.	Date	Issue Notes

Design Firm: **E+E ARCHITECTURE**  
297 PRINCE AVE. SUITE 208  
ATHENS, GEORGIA  
O: 706.850.1330

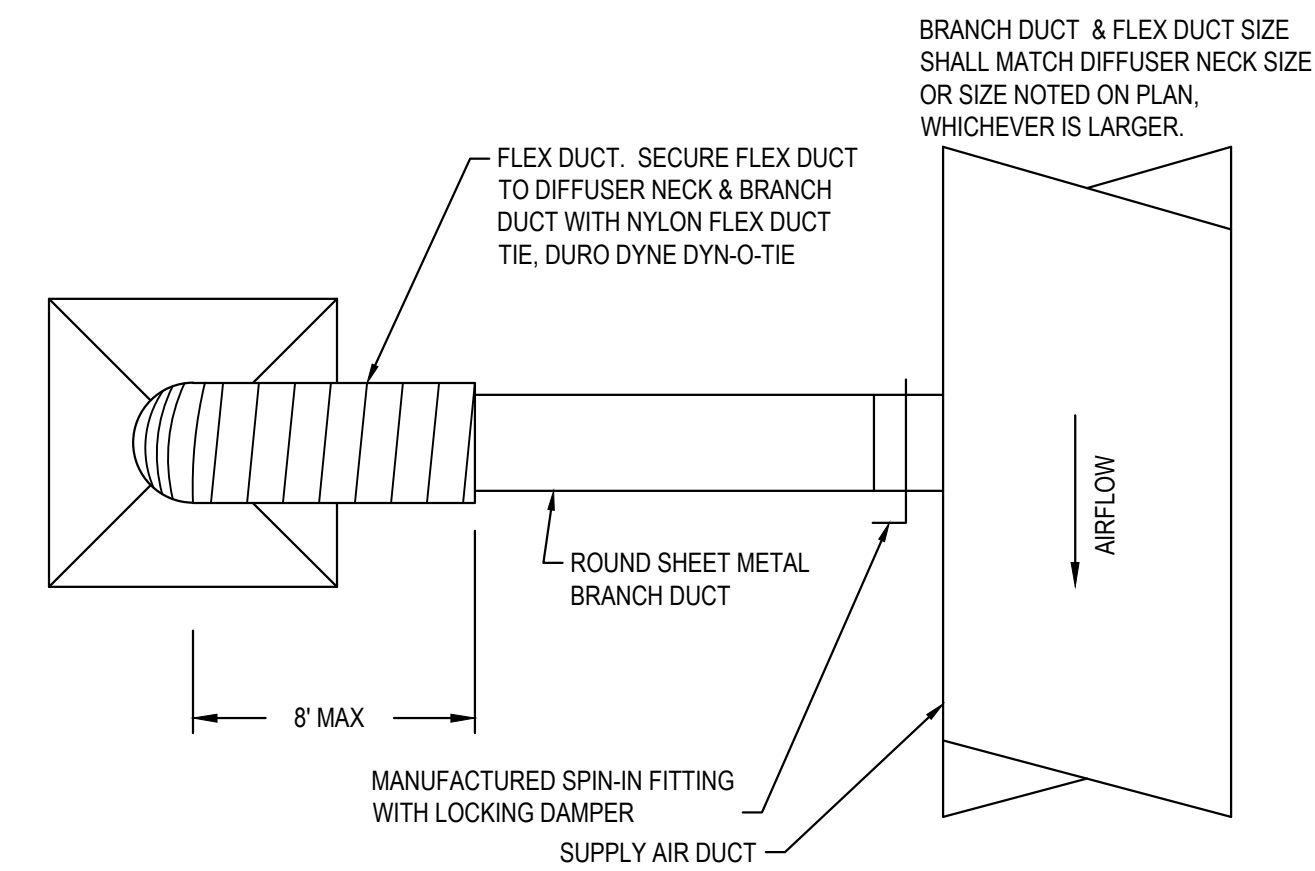
**HIGH ROOF SECTIONS**

Date: 02.09.2021	Project Number:
CAD File Name:	
Drawing Number:	

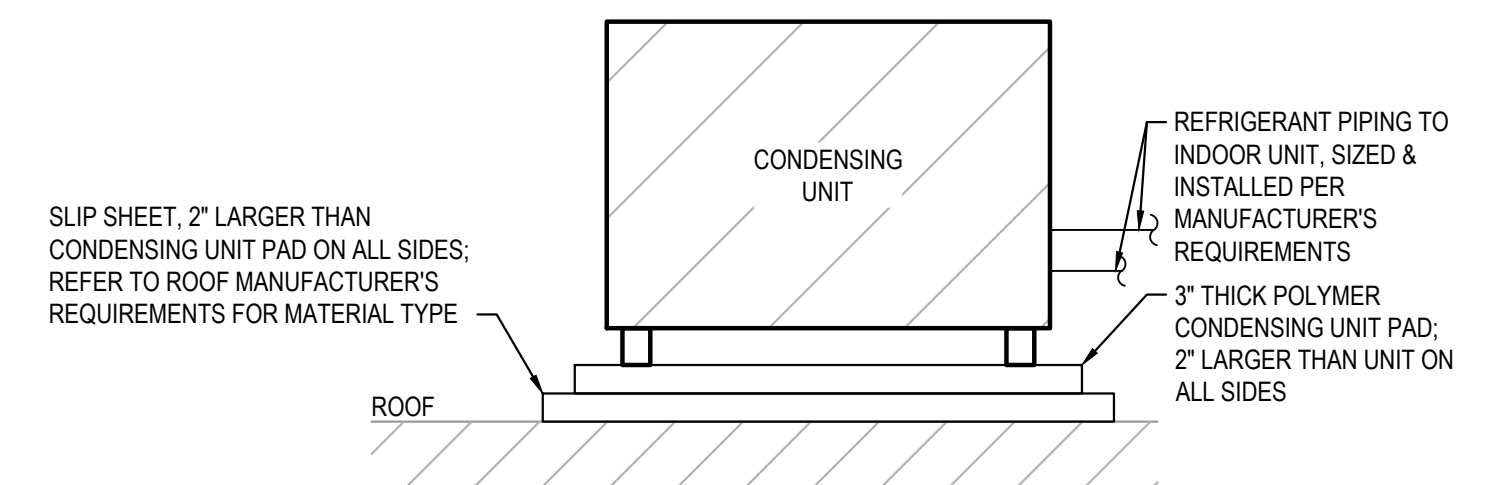
LEGEND		
TAG	SYMBOL	DESCRIPTION
A/C		ABOVE CEILING
AHU		AIR HANDLER
BDD		BACKDRAFT DAMPER
B/F		BELOW FLOOR
CD	☒	CEILING DIFFUSER
CWS&R		CONDENSER WATER SUPPLY & RETURN
CFM		CUBIC FOOT PER MIN.
DB		DRY BULB
	—	NEW DUCT WORK
EXIST.	—	EXISTING DUCT / PIPE
EAT		ENTERING AIR TEMPERATURE
EWT		ENTERING WATER TEMPERATURE
EF		EXHAUST FAN
ER	☒	EXHAUST REGISTER
ESP		EXTERNAL STATIC PRESSURE
FD	↔	FIRE DAMPER
F/SD	↔	COMBINATION FIRE & SMOKE DAMPER
	↕	VERTICAL FIRE DAMPER
	↕	VERTICAL COMBINATION FIRE & SMOKE DAMPER
HP		HORSEPOWER
LAT		LEAVING AIR TEMPERATURE
LWT		LEAVING WATER TEMPERATURE
MD		MANUAL DAMPER
	☒	MOTOR OPERATED DAMPER
OA		OUTSIDE AIR
RA		RETURN AIR
RAG	☒	RETURN AIR GRILLE
SA		SUPPLY AIR
SR		SUPPLY REGISTER
	⊖	THERMOSTAT
	⊖	REMOTE TEMPERATURE SENSOR
	⊖	BALL VALVE
WSHP		WATER SOURCE HEAT PUMP



**2 SUSPENDED HORIZONTAL FURNACE DETAIL**  
SCALE: N.T.S.



**1 DIFFUSER CONNECTION DETAIL**  
SCALE: N.T.S.



**3 CONDENSING UNIT ON ROOF DETAIL**  
SCALE: N.T.S.

**GENERAL NOTES:**

- DRAWINGS ARE SCHEMATIC IN NATURE. CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, TOOLS AND LABOR NECESSARY TO PROVIDE A COMPLETE MECHANICAL SYSTEM COMPLIANT WITH ALL REQUIRED CODES & STANDARDS.
- CONTRACTOR SHALL VISIT THE SITE TO THOROUGHLY EXAMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. IF EXISTING CONDITIONS DIFFER FROM DESIGN DOCUMENTS IN SUCH A MANNER THAT AFFECTS PRICING, THE CONTRACTOR SHALL ADJUST THE BID ACCORDINGLY AND NOTIFY THE OWNER & ENGINEER PRIOR TO SUBMITTING THE BID. NO ALLOWANCES WILL BE MADE FOR LACK OF KNOWLEDGE REGARDING THE EXISTING CONDITIONS.
- ALL RETURN AIR GRILLES, EXISTING AND NEW, SHALL HAVE RETURN AIR BOOTS INSTALLED PER DETAIL 1/M0.1.
- TEST AND BALANCE ALL MECHANICAL EQUIPMENT, AIR DISTRIBUTION DEVICES, ETC. TO THE CONDITIONS INDICATED ON THE FLOOR PLANS AND SCHEDULES. A COPY OF THE REPORT SHALL BE SUBMITTED TO THE OWNER. TEST AND BALANCE AGENCY SHALL BE NEBB OR AABC CERTIFIED.
- ALL CONTROL WORK SHALL BE COMPLETED BY A BASE BUILDING APPROVED CONTRACTOR AND SHALL TIE INTO THE BASE BUILDING ENERGY MANAGEMENT SYSTEM. NEW CONTROL COMPONENTS SHALL BE OF THE SAME MANUFACTURER AS THE EXISTING BUILDING SYSTEM. NO EXCEPTIONS. GRAPHICS SHALL BE UPDATED TO REFLECT ALL RELOCATED & NEW EQUIPMENT. ALL MATERIAL, LABOR AND PROGRAMMING SHALL BE INCLUDED AS A PART OF THIS CONTRACT.
- ALL LOW VOLTAGE CONTROL WIRING SHALL BE INSTALLED AND WIRED TO EQUIPMENT AS A PART OF THIS CONTRACT.
- MATERIALS EXPOSED IN RETURN AIR PLENUMS SHALL BE NON COMBUSTIBLE WITH A FLAME SPREAD INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50.

GAS HEATER SCHEDULE										
TAG	AIRFLOW (CFM)	FAN HP	HEATING INPUT CAPACITY (MBH)	HEATING OUTPUT CAPACITY (MBH)	STAGES	TYPE	MOTOR RPM	VOLTS/PHASE	BASIS OF DESIGN	NOTES
RH-1,2	--	--	40	38	1	INFRARED TUBE HEATER	--	120/1	SPACERAY PTS-40-10-ALC-N5	1,2
DJ-1,2	--	1-1/2	750	600	1	DOOR JET	1625	120/1	DOOR JET JDTE 75	1
UH-1	--	1/35	60	48	1	FORCED AIR	1625	120/1	REZNOR UDAP	1

- NOTES:  
1. PROVIDE WITH ONE HEATING STAGE, CEILING HANGERS, ELECTRONIC IGNITION.  
2. PROVIDE WITH 9' TUBE LENGTH.

AIR DISTRIBUTION SCHEDULE		
TAG	DESCRIPTION	BASIS OF DESIGN
CD	CEILING SUPPLY DIFFUSERS (CD) SHALL BE STEEL, STAMPED LOUVERED DIFFUSER WITH 3 ADJUSTABLE CONES. FACE AREA SHALL BE SUITABLE FOR 24\"/>	TITUS TMS
RAG	RETURN AIR GRILLES (RG) SHALL BE ALUMINUM EGGCRATE WITH ALUMINUM BORDER SIZED FOR INSTALLATION IN A 24\"/>	TITUS 50F
SR	SUPPLY REGISTERS (SR) SHALL BE STEEL, DOUBLE DEFLECTION TYPE PROVIDED WITH OPPOSED BLADE DAMPER, OUTER MOST SET OF DEFLECTORS PARALLEL TO THE SHORT DIMENSION AND FACTORY APPLIED, WHITE, BAKED ENAMEL FINISH.	TITUS 300RS

FAN SCHEDULE										
TAG	AIRFLOW (CFM)	ESP (IN W.C.)	MOTOR HP	FAN RPM	DRIVE TYPE	VOLTS/PHASE	NOISE (SONES)	TYPE	BASIS OF DESIGN	NOTES
EF-1,2	75	0.5	80 W	950	DIRECT	120/1	3	CEILING EXHAUST	GREENHECK SP-B110	1,2
EF-3	300	0.5	115 W	1400	DIRECT	120/1	1.5	CEILING EXHAUST	GREENHECK SP-A250	1,3
EF-4	1000	0.25	1/6	1550	DIRECT	120/1	14.1	WALL EXHAUST	GREENHECK SE2-16-427-B6	1,3,4,5

- NOTES:  
1. PROVIDE WITH BACKDRAFT DAMPER.  
2. FAN SHALL BE INTERLOCKED WITH LIGHTS.  
3. PROVIDE WITH LINE VOLTAGE THERMOSTAT, BACKDRAFT DAMPER AND SPEED CONTROLLER FOR BALANCING.  
4. PROVIDE WITH EXIT LOUVER WITH GRAVITY DAMPER.  
5. PROVIDE WITH THRU WALL SLEEVE.

GAS FURNACE SPLIT SYSTEMS																			
TAG	SUPPLY AIR (CFM)	ESP (IN W.C.)	OUTSIDE AIR (CFM)	BLOWER MOTOR POWER (HP)	COOLING					GAS HEATING				VOLTAGE/PHASE		ORIENTATION	BASIS OF DESIGN (INDOOR / OUTDOOR)	NOTES	
					TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EAT DB/WB (°F)	OUTDOOR TEMP DB (°F)	MIN SEER	STAGE 1 INPUT (MBH)	STAGE 1 OUTPUT (MBH)	STAGE 2 INPUT (MBH)	STAGE 2 OUTPUT (MBH)	MIN AFUE	INDOOR UNIT (V/Ø)				OUTDOOR UNIT (V/Ø)
GF/CU-1	1,200	0.5	200	1/2	33.9	25.6	80 / 67	95.0	14.0	52.0	50.0	80.0	76.8	96	120/1	208/1	HORIZONTAL	TRANE S9V2*080 / 4TTA4036	1-4

- NOTES:  
(1) STATIC PRESSURE SPECIFIED IS EXTERNAL TO THE UNIT AND DOES NOT INCLUDE ANY PRESSURE LOSSES FOR COILS, FILTERS, ETC.  
(2) PROVIDE WITH DIGITAL, 7-DAY PROGRAMMABLE THERMOSTAT WITH PROGRAMABLE OCCUPANCY PERIODS.  
(3) INTERLOCK ASSOCIATED MOTORIZED OUTSIDE AIR DAMPER WITH THERMOSTAT TO OPEN DAMPER DURING OCCUPIED PERIODS.  
(4) PROVIDE WITH COMBUSTION AIR / CONCENTRIC VENT TERMINATION KIT.

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

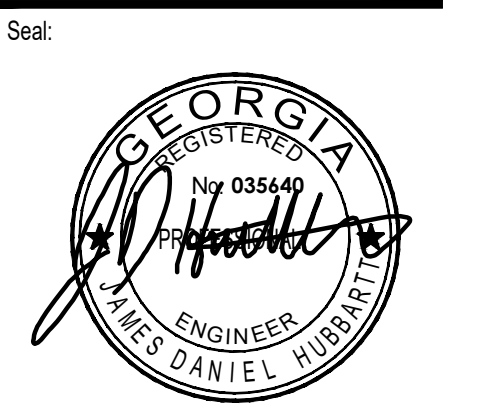
E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

**CONSULTING ENGINEERS:**

PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770)908-9908

WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328  
WE# 22164

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**



No.	Date	Issue Notes



**LEGEND, NOTES, DETAILS & SCHEDULES**

Date: 8.1.2022	Project Number: 2021-83
CEO File Name:	

Drawing Number

**M-0.1**



THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

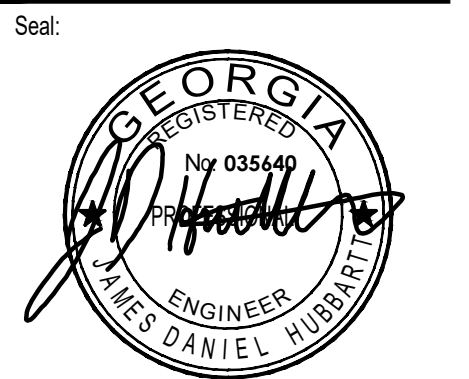
E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

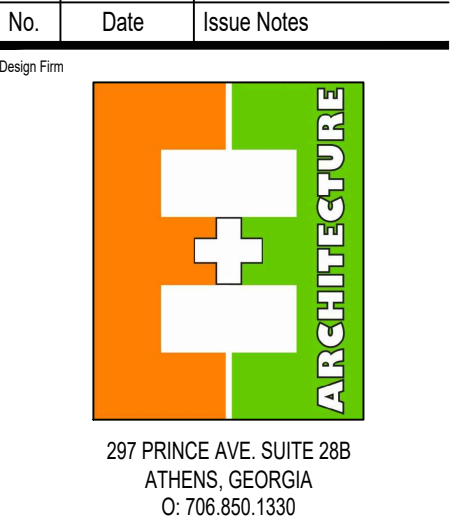
PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770)908-9908

WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328  
WE# 22164

**TOP CAPITAL CAR WASH**  
765 DACULA ROAD  
DACULA, GA



No.	Date	Issue Notes

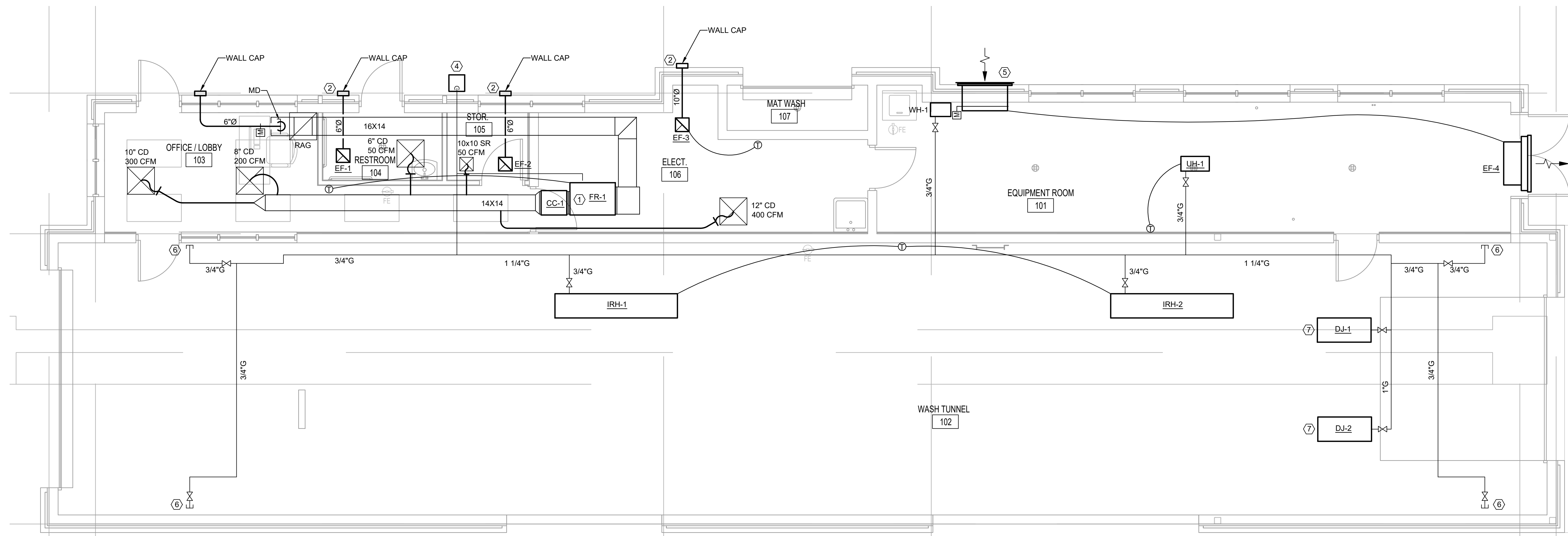


Drawing Title

**MECHANICAL PLAN**

Date	8.1.2022	Project Number	2021-83
CAO File Name			
Drawing Number			

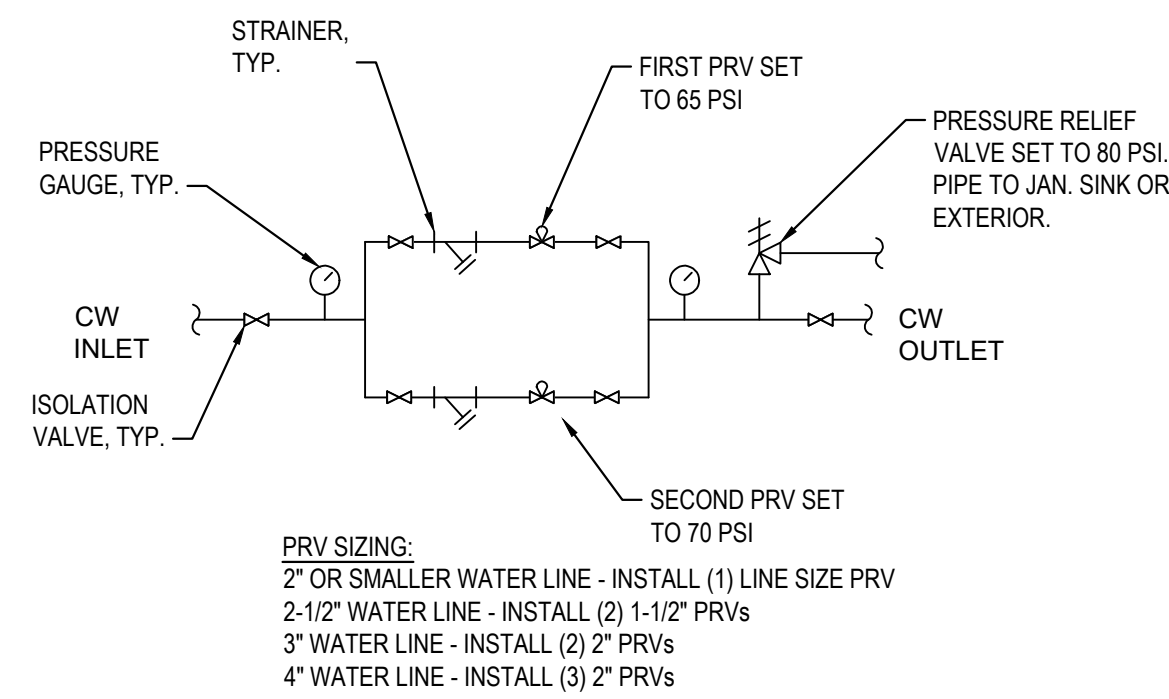
**M-1.1**



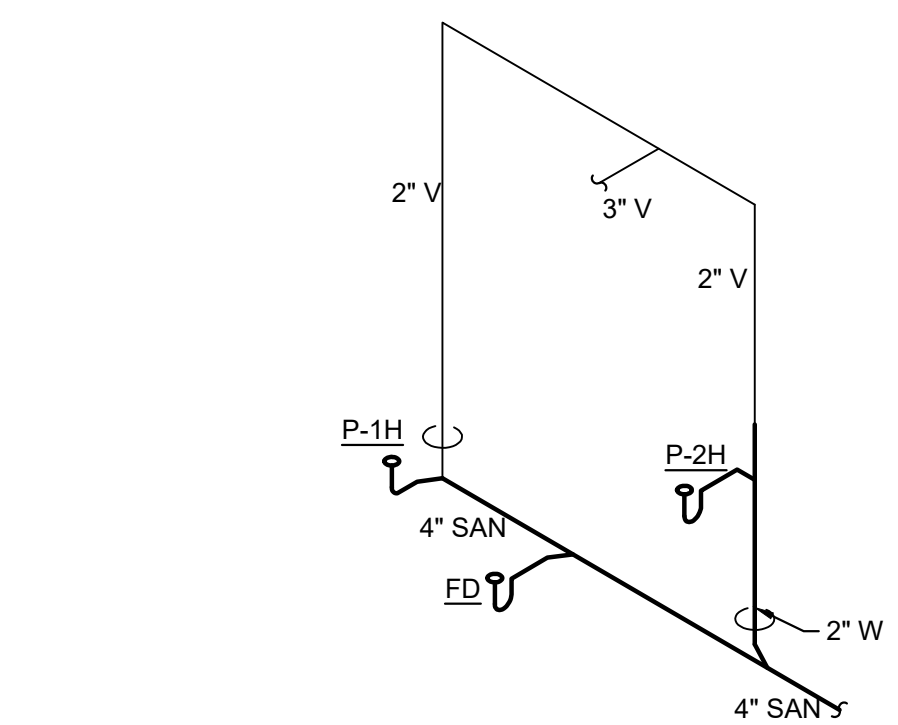
**1 MECHANICAL PLAN**  
1/4" = 1'-0"

- KEY NOTES:**
1. RUN 3/4" CONDENSATE DN THROUGH EXTERIOR WALL, ELBOW OUT & SPILL ON GRADE.
  2. TERMINATE EXHAUST AIR DUCT MINIMUM 10 FT. AWAY FROM OUTSIDE AIR INTAKE.
  3. FIELD COORDINATE EXACT LOCATION OF DRYER CONNECTION WITH EQUIPMENT.
  4. NEW 2PSI GAS METER. COORDINATE WITH UTILITY COMPANY. SEE GAS LOAD SUMMARY. EQUIVALENT LENGTH 150'.
  5. 24X18 RUSKIN ELF675 LOUVER WITH MOTORIZED DAMPER INTERLOCKED WITH EF-4 HIGH ON WALL.
  6. PROVIDE VALVED & CAPPED POINT OF CONNECTION FOR FUTURE PORTABLE GAS EQUIPMENT. STUB AT WALL AT 48" AFF. COORDINATE LOCATION WITH OWNER.
  7. PROVIDE VALVED & CAPPED POINT OF CONNECTION FOR 750 MBH GAS HEATER/BLOWER. STUB AT ROOF LEVEL. COORDINATE LOCATION WITH OWNER.

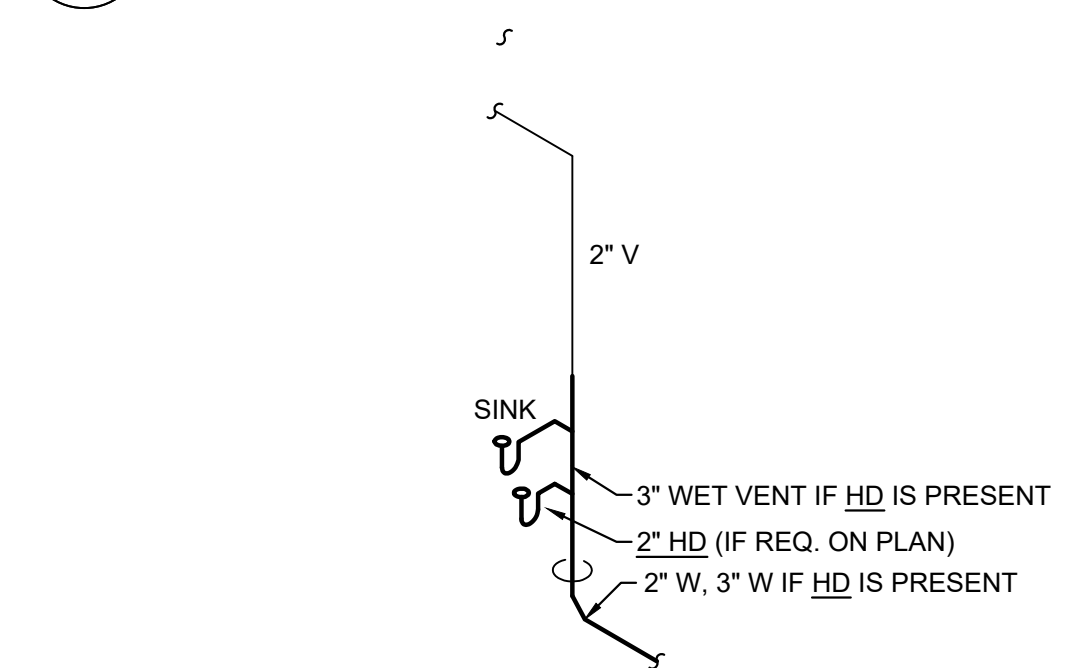
LEGEND		
TAG	SYMBOL	DESCRIPTION
A/C		ABOVE CEILING
AFF		ABOVE FINISHED FLOOR
AHU		AIR HANDLING UNIT
B/F		BELOW FLOOR
B/G		BELOW GRADE
CO		CLEAN OUT
CW		DOMESTIC COLD WATER
		CHECK VALVE
		NEW WORK
EXIST.		EXISTING PIPE / EQUIPMENT
FCU		FAN COIL UNIT
FCO		FLOOR CLEAN OUT
FD		FLOOR DRAIN
FDC		FIRE DEPARTMENT CONNECTION
FS		FLOOR SINK
HB		HOSE BIBB
HD		HUB DRAIN
HW		DOMESTIC HOT WATER
HWR		HOT WATER RETURN
NFWH		NON FREEZE WALL HYDRANT
SAN		SANITARY PIPING
ST		STORM PIPING
V		VENT PIPING
VTR		VENT THROUGH ROOF
		BALL VALVE
WCO		WALL CLEAN OUT
W		WASTE PIPING
WSHP		WATER SOURCE HEAT PUMP



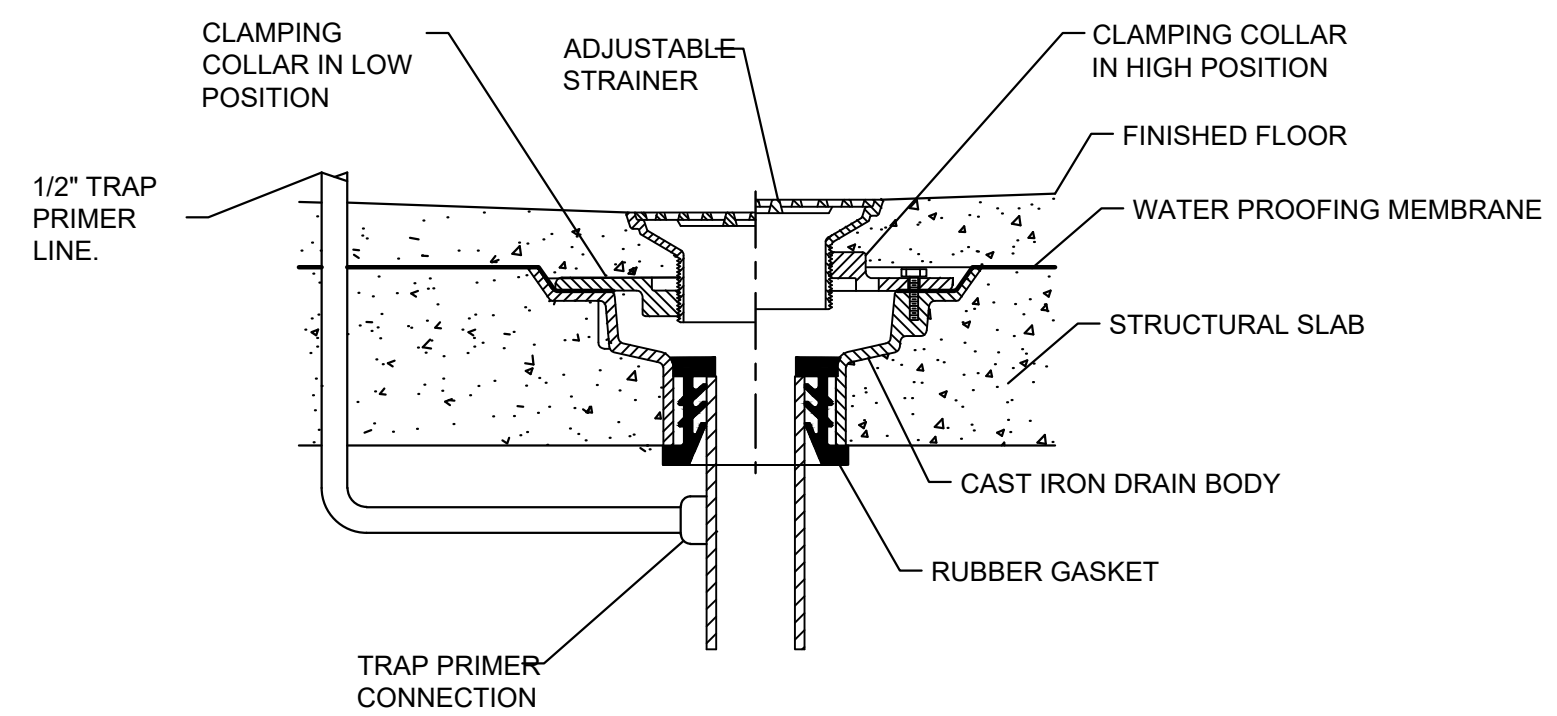
**1 PRV DETAIL**  
SCALE: T.S.



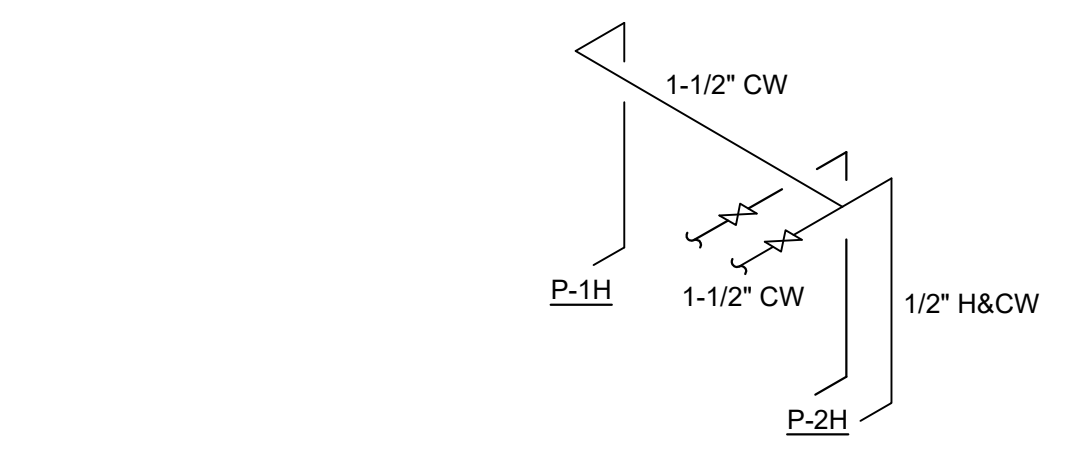
**6 TYP. RESTROOM - SAN & VENT RISER**  
SCALE: N.T.S.



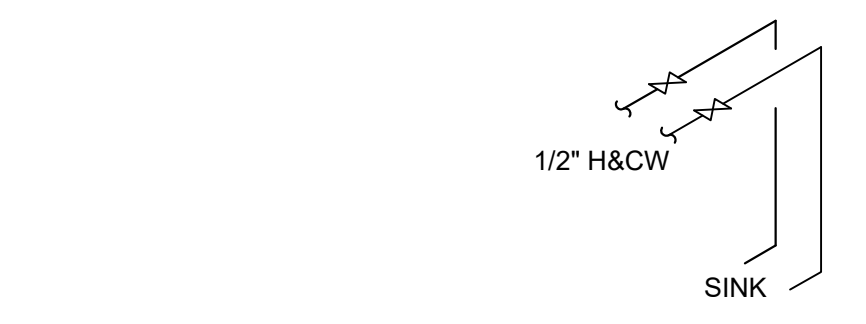
**4 TYP. SINGLE SINK - SAN & VENT RISER**  
SCALE: T.S.



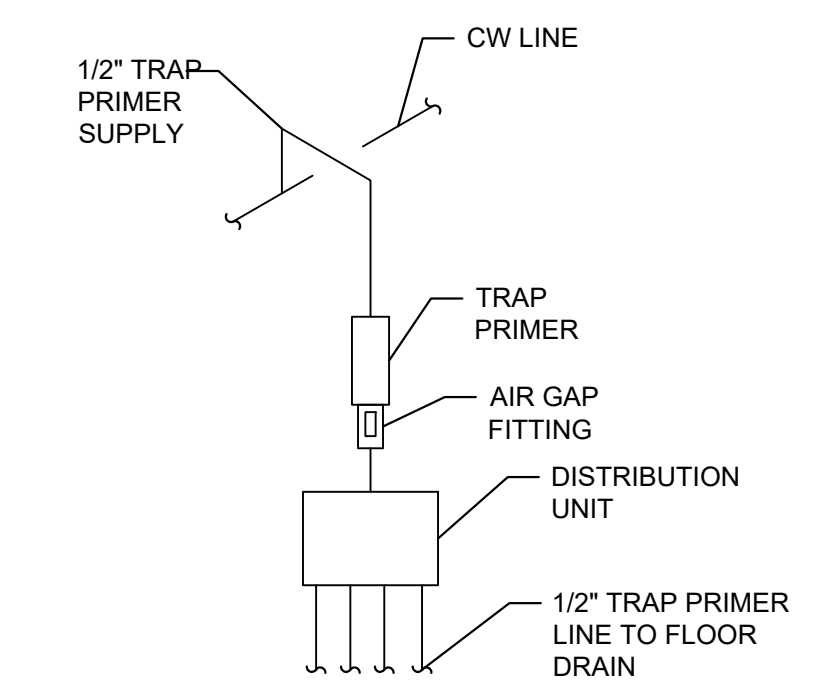
**2 FLOOR DRAIN DETAIL**  
SCALE: N.T.S.



**7 TYP. RESTROOM - DOMESTIC WATER RISER**  
SCALE: N.T.S.



**5 TYP. SINGLE SINK - DOMESTIC WATER RISER**  
SCALE: T.S.



**3 TRAP PRIMER DETAIL**  
SCALE: N.T.S.

GAS WATER HEATER SCHEDULE							
TAG	CAPACITY (GAL)	INPUT MBH	EFFICIENCY	RECOVERY RATE (GPH @ 100F)	VOLTS/PHASE	BASIS OF DESIGN	NOTES
WH-1	--	199	93%	235	120/1	AO SMITH BTH-199	1

NOTES:  
 (1) PROVIDE WITH CONDENSATE NEUTRALIZATION KIT AND CONCENTRIC WALL TERMINATION KIT.

PLUMBING FIXTURES & CONNECTION SCHEDULE							
TAG	FIXTURE	CW	HW	WASTE	VENT	FIXTURE SPECIFICATION	
P-1H	ADA WATER CLOSET	3/4"	--	4"	2"	ADA COMPLIANT, WHITE VITREOUS CHINA, FLOOR MOUNT, ELONGATED, 17" HIGH BOWL WITH 1.28 GPF FLUSH, FLUSH HANDLE ON OPEN SIDE OF FIXTURE AND SOLID PLASTIC ANTIMICROBIAL OPEN FRONT SEAT WITH SELF SUSTAINING CHECK HINGES. BASIS OF DESIGN: KOHLER K-4199 TOILET, KOHLER K-4467 TANK AND KOHLER K-4731-SC SEAT.	
P-2H	LAVATORY - WALL HUNG	1/2"	1/2"	2"	1-1/2"	ADA COMPLIANT, WHITE VITREOUS CHINA, WALL MOUNTED LAVATORY WITH PIPING SHROUD, GRID STRAINER, TAIL PIECE, OFFSET P-TRAP, SERVICE STOPS, 0.5 GPM, SOLID BRASS, TWO HANDLE, WIDE SPRED, GOOSE NECK FAUCET WITH NICKLE STAINLESS FINISH, SINGLE HOLE PUNCHING. BASIS OF DESIGN: KOHLER K-2035 SINK AND DELTA 3559-MPU-DST.	
P-3	MOP SINK	3/4"	3/4"	3"	2"	24"x24" TERRAZO FLOOR MOUNTED MOP SINK WITH FULL PERIMETER STAINLESS STEEL CAP, 3" CAULKED DRAIN CONNECTION, STAINLESS STEEL GRID STRAINER, 36X36 STAINLESS STEEL WALL PANELS ON ALL ADJACENT WALLS, 36" LONG HOSE, HOSE HOOK SERVICE SINK FAUCET WITH BUCKET HOOK AND 3/4" HOSE CONNECTION. BASIS OF DESIGN: FIAT TSBC6010 SINK AND 830AA FAUCET.	
P-3	WASHER BOX	1/2"	1/2"	2"	1-1/2"	METAL WASHER BOX WITH SOLID BRASS, 1/4 TURN BALL VALVES. BASIS OF DESIGN IS QATEY 38981	
FD-1	FLOOR DRAIN - MECHANICAL ROOM	1/2" TP	--	4"	2"	FLOOR DRAINS IN MECHANICAL ROOMS SHALL HAVE 11-3/4" ROUND CAST IRON GRATE, SEDIMENT BUCKET AND DEEP SEAL P-TRAP. BASIS OF DESIGN: JR SMITH 2131 SERIES. PROVIDE WITH TRAP PRIMER	
FD-2	FLOOR DRAIN	1/2" TP	--	2"	1-1/2"	FLOOR DRAINS IN FINISHED AREAS SHALL HAVE 6" SQUARE ADJUSTABLE, VANDAL PROOF STRAINER IN NICKLE BRONZE FINISH. BASIS OF DESIGN: JR SMITH 2000 SERIES. PROVIDE WITH TRAP PRIMER	
NEWH	NON-FEEZE WALL HYDRANT	3/4"	--	--	--	LOOSE KEY HOSE BIBB WITH NICKLE PLATED BRASS BOX AND VACUUM BREAKER. BASIS OF DESIGN: WOODFORD B65.	

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

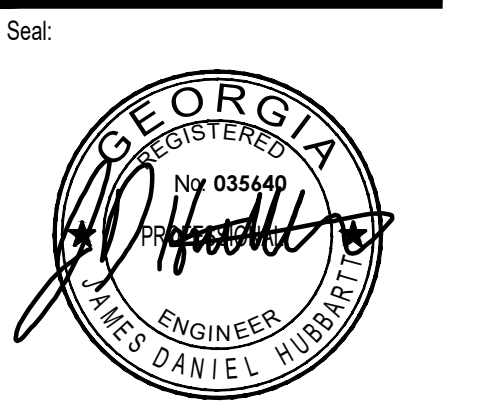
E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

PALMER ENGINEERING:  
 3585 Habersham at Northlake,  
 Building N  
 Tucker, Georgia 30084  
 (770)908-9908

WESTSIDE ENGINEERING:  
 5525 Interstate N. Parkway  
 Suite 200  
 Atlanta, GA 30328  
 WE# 22164

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**



No.	Date	Issue Notes



**LEGEND, NOTES, DETAILS & SCHEDULES - PLUMBING**

Date: 8.1.2022 Project Number: 2021-83  
 CAD File Name:   
 Drawing Number:

**P-0.1**

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

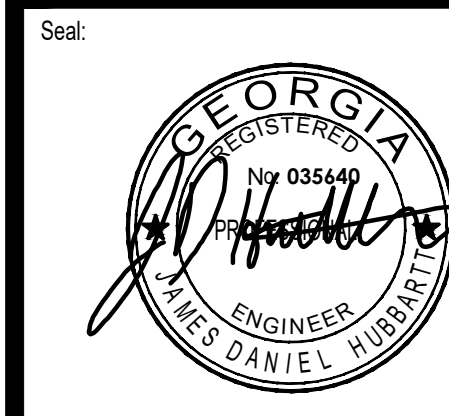
E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

**CONSULTING ENGINEERS:**

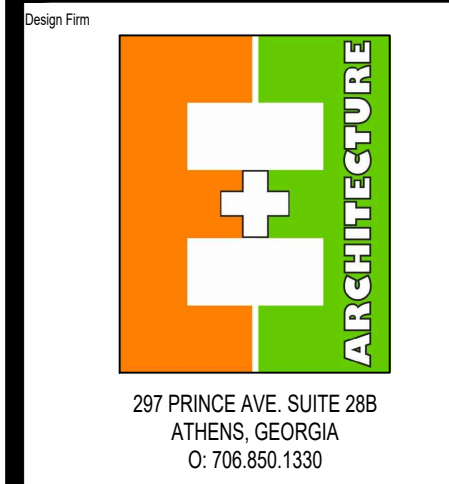
**PALMER ENGINEERING:**  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770)908-9908

**WESTSIDE ENGINEERING:**  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328  
WE# 22164

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**




No.	Date	Issue Notes



Drawing Title

**SPECIFICATIONS-  
PLUMBING**

Date	8.1.2022	Project Number	2021-83
OID File Name			

Drawing Number

**P-0.2**

**SPECIFICATIONS**

**SECTION 220100 - PLUMBING GENERAL:**

**A. GENERAL**

- CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, TOOLS AND LABOR NECESSARY TO PROVIDE A COMPLETE PLUMBING SYSTEM COMPLIANT WITH ALL REQUIRED CODES & STANDARDS.
- DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED.
- ALL REQUIRED PERMITS & INSPECTIONS SHALL BE SECURED & PAID FOR UNDER THIS CONTRACT. INSPECTION CERTIFICATIONS SHALL BE PROVIDED TO THE OWNER.
- CONTRACTOR SHALL VISIT THE SITE TO THOROUGHLY EXAMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. IF EXISTING CONDITIONS DIFFER FROM DESIGN DOCUMENTS IN SUCH A MANNER THAT AFFECTS PRICING, THE CONTRACTOR SHALL ADJUST THE BID ACCORDINGLY AND NOTIFY THE OWNER & ENGINEER PRIOR TO SUBMITTING THE BID. NO ALLOWANCES WILL BE MADE FOR LACK OF KNOWLEDGE REGARDING THE EXISTING CONDITIONS.

**C. IDENTIFICATION**

- PERMANENT BAKELITE TAGS WITH 1" TALL LETTERS SHALL BE PROVIDED FOR ALL EQUIPMENT. EQUIPMENT NUMBERING SHALL MATCH BUILDING STANDARDS.

**D. STARTERS**

- ALL MOTORS SHALL BE PROVIDED WITH MAGNETIC MOTOR STARTERS WITH OVERLOAD PROTECTION.
- STARTERS SHALL BE PROVIDED WITH HAND-OFF-AUTO SWITCHES.
- INDOOR MOTOR STARTERS SHALL BE FURNISHED WITHIN A NEMA 1 ENCLOSURE.
- OUTDOOR MOTOR STARTERS SHALL BE FURNISHED WITHIN A NEMA 3R ENCLOSURE.

**E. SUBMITTALS & SHOP DRAWINGS**

- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS & PRODUCT DATA FOR ALL PLUMBING EQUIPMENT & SYSTEMS TO BE PROVIDED AND/OR INSTALLED.

**F. SUBSTITUTE MANUFACTURERS**

- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION & COST OF ALL CHANGES REQUIRED FOR INSTALLATION OF EQUIPMENT & PRODUCTS MANUFACTURED BY THOSE OTHER THAN WHAT IS SPECIFIED IN THE CONTRACT DOCUMENTS.
- CAREFULLY COORDINATE SUBSTITUTE MANUFACTURER'S INSTALLATION REQUIREMENTS WITH ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO STRUCTURE, ELECTRICAL, PLUMBING AND ARCHITECTURAL. ALL INSTALLATION COSTS ASSOCIATED WITH INSTALLATION OF SUBSTITUTE MANUFACTURER SHALL BE INCLUDED IN BID. NO ALLOWANCES SHALL BE GIVEN FOR CHANGES ASSOCIATED WITH INSTALLATION OF SUBSTITUTE EQUIPMENT & SYSTEMS.
- LISTING OF A MANUFACTURER AS AN "EQUAL" DOES NOT RELIEVE CONTRACTOR'S RESPONSIBILITY OF COORDINATION & COST ASSOCIATED WITH CHANGES REQUIRED TO OTHER TRADES.

**G. WARRANTY**

- CONTRACTOR SHALL WARRANT ALL EQUIPMENT, MATERIALS AND WORKMANSHIP FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR.
- ALL HVAC COMPRESSORS SHALL BE WARRANTED FOR A PERIOD OF NOT LESS THAN 5 YEARS.

**H. AS-BUILT DRAWAINGS**

- CONTRACTOR SHALL KEEP REDLINE SET OF DRAWINGS ON SITE DURING CONSTRUCTION TO UPDATE LOCATION OF ALL EQUIPMENT AND SYSTEMS AS THE CONSTRUCTION PROGRESSES. REDLINE SET OF DRAWINGS SHALL BE TURNED OVER TO OWNER AT COMPLETION OF CONSTRUCTION.

**I. OPERATION & MAINTENANCE MANUALS**

- CONTRACTOR SHALL PROVIDE AN ELECTRONIC SET AND ONE (1) SET OF HARD COPIES OF INSTALLATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT & SYSTEMS PROVIDED UNDER THIS CONTRACT.

**J. INSTRUCTION**

- CONTRACTOR SHALL THOROUGHLY INSTRUCT OWNER ON OPERATION AND RECOMMENDED MAINTENANCE PROCEDURES OF ALL INSTALLED EQUIPMENT & SYSTEMS.

**SECTION 24000 PLUMBING SYSTEMS**

- ALL 3" AND BIGGER SANITARY PIPING SHALL BE SLOPED AT 1/8" PER FOOT. ALL 2 1/2" AND SMALLER SANITARY PIPING SHALL BE SLOPE AT 1/4" PER FOOT.
- SANITARY, STORM & VENT PIPING SHALL BE SCHEDULE 40 PVC.
- DOMESTIC WATER & CONDENSATE PIPING SHALL BE TYPE L HARD COPPER WITH LEAD FREE SOLDERED JOINTS. CONDENSATE PIPING SHALL BE INSTALLED WITH DWV TYP FITTINGS.
- ALL CONDENSATE, HOT & COLD WATER PIPING SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION WITH WHITE ALL SERVICE JACKET.
- ALL HORIZONTAL STORM PIPING AND ROOF DRAINS BODIES SHALL BE INSULATED WITH 2" THICK, R-6 BLANKET INSULATION.
- WATER HAMMER ARRESTORS SHALL BE PROVIDED & SIZED PER PDI GUIDELINES AT ALL QUICK CLOSING VALVES. ALL PIPING SHALL BE PRESSURE TESTED PRIOR TO CONCEALING OR INSULATING THE PIPING.
- ALL PIPING SHALL BE CONCEALED WITHIN WALLS OR ABOVE CEILING.
- PIPING INSTALLED ABOVE CEILING SHALL BE INSTALLED AS HIGH AS POSSIBLE.
- ALL VALVES LOCATED ABOVE CEILING SHALL BE LOCATED WITHIN 1' OF ACCESS PANEL OR 1' ACCESSIBLE CEILING.
- REFER TO ARCHITECTURAL FLOOR PLANS & ELEVATIONS FOR EXACT LOCATIONS OF PLUMBING FIXTURES.
- PLUMBING SYSTEMS SHALL NOT BE INSTALLED WITHIN OR PASSING THROUGH, ELECTRICAL CLOSETS, SWITCHGEAR ROOMS, TELEPHONE ROOMS, ELEVATOR EQUIPMENT ROOMS OR ABOVE ELECTRICAL PANELS.
- INSTALL IDENTIFICATION MARKERS ON ALL PIPING SYSTEMS & VALVES THAT INCLUDE SERVICE TYPE & DIRECTION OF FLOW PER ASME A13.1.
- ALL DOMESTIC WATER PIPING SYSTEMS SHALL BE FLUSHED & DISINFECTED. SYSTEMS SHALL BE FILLED WITH AN EVENLY DISTRIBUTED DOSE OF 50 TO 200 PPM CHLORINE. ALL FIXTURES & OUTLETS SHALL BE TESTED TO ENSURE EVEN DISTRIBUTION. AFTER 12 HOURS THE RESIDUAL CHLORINE SHALL BE TESTED. DISINFECTION PROCEDURE SHALL BE REPEATED UNTIL RESIDUAL CHLORINE LEVEL IS GREATER THAN 10 PPM AFTER SITTING UNDISTURBED FOR 12 HOURS. ONCE DISINFECTION PROCEDURE IS COMPLETE, SYSTEM SHALL BE THOROUGHLY FLUSHED WITH CLEAN WATER.

**GENERAL NOTES (APPLY TO ALL SHEETS):**

- DRAWINGS ARE SCHEMATIC IN NATURE. CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, TOOLS AND LABOR NECESSARY TO PROVIDE A COMPLETE PLUMBING SYSTEM COMPLIANT WITH ALL REQUIRED CODES & STANDARDS.
- CONTRACTOR SHALL VISIT THE SITE TO THOROUGHLY EXAMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. IF EXISTING CONDITIONS DIFFER FROM DESIGN DOCUMENTS IN SUCH A MANNER THAT AFFECTS PRICING, THE CONTRACTOR SHALL ADJUST THE BID ACCORDINGLY AND NOTIFY THE OWNER & ENGINEER PRIOR TO SUBMITTING THE BID. NO ALLOWANCES WILL BE MADE FOR LACK OF KNOWLEDGE REGARDING THE EXISTING CONDITIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE MOUNTING HEIGHTS & LOCATIONS.
- COORDINATE ALL SAN, VENT, CW, HW, ETC. WITH EXISTING CONDITIONS & ALL OTHER TRADES.
- WATER HAMMER ARRESTORS SHALL BE PROVIDED & SIZED PER PDI GUIDELINES AT ALL QUICK CLOSING VALVES.
- ALL PIPING SHALL BE PRESSURE TESTED PRIOR TO CONCEALING OR INSULATING THE PIPING.

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

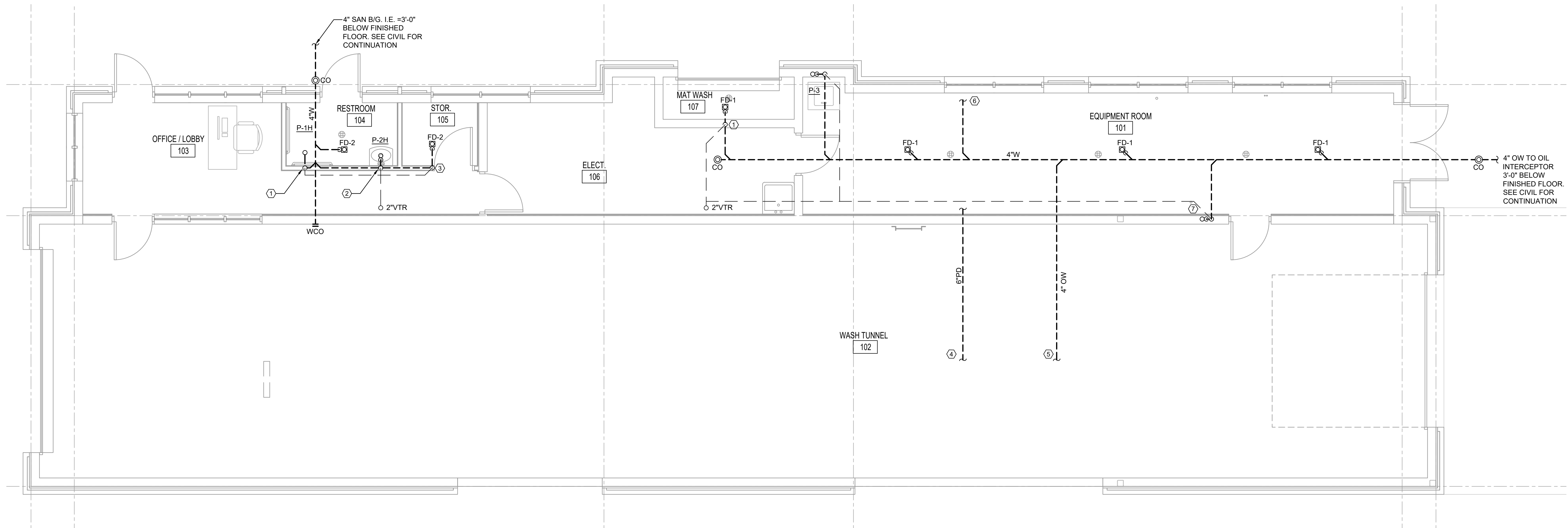
E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770)908-9908

WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328  
WE# 22164

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**



**1 PLUMBING PLAN - SAN & VENT**  
1/4" = 1'-0"

**KEY NOTES:** ○

1. 4"W & 2"V.
2. 2"W & V.
3. 3"W & 2"V.
4. INSTALL 6" SCHEDULE 80 PROCESS DRAIN (PD) FROM WASH TROUGH TO RECLAIM TANKS. COORDINATE INVERTS WITH TANK INSTALLER PRIOR TO BEGINNING WORK.
5. INSTALL 4" WASTE FROM SIDE OF CAR WASH TROUGH. COORDINATE LOCATION WITH DAM. VERIFY INVERT WITH TROUGH INSTALLER PRIOR TO BEGINNING WORK.
6. INSTALL 4" OIL WASTE FROM WASH EQUIPMENT. COORDINATE LOCATION AND VERIFY INVERT WITH EQUIPMENT INSTALLER PRIOR TO BEGINNING WORK.
7. 3" W & V TO WASHING MACHINE BOX. FIELD VERIFY EXACT EQUIPMENT LOCATION.

Seal:



No.	Date	Issue Notes



**PLUMBING PLAN**  
**SAN & VENT**

Date: 8.1.2022 Project Number: 2021-83

CAD File Name: Drawing Number:

**P-1.1**

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

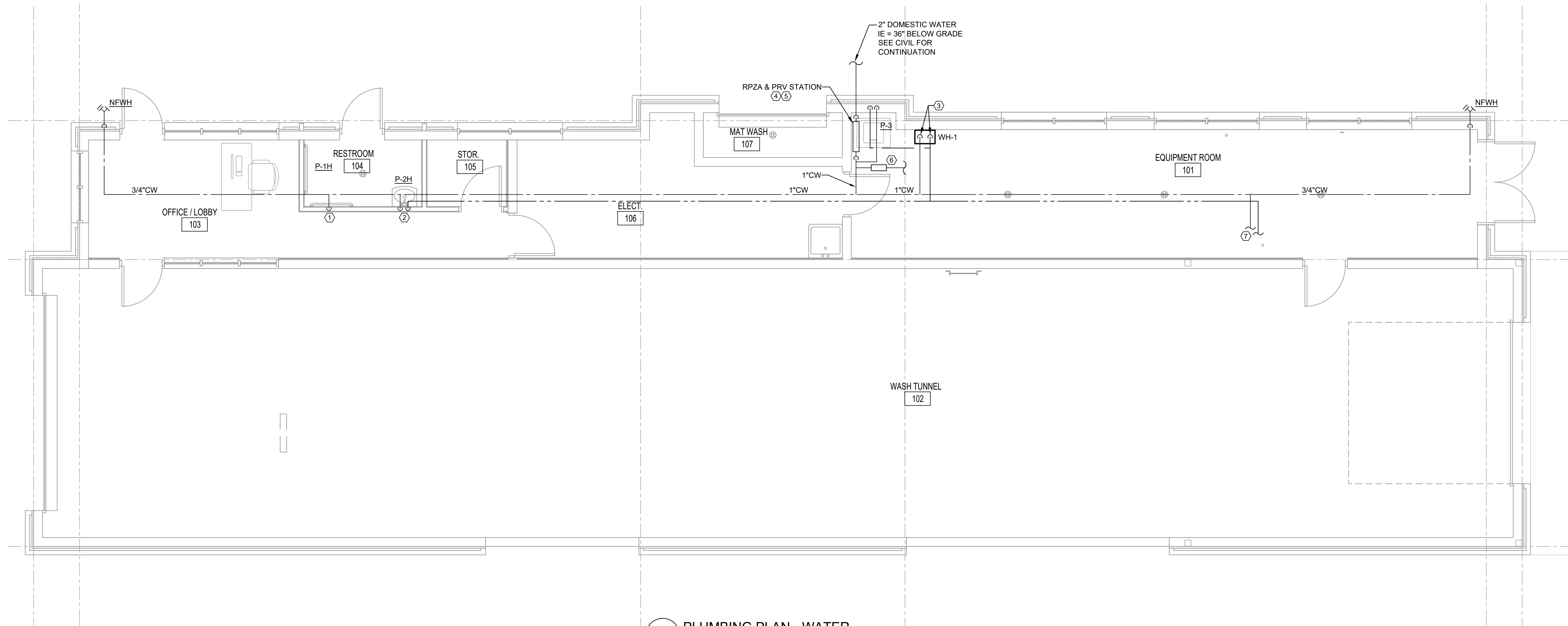
E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770)908-9908

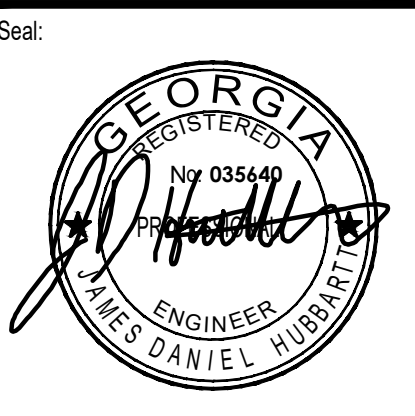
WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328  
WE# 22164

TOP CAPITAL CAR WASH  
765 DACULA ROAD  
DACULA, GA



1 PLUMBING PLAN - WATER  
1/4" = 1'-0"

- KEY NOTES:**
- 1/2" CW DN.
  - 1/2" CW & HW DN.
  - 3/4" HW & CW DN TO WH-1.
  - BACKFLOW PREVENTER SHALL BE LEAD FREE, REDUCED PRESSURE ZONE ASSEMBLY (RPZA), WATTS LF909 OR EQUAL.
  - INSTALL PRV STATION ON WALL ABOVE BACKFLOW PREVENTER. REFER TO DETAIL 5/PD.1.
  - 2" CW WITH RPZA BACKFLOW PREVENTER TO CAR PROCESS.
  - 1/2" CW & HW TO WASHING MACHINE BOX. FIELD VERIFY EXACT EQUIPMENT LOCATION.



No.	Date	Issue Notes



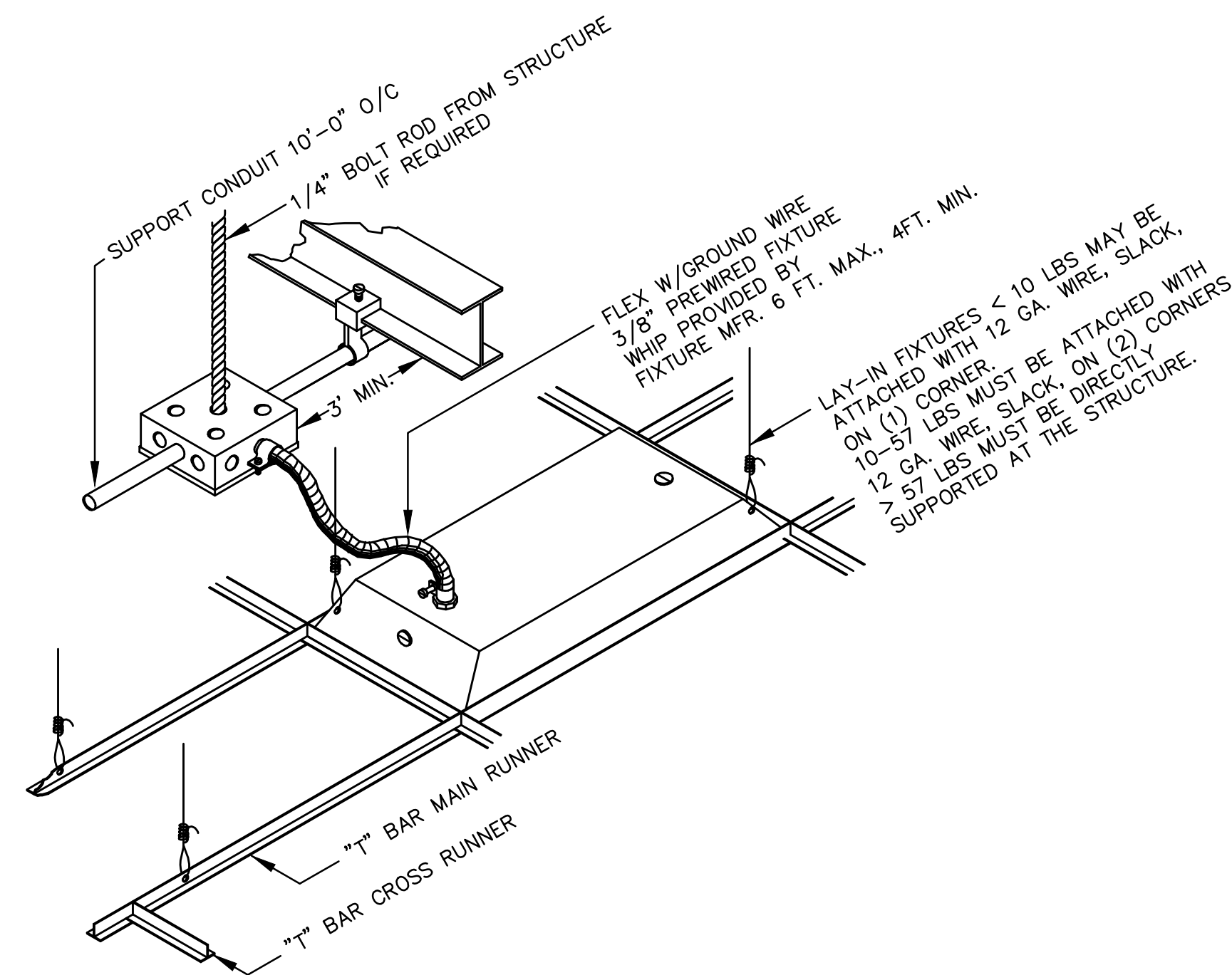
PLUMBING PLAN  
WATER

Date: 8.1.2022 Project Number: 2021-83  
CAD File Name: Drawing Number:

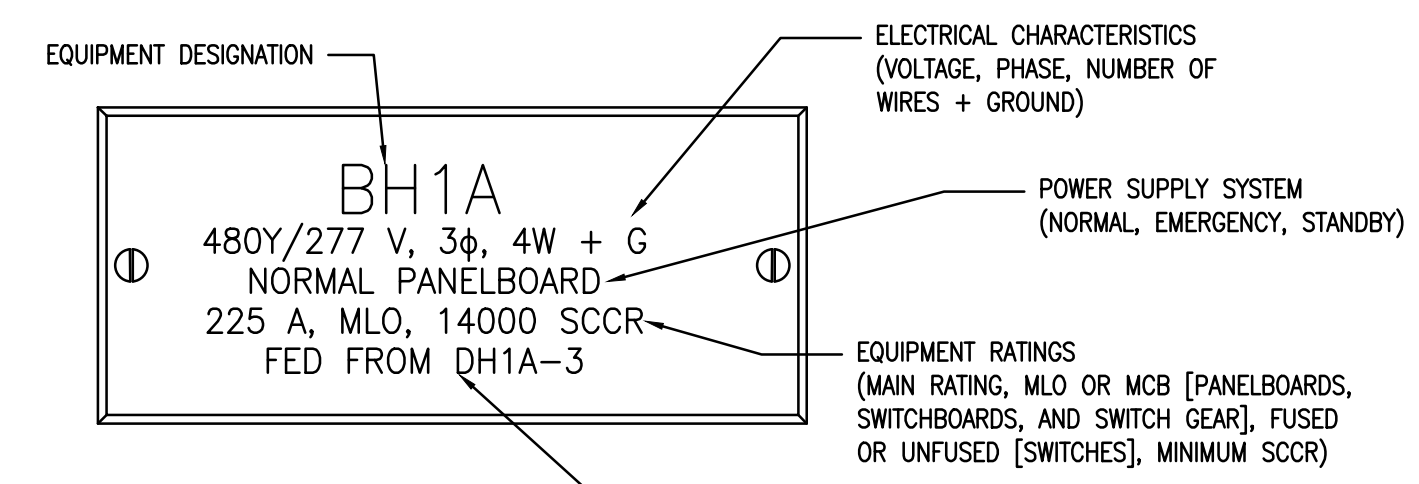
P-2.1

LIGHTING FIXTURE SCHEDULE								
TYPE	DESCRIPTION	MOUNT	VOLTAGE	LAMP QTY	LAMP WATTAGE/TYPE	MANUFACTURER	CATALOG NUMBER	NOTES
AA	8FT LED LINEAR LIGHT FIXTURE, SUITABLE FOR DAMP LOCATIONS.	SUSPENDED	277		160W LED 3500K	NULITE	INT8-200/L35	
AB	LED GARAGE/CANOPY LIGHT FIXTURE	SURFACE	277		36W LED 4000K	TRACELITE	SCP-S-36-LG-VS-4K	
AC	2x4' LED LIGHT FIXTURE	SURFACE	277		26.7W LED 3500K	COLUMBIA	LLT24-35HLG-FSA12F-ED	
AD	LED GARAGE/CANOPY LIGHT FIXTURE	SURFACE	277		20W LED 4000K	TRACELITE	SCP-S-20-LG-VS-4K	
IB	8FT LED LINEAR LIGHT FIXTURE, SUITABLE FOR DAMP LOCATIONS.	SURFACE	277		95W LED 3500K	COLUMBIA	LXEM8-35HL-RFA	
GB	2x4' LED LIGHT FIXTURE	RECESSED	277		36W LED 3500K	COLUMBIA	LLT24-35HLG-FSA12F-ED	
WA	EXTERIOR WALLPACK WITH INTEGRAL BATTERY BACK-UP	WALL 16'-0" AFG	277		36W LED 4000K	COOPER	XTOR4B-W	1
WW	EXTERIOR WALLPACK	WALL 8'-0" AFF	277		73.2W LED 4000K	LITHONIA	DSXW1 LED 20C 1000 40K 14M MVOLT	
⊞	EMERGENCY BATTERY PACK	WALL 7'-0" AFF	277	2	9W LED	SURE-LITES	SEL-25	
⊞	EMERGENCY BATTERY PACK - WET LOCATION	WALL 7'-0" AFF	277	2	9W LED	SURE-LITES	SELIN-25	
⊞	EXIT SIGN, LED POLYCARBONATE BODY, RED LETTERING WITH CHEVRON ARROWS AS SHOWN WITH INTEGRAL BATTERY BACK-UP	CEILING/ WALL	277		FURN WITH UNIT	DUAL-LITE	EVE-U-RW-E	
⊞	EXIT SIGN, LED POLYCARBONATE BODY, RED LETTERING WITH CHEVRON ARROWS AS SHOWN WITH INTEGRAL BATTERY BACK-UP - WET LOCATION	CEILING/ WALL	277		FURN WITH UNIT	DUAL-LITE	U16-1-WH	
⊞	COMBINATION EXIT SIGN/EMERGENCY LIGHT, LED POLYCARBONATE BODY, RED LETTERING WITH CHEVRON ARROWS AS SHOWN WITH INTEGRAL BATTERY BACK-UP	CEILING/ WALL	277		FURN WITH UNIT	DUAL-LITE	EVC-U-RW	

NOTES:  
1. PROVIDE WITH 90-MINUTE BATTERY BACKUP WHERE INDICATED ON DRAWINGS. LINEAR FIXTURES SHALL HAVE 600 LUMEN INVERTER. DOWNLIGHTS SHALL HAVE INTEGRAL TEST SWITCH.



1 LAY-IN FIXTURE DETAIL  
NTS



NAMEPLATE BACKGROUND COLORS SHALL BE BLACK FOR NORMAL POWER SUPPLY SYSTEMS, RED FOR LEGALLY REQUIRED EMERGENCY POWER SUPPLY SYSTEMS, AND YELLOW FOR OPTIONAL STANDBY POWER SUPPLY SYSTEMS.

2 EQUIPMENT NAMEPLATE DETAILS  
NTS

GENERAL ELECTRICAL NOTES:

- FOR EXACT LOCATION OF EQUIPMENT MOUNTED IN SUSPENDED CEILINGS, SUCH AS LIGHTING FIXTURES, AND SMOKE DETECTORS, SEE ARCHITECTURAL REFLECTED CEILING PLANS. ARCHITECTURAL REFLECTED PLAN SHALL GOVERN FINAL LOCATION.
- PRIOR TO ROUGH-IN, CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL WIRING DEVICE WITH ARCHITECTURAL ELEVATION TO AVOID CONFLICTS WITH CASEWORK, COUNTER TOPS, DOOR SWINGS, ETC. WHERE CONFLICTS OCCURS, CONTRACTOR SHALL CONTACT THE ARCHITECT IN WRITING FOR RESOLUTION.
- ALL MOUNTING HEIGHT DIMENSIONS ARE TO THE CENTER OF THE OUTLET BOX UNLESS OTHERWISE NOTED.
- FOR EXACT LOCATION OF ALL EXTERIOR LIGHTING FIXTURES MOUNTED ON EXTERIOR OF BUILDING, ARCHITECTURAL ELEVATIONS SHALL GOVERN
- PRIOR TO ROUGH-IN FOR ALL LIGHTING SWITCHES, VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL PLANS.
- THE CONTRACTOR SHALL USE CARE WHEN CUTTING OPENINGS FOR OUTLET BOXES IN CMU WALLS. OUTLET BOXES SHALL BE INSTALLED IN CMU WALLS SECURELY WITH EPOXY.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING OUTLET BOX INSTALLATION WITH WALL FINISH (GYPSUM FURRING, TILE, ETC). THE CONTRACTOR SHALL PROVIDE AND INSTALL ANY EXTENSION RINGS NECESSARY TO ACCOMMODATE WALL FINISHES.
- ALIGN VERTICALLY AND HORIZONTALLY ALL LIGHT SWITCHES, THERMOSTATS, FIRE ALARM PULL STATIONS, ETC. ALL THESE ITEMS SHALL BE CLUSTERED WHERE POSSIBLE. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- COORDINATE MOUNTING OF ALL EXTERIOR DISCONNECT WITH ARCHITECTURAL ELEVATIONS. IF NOT INDICATED ON ARCHITECTURAL ELEVATIONS, REQUEST ELEVATIONS OF DISCONNECT SWITCHES FROM ARCHITECT IN WRITING PRIOR TO ROUGH-IN.
- ALL CONDUITS FOR LOW VOLTAGE OUTLETS SHALL BE DEDICATED TO A SINGLE BOX. NO DAISY CHAINING OR SHARING OF CONDUITS BETWEEN LOW VOLTAGE OUTLET BOXES IS PERMITTED UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.
- PROVIDE FIELD IDENTIFICATION FOR PANELBOARDS AND SWITCHBOARDS (IF APPLICABLE) PER NEC 408.4. ADDITIONALLY, EACH RECEPTACLE AND DISCONNECT SHALL HAVE A PRINTED LABEL WITH SPECIFIC PANEL AND CIRCUIT NUMBER.
- PROVIDE PERMANENT NAMEPLATE LABEL FOR PANELBOARDS IDENTIFYING COLOR CODING FOR BRANCH CIRCUITS, IN ACCORDANCE WITH NEC 210.5(C)(1).
- PER NEC 408.6, AVAILABLE FAULT CURRENT AND THE DATE THE CALCULATION WAS PERFORMED MUST BE FIELD MARKED ON THE ENCLOSURE AT THE POINT OF THE SUPPLY. THE MARKING MUST BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED PER 110.24.

ABBREVIATIONS

A	- AMPERES	MCB	- MAIN CIRCUIT BREAKER
A.F.F.	- ABOVE FINISHED FLOOR	MLO	- MAIN LUG ONLY
A.F.G.	- ABOVE FINISHED GRADE	NTS	- NOT TO SCALE
BFG	- BELOW FINISHED GRADE	P	- POLE
C	- CONDUIT	PNL	- PANEL
ETR	- EXISTING TO REMAIN	SN	- SOLID NEUTRAL
F	- FUSE	U.O.N.	- UNLESS OTHERWISE NOTED
GFI	- GROUND FAULT CIRCUIT INTERRUPTING	V	- VOLTS
G	- GROUND	W	- WIRE
KVA	- KILO VOLT AMP	WP	- WEATHERPROOF/GFI
KW	- KILOWATT		

UTILITY NOTES:

- PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED.

FIRE PROOFING NOTES:

- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FIRE STOPPING AT ALL WALL, FLOOR AND CEILING PENETRATIONS WHERE CONDUIT PENETRATIONS OCCUR.
- PROVIDE FIRE STOPPING AT CONDUIT PENETRATIONS PER UL.

DEVICE PLATE NOTE:

ALL COVERPLATES SHALL BE NYLON WITH FINISH PER ARCHITECT. ALL DEVICES (SWITCHES, RECEPTACLES, ETC) SHALL BE FINISH BY ARCHITECT (UON). COORDINATE WITH ARCHITECTURAL PLANS.

LIGHTING CONTROL COMMISSIONING:

COMMISSION ALL AUTOMATIC LIGHTING CONTROLS IN ACCORDANCE WITH THE 2015 IECC ENERGY CODE. COORDINATE TESTING WITH LIGHTING CONTROLS SUPPLIER.

WIRE SIZE CHART:

CONTRACTOR SHALL PROVIDE WIRING FOR 277V. CIRCUITS (LINE TO NEUTRAL) OF SIZES BELOW DEPENDING UPON CIRCUIT LENGTH BELOW:

< 200 FT	#12 AWG (CU)
200-320 FT	#10 AWG (CU)
320-500 FT	#8 AWG (CU)

WIRE SIZE CHART:

CONTRACTOR SHALL PROVIDE WIRING FOR 120V. CIRCUITS (LINE TO NEUTRAL) OF SIZES BELOW DEPENDING UPON CIRCUIT LENGTH BELOW:

< 100 FT	#12 AWG (CU)
100-160 FT	#10 AWG (CU)
160-250 FT	#8 AWG (CU)

ELECTRICAL LEGEND

LIGHTING

- LIGHTING FIXTURE
- EMERGENCY LIGHTING FIXTURE AND/OR NIGHTLIGHT AS INDICATED
- DOWNLIGHT.
- EXIT LIGHTING FIXTURE, FACE PLATES (DARKENED) AND DIRECTIONAL ARROWS AS INDICATED. PROVIDE WITH BATTERY BACKUP, UNO. CONNECT AHEAD OF LOCAL SWITCH.
- SINGLE POLE SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
- THREE-WAY SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
- FOUR-WAY SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
- DIMMER SWITCH, 46" A.F.F. PROVIDE WATTAGE AS REQUIRED. PROVIDE DIMMER SWITCH COMPATIBLE WITH LED LIGHT FIXTURE. PROVIDE WIRING AS REQUIRED FROM DIMMER TO LIGHT FIXTURE. COORDINATE WITH FIXTURE MANUFACTURER.
- THREE-WAY SWITCH WITH PILOT LIGHT, 20A, 120/277 VOLT, 46" A.F.F..
- CEILING MOUNTED OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
- WALL MOUNTED SWITCH, 20A, 120/277V, 46" AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
- (2) WALL MOUNTED SWITCHES, 20A, 120/277V, 46" AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
- WALL MOUNTED DIMMER SWITCH, 20A, 120/277V, 46" AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
- LOW VOLTAGE OVERRIDE SWITCH FOR LIGHTING CONTROLS, 46" A.F.F. PROVIDE LOW VOLTAGE WIRING AS REQUIRED. COORDINATE WITH LIGHTING CONTROL MANUFACTURER.

POWER

- DUPLEX GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.
- (2) DUPLEX GROUNDING TYPE RECEPTACLES IN COMMON BOX, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.
- DUPLEX ISOLATED GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.. RECEPTACLE BODY SHALL BE ORANGE.
- DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.
- WEATHER RESISTANT RATED, DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, MOUNT HORIZONTALLY 18" A.F.F., U.O.N., IN CAST OUTLET BOX WITH GASKET DEVICE COVER.
- DUPLEX GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R. MOUNT HORIZONTALLY 6" A.F.F. FOR WATER COOLER.
- SPECIAL RECEPTACLE, AMPERAGE, AND VOLTAGE AS INDICATED, 18" AFF, UON.
- PROVIDE COMBINATION USB CHARGER AND TAMPER RESISTANT RECEPTACLE. LEVITON DEVICE #15632. COORDINATE LOCATIONS WITH ARCHITECT.
- RECEPTACLE/TELEPHONE/DATA OUTLETS. FLUSH MOUNT IN FLUSH MOUNTED FLOOR BOX WITH RUBBER OR THERMOPLASTIC CARPET COVER PLATE. PROVIDE NUMBER AND TYPE OF DEVICES PER PLANS. COORDINATE DEPTH OF FLOOR BOX WITH SLAB DEPTH. COORDINATE EXACT LOCATION WITH ARCHITECT. PROVIDE 3/4" CONDUIT WITH CONDUCTORS INDICATED FOR SERVICE TO RECEPTACLE OUTLET. PROVIDE (1) 1-1/4" CONDUIT WITH PULLWIRE FROM EACH SPECIAL SYSTEMS OUTLET TO ABOVE NEAREST ACCESSIBLE CEILING FOR SPECIAL SYSTEM WIRING BY OTHERS.
- PANELBOARD
- ELECTRICAL CIRCUIT RUN IN CONDUIT AND CIRCUIT HOMERUN TO PANELBOARD (PANEL AND CIRCUIT DESIGNATION AS INDICATED). AS A MINIMUM CONDITION, EACH SINGLE PHASE CIRCUIT SHALL HAVE ONE #12 PHASE CONDUCTOR, ONE #12 NEUTRAL CONDUCTOR, AND ONE #12 GROUNDING CONDUCTOR (PLUS ONE INSULATED, ISOLATED GROUNDING CONDUCTOR WHEN SERVING ISOLATED GROUND TYPE DEVICES) IN 1/2" CONDUIT. PROVIDE ADDITIONAL PHASE CONDUCTORS AS REQUIRED FOR "MULTIPLE PHASED" ELECTRICAL LOADS. PROVIDE ADDITIONAL "SWITCH LEG" CONDUCTORS TO PROVIDE THE LIGHT FIXTURE CONTROL INDICATED. MULTIPLE SINGLE PHASE CONDUCTORS SHALL BE GROUPED TOGETHER IN A COMMON CONDUIT IN ACCORDANCE WITH THE NEC AND AT THE CONTRACTOR'S DISCRETION. MULTIPLE SINGLE PHASE CONDUCTORS SERVING ISOLATED GROUND RECEPTACLES SHALL NOT SHARE COMMON NEUTRALS. NEUTRAL AND GROUNDING CONDUCTORS SHALL BE SHARED AS ALLOWED BY THE NEC. BRANCH CIRCUIT CONDUCTORS IN CONDUIT SHALL BE RUN CONCEALED IN WALLS AND/OR ABOVE CEILINGS, IN/OR BELOW FLOORS, EXCEPT IN EXPOSED CONSTRUCTION AREAS. FLUORESCENT LIGHTING CIRCUITS SERVING SWITCHED FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL CONTAIN ONE UNSWITCHED CONDUCTOR. FLUORESCENT DIMMING CIRCUITS SERVING DIMMING BALLASTS SHALL BE PROVIDED WITH WIRING AS REQUIRED BY BALLAST MANUFACTURER. MULTIPLE PHASE LIGHTING CIRCUITS SERVING DIMMED LOADS SHALL NOT SHARE COMMON NEUTRALS.
- JUNCTION BOX.
- DISCONNECT SWITCH, 240 OR 600 VOLTS AS REQUIRED. AMPS, POLES AND FUSING AS NOTED, NEMA 1, U.O.N.
- MOTOR RATED SWITCH. MOUNT WITHIN SIGHT OF EQUIPMENT.
- MOTOR CONNECTION, WITH INTEGRAL DISCONNECTING MEANS.
- STARTER
- KEYNOTE.

SPECIAL SYSTEMS

- TELEPHONE/DATA OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 1" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER.
- TELEPHONE OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER.
- TELEVISION OUTLET 18" A.F.F., U.O.N. SINGLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING.
- TELEPHONE/TELEVISION BACKBOARD, 4' X 4' X 3/4" THICK EXTERIOR GRADE PLYWOOD. MOUNT VERTICALLY WITH BOTTOM OF PLYWOOD 6" A.F.F., U.O.N.

THIS DRAWING IS THE PROPERTY OF E-E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E-E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E-E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

E-E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E-E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

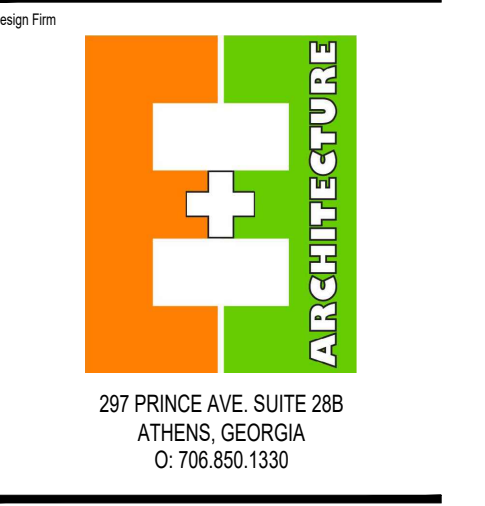
PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770)908-9908

WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328  
WE# 22164

TOP CAPITAL CAR WASH  
765 DACULA ROAD  
DACULA, GA



No.	Date	Issue Notes



NOTES, DETAILS, AND LEGEND

Date: 8.1.2022 Project Number: 2021-83  
DLO File Name:   
Drawing Number:

E-0.0

PANELBOARD SCHEDULE - 'H'																		
MAIN: 800A MCB		VOLTAGE: 480/277					PHASE: 3					WIRE: 4			MOUNTING: SURFACE		AIC: 42,000	
CKT #	TRIP	DESCRIPTION	LOAD (KVA)					LOAD (KVA)					DESCRIPTION	TRIP	CKT #			
			LTG	REC	MTR	A/C	HTG	LTG	REC	MTR	A/C	HTG						
1	20/1	SIGN LIGHTING	1.2												20/3	2		
3	20/1	CANOPY/AREA LIGHTING	1.1													4		
5	20/1	SECURITY/SITE LIGHTING	0.5													6		
7	20/1	OFFICE/EQUIP RM LTG	0.7											20/3	8			
9	20/1	WASH TUNNEL LTG	0.8												10			
11	20/1	CLERESTORY FUTURE LTG	1.0												12			
13	20/1	SPARE								0.8					14			
15	20/1	SPARE								2.1					16			
17	20/1	SPARE								2.1					18			
19	-/3	S.O.								1.3					20			
21	...	...								1.3					22			
23	...	...								1.3					24			
25	-/3	S.O.								0.9					26			
27	...	...								0.9					28			
29	...	...								0.9					30			
31	25/3	AIR COMPRESSOR (10-A)				3.9									32			
33	...	...				3.9									34			
35	...	...				3.9									36			
37	25/3	AIR COMPRESSOR (10-A)				3.9									38			
39	...	...				3.9									40			
41	...	...				3.9									42			
43	-/1	S.O.													44			
45	...	...													46			
47	...	...													48			
49	800/3	CONTROL PANEL 'MCC'				14.9									50			
51	...	...				14.9									52			
53	...	...				14.9									54			
55	...	...													56			
57	...	...													58			
59	...	...													60			
61	800/3	MAIN BREAKER													62			
63	...	...													64			
65	...	...													66			
67	...	...													68			
69	...	...													70			
71	...	...													72			
LIGHTING (KVA):			8.5	5.3	0.0	68.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CONNECTED LOAD (KVA):	119.2		
RECEPTACLES (KVA):			23.0												DEMAND LOAD (KVA):	112.7		
MOTORS (KVA):			77.1											CONNECTED LOAD (AMPS):	143.4			
A/C (KVA):			4.4											DEMAND LOAD (AMPS):	135.6			
HEATING (KVA):			5.4															
KITCHEN (KVA):			0.0															
MISCELLANEOUS (KVA):			0.8											AMPACITY REQUIRED:	138.1			
NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.																		

PANELBOARD SCHEDULE - 'L'																			
MAIN: 150A MCB		VOLTAGE: 208/120					PHASE: 3					WIRE: 4			MOUNTING: SURFACE		AIC: 10,000		
CKT #	TRIP	DESCRIPTION	LOAD (KVA)					LOAD (KVA)					DESCRIPTION	TRIP	CKT #				
			LTG	REC	MTR	A/C	HTG	LTG	REC	MTR	A/C	HTG							
1	20/1	ED ROOM RECEPTS	0.7												20/1	2			
3	20/1	ELECTRICAL RM RECEPT	0.5												40/1	4			
5	20/1	DIGITAL QUE (20)	0.7							0.6					20/1	6			
7	20/1	TUNNEL (29-3.27-B-C)	0.3							0.6					20/1	8			
9	20/1	SPARE								0.7					20/1	10			
11	20/1	ENTRANCE CABINET (30E)	0.2							0.5					20/1	12			
13	20/1	PAY STATION (20-C)	0.2							0.3					20/1	14			
15	20/1	PAY STATION (20-C)	0.2							0.7					20/1	16			
17	20/1	SPARE								0.5					20/1	18			
19	20/1	SPARE								0.3					20/1	20			
21	20/1	MENU SIGN (30)	0.2							0.3					20/1	22			
23	20/1	SPARE								0.3					20/1	24			
25	20/1	INPUT TERMINAL (20-B)	0.2							0.5					20/1	26			
27	20/1	WARNING HORN (22E)	0.2							2.2					30/2	28			
29	20/1	SIGNS (300, 30C)	0.4							2.2					...	30			
31	20/1	BACKFLOW VALVE HTR				0.5				0.2					20/1	32			
33	20/1	BACKFLOW VALVE HTR				0.5				0.2					20/1	34			
35	20/1	SERVER COMPUTER	0.8							2.4					40/1	36			
37	20/1	RECEPTACLES	0.4							0.2					20/1	38			
39	20/1	TUNNEL RECEPT	0.5							0.3					20/1	40			
41	20/1	OPERATION REC	0.5							0.3					20/1	42			
43	20/1	RECEPTS	0.5							0.2					20/1	44			
45	30/2	DRYER				3.0				0.7					20/1	46			
47	...	...				3.0									20/1	48			
49	20/1	GATE (20-D)	0.2							1.0					20/1	50			
51	20/1	GATE (20-D)	0.2												20/1	52			
53	20/1	SPARE													20/1	54			
55	20/1	SPARE													20/1	56			
57	20/1	SPARE													20/1	58			
59	20/1	SPARE													20/1	60			
LIGHTING (KVA):			3.2	0.8	6.3	7.0	0.0	0.0	0.0	0.0	2.4	3.0	2.0	4.4	5.4	0.0	0.8	CONNECTED LOAD (KVA):	32.1
RECEPTACLES (KVA):			9.0															DEMAND LOAD (KVA):	32.1
MOTORS (KVA):			4.0							7							CONNECTED LOAD (AMPS):	89.1	
A/C (KVA):			4.4							13							DEMAND LOAD (AMPS):	89.1	
HEATING (KVA):			5.4							12									
KITCHEN (KVA):			0.0																
MISCELLANEOUS (KVA):			0.8														AMPACITY REQUIRED:	91.3	
NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY. *DENOTES GFI TYPE CIRCUIT BREAKER																			

MOTOR CONTROL PANEL: MCC TYPE: U.L. 508		INDUSTRIAL CONTROL PANEL (SEE NOTES 1&3)					
CKT #	SONNY'S EQUIP # (NOTE 2)	EQUIPMENT SERVED (NOTE 5)	HP	FLA.	CKT BKR SIZE	STARTER SIZE	MINIMUM WIRE & CONDUIT (SEE NOTE 4)
1	1-X	R.O. REJECT PUMP	5.0	7.6	15/3	N/A	3#12, 1#12G, 3/4"C
2	2-A	PREP GUN UNIT	7.5	11.0	20/3	1	3#12, 1#12G, 3/4"C
3	11-B	WRAP BRUSH POWER PACK	7.5	11.0	20/3	1	5#12, 1#12G, 3/4"C
4	11-BB	WRAP BRUSH POWER PACK	7.5	11.0	20/3	1	5#12, 1#12G, 3/4"C
5	11-i	TBG SFB POWER PACK	7.5	11.0	20/3	1	5#12, 1#12G, 3/4"C
6	12-A	OMNI POWER PACK	7.5	11.0	20/3	0	5#12, 1#12G, 3/4"C
7	13-C	H-25 OMNI PUMP TOP (#1)	15.0	21.0	40/3	2	3#8, 1#8G, 1"C
8	13-F	H-25 OMNI PUMP SIDE (#1)	15.0	21.0	40/3	2	3#8, 1#8G, 1"C
9	13-M	H-25 PENDULUM PUMP	15.0	21.0	40/3	2	3#8, 1#8G, 1"C
10	18-A	CONVEYOR POWER PACK	7.5	11.0	20/3	1	5#12, 1#12G, 3/4"C
11	18-A	CONVEYOR POWER PACK	7.5	11.0	20/3	1	5#12, 1#12G, 3/4"C
12	24-T	DCW TOP BRUSH/MOTOR	1.0	2.1	15/3	00 (VFD)	3#12, 1#12G, 3/4"C
13	24-G	TOP BRUSH MOTOR	1.0	2.1	15/3	00 (VFD)	3#12, 1#12G, 3/4"C
14	25-8	TOP BRUSH /MOTOR BnD	1.0	2.1	15/3	0	3#12, 1#12G, 3/4"C
15	25-A	BLOWER MOTOR NO. 1	15.0	17.0	40/3	2	3#8, 1#8G, 1"C
16	25-B	BLOWER MOTOR NO. 1	15.0	17.0	40/3	2	3#8, 1#8G, 1"C
17	25-C	BLOWER MOTOR NO. 1	15.0	17.0	40/3	2	3#8, 1#8G, 1"C
18	25-D	BLOWER MOTOR NO. 1	15.0	17.0	40/3	2	3#8, 1#8G, 1"C
19	25-E	BLOWER MOTOR NO. 1	15.0	17.0	40/3	2	3#8, 1#8G, 1"C
20	25-F	BLOWER MOTOR NO. 1	15.0	17.0	40/3	2	3#8, 1#8G, 1"C
21	25-G	BLOWER MOTOR NO. 1	15.0	17.0	40/3	2	3#8, 1#8G, 1"C
22	25-H	BLOWER MOTOR NO. 1	15.0	17.0	40/3	2	3#8, 1#8G, 1"C
23	25-I	BLOWER MOTOR NO. 1	15.0	17.0	40/3	2	3#8, 1#8G, 1"C
24	25-J	BLOWER MOTOR NO. 1	15.0	17.0	40/3	2	3#8, 1#8G, 1"C
25	25-K	BLOWER MOTOR NO. 1	15.0	17.0	40/3	2	3#8, 1#8G, 1"C
26	33-B	GROUNDFOSS PUMP 40GPM	7.5	11.0	20/3	0	5#12, 1#12G, 3/4"C
27	37-A	VACUUM	20.0	23.5	50/3	2	3#6, 1#10G, 1"C
28	37-A	VACUUM	20.0	23.5	50/3	2	3#6, 1#10G, 1"C
29	37-A	VACUUM	20.0	23.5	50/3	2	3#6, 1#10G, 1"C
30	37-A	VACUUM	20.0	23.5	50/3	2	3#6, 1#10G, 1"C
31	37-A	VACUUM	20.0	23.5	50/3	2	3#6, 1#10G, 1"C
32	37-A	VACUUM	20.0	23.5	50/3	2	3#6, 1#10G, 1"C
33	37-A	VACUUM	20.0	23.5	50/3	2	3#6, 1#10G, 1"C
34	37-A	VACUUM	20.0	23.5	50/3	2	3#6, 1#10G, 1"C

ALL TERMINATIONS SHALL BE SUITABLE FOR 75°C

TOTAL CONN. AMPS: 539.9

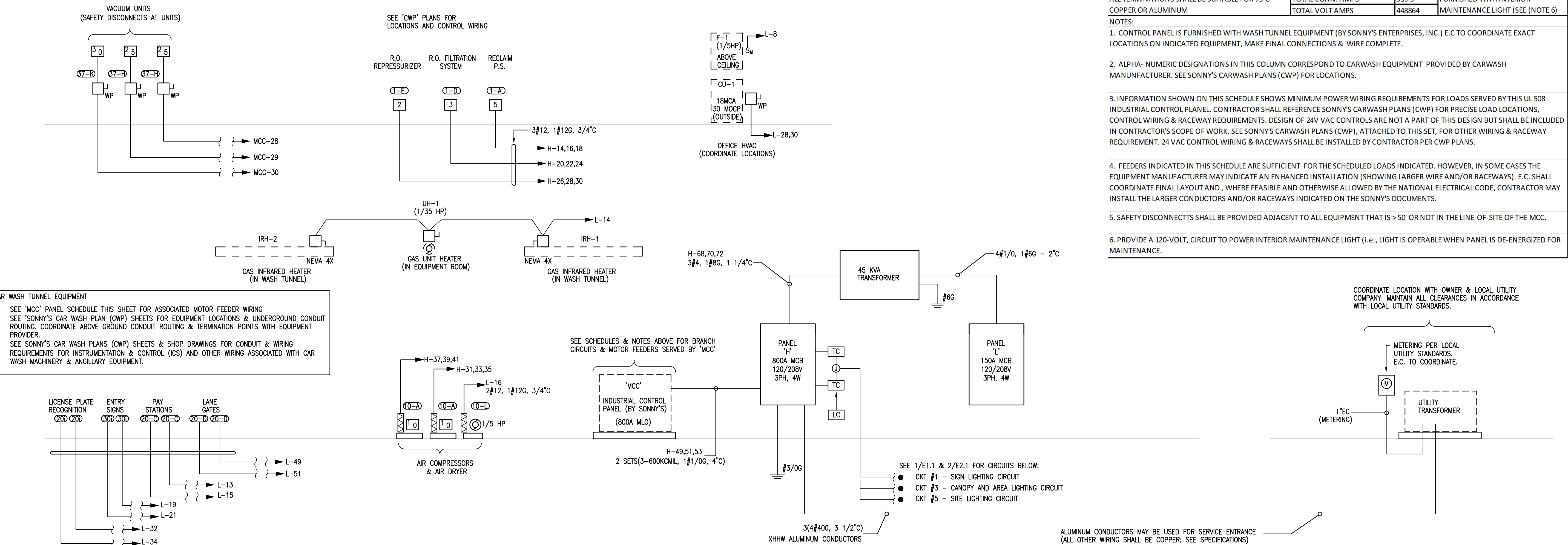
TOTAL VOLT AMPS: 448864

FURNISHED WITH INTERIOR COPPER OR ALUMINUM

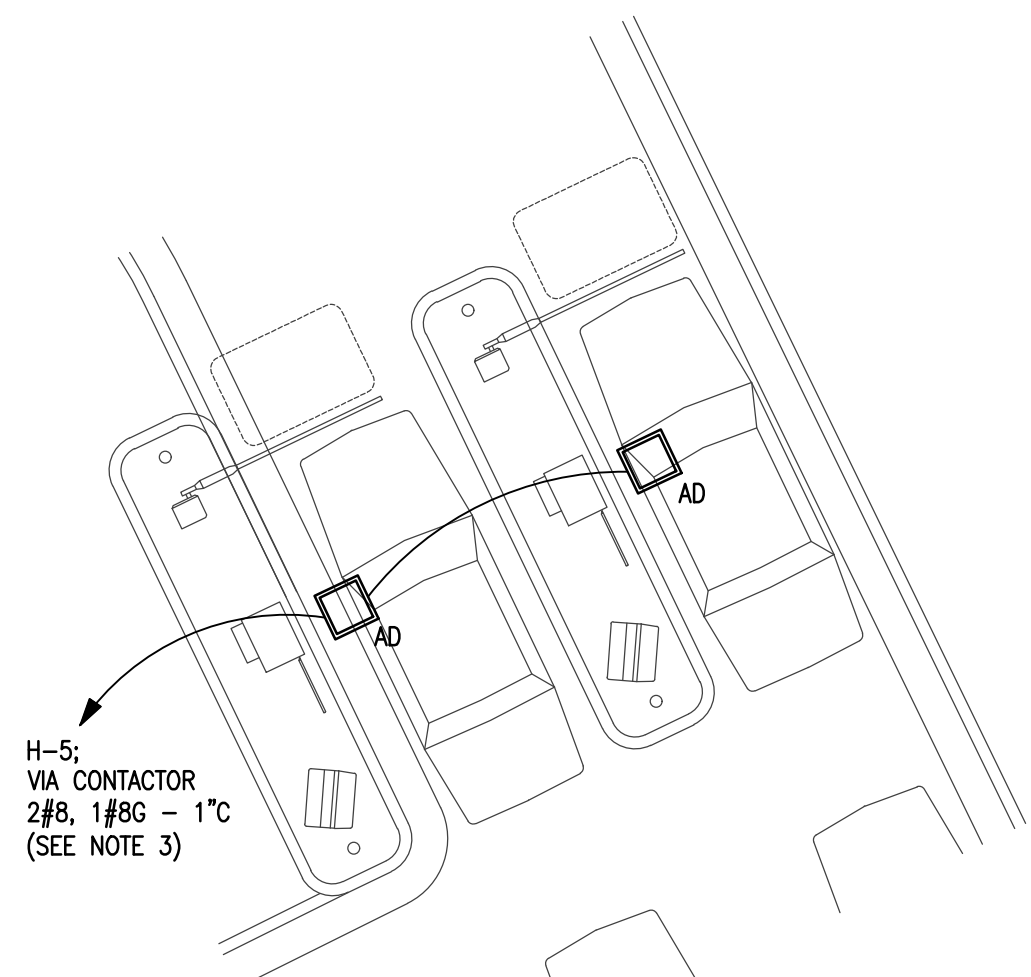
MAINTENANCE LIGHT (SEE NOTE 6)

NOTES:

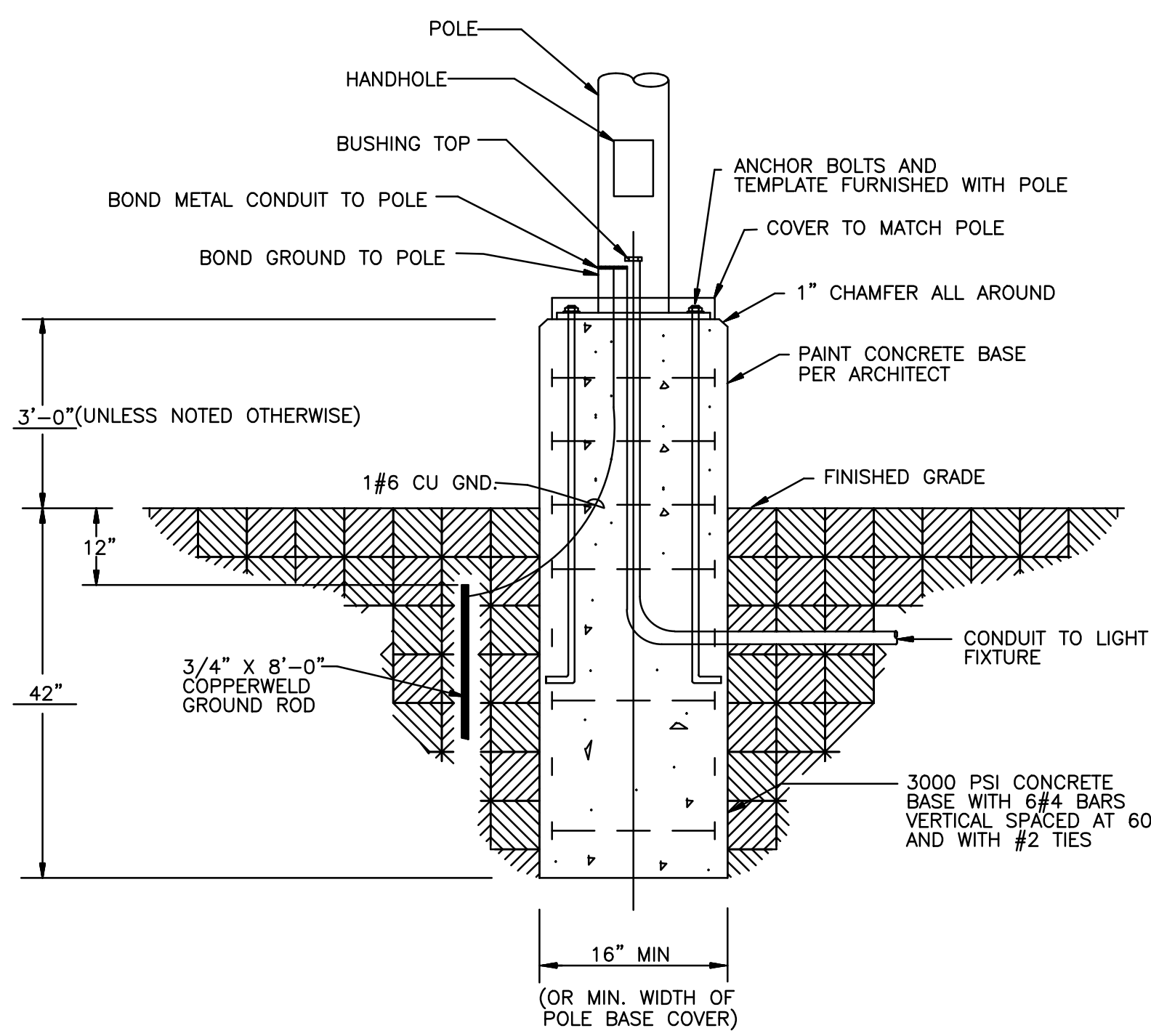
- CONTROL PANEL IS FURNISHED WITH WASH TUNNEL EQUIPMENT (BY SONNY'S ENTERPRISES, INC.) E.C. TO COORDINATE EXACT LOCATIONS ON INDICATED EQUIPMENT, MAKE FINAL CONNECTIONS & WIRE COMPLETE.
- ALPHA- NUMERIC DESIGNATIONS IN THIS COLUMN CORRESPOND TO CARWASH EQUIPMENT PROVIDED BY CARWASH MANUFACTURER. SEE SONNY'S CARWASH PLANS (CWP) FOR LOCATIONS.
- INFORMATION SHOWN ON THIS SCHEDULE SHOWS MINIMUM POWER WIRING REQUIREMENTS FOR LOADS SERVED BY THIS UL 508 INDUSTRIAL CONTROL PANEL. CONTRACTOR SHALL REFERENCE SONNY'S CARWASH PLANS (CWP) FOR PRECISE LOAD LOCATIONS, CONTROL WIRING & RACEWAY REQUIREMENTS. DESIGN OF 24V VAC CONTROLS ARE NOT A PART OF THIS DESIGN BUT SHALL BE INCLUDED IN CONTRACTOR'S SCOPE OF WORK. SEE SONNY'S CARWASH PLANS (CWP), ATTACHED TO THIS SET, FOR OTHER WIRING & RACEWAY REQUIREMENT. 24 VAC CONTROL WIRING & RACEWAYS SHALL BE INSTALLED BY CONTRACTOR PER CWP PLANS.
- FEEDERS INDICATED IN THIS SCHEDULE ARE SUFFICIENT FOR THE SCHEDULED LOADS INDICATED. HOWEVER, IN SOME CASES THE EQUIPMENT MANUFACTURER MAY INDICATE AN ENHANCED INSTALLATION (SHOWING LARGER WIRE AND/OR RACEWAYS). E.C. SHALL COORDINATE FINAL LAYOUT AND, WHERE FEASIBLE AND OTHERWISE ALLOWED BY THE NATIONAL ELECTRICAL CODE, CONTRACTOR MAY INSTALL THE LARGER CONDUCTORS AND/OR RACEWAYS INDICATED ON THE SONNY'S DOCUMENTS.
- SAFETY DISCONNECTS SHALL BE PROVIDED ADJACENT TO ALL EQUIPMENT THAT IS > 50' OR NOT IN THE LINE-OF-SITE OF THE MCC.
- PROVIDE A 120-VOLT, CIRCUIT TO POWER INTERIOR MAINTENANCE LIGHT (I.E., LIGHT IS OPERABLE WHEN PANEL IS DE-ENERGIZED FOR MAINTENANCE.



LIGHTING FIXTURE SCHEDULE								
TYPE	DESCRIPTION	MOUNT	VOLTAGE	LAMP QTY	LAMP WATTAGE/TYPE	MANUFACTURER	CATALOG NUMBER	NOTES
3M-1	SITE POLE LIGHTING; SINGLE HEAD, TYPE 3M DISTRIBUTION WITH HOUSESIDE SHIELD.	25'-0" POLE	120		163W LED 4000K	LITHONIA LIGHTING	DSX1 LED P6 40K T3M MVOLT-HS	1
4M-1	SITE POLE LIGHTING; SINGLE HEAD, TYPE 4M DISTRIBUTION WITH HOUSESIDE SHIELD.	25'-0" POLE	120		163W LED 4000K	LITHONIA LIGHTING	DSX1 LED P6 40K T4M MVOLT-HS	1
4M-2	SITE POLE LIGHTING; TWIN HEADS, TYPE 4M DISTRIBUTION WITH HOUSESIDE SHIELD.	25'-0" POLE	120		326W LED 4000K	LITHONIA LIGHTING	DSX1 LED P6 40K T4M MVOLT-HS	1
<b>NOTES:</b>								
1. REFER TO POLE BASE DETAIL, THIS SHEET.								

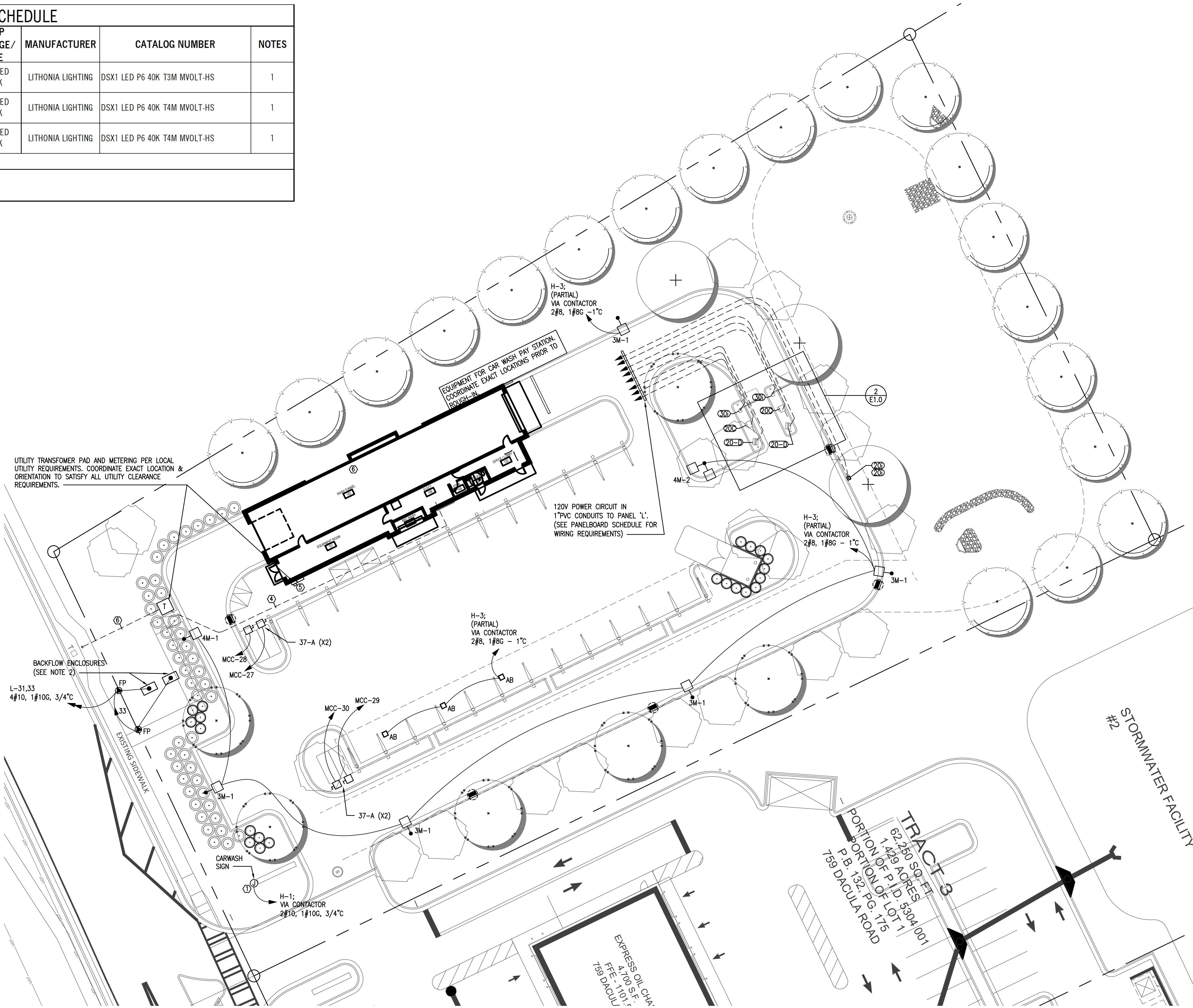


2 DRIVE-UP CANOPY  
1/8" = 1'-0"



3 POLE BASE DETAIL  
NTS

UTILITY TRANSFORMER PAD AND METERING PER LOCAL UTILITY REQUIREMENTS. COORDINATE EXACT LOCATION & ORIENTATION TO SATISFY ALL UTILITY CLEARANCE REQUIREMENTS.



1 SITE - POWER PLAN  
1" = 20'-0"

**GENERAL NOTES:**

1. REFER TO SHEET E-2.1 FOR EQUIPMENT SCHEDULE.

**KEYNOTES:**

- ① COORDINATE EXACT LOCATION FOR PYLON SIGN WITH CIVIL/OWNER PRIOR TO ROUGH-IN.
- ② COORDINATE EXACT LOCATION FOR BACKFLOW ENCLOSURE WITH CIVIL DRAWINGS PRIOR TO ROUGH-IN.
- ③ BRANCH CIRCUIT WIRING POWERING CANOPY LIGHTING SHALL RISE UP ON CANOPY SUPPORTS AND FEED CANOPY LIGHTS VIA CONDUIT ROUTED ABOVE CANOPY CEILING. COORDINATE EXACT LOCATION OF CANOPY SUPPORTS WITH GENERAL CONTRACTOR.

- ④ SECONDARY CONDUIT AND WIRING PER POWER RISER DIAGRAM, 1/E0.1 APPROXIMATE LOCATION OF ELECTRICAL DISCONNECT.
- ⑤ APPROXIMATE LOCATION OF MAIN ELECTRICAL.
- ⑥ PROVIDE (2) 4" SCHEDULE 40 PVC CONDUITS. 42" BFG MINIMUM WITH 36" RADIUS ELLS AT TRANSFORMER PAD. COORDINATE EXACT REQUIREMENTS WITH UTILITY.

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

**CONSULTING ENGINEERS:**

PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770)908-9908

WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328  
WE# 22164

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**



No.	Date	Issue Notes



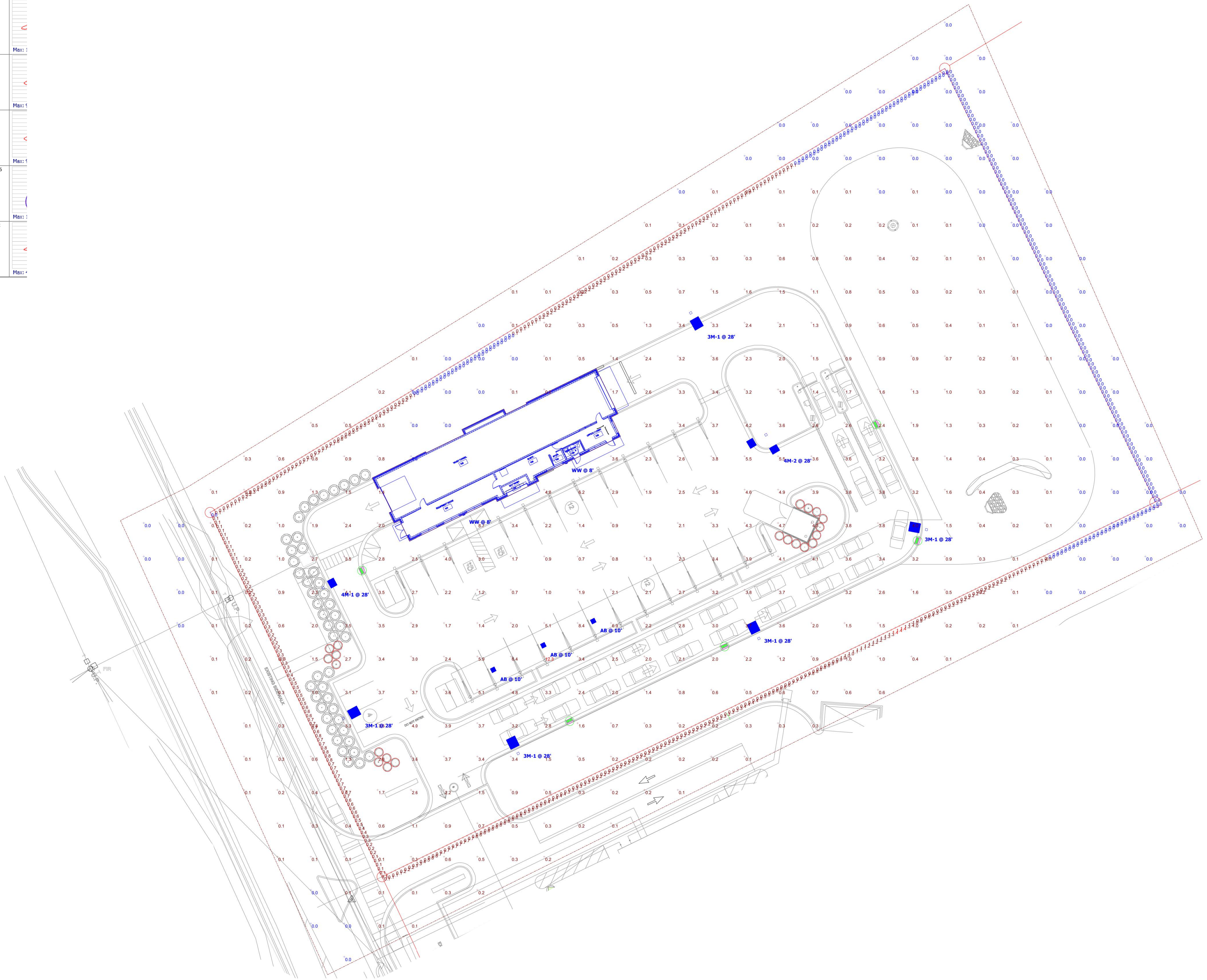
**SITE - POWER PLAN**

Date	8.1.2022	Project Number	2021-83
CD File Name			
Drawing Number			

**E-1.0**

Symbol	Description	Avg	Max	Min	Max/Min	Avg/Min
+	Site Calc Zone	1.3 fc	12.3 fc	0.0 fc	N/A	N/A
+	Property Line	0.3 fc	1.4 fc	0.0 fc	N/A	N/A

Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
□	3M-1		5	Lithonia Lighting	DSX1 LED P6 40K T3M MVOLT HS	DSX1 LED P6 40K T3M MVOLT with housings shield	1	14985	1	163
□	4M-1		1	Lithonia Lighting	DSX1 LED P6 40K T4M MVOLT HS	DSX1 LED P6 40K T4M MVOLT with housings shield	1	14462	1	163
□	4M-2		1	Lithonia Lighting	DSX1 LED P6 40K T4M MVOLT HS	DSX1 LED P6 40K T4M MVOLT with housings shield	1	14462	1	326
□	AB		3	BARRON LIGHTING GROUP	SCP-S-36-LG-VS-4K	12"L X 12"W X 2.75"H LED Low Glare Canopy	1	4227	1	36.16
□	WW		2	Lithonia Lighting	DSXW1 LED 20C 1000 40K T4M MVOLT	DSXW1 LED WITH (2) 10 LED LIGHT ENGINES, TYPE T4M OPTIC, 4000K, @ 1000mA.	1	7420	1	73.2



1 SITE - PHOTOMETRICS  
1" = 20'-0"

THIS DRAWING IS THE PROPERTY OF E-E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E-E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E-E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

E-E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E-E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770)908-9908

WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328  
WE# 22164

TOP CAPITAL CAR WASH  
765 DACULA ROAD  
DACULA, GA

Seal:

No.	Date	Issue Notes



SITE - PHOTOMETRICS

Date	Project Number
8.1.2022	2021-83

DWG File Name

Drawing Number

E-1.1

480V		EQUIPMENT LIST						
ITEM #	DESCRIPTION	ELECTRICAL					PANEL/ CIRCUIT	
		VOLT	HP	PHASE	AMP	C.B.		
CWC-SYS	CARWASH CONTROL SYSTEMS	120V		1P		20		
1-A	RECLAIM PUMP STATION	480V	5HP	3P	7.6A	15	H-14,16,18	
1-D	(R.O.) FILTRATION SYSTEM	480V	3HP	3P	4.8A	15	H-20,22,24	
1-E	(R.O.) REPRESSURIZER	480V	3HP	3P	4.8A	15	H-26,28,30	
1-X	R.O. REJECT PUMP	480V	5HP	3P	7.6A	15	MCC-1	
2-A	PREP. GUN PUMP	480V	7.5HP	3P	11A	20	1	MCC-2
10-A	AIR COMPRESSOR	480V	10HP	3P	14A	25		H-37,39,41
10-A	AIR COMPRESSOR	480V	10HP	3P	14A	25		H-43,45,47
10-L	AIR DRYER 50.CFM	120V	1/4HP	1P	5.8	15		L-16
11-B	WRAP BRUSH POWER PACK	480V	7.5HP	3P	11A	20	1	MCC-3
11-BB	WRAP BRUSH POWER PACK	480V	7.5HP	3P	11A	20	1	MCC-4
11-i	TBG_SFB POWER PACK	480V	7.5HP	3P	11A	20	1	MCC-5
12-A	OMNI POWER UNIT	480V	5HP	3P	7.6A	15	0	MCC-6
13-C	H-25 OMNI PUMP TOP (#1)	480V	15HP	3P	21A	40	2	MCC-7
13-F	H-25 OMNI PUMP SIDE (#1)	480V	7.5HP	3P	11A	20	1	MCC-8
14-16	3 COLOR FOAMER (MR. FOAMER)	120V						L-40
18-A	CONVEYOR POWER PACK (Twin)	480V	7.5HP	3P	11A	20	1	MCC-10
18-A	CONVEYOR POWER PACK (Twin)	480V	7.5HP	3P	11A	20	1	MCC-11
20	DIGITAL QUEUE	120V		1P		10		L-5
20-B	PROGRAMMER PUSH BUTTON STATION	120V		1P		20		L-25
20-C	PAY STATION-SPS (Qty.2)	120V		1P		20		L-13,15
20-D	GATE (Qty.2)	120V		1P		20		L-49,51
21	MOTOR CONTROL CENTER (MCC)	480V		3P	TBD			MCC' SCHEDULE
22-E	WARNING HORN	120V		1P				L-27
24-G	TOP BRUSH MOTOR	480V	1HP	3P	1.65A	15	00	MCC-12
24-G	TOP BRUSH MOTOR	480V	1HP	3P	1.65A	15	00	MCC-14
25-A	BLOWER MOTOR NO.1	480V	15HP	3P	17A	40	2	MCC-15
25-B	BLOWER MOTOR NO.2	480V	15HP	3P	17A	40	2	MCC-16
25-C	BLOWER MOTOR NO.3	480V	15HP	3P	17A	40	2	MCC-17

480V		EQUIPMENT LIST						
ITEM #	DESCRIPTION	ELECTRICAL					PANEL/ CIRCUIT	
		VOLT	HP	PHASE	AMP	C.B.		
25-D	BLOWER MOTOR NO.4	480V	15HP	3P	17A	40	2	MCC-18
25-E	BLOWER MOTOR NO.5	480V	15HP	3P	17A	40	2	MCC-19
25-F	BLOWER MOTOR NO.6	480V	15HP	3P	17A	40	2	MCC-20
25-G	BLOWER MOTOR NO.7	480V	15HP	3P	17A	40	2	MCC-21
25-H	BLOWER MOTOR NO.8	480V	15HP	3P	17A	40	2	MCC-22
25-I	BLOWER MOTOR NO.9	480V	15HP	3P	17A	40	2	MCC-23
25-J	BLOWER MOTOR NO.10	480V	15HP	3P	17A	40	2	MCC-24
25-K	BLOWER MOTOR NO.11	480V	15HP	3P	17A	40	2	MCC-25
27-B	U. SOUND SENSOR CONTROL BOX	120V		1P	.25A			L-7
27-C	CONVEYOR PULSE CONTROL BOX	120V		1P	.25A	10		L-7
29-3	PIPE LIGHT, LED IP69K (SIGN)	120V		1P	0.57A			L-7
29-5	FLEX TOWER (Mr. Foamer)	120V		1P		20		L-46
29-6	GALAXY ARCH (Mr. Foamer)	120V		1P		20		L-48
29-E	T.S.A. (SIGN)	120V		1P	2.5A			L-50
29-S	Fusion CERAMIC (SIGN)	120V		1P	2.5A			L-50
29-S	Fusion CERAMIC (SIGN)	120V		1P	2.5A			L-50
30-C	(WAIT & GO) INSTRUCTIONAL SIGN	120V		1P	2.5A	20		L-29
30-E	ENTRANCE INSTRUCTIONAL CABINET	120V		1P		20		L-11
30-G	PKG. RECEIVED SIGN	120V		1P		20		L-29
30-i	MENU DISPLAY (Qty.2)	120V		1P		20		L-19,21
33-B	GRUNDFOS PUMP_40GPM	480V	7.5HP	3P	11A	20		MCC-26
37-A	VACUUM (20HP)	480V	20HP	3P	23.5A	50	2	MCC-27
37-A	VACUUM (20HP)	480V	20HP	3P	23.5A	50	2	MCC-28
37-A	VACUUM (20HP)	480V	20HP	3P	23.5A	50	2	MCC-29
37-A	VACUUM (20HP)	480V	20HP	3P	23.5A	50	2	MCC-30
37-A	VACUUM (20HP)	480V	20HP	3P	23.5A	50	2	MCC-31
37-A	VACUUM (20HP)	480V	20HP	3P	23.5A	50	2	MCC-32
37-A	VACUUM (20HP)	480V	20HP	3P	23.5A	50	2	MCC-33
37-A	VACUUM (20HP)	480V	20HP	3P	23.5A	50	2	MCC-34
38	MAT. MACHINE	120V		1P		20		L-44
40-E	PINNACLE ARCH (Mr. Foamer)	120V		1P		20		L-42

GENERAL NOTES:

- COORDINATE ALL FINAL CONNECTIONS/ELECTRICAL DEVICES WITH CARWASH VENDOR/DRAWINGS.

THIS DRAWING IS THE PROPERTY OF E-E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E-E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E-E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

E-E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E-E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770)908-9908

WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328  
WE# 22164

TOP CAPITAL CAR WASH  
765 DACULA ROAD  
DACULA, GA



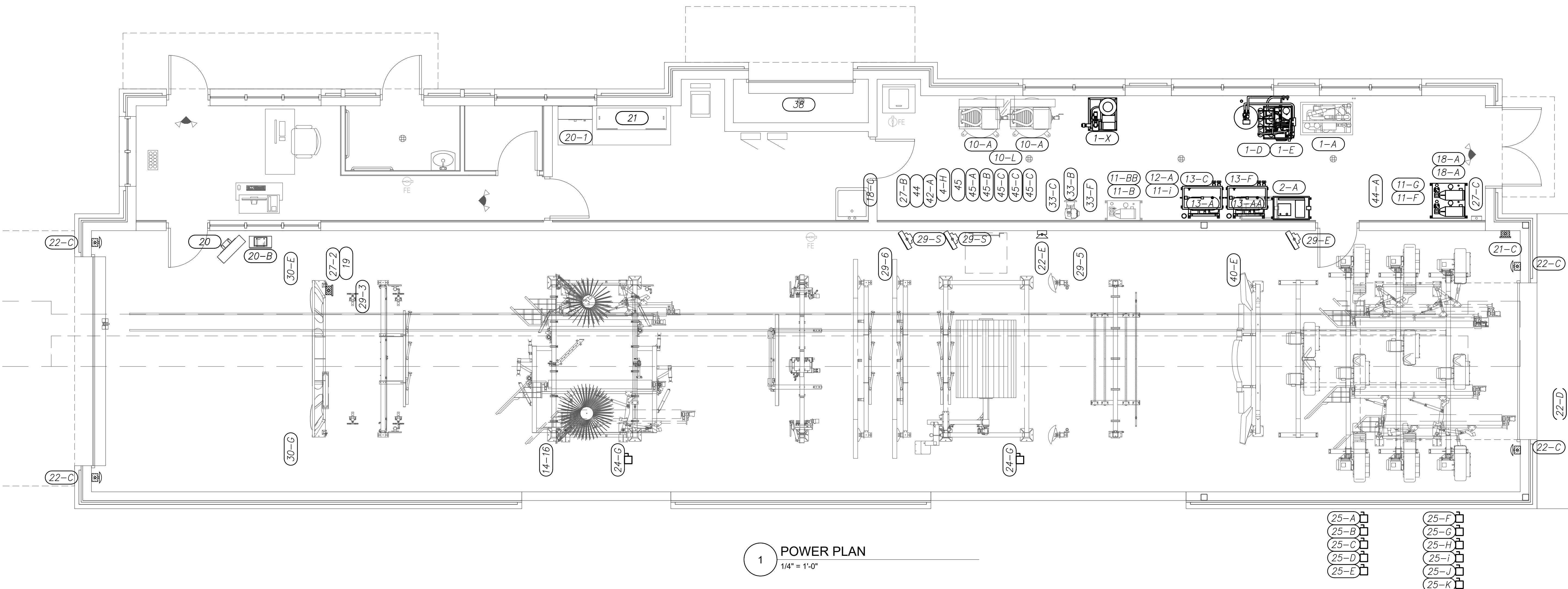
No. Date Issue Notes



EQUIPMENT PLAN

Date: 8.1.2022 Project Number: 2021-83

Drawing Number: E-2.1



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

THIS DRAWING IS THE PROPERTY OF E-E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E-E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E-E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

E-E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE, AND THAT E-E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770)908-9908

WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328  
WE# 22164

**TOP CAPITAL CAR WASH**  
765 DACULA ROAD  
DACULA, GA



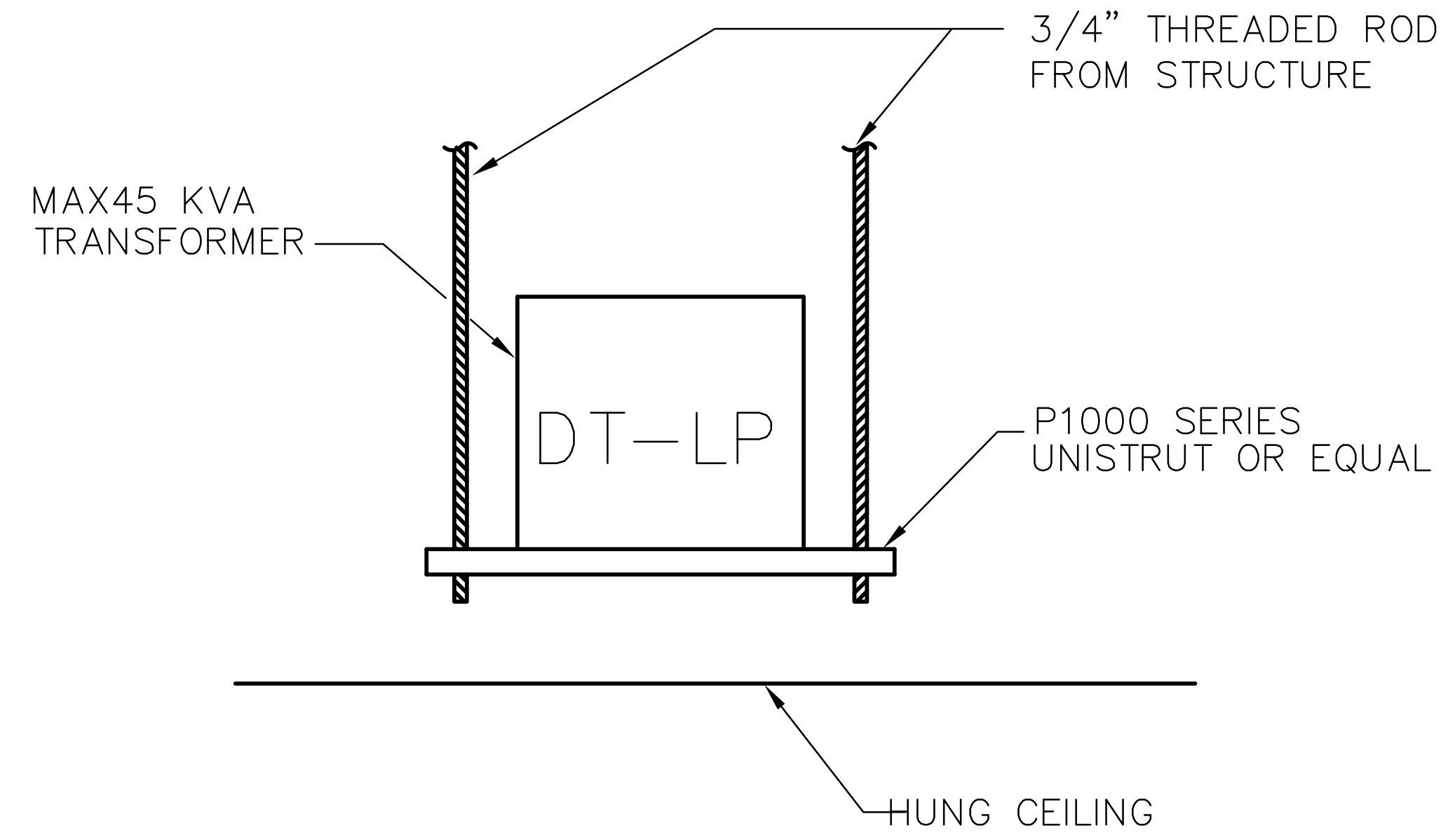
No.	Date	Issue Notes



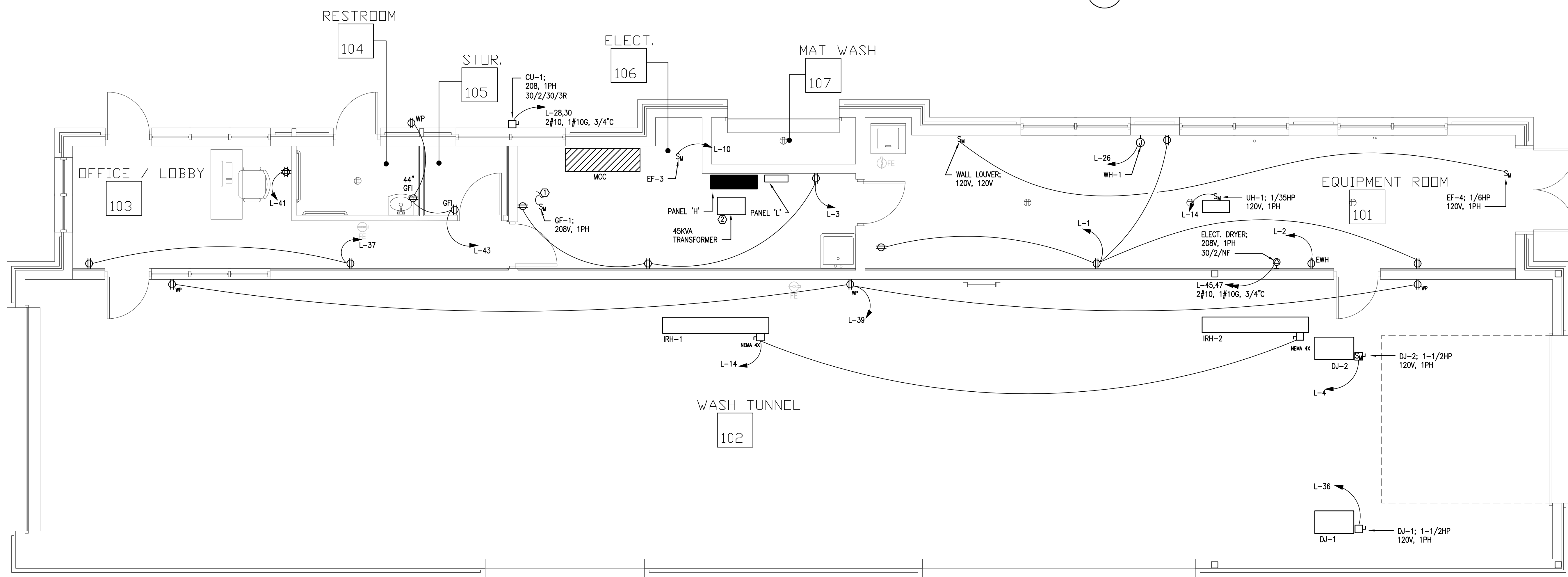
**POWER PLAN**

Date	8.1.2022	Project Number	2021-83
OID File Name			
Drawing Number			

**E-2.2**



**2 TRANSFORMER SUPPORT DETAIL**  
N.T.S



**1 POWER PLAN**  
1/4" = 1'-0"

- KEYNOTES**
- ① CONNECT TO ASSOCIATED CONDENSING UNIT PER MANUFACTURER'S RECOMMENDATIONS IN 3/4"C.
  - ② REFER TO TRANSFORMER SUPPORT DETAIL; THIS SHEET.

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

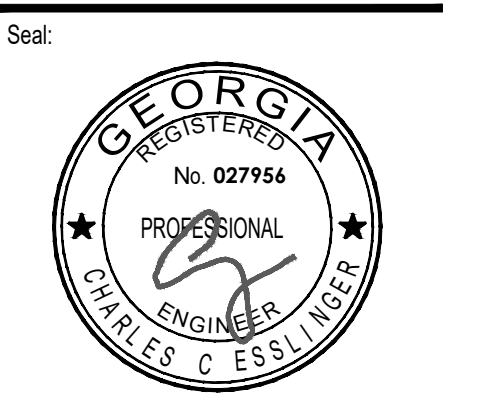
E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE; AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

CONSULTING ENGINEERS:

PALMER ENGINEERING:  
3585 Habersham at Northlake,  
Building N  
Tucker, Georgia 30084  
(770)908-9908

WESTSIDE ENGINEERING:  
5525 Interstate N. Parkway  
Suite 200  
Atlanta, GA 30328  
WE# 22164

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**



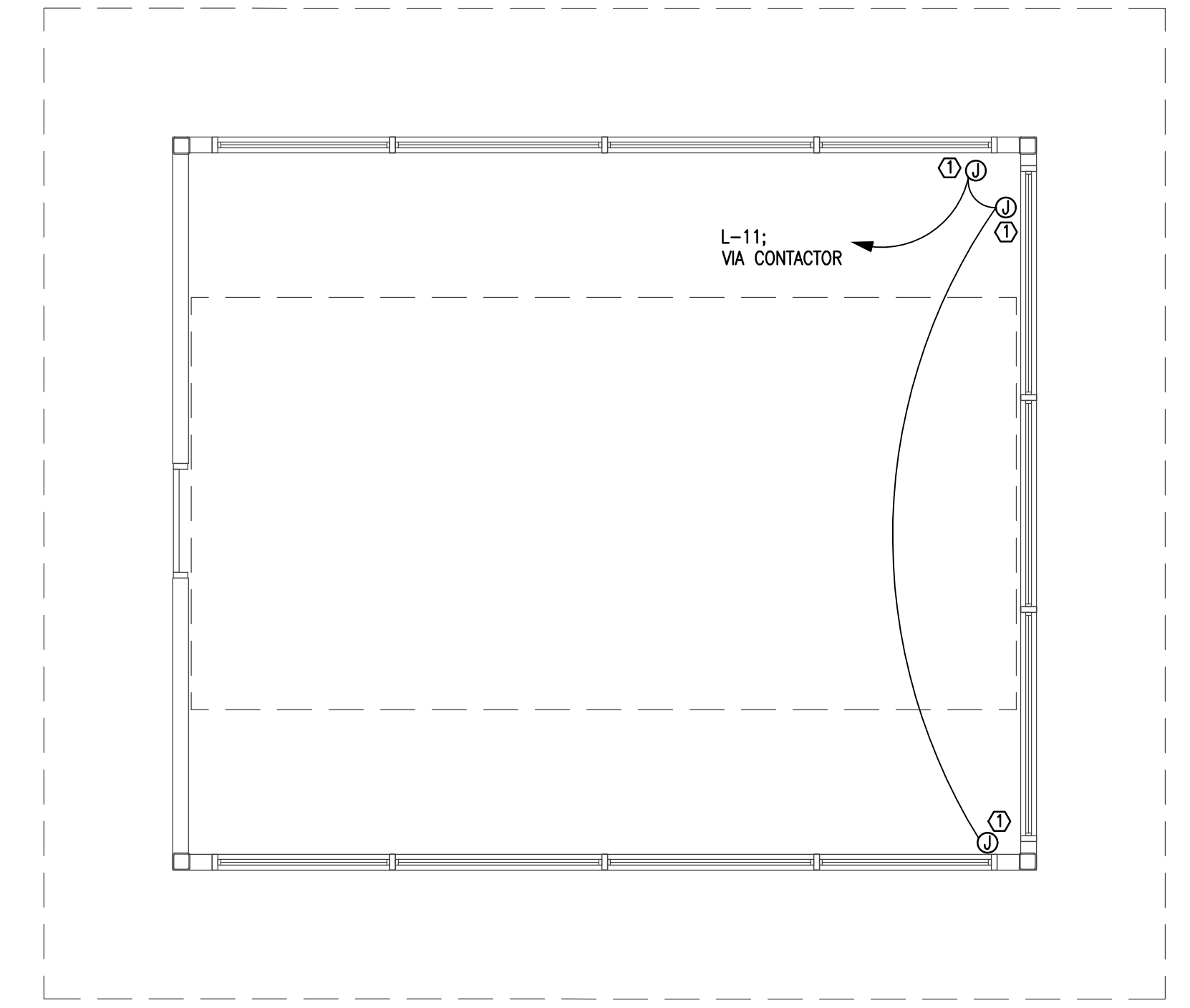
No.	Date	Issue Notes



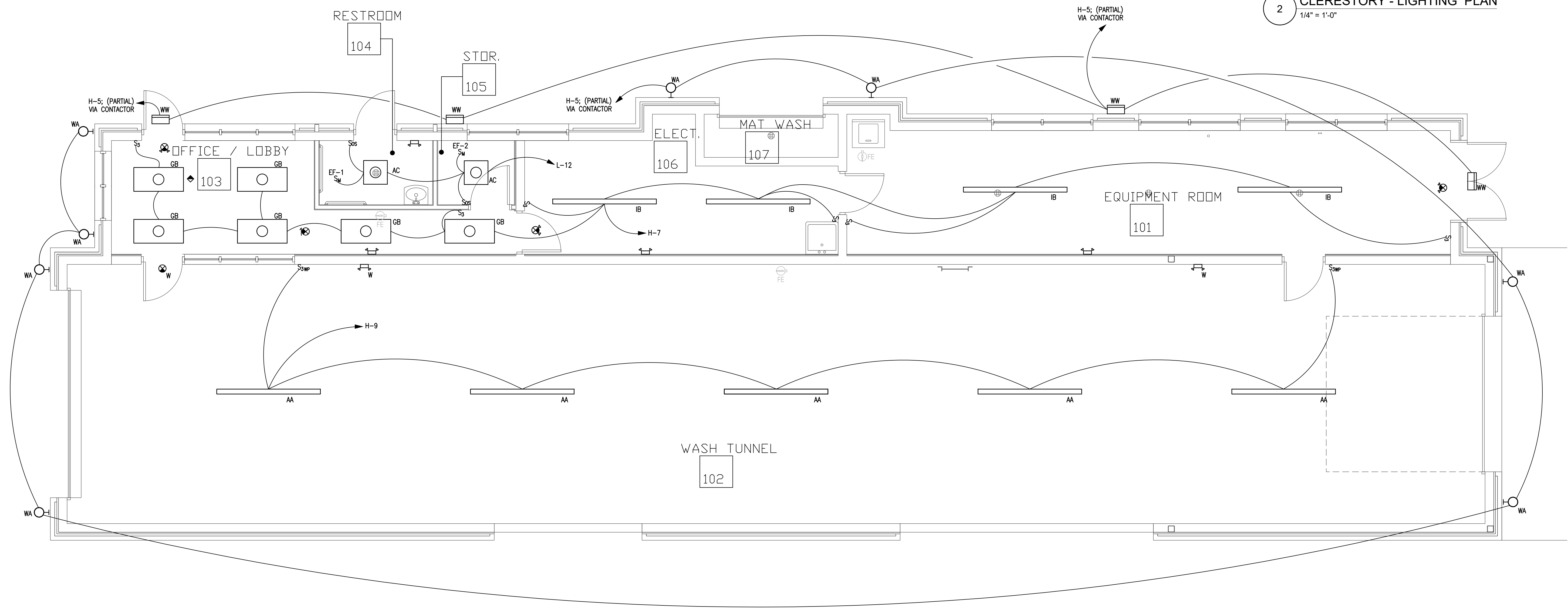
**LIGHTING PLAN**

Date	8.1.2022	Project Number	2021-83
CAD File Name			
Drawing Number			

**E-3.1**



**2 CLERESTORY - LIGHTING PLAN**  
1/4" = 1'-0"



**1 LIGHTING PLAN**  
1/4" = 1'-0"

**GENERAL NOTES**  
1. PULL AN UNSWITCHED PHASE CONDUCTOR TO ALL EMERGENCY AND EGRESS LIGHTING UNLESS NOTED OTHERWISE.

**KEYNOTES**  
① PROVIDE JUNCTION BOX FOR FUTURE LED LIGHTED PANEL.

**SUBMITTALS:**

- SUBMIT SHOP DRAWINGS & PRODUCT INFORMATION FOR THE FOLLOWING:
  - SERVICE & DISTRIBUTION EQUIPMENT
  - PROTECTIVE DEVICES
  - LIGHTING FIXTURES AND LAMPS
  - WIRING DEVICES AND COVER PLATES

**DISTRIBUTION EQUIPMENT:**

- DISTRIBUTION EQUIPMENT; RATED FOR 240 OR 600 VAC, 60 HZ, FAULT CURRENT INTERRUPTING CAPACITY AS INDICATED IN AMPERES; RIMS, SYMMETRICAL, BUT NOT LESS THAN 10,000 AMPS, WITH SOLID NEUTRAL GROUND (S/N); ABB/GENERAL ELECTRIC (ABB-G.E.), SCHNEIDER ELECTRIC/SQUARE-D, SIEMENS-ALLIS ITE PRODUCTS, EATON/CUTLER HAMMER.
- DISTRIBUTION EQUIPMENT USING CIRCUIT BREAKER TYPE PROTECTIVE DEVICES; BOLTED-ON OR SQUARE D I-LINE DEVICES.
- PANELBOARDS: FACTORY ASSEMBLED, MINIMUM WIDTH OF 30 INCHES, A MINIMUM DEPTH OF 5-3/4 INCHES, AND MINIMUM MAINS RATED 100 AMPERES, WITH POLE SPACES; BUSSED AND READY FOR INSTALLATION OF PROTECTIVE DEVICES, CABINETS; FULL SIZED SINGLE DOORS WITH CHROMIUM PLATED COMBINATION CYLINDER LOCK AND CATCH AND TWO KEYS. ABB/GENERAL ELECTRIC OR EQUAL: TYPE "NLAB" W/ Q-LINE BRANCH CIRCUIT BREAKERS; TYPE "NHB" WITH E-FRAME BREAKERS.
- PANELBOARD MAINS; COPPER OR ALUMINUM WITH BRANCH CONNECTIONS IN VERTICALLY DISTRIBUTED CONSECUTIVE PHASE SEQUENCE SUCH THAT ONE OR MULTIPLE POLE BREAKERS CAN BE MOUNTED IN ANY POSITION. SOLID NEUTRAL BUS; WITH A FEEDER LUG AND WITH A SEPARATE SET-SCREW TERMINAL FOR EACH BRANCH CIRCUIT POLE.
- PANELBOARD MOUNTING; TOP OF ENCLOSURE 78 INCHES ABOVE THE FINISHED FLOOR/GRADE, WITH THE BOTTOM OF THE CABINET NOT CLOSER THAN 6 INCHES TO THE FLOOR/GRADE, PROPERLY ALIGNED AND SUPPORTED INDEPENDENTLY OF THE CONNECTING RACEWAYS. COMPLETE INSIDE CIRCUIT DIRECTORY CARD USING A TYPEWRITER.
- DISCONNECT SWITCHES; "HEAVY-DUTY" RATED WITH QUICK-MAKE AND QUICK-BREAK MECHANISMS. PROVIDE GROUND LUGS AND CODE REQUIRED ACCESSORIES. SWITCHES LOCATED OUTSIDE; "NEMA-3R" ENCLOSED TYPE WITH LOCKING HASP.
- PROVIDE AN ENCLOSED SWITCH FOR ELECTRICALLY SERVED EQUIPMENT. PROVIDE SWITCHES & FUSES, INCLUDING HEATER ELEMENTS, RATED PER THE CHARACTERISTICS AND NAMEPLATE RATINGS OF EQUIPMENT IN ACCORDANCE WITH CODE REQUIREMENTS, MANUFACTURER'S RECOMMENDATIONS AND CHARTS. PROVIDE SWITCHES WITH CODE REQUIRED ACCESSORIES.
- FUSED SWITCHES IN BRANCH CIRCUITS; NON-RENEWABLE CARTRIDGE FUSES RATED 250 OR 300 VAC OR 600VAC AS FOLLOWS:
  - SIZES 1 TO 200 AMPS; DUAL ELEMENT, CURRENT LIMITING FUSES, CLASS "RK-1", OR "RK-5", SELECTED TO PROVIDE STARTING AND LIMIT LET-THRU CURRENT.
  - OTHER RATINGS, SIZES OR SPECIAL APPLICATIONS AS INDICATED.
- STATIONARY FRACTIONAL HORSEPOWER MOTORS NOT PROVIDED WITH INTEGRAL MOTOR RUNNING OVERLOAD PROTECTION, OR INHERENTLY PROTECTED BY DESIGN; SWITCHED BY A FRACTIONAL HORSEPOWER STARTER PROVIDING SUPPLEMENTARY PROTECTION.
- STARTERS AND DISCONNECT SWITCHES; ENCLOSED QUICK-MAKE AND QUICK-BREAK MECHANISMS.
- BRANCH CIRCUIT BREAKERS; MOLDED CASE, AUTOMATIC TRIPPING TYPE, BOLT-ON OR I-LINE CONSTRUCTION, MINIMUM FRAME SIZE OF 100 AMPS AND A MINIMUM TRIP SIZE OF 15 AMPS CALIBRATED FOR 400c. PROVIDE SUITABLE TYPE BREAKERS SERVING HIGH INRUSH CIRCUITS FOR INCANDESCENT LIGHTING.
- GROUP SINGLE-POLE BREAKERS USED FOR MULTI-WIRE CIRCUITS CONSECUTIVELY ON THE SAME SIDE OF THE CABINET.

**CONDUCTORS:**

- CONDUCTORS; SOFT DRAWN, ANNEALED COPPER WITH CONDUCTIVITY OF NOT LESS THAN 98 "ASTM" STANDARDS.
- CONDUCTOR SIZE NUMBERS; AMERICAN WIRE GAUGE (AWG, SYSTEM, STANDARD TRADE SIZES.
- CONDUCTORS; COLOR CODED PER CODE AND UTILITY CO.
- CONDUCTORS:
  - No.10 AWG SIZE AND SMALLER; SOLID OR STRANDED.
  - No.8 AWG SIZE AND LARGER; STRANDED. STRANDED CONDUCTORS; CLASS 'B' OR 'C'.
  - CONTROL CIRCUITS; MINIMUM AWG No.14.
  - POWER AND LIGHTING BRANCH CIRCUITS; AWG # 12 FOR GENERAL CIRCUITS NOT REQUIRING DERATING OR SIZE INCREASE TO REDUCE VOLTAGE DROP.
- USE A SEPARATE LUG FOR EACH CONDUCTOR WHERE MULTIPLE CONDUCTORS ARE CONNECTED TO THE SAME ELECTRICAL TERMINAL POSITION.
- BRANCH CIRCUIT CONDUCTORS; UNSPLICED EXCEPT WHERE CIRCUITS ARE SHOWN TO DIVIDE BY THE PLANS.
- GENERAL WIRING CONDUCTORS OPERATING AT 600 VOLTS AND BELOW; RATED 60 HERTZ, 600 VOLTS, WITH 750c OR 900c INSULATION AS FOLLOWS:
  - FEEDER CONDUCTORS: RATED FOR WET LOCATIONS OF "THW", "THWN" OR "XHHW".
  - BRANCH CONDUCTORS RATED FOR:
    - WET LOCATIONS, OR LOCATIONS LOCATED BELOW GRADE OR ENCASED IN SLAB ON GRADE, OF "THW", "THWN" OR "XHHW".
    - DRY LOCATIONS OF "THW", "THWN", "XHHW" OR "THHN".
  - RATED LIGHTING CONDUCTORS FOR CIRCUITS REQUIRING 900c RATING; "THHN" OR "XHHW", OR OTHER APPROVED TYPE.
  - JOINTS ON CONDUCTORS RATED ABOVE 750c; TAPED OR MADE-UP WITH MATERIALS HAVING A SUITABLE HIGH TEMPERATURE RATING.

**RACEWAYS:**

- INSTALL WIRING IN METALLIC, RIGID TYPE RACEWAYS ABOVE ACCESSIBLE CEILINGS. MC CABLE SHALL BE PERMITTED TO BE USED IN NON-ACCESSIBLE AREAS.
- RUN RACEWAYS AND CABLE CONCEALED, EXCEPT RACEWAYS IN EQUIPMENT ROOMS RUN EXPOSED.
- RACEWAYS IN ORDINARY LOCATIONS:
  - INSIDE (NOT IN WET OR DAMP LOCATIONS OR EXPOSED TO MECHANICAL INJURY); STEEL, ELECTRICAL METALLIC TUBING (EMT) OR MC CABLE.
  - EXPOSED OUTSIDE, THROUGH OUTSIDE WALL OR ROOF, OR THROUGH TWO-HOUR OR MORE RATED FIRE BARRIERS; GALVANIZED RIGID STEEL (GRS) CONDUIT MADE UP WATER TIGHT.
  - FINAL CONNECTION IN DRY LOCATIONS SERVING LIGHTING FIXTURES; FLEXIBLE METAL CONDUIT OR FLEXIBLE METALLIC TUBING.
  - CONNECTIONS TO MOTORS, OR TO COMPONENTS IN WET OR DAMP LOCATIONS, LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LT FLEX).
- RIGID STEEL GRS, AND STEEL IMC; HOT DIP GALVANIZED
- STEEL EMT; HOT DIP GALVANIZED OUTSIDE, AND ENAMEL OR GALVANIZED FINISHED INSIDE.
- EMT COUPLINGS AND CONNECTORS; METAL AS FOLLOWS:
  - RAINTIGHT, HEX-NUT, EXPANSION- GLAND COMPRESSION STEEL, FOR ANY WET OR DAMP LOCATION OR FEEDER (OR SUB-FEEDER).
  - SET-SCREW OR TAP-ON, STEEL OR CAST METAL, FOR DRY LOCATIONS.
- CIRCULAR RACEWAYS; MINIMUM TRADE SIZE AS FOLLOWS:
  - 1/2-INCH; GENERAL.
  - 3/4-INCH; "HOMERUN" CIRCUIT WIRING;
  - MORE THAN (3) CONDUCTORS.

- SIZE RACEWAYS TO ACCOMMODATE THE ENCLOSED CONDUCTORS.
- PROVIDE JUNCTION OR PULL BOXES TO AVOID EXCESSIVE RUNS OR BENDS BETWEEN OUTLETS, AND AT LOW POINTS IN RACEWAY RUNS.
- SUPPORT CONCEALED CONDUIT ABOVE THE CEILING INDEPENDENTLY OF CEILING CONSTRUCTION. INSTALL CONDUITS HIGH ABOVE LAY-IN CEILINGS TO PERMIT REMOVAL OF CEILING PANELS OR EQUIPMENT.
- INSTALL EXPOSED RACEWAYS PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS AND ARCHITECTURAL FEATURES. INSTALL CONCEALED CONDUIT RACEWAYS WITH AS FEW BENDS AS FEASIBLE, COORDINATED WITH STRUCTURAL, MECHANICAL AND ARCHITECTURAL REQUIREMENTS. ROUTE RACEWAYS TO AVOID "TRAPPING" WHERE PRACTICABLE.

**ENCLOSURES AND BOXES:**

- EQUIPMENT ENCLOSURES, BOXES, & COVERS; GALVANIZED STEEL, MALLEABLE IRON, GRAY IRON, OR COPPER-FREE ALUMINUM. SCREWS; STAINLESS STEEL; ALUMINUM FOR ALUMINUM BOXES.
- ENCLOSURES:
  - FLUSH MOUNTED WITH CONCEALED RACEWAYS OR FLUSH MOUNTED DEVICES.
  - SURFACE MOUNTED TYPE IN EQUIPMENT ROOMS, WITH EXPOSED RACEWAYS AND OTHER SURFACE MOUNTED DEVICES.
- BOXES FOR USE WITH GENERAL RACEWAY SYSTEMS; 4 INCHES SQUARE OR OCTAGONAL SIZE, NOT BE LESS THAN 1-1/2 INCHES DEEP, EXCEPT WHERE SHALLOWER BOXES ARE REQUIRED BY STRUCTURAL CONDITIONS. 4 BY 2 INCH BOXES; WHERE ONLY ONE RACEWAY ENTERS AN OUTLET BOX, OR WHERE NEEDED TO MATCH DEVICES AND/OR MOUNTING HARDWARE.
- BOXES FOR RACEWAY SYSTEMS SERVING CEILING "POWER" GRID SYSTEMS OR LIGHTING FIXTURES; SIZE 4-11/16 INCH SQUARE BOXES, 42 CU. IN. USE EXTENSION RINGS OR LARGER BOXES IF NECESSARY TO MEET CU. IN. CAPACITY REQUIRED BY CODE.
- ENCLOSURES AND BOXES; VOLUME AND REQUIRED WIRE BENDING AND CUTTER SPACE AND FEATURES TO SUIT CODE REQUIREMENTS.
- DO NOT INSTALL BOXES BACK-TO-BACK. DO NOT USE THRU-WALL TYPE BOXES. SEPARATE BOXES IN THE SAME FIRE RATED WALL BY EITHER SOLID STUDS, OR A MINIMUM DISTANCE ESTABLISHED BY LOCAL BUILDING OFFICIALS; SEAL CONNECTING CONDUIT TO PREVENT THE TRANSMISSION OF HEAT, SMOKE, AND NOISE, WITH SEALING METHOD AS APPROVED BY THE FIRE MARSHAL.
- DO NOT USE SUSPENDED CEILING CONSTRUCTION TO SUPPORT RACEWAYS, BOXES OR OTHER ITEMS, EXCEPT AS ALLOWED BY CODE AND ACCEPTED BY THE ARCHITECT IN WRITING.

**DEVICES:**

- SWITCHES; STANDARD LINE STYLE, MAINTAINED, 15 OR 20 AMPS, 120-277 VAC, QUIET OPERATING, FLUSH MOUNTING, BY LEVITON, "SPEC-MASTER, COMMERCIAL SPEC. GRADE" SERIES, HUBBELL OR ARROW HART.
- RECEPTACLES; STANDARD LINE STYLE, STRAIGHT BLADE, 2-POLE, 3-WIRE GROUNDING TYPE, RATED 125 VAC, 15 OR 20 AMPS, BY LEVITON, "SPECMASTER, COMM. SPEC. GRADE" SERIES, HUBBELL OR ARROW HART.
- DIMMER SWITCHES; RATED FOR FULL RANGE DIMMING OF 120 VAC LOADS, EITHER FLUORESCENT OR INCANDESCENT, KNOB OR SLIDE CONTROLLED W/ FULL OFF POSITION, FLUSH MOUNTABLE IN STANDARD 1-GANG OR 2-GANG BOXES. ARCHITECTURAL STYLE, THIN PROFILE TYPES, BY LEVITON, "COMM. SPEC. GRADE" SERIES, LUTRON OR LITHONIA.
- GROUND FAULT CIRCUIT INTERRUPTED (GFCI) RECEPTACLES; U.L. LISTED FOR PERSONNEL PROTECTION AGAINST LINE-TO-GROUND SHOCK HAZARD. GFCI RECEPTS.; DUPLEX, "DECORA STYLE" BY LEVITON, "COMM. SPEC. GRADE", HUBBELL OR ARROW HART.
- KEYLESS LAMPHOLDER; WHITE PORCELAIN, 660 WATTS AT 250 VOLTS; LEVITON, CAT. No. 9875-2.
- LOW VOLTAGE SWITCHES & COMPONENTS: ABB/GENERAL ELECTRIC, 24-VOLT SYSTEM.
- COVER PLATES: FOR FLUSH, INSIDE, WALL MOUNTED DEVICES; LEVITON.
- MOUNT DEVICES RECESSED FOR FLUSH INSTALLATION. PROVIDE COVER PLATES FOR EACH DEVICE.
- ALIGN DEVICES AT DIFFERENT LEVELS VERTICALLY. GROUP DEVICES AT THE SAME LEVEL USING SECTIONAL GANG BOXES. CENTER DEVICES IN ARCHITECTURAL FEATURES.
- LOCATE WALL SWITCHES ON THE STRIKE SIDE OF A DOOR, SIX (6) INCHES FROM THE OPENING.
- MOUNT SMALL FLUSH MOUNTED MOTOR DEVICES IN STANDARD DEVICE BOXES.
- INSTALL WIRING DEVICES WITH TOP-OF-BOX MOUNTING HEIGHTS ABOVE FINISHED FLOORS BETWEEN 18 INCHES AND 48 INCHES, AS REQUIRED BY HANDICAPPED CODES.
- COVER PLATES FOR FLUSH, DRY, ORDINARY LOCATIONS; STANDARD SIZE ONE PIECE. WIRING DEVICES AND COVER PLATE FINISHES; AS INDICATED BY THE PLANS.

**LIGHTING:**

- PROVIDE ALL LAMPS AT 3500K, UNLESS NOTED OTHERWISE.
- FIXTURE CRI SHALL MEET OR EXCEED THAT SPECIFIED IN FIXTURE SCHEDULE INCLUDED WITHIN CONTRACT DOCUMENTS. WHERE NO CRI IS SCHEDULED, CRI SHALL BE 80 OR GREATER.
- ALL LED DRIVERS SHALL HAVE AN OPERATING EFFICIENCY OF AT LEAST 85%, MINIMUM STARTING TEMPERATURE OF AT LEAST -40DEGREES CELSIUS, VOLTAGE INPUT/PHASE AS SPECIFIED IN FIXTURE SCHEDULE.
- ALL LED FIXTURES SHALL COME EQUIPPED WITH INTEGRAL HEAT DISSIPATION SYSTEMS.
- LED FIXTURES SHALL HAVE LED SOURCES AND DRIVERS THAT ARE ACCESSIBLE FROM THE EXPOSED SIDE OF THE FIXTURE AND DO NOT REQUIRE REMOVAL OF FIXTURE FOR LED SOURCE AND/OR DRIVER REPAIR/REPLACEMENT.
- FLUORESCENT BALLASTS; HIGH POWER FACTOR (HPF) TYPE, CLASS "P" PROTECTED, SOUND RATING 'A', AND ENERGY SAVING TYPE.
- FLUORESCENT BALLASTS FOR THE MINI-LAMPS; U.L. LABELED OR ACCEPTABLE TO BUILDING OFFICIALS, ENCAPSULATED, QUIET OPERATING DESIGN IF AVAILABLE.
- ORIENT FLUORESCENT LAMPS WITHIN THE SAME VISUAL SPACE IN THE SAME DIRECTION.

**GROUNDING:**

- GROUND ELECTRICAL SYSTEMS, EQUIPMENT, AND SUPPORTING STRUCTURES. PROVIDE BONDING JUMPERS WHERE NECESSARY. MECHANICALLY AND ELECTRICALLY SECURE METAL RACEWAYS AND FITTINGS, JOINTS AND CONNECTIONS AT EQUIPMENT TO PROVIDE AN GROUNDING MEANS. METAL RACEWAYS; ELECTRICALLY CONTINUOUS THROUGHOUT THEIR LENGTH FOR AN EFFECTIVE GROUNDING PATH TO THE POWER SERVICE DISCONNECT SWITCH.
- INSTALL GROUNDING CONDUCTORS WITHOUT JOINT OR SPLICE TO THE GREATEST PRACTICAL EXTENT.
- PROVIDE FOR EACH RACEWAY A GREEN #12 GROUNDING CONDUCTOR IN ADDITION TO BRANCH CONDUCTORS INDICATED.
- DO NOT SPLICE MAIN BONDING JUMPER. CONFIRM THAT A MAIN BONDING JUMPER IS PROVIDED AT THE POINT OF SERVICE ONLY.

**TESTING:**

- TEST INDIVIDUAL SYSTEMS AND COMPONENTS FOR FULL FUNCTIONAL REQUIREMENTS. PERFORM TESTS AS REQUIRED BY CODE, LOCAL PRACTICES, OR AS REASONABLY REQUIRED BY THE OWNER'S REPRESENTATIVE WHERE A QUESTION ARISES AS TO THE PROPER INSTALLATION OR OPERATION OF MATERIALS.
- PROVIDE TESTING INSTRUMENTS, PROCEDURES, AND DOCUMENTATION.

**MISCELLANEOUS:**

- SELECT, SIZE, AND ASSEMBLE FOUNDATIONS, SUPPORTS, AND FASTENERS.
  - FASTENINGS FOR SECURING CONDUIT RUNS, LIGHT APPARATUS.
    - BOLTS, BEAM CLAMPS, OR DRIVEN OR WELDED STUDS ON STEEL WORK
    - TOSGLE BOLTS ON HOLLOW TILE OR CONCRETE BLOCKS
    - STEEL ANCHORS OF THE SELF-DRILLING OR NON-DRILLING TYPES ON SOLID CONCRETE OR MASONRY
    - POWER DRIVEN STUDS MAY BE USED ON STEEL AND SOLID CONCRETE WHERE ACCEPTED BY THE OWNER'S REPRESENTATIVE.
- MAJOR COMPONENTS OF THE DISTRIBUTION SYSTEM SUCH AS THE PANELBOARD SHALL HAVE PERMANENT NAMEPLATES FOR EQUIPMENT IDENTIFICATION.
- SEAL CONDUITS ROUTED BETWEEN SPACES OF DIFFERENT AMBIENT TEMPERATURES, SUCH AS REFRIGERATED SPACES OR OUTDOOR AREAS, TO PREVENT CIRCULATION OF AIR.
- INSTALL RACEWAY OR CABLE, ETC. THAT PENETRATES A FIRE BARRIER, WITH MATERIALS AND METHODS APPROVED FOR APPLICATION BY BUILDING OFFICIALS. IDENTIFY EACH FIRE BARRIER FROM THE ARCHITECTURAL PLANS, AND FOR SECURE APPROVAL OF MATERIALS AND METHODS FOR EACH TYPE PENETRATION.

**TELEPHONE SYSTEM ROUGH-IN:**

- CONTACT THE TELEPHONE CO., COORDINATE THE WORK TO MAKE THE INSTALLATION READY FOR THE TELEPHONE COMPANY, INCLUDING CABINETS, RACEWAYS AND PULL WIRES, RACEWAY SYSTEM BOXES, DEDICATED ELECTRICAL BRANCH CIRCUITS AND RECEPTACLES, DEDICATED GROUNDING CONDUCTORS, AND MISCELLANEOUS MATERIALS OR DEVICES.
- PROVIDE COMPLETE ENCLOSED RACEWAYS WITH MEASURED PULL CORDS FOR FUTURE USE BY OTHERS. PROVIDE A 3/4" PVC CONDUIT FROM EACH MAIN CABINET OR BACKBOARD LOCATION TO NEAREST ACCESSIBLE, GROUND, METAL COLD WATER PIPE, AND A #6 SOLID COPPER CONDUCTOR BONDED TO THE WATER PIPE AND COILED FOR USE IN GROUNDING EQUIPMENT.



**COMcheck Software Version 4.1.5.5**  
**Interior Lighting Compliance Certificate**

**Project Information**

Energy Code: 2015 IECC  
 Project Title: Top Capital Car Wash  
 Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:  
 765 Dacula Road  
 Dacula, GA 30019

**Additional Efficiency Package(s)**

Credits: 1.0 Required 1.0 Proposed  
 Reduced Lighting Power, 1.0 credit

**Allowed Interior Lighting Power**

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Automotive Facility	3247	0.72	2338
Total Allowed Watts =			2338

**Proposed Interior Lighting Power**

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Automotive Facility				
AA: Other:	1	5	160	800
AC: Other:	1	2	27	53
IB: Other:	1	4	95	380
GB: Other:	1	6	36	216
Total Proposed Watts =				1449

**Interior Lighting PASSES: Design 38% better than code**

**Interior Lighting Compliance Statement**

**Compliance Statement:** The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Charles Esslinger

Name - Title

Signature

07/29/2022

Date

Project Title: Top Capital Car Wash Report date: 07/29/22  
 Data filename: C:\Users\Chris\Dropbox (Westside Engineering)\Westside Engineering Team Folder\2022\22164 Page 1 of 5  
 Top Capital Carwash\Elec\22164 - Top Capital Car Wash.cck

THIS DRAWING IS THE PROPERTY OF E+E ARCHITECTURE & IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN APPROVAL. IT IS ONLY TO BE USED FOR THE PROJECT & SITE SPECIFICALLY IDENTIFIED HEREIN & IS NOT TO BE USED ON ANY OTHER SITE. IT IS TO BE RETURNED UPON REQUEST. E+E ARCHITECTURE AND IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND HAS BEEN COPYRIGHTED E+E ARCHITECTURE INC. © 2021 OWNERSHIP IS NONTRANSFERABLE.

E+E ARCHITECTURE INC. IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE; AND THAT E+E ARCHITECTURE INC. IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

**CONSULTING ENGINEERS:**

PALMER ENGINEERING:  
 3585 Habersham at Northlake,  
 Building N  
 Tucker, Georgia 30084  
 (770)908-9908

WESTSIDE ENGINEERING:  
 5525 Interstate N. Parkway  
 Suite 200  
 Atlanta, GA 30328  
 WE# 22164

**TOP CAPITAL CAR WASH**  
**765 DACULA ROAD**  
**DACULA, GA**

Seal:




No.	Date	Issue/Notes
-----	------	-------------

Design Firm:



297 PRINCE AVE. SUITE 288  
 ATHENS, GEORGIA  
 O: 706.850.1330

Drawing Title:

**ELECTRICAL SPECIFICATIONS**

Rev: 8.1.2022	Project Number: 2021-83
---------------	-------------------------

CAD File Name:

Drawing Number:

**E-4.0**