SHEET INDEX

ARCHITECTURAL

		ISSUE FOR PERMIT - 07.03.2024	ISSUE FOR BID - MM.DD.YYYY	ISSUE FOR CONSTRUCTION - MM.DD.YYYY	REVISION 01 - MM.DD.YYYY	REVISION 02 - MM.DD.YYYY	REVISION 03 - MM.DD.YYYY	REVISION 04 - MM.DD.YYYY	REVISION 05 - MM.DD.YYYY	REVISION 06 - MM.DD.YYYY	REVISION 07 - MM.DD.YYYY
A0.00	COVER SHEET	●									
A0.01	GENERAL NOTES	●									
A0.02	CODE SUMMARY	●									
A0.10	LIFE SAFETY PLAN	●									
A0.21	RATED ASSEMBLIES	●									
A0.30	SITE PLAN	●									
A0.40	ENVELOPE COMPLIANCE CERTIFICATE	●									
A0.41	ACCESSIBILITY NOTES & DIAGRAMS	●									
A0.42	ACCESSIBILITY NOTES & DIAGRAMS	●									
A0.43	ACCESSIBILITY NOTES & DIAGRAMS	●									
A1.0	FLOOR PLAN	●									
A2.0	ROOF PLAN	●									
A3.0	EXTERIOR ELEVATIONS	●									
A4.0	BUILDING SECTIONS	●									
A6.0	REFLECTED CEILING PLAN	●									
A8.1	WALL SECTIONS	●									
A8.2	WALL SECTIONS	●									
A8.3	WALL SECTIONS	●									
A8.4	WALL SECTIONS	●									
A8.5	WALL SECTIONS	●									
A9.0	SECTION DETAILS	●									
A9.1	SECTION DETAILS	●									
A9.2	SECTION DETAILS	●									
A11.0	DOOR AND STOREFRONT SCHEDULES	●									
A11.1	EXTERIOR FINISH SCHEDULE	●									

STRUCTURAL

		ISSUE FOR PERMIT - 07.03.2024	ISSUE FOR BID - MM.DD.YYYY	ISSUE FOR CONSTRUCTION - MM.DD.YYYY	REVISION 01 - MM.DD.YYYY	REVISION 02 - MM.DD.YYYY	REVISION 03 - MM.DD.YYYY	REVISION 04 - MM.DD.YYYY	REVISION 05 - MM.DD.YYYY	REVISION 06 - MM.DD.YYYY	REVISION 07 - MM.DD.YYYY
S0.0	DESIGN CRITERIA & GENERAL NOTES	●									
S0.1	GENERAL NOTES, CONT.	●									
S0.2	SPECIAL INSPECTIONS	●									
S1.0	FOUNDATION PLAN - BUILDING 1	●									
S1.2	ROOF FRAMING PLAN - BUILDING 1	●									
S2.0	CONCRETE FOUNDATION DETAILS	●									
S2.1	FOUNDATION SECTIONS & DETAILS	●									
S3.0	WOOD SCHEDULES & DETAILS	●									
S3.1	WOOD SHEAR WALL SCHEDULES & DETAILS	●									
S3.2	WOOD SECTIONS & DETAILS	●									
S3.3	WOOD SECTIONS & DETAILS	●									
S4.0	ROOF FRAMING SECTIONS & DETAILS	●									
S4.1	ROOF FRAMING SECTIONS & DETAILS	●									
S4.2	STEEL FRAMING IN WOOD DETAILS	●									

PLUMBING

		ISSUE FOR PERMIT - 07.03.2024	ISSUE FOR BID - MM.DD.YYYY	ISSUE FOR CONSTRUCTION - MM.DD.YYYY	REVISION 01 - MM.DD.YYYY	REVISION 02 - MM.DD.YYYY	REVISION 03 - MM.DD.YYYY	REVISION 04 - MM.DD.YYYY	REVISION 05 - MM.DD.YYYY	REVISION 06 - MM.DD.YYYY	REVISION 07 - MM.DD.YYYY
P0.0	PLUMBING NOTES, LEGEND, DETAILS & FIXTURE SCHEDULE	●									
P1.0	PLUMBING PLAN - SHELL	●									

ELECTRICAL

E0.0	SYMBOL LEGEND, GENERAL NOTES, DETAILS	●									
E1.0	LIGHTING PLAN	●									
E1.1	POWER PLAN	●									
E2.0	POWER RISER, PANEL SCHEDULE	●									

ANGIER MEDICAL COMPLEX
BUILDING 1
75-91 LOGAN CT.
ANGIER, NC 27501

PROJECT DESCRIPTION

NEW CONSTRUCTION OF ONE-STORY TYPE VB RETAIL SHELL DEVELOPMENT.

STATUTORY BUILDING CODES

1. NORTH CAROLINA BUILDING CODE, 2018 EDITION
2. NORTH CAROLINA FIRE PREVENTION CODE, 2018 EDITION
3. NORTH CAROLINA MECHANICAL CODE, 2018 EDITION
4. NORTH CAROLINA PLUMBING CODE, 2018 EDITION
5. NORTH CAROLINA ELECTRICAL CODE, 2020 EDITION
6. NORTH CAROLINA ENERGY CONSERVATION CODE, 2018 EDITION
7. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 13), STANDARD FOR THE INSTALLATION OF SPRINKLER SYST., 2013 EDITION.
8. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 14), STANDARD FOR THE INSTALLATION OF STANDPIPE & HOSE SYSTEMS, 2013 EDITION.
9. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 20), INSTALLATION OF CENTRIFUGAL FIRE PUMPS, 2013 EDITION.
10. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 72), NATIONAL FIRE ALARM CODE, 2013 EDITION.
11. ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (A117.1), 2009 EDITION

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

KERR GRAY FINLEY REGISTERED ARCHITECT 9629 7/3/24 DURHAM, N.C.

FINLEY DESIGN, P.A. LICENSED ARCHITECTURAL CORPORATION NORTH CAROLINA 51513 DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

COVER SHEET

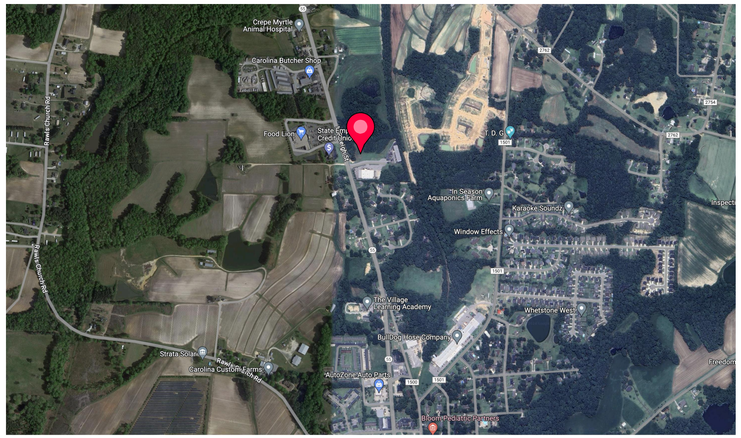
A0.00

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 R1 COVER SHEET.DWG

ABBREVIATIONS

AV	AUDIO VISUAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
ALT	ALTERNATE
&	AND
∠	ANGLE
ARCH	ARCHTECT(URAL)
@	AT
BLDG.	BUILDING
B.O.	BOTTOM OF
CER	CERAMIC
C.J.	CONTROL JOINT
CL	CENTER LINE
CLG.	CEILING
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CLO	CLOSET
C.O.	CLEAN OUT
COL.	COLUMN
CONC.	CONCRETE
COND.	CONDITION(ING)
CONSTR	CONSTRUCTION
CONT.	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CTR	CENTER
DBL.	DOUBLE
DEG	DEGREE
DF	DRINKING FOUNTAIN
DIA.	/ Ø DIAMETER
DIM	DIMENSION
DN.	DOWN
DTL	DETAIL
DWG	DRAWING
DWR	DRAWER
E.	EAST
EA	EACH
E.J.	EXPANSION JOINT
ELEV	ELEVATION
ELEC.	ELECTRIC(AL)
ENC	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
EXT.	EXTERIOR
EXIST	EXISTING
F.D.	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FHC	FIRE HOUSE CABINET
FIN	FINISH
FIXT	FIXTURE
FLR	FLOOR
F.O.	FACE OF
F.O.F.	FACE OF FINISH
F.O.P.	FACE OF STUD
'/ FT	FOOT / FEET
FS	FLOOR SINK
FSR	FIRE SPRINKLER RISER
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GLS	GLASS / GLAZING
GWB	GYPSUM WALL BOARD
GYP. BD.	GYPSUM WALL BOARD
H.C.	HOLLOW CORE
HDR	HEADER
HDWE	HARDWARE
H.M.	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENT. & AIR COND.
HW	HOT WATER
I.D.	INSIDE DIAMETER
"/ IN.	INCH
INCL	INCLUDE(D)
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
KD	KNOCK DOWN
LAM	LAMINATE(D)
LAV	LAVATORY
LBL	LABEL
LH	LEFT HAND
LL	LIVE LOAD
LT	LIGHT
LWC	LIGHT WEIGHT CONCRETE
MAT'L.	MATERIAL
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEMB	MEMBRANE
MTL	METAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
N.	NORTH
N.A.	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
NR	NON RATED
N.T.S.	NOT TO SCALE
#/ No.	NUMBER
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED, OWNER INSTALLED
OH	OPPOSITE HAND / OVERHEAD
OPP	OPPOSITE
PH	PANIC HARDWARE
PL / ℄	PROPERTY LINE
PERIM	PERIMETER
PERP	PERPENDICULAR
P.LAM.	PLASTIC LAMINATE
PLWD	PLYWOOD
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLY VINYL CHLORIDE
PVMT	PAVEMENT
R	RADIUS
RCP	REFLECTED CEILING PLAN
R.D.	ROOF DRAIN
REF	REFER(ENCE)
REINF	REINFORCING
REQ'D.	REQUIRED
RH	RIGHT HAND
RM	ROOM
S.	SOUTH
S.C.	SOLID CORE
SCHED	SCHEDULE
SEC	SECURITY
SECT	SECTION
S.F.	SQUARE FEET
SHWR	SHOWER
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS/ST. STL.	STAINLESS STEEL OR SOLID SURFACE
STD	STANDARD
STRUCT	STRUCTURAL
STL	STEEL
SUSP	SUSPENDED
SYM	SYMMETRICAL
TBD	TO BE DETERMINED
TBS	TO BE SPECIFIED
T.I.	TENANT IMPROVEMENT
T.O.	TOP OF (SPECIFY ITEM)
T.O.S.	TOP OF SLAB
T.O.W.	TOP OF WALL
TRANS	TRANSITION
TV	TELEVISION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UL	UNDERWRITERS LABORATORY
VAV	VARIABLE AIR VALVE
VCT	VINYL COMPOSITION TILE
VENT	VENTILATION
VERT	VERTICAL
VIF	VERIFY IN FIELD
W.	WEST
WIN	WINDOW
W/	WITH
W/O	WITHOUT
W.H.	WATER HEATER
WT	WEIGHT

PROJECT LOCATION



PROJECT NOTES

PROJECT MISC.

PROJECT SYMBOLS

- DOOR TAG
- WINDOW TAG
- STOREFRONT TAG
- WALL TYPE TAG
- EQUIPMENT TAG
- FINISH TAG
- ROOM TAG
- REVISION NUMBER
- DIMENSION
- WALL SECTION TAG
- EXTERIOR ELEVATIONS TAG
- INTERIOR ELEVATIONS TAG
- PLAN DETAIL TAG
- NOTE

PROJECT DIRECTORY

ARCHITECT: FINLEY DESIGN PA
7806 NC HWY 751, SUITE 110
DURHAM, NC 27713
TEL (919) 493-8200
CONTACT: KERRY FINLEY
KATE LYNCH

OWNER: BRADLEY BUILT, INC.
466 STANCIL RD
ANGIER, NC 27501
TEL (919) 639-2073
CONTACT: BO BRIDGERS

STRUCTURAL ENGINEER: IMEG CORP.
3708 FORESTVIEW RD, SUITE 103
RALEIGH, NC 27612
TEL (919) 650-6565
CONTACT: JOSH HOOKER

CIVIL ENGINEER: TIMMONS GROUP
5410 TRINITY ROAD, SUITE 102
RALEIGH, NC 27607
TEL (919) 866-4951
CONTACT: KEITH M. ROBERTS

MEP ENGINEER: ATLANTEC ENGINEERS PA
3221 BLUE RIDGE RD, SUITE 113
RALEIGH, NC 27612
TEL (919) 571-1111
CONTACT: DAVID J. WHITNEY

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

KERRY GRAY FINLEY REGISTERED ARCHITECT 9629 7/3/24 DURHAM, N.C.

FINLEY DESIGN, P.A. LICENSED ARCHITECTURAL CORPORATION 51513 NORTH CAROLINA DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

GENERAL NOTES

A0.01

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 COVER SHEET.DWG

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

NAME OF PROJECT	ANGIER MEDICAL COMPLEX - BUILDING 1				
ADDRESS	75-91 LOGAN CT. ANGIER, NC			ZIP CODE:	27501
PROPOSED USE	MULTI-TENANT				
OWNER/AUTHORIZED AGENT	KATE LYNCH	PHONE:	(919) 493-8200	E-MAIL:	kate@finleydesignarch.com
OWNED BY	- CITY/COUNTY	-	X PRIVATE		- STATE
CODE ENFORCEMENT JURISDICTION	X CITY:	ANGIER	- COUNTY:	-	- STATE

CONTACT:					
DESIGNER	FIRM	NAME	LICENSE #	PHONE	E-MAIL
ARCHITECTURAL	FINLEY DESIGN, PA	KERRY G. FINLEY	9629	(919) 493-8200	kerry@finleydesignarch.com
CIVIL	--	--	--	--	--
ELECTRICAL	ATLANTEC ENGINEERS	DAVID J. WHITNEY	17382	(919) 571-1111	david@atlantecengineers.com
FIRE ALARM	--	--	--	--	--
PLUMBING	ATLANTEC ENGINEERS	JAMES B. DELPAPA, JR.	22035	(919) 571-1111	jim@atlantecengineers.com
MECHANICAL	ATLANTEC ENGINEERS	JAMES B. DELPAPA, JR.	22036	(919) 571-1111	jim@atlantecengineers.com
SPRINKLER-STANDPIPE	--	--	--	--	--
STRUCTURAL	IMEG CORP.	JOSHUA A. HOOKER	--	(919) 650-6565	joshua.a.hooker@imegcorp.com
RETAINING WALLS >5' HIGH	--	--	--	--	--
OTHER					

2018 NC BUILDING CODE: X NEW BUILDING - ADDITION - RENOVATION

- 1ST TIME INTERIOR COMPLETION
- X SHELL/CORE - CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS.
- PHASED CONSTRUCTION - SHELL/CORE - CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS.

2018 NC EXISTING BUILDING CODE: EXISTING: - PERSCRIPTIVE - REPAIR - CHAPTER 14

ALTERATION: - LEVEL I - LEVEL II - LEVEL III

- HISTORIC PROPERTY - CHANGE OF USE

CONSTRUCTED: (INSERT DATE) CURRENT OCCUPANCY (S) (CH. 3):

RENOVATED: (INSERT DATE) PROPOSED OCCUPANCY (S) (CH. 3):

RISK CATEGORY (TABLE 1604.5): CURRENT: - I - II - III - IV

PROPOSED: - I - II - III - IV

BASIC BUILDING DATA

CONSTRUCTION TYPE	- I-A	- II-A	- III-A	- IV	- V-A	
(CHECK ALL THAT APPLY)	- I-B	- II-B	- III-B		X V-B	
SPRINKLERS	X NO	- PARTIAL	- YES	- NFPA 13	- NFPA 13R	- NFPA 13D
STANDPIPES	X NO	- YES	- CLASS I	- CLASS II	- CLASS III	
FIRE DISTRICT	X NO	- YES	FLOOD HAZARD AREA	- NO	- YES	
SPECIAL INSPECTIONS REQUIRED:	- NO	X YES (CONTACT THE LOCAL INSPECTIONS JURISDICTION FOR ADDITIONAL PROCEDURES AND REQUIREMENTS.				

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB TOTAL
3RD FLOOR	0	0	0
2ND FLOOR	0	0	0
MEZZANINE	0	0	0
1ST FLOOR	0	10,798	10,798
BASEMENT	0	0	0
TOTAL	0	10,798	10,798

ALLOWABLE AREA

PRIMARY OCCUPANCY CLASSIFICATION(S)

ASSEMBLY	- A-1	X A-2	- A-3	- A-4	- A-5			
BUSINESS	X							
EDUCATIONAL	-							
FACTORY	- F-1 MODERATE	- F-2 LOW						
HAZARDOUS	- H-1 DETONATE	- H-2 DEFLAGRATE	- H-3 COMBUST	H-4 HEALTH	H-5 HPM			
INSTITUTIONAL	- I-1	CONDITION - 1	- 2					
	- I-2	CONDITION - 1	- 2					
	- I-3	CONDITION - 1	- 2					
	- I-4							
MERCANTILE	X							
RESIDENTIAL	- R-1	- R-2	- R-3	- R-4				
STORAGE	- S-1 MODERATE	- S-2 LOW	- HIGH-PILED					
	- PARKING GARAGE	- OPEN	- ENCLOSED	- REPAIR GARAGE				
UTILITY AND MISCELLANEOUS	-							

ACCESSORY OCCUPANCY CLASSIFICATION(S): --

INCIDENTAL USES (TABLE 509) --

SPECIAL USES (CHAPTER 4 - LIST CODE SECTIONS): --

SPECIAL PROVISIONS: (CHAPTER 5 - LIST CODE SECTIONS): --

MIXED OCCUPANCY - NO X YES SEPARATION 2 HR EXCEPTION --

- NON-SEPARATED USE (508.3)
  THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING.

X SEPARATED USE (508.4) - SEE BELOW FOR AREA CALCULATIONS.
FOR EACH STORY, THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF EACH USE DIVIDED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.

$$\frac{\text{ACTUAL AREA OF OCCUPANCY "A"}}{\text{ALLOWABLE AREA OF OCCUPANCY "A"}} + \frac{\text{ACTUAL AREA OF OCCUPANCY "B"}}{\text{ALLOWABLE AREA OF OCCUPANCY "B"}} = (<)1$$

$$\frac{3{,}375}{15{,}750} + \frac{7{,}422}{15{,}750} = 0.685524$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE	(D) ALLOWABLE AREA PER STORY OR UNLIMITED
1	B	3,375	9,000	6,750	15,750
1	B/M	7,422	9,000	6,750	15,750

1. FRONTAGE AREA INCREASE FROM SECTION 506.2 ARE COMPUTED THUS:
   A. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = 449 (F)
   B. TOTAL BUILDING PERIMETER = 449 FT (P)
   C. RATIO (F/P) = 1
   D. W = MINIMUM WIDTH OF PUBLIC WAY = 30 (W)
   E. PERCENT OF FRONTAGE INCREASE I_f = 100 [F/P - .25] X W/30 = 75 (%)
2. UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507
3. MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING X "D" (MAXIMUM 3 STORIES) (506.2)
4. THE MAXIMUM AREA OF PARKING GARAGES MUST COMPLY WITH 406.3.5. THE MAXIMUM AREA OF TRAFFIC CONTROL TOWERS MUST COMPLY WITH 412.1.2.
5. FRONTAGE INCREASE IS BASED ON THE UNSPRINKLERED AREA VALUE IN TABLE 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN IN PLAN	CODE REFERENCE
BUILDING HEIGHT IN FEET (TABLE 504.3)	40'-0"	24'-0"	--
BUILDING HEIGHT IN STORIES (TABLE 504.4)	1	1	--

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/____* REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES							
BEARING WALLS							
EXTERIOR				-	-		
NORTH	30+	0 HR		-	-		
EAST	30+	0 HR		-	-		
WEST	30+	0 HR		-	-		
SOUTH	30+	0 HR		-	-		
INTERIOR							
NONBEARING WALLS AND PARTITIONS							
EXTERIOR				-	-		
NORTH	30+	0 HR		-	-		
EAST	30+	0 HR		-	-		
WEST	30+	0 HR		-	-		
SOUTH	30+	0 HR		-	-		
INTERIOR							
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS							
FLOOR CEILING ASSEMBLY							
COLUMNS SUPPORTING FLOORS							
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS							
ROOF CEILING ASSEMBLY							
COLUMNS SUPPORTING ROOF							
SHAFT ENCLOSURE - EXIT	X			-	-		
SHAFT ENCLOSURE - OTHER	X			-	-		
CORRIDOR SEPARATION							
OCCUPANCY/FIRE BARRIER SEPARATION	X			-	-		
PARTY/FIRE WALL SEPARATION	2 HR			A/A0.21	UL BXUV.U347		
SMOKE BARRIER SEPARATION	X			-	-		
SMOKE PARTITION	X			-	-		
TENANT/DWELLING UNIT/SLEEPING UNIT SEPARATION	X			-	-		
INCIDENTAL USE SEPARATION	X			-	-		

* INDICATES SECTION NUMBER PERMITTING REDUCTION

PERCENTAGE OF WALL OPENING CALCULATION

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
30+	(UP, NS)	NO LIMIT	28% (N), 10% (E), 21% (S), 39% (W)

LIFE SAFETY SYSTEM REQUIREMENTS

EMERGENCY LIGHTING	NO	X YES
EXIT SIGNS	NO	X YES
FIRE ALARM	X NO	YES
SMOKE DETECTION SYSTEMS	X NO	YES PARTIAL
CARBON DIOXIDE DETECTOR	X NO	YES

LIFE SAFETY PLAN REQUIREMENTS

LIFE SAFETY PLAN SHEET #: A0.10

- X FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
- ASSUMED AND REAL PROPERTY LINE LOCATIONS (IF NOT ON THE SITE PLAN)
- EXTERIOR WALL OPENING AREA WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (705.8)
- X OCCUPANCY USE FOR EACH AREA AS IT RELATES TO OCCUPANT LOAD CALCULATION (TABLE 1004.1.2)
- X OCCUPANT LOADS FOR EACH AREA
- X EXIT ACCESS TRAVEL DISTANCES (1017)
- COMMON PATH OF TRAVEL DISTANCES (TABLES 1006.2.1 & 1006.3.2(1))
- DEAD END LENGTHS (1020.4)
- X CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
- X MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.3)
- X ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR
- A SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE RATED FLOOR/CEILING AND/OR ROOF STRUCTURE OF PROVIDED FOR PURPOSES OF OCCUPANCY SEPARATION
- LOCATION OF DOORS WITH PANIC HARDWARE (1010.1.10)
- LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND THE AMOUNT OF DELAY (1010.1.9.7)
- LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1010.1.9.9)
- LOCATION OF DOORS EQUIPPED WITH HOLD-OPEN DEVICES
- LOCATION OF EMERGENCY ESCAPE WINDOWS (1030)
- X THE SQUARE FOOTAGE OF EACH FIRE AREA (202)
- THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT FOR OCCUPANCY CLASSIFICATION I-2 (407.5)
- NOTE ANY CODE EXCEPTIONS OF TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ITEMS ABOVE

ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
			N/A				

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	
ANGIER MEDICAL COMPLEX	50	51	0	0	4	4

*FOR REFERENCE ONLY. SEE CIVIL DRAWINGS FOR PARKING SUMMARY/REQUIREMENTS

PLUMBING FIXTURE REQUIREMENTS

USE		WATERCLOSETS MALE	WATERCLOSETS FEMALE	WATERCLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
Occupancy	EXISTING				N/A						
	NEW										
	REQ'D										

* NOTE: FIXTURE CALCULATIONS FOR OTHER TENANT SPACES WILL BE PROVIDED AT TIME OF TENANT FIT-UP

SPECIAL APPROVALS

SPECIAL APPROVAL: (LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPI, DHHS, ICC, ETC. DESCRIBE BELOW)

ENERGY SUMMARY

ENERGY REQUIREMENTS:
THE FOLLOWING DATA SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE ENERGY CODE SHALL ALSO BE PROVIDED. EACH DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET. IF PERFORMANCE METHOD, STATE THE ANNUAL ENERGY COST FOR THE STANDARD REFERENCE DESIGN VS. ANNUAL ENERGY COST FOR THE PROPOSED DESIGN.

EXISTING BUILDING ENVELOPE COMPLIES WITH CODE: - NO - YES (THE REMAINDER OF THIS SECTION IS NOT APPLICABLE)

EXEMPT BUILDING: - NO - YES (PROVIDE CODE OR STATUTORY REFERENCE):

CLIMATE ZONE: - 3A X 4A - 5A

METHOD OF COMPLIANCE: ENERGY CODE: - PERFORMANCE - PRESCRIPTIVE

ASHRE 90.1 X PERFORMANCE - PRESCRIPTIVE

(IF "OTHER" SPECIFY SOURCE HERE) -

THERMAL ENVELOPE (PRESCRIPTIVE METHOD ONLY)

ROOF/CEILING ASSEMBLY (EACH ASSEMBLY)

DESCRIPTION OF ASSEMBLY: -
U-VALUE OF TOTAL ASSEMBLY: -
R-VALUE OF INSULATION: -
SKYLIGHTS IN EACH ASSEMBLY: -
U-VALUE OF SKYLIGHT: -
TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY: -

EXTERIOR WALLS (EACH ASSEMBLY)

DESCRIPTION OF ASSEMBLY: -
U-VALUE OF TOTAL ASSEMBLY: -
R-VALUE OF INSULATION: -

OPENINGS (WINDOWS OR DOORS WITH GLAZING)

U-VALUE OF ASSEMBLY: -
SOLAR HEAT GAIN COEFFICIENT: -
PROJECTION FACTOR: -
DOOR R-VALUE: -

WALLS BELOW GRADE (EACH ASSEMBLY)

DESCRIPTION OF ASSEMBLY: -
U-VALUE OF TOTAL ASSEMBLY: -
R-VALUE OF INSULATION: -

FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY)

DESCRIPTION OF ASSEMBLY: -
U-VALUE OF TOTAL ASSEMBLY: -
R-VALUE OF INSULATION: -

FLOORS SLAB ON GRADE (EACH ASSEMBLY)

DESCRIPTION OF ASSEMBLY: -
U-VALUE OF TOTAL ASSEMBLY: -
R-VALUE OF INSULATION: -
HORIZONTAL/VERTICAL REQUIREMENT: -
SLAB HEATED: -

NOTE SEE ATTACHED DRAWINGS FOR CODE INFORMATION IN THE FOLLOWING AREAS

- X STRUCTURAL DESIGN
- - ENERGY SUMMARY
- X THERMAL ENVELOPE - REFER TO ENVELOPE COMPLIANCE CERTIFICATE - SEE SHEET A0.40
- X MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
- X ELECTRICAL SUMMARY
- X ELECTRICAL SYSTEMS AND EQUIPMENT

SPECIAL INSPECTIONS - REFERENCE STRUCTURAL FOR ADDITIONAL REQUIREMENTS

- X EFIS
- - -
- - -
- - -
- - -

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

KERRY G. FINLEY NORTH CAROLINA REGISTERED ARCHITECT 9629 7/3/24 DURHAM, N.C.

FINLEY DESIGN, P.A. LICENSED ARCHITECTURAL CORPORATION NORTH CAROLINA 51513 DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS
1 OWNER/PERMIT MM-DD-YY

PROJECT: 2344
DATE: 7/3/24
DRAWN BY: KEL
CHECKED BY: KEL

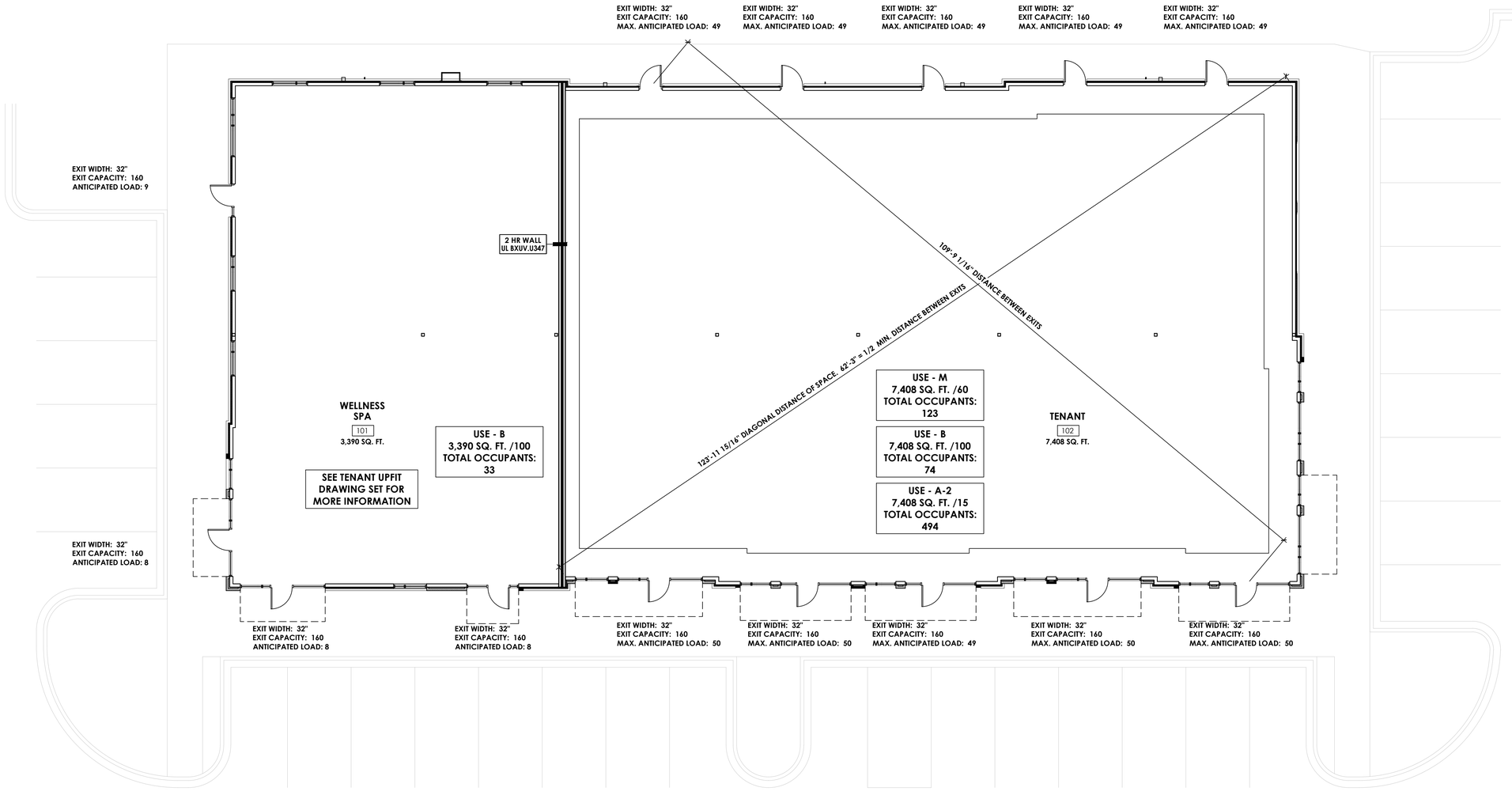
CODE SUMMARY

A0.02

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 CODE SUMMARY.DWG

LIFE SAFETY PLAN NOTES

1. FUTURE ADDITIONAL TENANT DEMISING WALLS TO BE NON-RATED UNLESS AN ASSEMBLY TENANT SPACE GREATER THAN 6,000 SF IS LEASED. IN SUCH CASE, A NEW 2-HOUR DEMISING WALL SHALL BE INSTALLED THAT LIMITS THE A-2 ASSEMBLY SF TO NO MORE THAN 6,000 SF.



BUILDING 1
—
10,799 SQ. FT.

1 LIFE SAFETY PLAN
Scale: 1/8" = 1'-0"

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

KERR GRAY FINLEY REGISTERED ARCHITECT 9629 7/3/24 DURHAM, N.C.

FINLEY DESIGN, P.A. LICENSED ARCHITECTURAL CORPORATION 51513 NORTH CAROLINA DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

LIFE SAFETY PLAN

A0.10

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 PLANS.DWG

UL Product iQ®

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

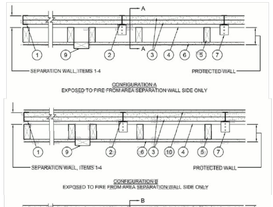
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

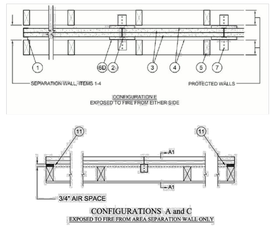
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

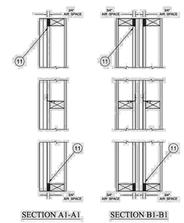
Design No. U347

January 29, 2024

Nonbearing Wall Rating — 2 Hr (See Items 5, 5A and 5B) (Separation Wall, See Items 1,2 and 3)
Bearing Wall Rating 2 Hr. (Protected Wall, See Items 5 and 5A)
Nonbearing Wall Rating 2-Hr (Protected Wall, See Item 5, 5A and 5B)
Finish Rating — 120 Min (See Item 5)
STC Ratings — 61, 69, 70 (See Items 5, 5A and 5B)
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**







SEPARATION WALL: (Non-bearing, Max Height - 66 ft - see Item 6)

1. **Steel Track —** Floor, sidewall or top wall track. Nom 2 in. wide channel shaped with nom 1 in. long legs, formed from No. 25 MSG galv steel, secured with suitable fasteners spaced 24 in. OC.

2. **Steel Studs —** "H" shaped studs formed from No. 25 MSG galv steel having an overall depth of approximately 2 in. and flange width 1-3/8 in.

3. **Gypsum Board* —** Two layers of 1 in. thick gypsum wallboard liner panels, supplied in nom 24 in. widths. Vertical edges of panels friction fit into "H" shaped studs.
NATIONAL GYPSUM CO — Types FSW, FSW-B, FSW-7, FSW-9

PROTECTED WALL: (Bearing or Nonbearing Wall, as indicated in Items 5, 5A, and 5B. When Bearing, Load Restricted for Canadian Applications — See Guide BXUV7.)

4. **Air Space —** Minimum 3/4-in. air space.

5. **Wood Studs —** For Bearing or Nonbearing Wall Rating — Nom 2 by 4 in. max spacing 24 in. OC. Studs cross braced at mid-height where necessary for clip attachment. Min 3/4 in. separation between wood framing and fire separation wall. Finish rating evaluated for wood studs only.

5A. **Steel Studs —** (As an alternate to Item 5, not shown) — For Bearing Wall Rating — Corrosion protected steel studs, min No. 20 MSG (0.0329 in., min bare metal thickness) steel or min 3- 1/2 in. wide, min No. 20 GSG (0.036 in. thick) galv steel or No. 20 MSG (0.033 in. thick) primed steel, cold formed, shall be designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute. All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing of wall assemblies shall not exceed 24 in. OC. Studs attached to floor and ceiling tracks with 1/2 in. long Type S-12 steel screws on both sides of studs or by welded or bolted connections designed in accordance with the AISI specifications. Top and bottom tracks shall consist of steel members, min No. 20 MSG (0.0329 in., min bare metal thickness) steel or min No. 20 GSG (0.036 in. thick) galv steel or No. 20 MSG (0.033 in. thick) primed steel, that provide a sound structural connection between steel studs, and to adjacent assemblies such as a floor, ceiling, and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. O.C. Studs cross-braced with stud framing at midheight where necessary for clip attachment. Min 3/4 in. separation between steel framing and area separation wall. Finish rating has not been evaluated for Steel Studs.

5B. **Steel Studs —** (As an alternate to Items 5 and 5A, for use in Configuration B only, not shown) — For Nonbearing Wall Rating — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min 3-1/2 in. wide, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. Top and bottom tracks shall be channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max. Studs cross-braced with stud framing at midheight where necessary for clip attachment. Min 3/4 in. separation between steel framing and area separation wall. Finish rating has not been evaluated for Steel Studs.

6. **Gypsum Board — Classified or Unclassified —** Min 1/2 in. thick, 4 ft wide, applied horizontally or vertically. Wallboard attached to wood studs (Item 5) with 1-1/4 in. long steel drywall screws spaced 12 in. OC. Wallboard attached to steel studs (Item 5A or 5B) with 1 in. long Type S steel screws spaced 12 in. OC. Vertical joints located over studs. Horizontal joints shall be butted tight to form a closed joint. As an option, joints covered with paper tape and joint compound. As an option, screw heads covered with joint compound.

6A. **Plywood Sheathing or OSB —** (not shown) — As an alternate to Item 6, Min 1/2 in. thick plywood or OSB applied horizontally or vertically to wood or steel studs. Vertical joints located over studs. Horizontal joints shall be butted tight to form a closed joint. Fastened to studs with nails or screws of sufficient length, spaced 12 in. OC. Joints and fastener heads are not required to be treated. Aluminum clips shall be spaced as described in Item 7.

6B. **Batts and Blankets* —** (Not shown) — As an alternate to Items 6 and 6A, Glass fiber or mineral wool insulation, min, 3-1/2 in. thick, placed to completely fill the wood or steel stud cavities. When Batts and Blankets are used in place of Items 6 and 6A, the max height is 54 ft and the aluminum clips (Item 7) shall be spaced a max of 5 ft OC vertically. Min 3/4 in. separation between insulation and area separation wall. See Batts and Blankets (BKNX) category in the Building Materials Directory and Batts and Blankets (BZJZ) category in the Fire Resistance Directory for name of Classified Companies.

6C. **Wall and Partition Facings and Accessories* —** (not shown) — As an alternate to Items 6, 6A and 6B, 4 ft wide panels, applied vertically. Panels attached to wood studs (Item 4) with 1-5/8 in. long steel drywall screws spaced 16 in. OC. Vertical joints located over studs. Joints covered with paper tape and joint compound. As an option, screw heads covered with joint compound.
NATIONAL GYPSUM CO — Type SoundBreak Gypsum Board.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types QuietRock QR-500, QuietRock QR-510, QuietRock QR-525

6D. **Gypsum Board* —** As an alternate to Item 6 - Min 5/8 in. thick, min. 6 in. wide batten strips, applied on both sides of Steel Studs (Item 2) and horizontal back to back Steel Track (Item 1). Min. 5/8 in. thick, min. 3 in. wide batten strips applied on both sides of single Steel Track (Item 1) at perimeter of assembly. Batten strips secured to studs with 1-1/4 in. long Type S steel screws spaced 12 in. OC. Batten joints shall be butted tight to form a closed joint. As an option, entire sheet of gypsum board may be used in lieu of the battens. Clip placement as in Item 7, 7A, 7B, or 7C.
NATIONAL GYPSUM CO — Type FSW-3, FSW, FSW-6.

6E. **Fiber, Sprayed* —** Optional - Not Shown. - Spray applied cellulose material. The fiber is applied with water to completely or partially fill the enclosed stud cavity and air space in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft^3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft^3, in accordance with the application instructions supplied with the product.
Applegate Greenfiber Acquisition LLC — Insulmax, SANCTUARY, and FIRM for use with wet or dry application.

6F. **Building Wrap** – Optional – Not Shown – For use with Items 6-6E - Building wrap fastened to gypsum board, wall sheathing, or studs per manufacturers installation instructions.

7. **Aluminum Clips —** Aluminum angle, 0.049 in. thick, 2 in. wide with 2 in. and 2-1/2 in. legs. Clips secured with Type S screws 3/8 in. long to "H" studs and with 1-1/4 in. long screws to wood framing or steel framing through holes provided in clip.

7A. Clip placement for separation walls up to 23 ft high: Space clips a max of 10 ft OC vertically between wood or steel framing and "H" studs.

7B. Clip placement for separation walls up to 54 ft high: Space clips as described in Item 6A for upper 24 ft. Remaining wall area below requires clips spaced a max of 5 ft OC vertically between wood or steel framing and "H" studs.

7C. Clip placement for separation walls up to 66 ft high: Space clips as described in Item 6A for upper 24 ft, space clips as described in Item 6B for middle 30 ft. Remaining wall area below requires clips spaced a max of 39 in. OC vertically between wood or steel framing and "H" studs.

8. **STC Rating —** The STC Rating of the wall assembly is 61 when it is constructed as described by Items 1 through 6, except:
A. Item 5, above — Wood Studs — Shall be spaced 16 in. OC.

B. Item 6, above — Gypsum Board — Min. weight 1.5 psf. Shall be applied vertically and attached to studs with 1-1/4 in. long steel drywall screws spaced 16 in. OC. Joints and screwheads shall be covered with paper tape and joint compound.

C. Item 7, above — Aluminum Clips — Spaced a max of 10 ft OC vertically.

D. Batts and Blankets* - The cavities formed by the wood studs shall be friction fit with 3-1/2 in. thick fiberglass insulation batts, min. 0.80 pcf. See Batts and Blankets (BKNX) category in the Building Materials Directory and Batts and Blankets (BZJZ) category in the Fire Resistance Directory for name of Classified Companies.

E. Max Height of Separation Wall is 23 ft.

F. The STC rating applies to Configuration B only.

G. Steel Studs (Items 5A, 5B), Plywood Sheathing or OSB (Item 6A and Item 10) and Batts and Blankets (Items 6B) not evaluated as alternatives for obtaining STC rating.

8B. **STC Rating —** The STC Rating of the wall assembly is 70 when it is constructed as described by Items 1 through 7, except:
A. Item 5, above - Wood Studs – Shall be spaced 16 in. OC.

B. Item 6C, above - Wall and Partition Facings and Accessories* - Type QuietRock QR-525 panels shall be installed as described in Item 5C.

C. Item 7, above — Aluminum Clips - Spaced a max of 10 ft OC vertically.

D. Batts and Blankets* — The cavities formed by the wood studs shall be friction fit with 3-1/2 in. thick fiberglass insulation batts, min. 1.0 pcf. See Batts and Blankets (BKNX) category in the Building Materials Directory and Batts and Blankets (BZJZ) category in the Fire Resistance Directory for name of Classified Companies.

E. Max Height of Separation Wall is 23 ft.

F. The STC rating applies to Configuration B only.

G. Steel Studs (Items 5A, 5B), Plywood Sheathing or OSB (Item 6A and Item 10) and Batts and Blankets (Items 6B) not evaluated as alternatives for obtaining STC rating.

9. **Non-Bearing Wall Partition Intersection —** (Optional) Wall system consisting of nominal 2 by 4 in. stud or nominal 2 by 6 in. stud. Maximum one non-bearing wall partition intersection per stud cavity.

10. **Plywood Sheathing or OSB —** (Optional) — Min 1/2 in. thick plywood or OSB applied horizontally or vertically to "H" studs on area separation wall side of Configuration B - Vertical joints located over studs. Fastened to "H" studs with screws of sufficient length, spaced a maximum of 12 in. OC.

11. **Caulking and Sealants* —** (Optional - Intended for use as an air barrier - Not evaluated as firestopping) - A bead of sealant applied around the partition perimeter in the 3/4 in. air space between wood framing (Item 5) and shaftliner panels (Item 3) to create an air barrier.
DUPONT DE NEMOURS, INC. — Great Stuff Gaps & Cracks, Great Stuff Pro Gaps & Cracks, Great Stuff Pro Window & Door

ICP CONSTRUCTION INC — Fireblock, Window & Door, Insulating Foam Sealant, Multi-Purpose, HC Sealants, Black Foam Sealant, Extreme, Window & Door Extreme, Fast Foam, Gun Foam, and Straw Foam

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2024-01-29

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

TERRY GRAY FINLEY — REGISTERED ARCHITECT — 9629 — 7/3/24 — DURHAM, N.C.

FINLEY DESIGN, P.A. — LICENSED PROFESSIONAL ENGINEER — 51513 — NORTH CAROLINA — DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

RATED ASSEMBLIES

A0.21

1 UL BXUV.U347
Scale: NTS

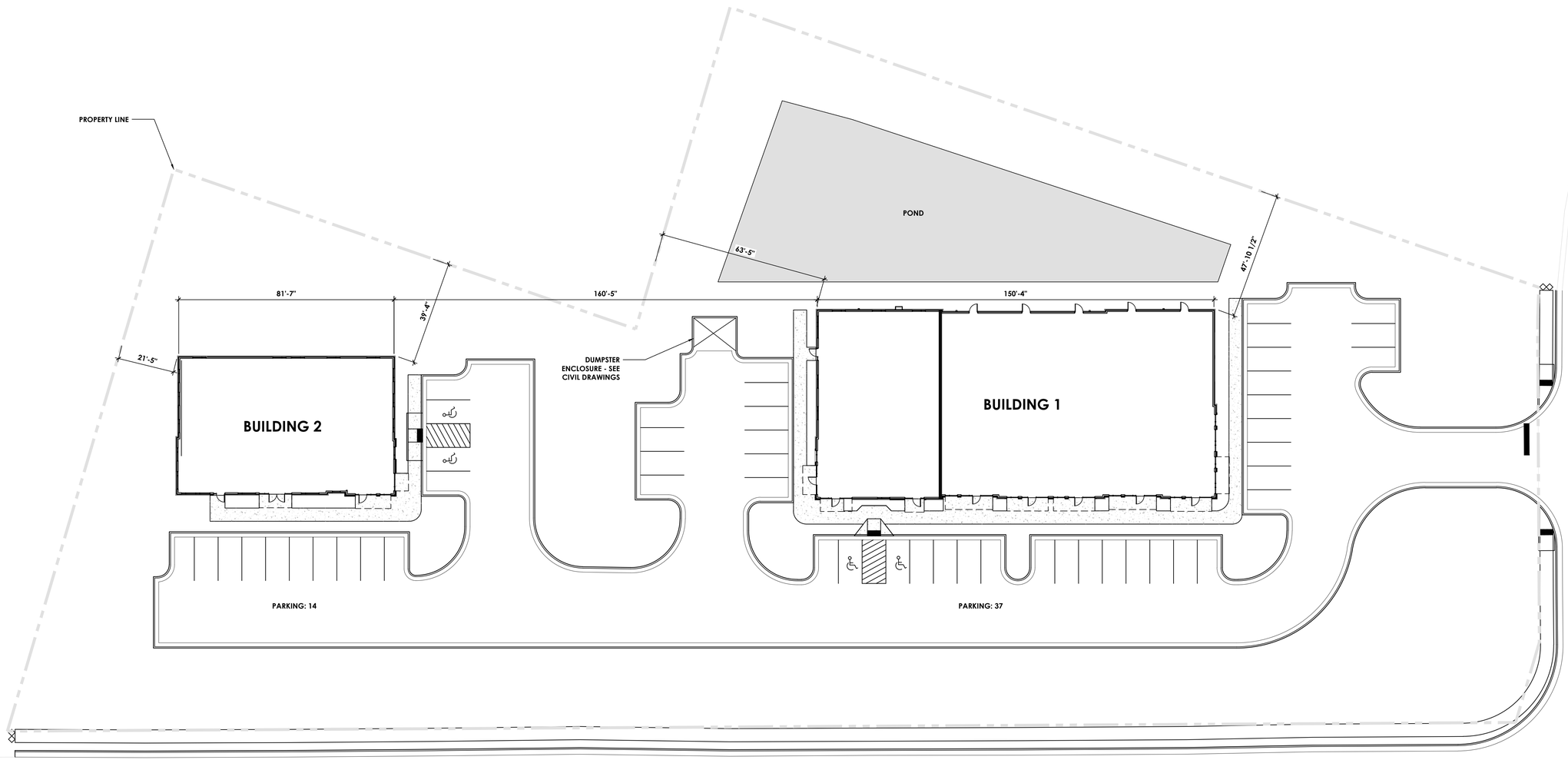
/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 CODE SUMMARY.DWG

PARKING SPACES

BUILDING #	REQUIRED PARKING	BUILDING SF	SPACES NEEDED	SPACES PROVIDED
BUILDING 1	1 SPACE/ 300 SF	10,798	36	37
BUILDING 2	1 SPACE/ 300 SF	4,324	14	14
TOTAL PARKING REQUIRED			50	
TOTAL PARKING PROVIDED			51	

SITE PLAN NOTES

1. ARCHITECTURAL SITE PLAN IS INTENDED TO REINFORCE/SUPPLEMENT CODE SUMMARY INFORMATION.
2. SEE CIVIL ENGINEERING DRAWINGS FOR ALL CIVIL ENGINEERING INFORMATION.
3. COORDINATE ALL FINISH FLOOR ELEVATIONS WITH CIVIL ENGINEERING DRAWINGS.
4. SEE CIVIL, LANDSCAPE, ELECTRICAL, AND MECHANICAL DRAWINGS FOR LOCATIONS OF METER CENTERS OR CONDENSING UNITS.



1 SITE PLAN
Scale: 1:250

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

SITE PLAN

A0.30

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 SITE PLAN.DWG

COMcheck Software Version COMcheckWeb
Envelope Compliance Certificate

Project Information

Energy Code:	90.1 (2013) Standard
Project Title:	2344 Angier Medical B1
Location:	Angier, North Carolina
Climate Zone:	4a
Project Type:	New Construction
Vertical Glazing / Wall Area:	23%
Performance Sim. Specs:	EnergyPlus 8.1.0.009 (EPW: USA_NC_Raleigh-Durham.Intl.AP.723060_TMY3.epw)

Construction Site: Owner/Agent: Designer/Contractor:

Building Area	Floor Area
1-Tenant shell (Retail) : Nonresidential	10798

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Tenant shell]	10798	---	30.0	0.032	0.032
Floor: Unheated Slab-On-Grade, Vertical 2 ft., [Bldg. Use 1 - Tenant shell] (d)	449	---	0.0	0.730	0.520
NORTH					
Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Tenant shell]	646	20.0	0.0	0.064	0.064
Window: Other Window: Fixed, Perf. Specs.: Product ID NA, SHGC 0.39, PF 0.33, VT 0.70, [Bldg. Use 1 - Tenant shell] (c)	335	---	---	0.290	0.350
Ext. Wall EIFS: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Tenant shell]	560	20.0	10.0	0.037	0.064
EAST					
Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Tenant shell]	1373	20.0	0.0	0.064	0.064
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Tenant shell]	120	---	---	0.370	0.500
Window: Other Window: Fixed, Perf. Specs.: Product ID Solarban 67 Clear+Clear, SHGC 0.29, VT 0.54, [Bldg. Use 1 - Tenant shell] (c)	111	---	---	0.290	0.350
Ext. Wall EIFS: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Tenant shell]	1038	20.0	10.0	0.037	0.064
SOUTH					
Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Tenant shell]	784	20.0	0.0	0.064	0.064
Window: Other Window: Fixed, Perf. Specs.: Product ID NA, SHGC 0.39, PF 0.33, VT 0.70, [Bldg. Use 1 - Tenant shell] (c)	252	---	---	0.290	0.350
Ext. Wall EIFS: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Tenant shell]	452	20.0	10.0	0.037	0.064
WEST					
Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Tenant shell]	1739	20.0	0.0	0.064	0.064
Window: Other Window: Fixed, Perf. Specs.: Product ID Solarban 67 Clear+Clear, SHGC 0.29, PF 0.33, VT 0.54, [Bldg. Use 1 - Tenant shell] (c)	1036	---	---	0.290	0.350

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Ext. Wall EIFS: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Tenant shell]	927	20.0	10.0	0.037	0.064

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) 'Other' components require supporting documentation for proposed U-factors.
(c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(d) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 1% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2013) Standard requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information

Energy Code:	90.1 (2013) Standard
Project Title:	2344 Angier Medical B1
Project Type:	New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Interior Lighting Power

Proposed Interior Lighting Power

Interior Lighting TBD: No lighting fixtures specified

COMcheck Software Version COMcheckWeb
Exterior Lighting Compliance Certificate

Project Information

Energy Code:	90.1 (2013) Standard
Project Title:	2344 Angier Medical B1
Project Type:	New Construction
Exterior Lighting Zone	0 (Unspecified)

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
			Total Tradable Watts (a) =	0
			Total Allowed Watts =	0
			Total Allowed Supplemental Watts (b) =	500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Exterior Lighting TBD: Exterior lighting zone not specified (see project screen)

COMcheck Software Version COMcheckWeb
Mechanical Compliance Certificate

Project Information

Energy Code:	90.1 (2013) Standard
Project Title:	2344 Angier Medical B1
Location:	Angier, North Carolina
Climate Zone:	4a
Project Type:	New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Mechanical Systems List

Quantity System Type & Description

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 90.1 (2013) Standard requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COMcheck Software Version COMcheckWeb
Inspection Checklist

Energy Code: 90.1 (2013) Standard

Requirements: 0.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 5.4.3.1.1, 5.7 [PR1][1]	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6][2]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.5.4.2.3 [PR7][2]	In buildings > 2,500 ft2, any enclosed spaces directly under a roof with ceiling heights > 15 ft. and used as an office, lobby, atrium, concourse, corridor, storage (including nonrefrigerated warehouse), gymnasium, fitness/exercise area, playing area, gymnasium seating area, convention exhibit/event space, courtroom, automotive service, fire station engine room, manufacturing corridor/transition and bay areas, retail, library reading and stack areas, distribution/sorting area, transportation baggage and seating areas, or workshop, the following requirements apply: The daylight zone under skylights is >= half the floor area and (a) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40 or (b) the minimum skylight effective aperture >= 1 percent. The skylights have a measured haze value > 90 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [FO1][2]	Installed below-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-_____	R-_____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
4.2.4 [FO3][2]	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-_____ ☐ Unheated ☐ Heated	R-_____ ☐ Unheated ☐ Heated	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.2 [FO4][2]	Slab edge insulation installed per manufacturer's instructions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.5.3.5 [FO5][2]	Slab edge insulation depth/length.	_____ ft	_____ ft	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.7 [FO6][1]	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.8.1.7.3 [FO7][1]	Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
6.4.4.1.5 [FO11][3]	Bottom surface of floor structures incorporating radiant heating insulated to >=R-3.5.	R-_____	R-_____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.4.3.2 [FR1][3]	Factory-built and site-assembled fenestration and doors are labeled or certified as meeting air leakage requirements.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.4.3.4 [FR4][3]	Vestibules are installed where building entrances separate conditioned space from the exterior, and meet exterior envelope requirements. Doors have self-closing devices, and are >=7 ft apart (>= 16 ft apart for adjoinging floor area >= 40000 sq.ft.). Vestibule floor area <=7 50 sq.ft. or 2 percent of the adjoining conditioned floor area.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.5.4.3a [FR8][1]	Vertical fenestration U-Factor.	U-_____	U-_____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.5.4.3b [FR9][1]	Skylight fenestration U-Factor.	U-_____	U-_____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.5.4.4.1 [FR10][1]	Vertical fenestration SHGC value.	SHGC:_____	SHGC:_____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.5.4.4.2 [FR11][1]	Skylight SHGC value.	SHGC:_____	SHGC:_____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.2.1, 5.8.2.3, 5.8.2.4, 5.8.2.5 [FR12][2]	Fenestration products rated (U-factor, SHGC, and VT) in accordance with NFRC or energy code defaults are used.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.8.2.2 [FR13][1]	Fenestration and door products are labeled, or a signed and dated certificate listing the U-factor, SHGC, VT, and air leakage rate has been provided by the manufacturer.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.5.3.6 [FR14][2]	U-factor of opaque doors associated with the building thermal envelope meets requirements.	U-_____ ☐ Swinging ☐ Nonswinging	U-_____ ☐ Swinging ☐ Nonswinging	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.4.3.1 [FR15][1]	Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1-6.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10][2]	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [IN2][1]	Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	R-_____ ☐ Above deck ☐ Metal ☐ Attic	R-_____ ☐ Above deck ☐ Metal ☐ Attic	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.2, 5.8.1.3 [IN3][1]	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the ceiling slope is <= 3:12.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
4.2.4 [IN6][1]	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-_____ ☐ Mass ☐ Metal ☐ Steel ☐ Wood	R-_____ ☐ Mass ☐ Metal ☐ Steel ☐ Wood	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.2 [IN7][1]	Above-grade wall insulation installed per manufacturer's instructions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
4.2.4 [IN8][2]	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-_____ ☐ Mass ☐ Steel ☐ Wood	R-_____ ☐ Mass ☐ Steel ☐ Wood	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.1 [IN10][2]	Building envelope insulation is labeled with R-value or insulation certificate has been provided listing R-value and other relevant data.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.8.1.9 [IN18][2]	Building envelope insulation extends over the full area of the component at the proposed rated R or U value.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.8.1.4 [IN11][2]	Eaves are baffled to deflect air to above the insulation.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.8.1.5 [IN12][2]	Insulation is installed in substantial contact with the inside surface separating conditioned space from unconditional space.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.8.1.6 [IN13][2]	Recessed equipment installed in building envelope assemblies does not compress the adjacent insulation.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.8.1.7.1 [IN15][2]	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.7.2 [IN16][2]	Foundation vents do not interfere with insulation.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
5.8.1.8 [IN17][3]	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
5.4.3.3 [FI1][1]	Weatherseals installed on all loading dock cargo doors in Climate Zones 4-8.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

1 COMCHECK
Scale: NTS

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

9629
DURHAM, N.C.

FINLEY DESIGN, P.A.
51513
DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

THERMAL ENVELOPE COMPLIANCE

A0.40

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 CODE SUMMARY.DWG

BUILDING BLOCKS

302 FLOOR OR GROUND SURFACES
302.1 General. Floor and ground surfaces shall be stable, firm, and slip resistant and shall comply with section 302. Changes in level shall comply with Section 303.

302.3 Openings. Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch diameter except as allowed in Sections 407.4.3, 408.4.3, 410.4,and 805.10.

303.2 Vertical. Changes in level of 1/4 inch high maximum shall be permitted to be vertical.

303.3 Beveled. Changes in level between 1/4 inch high minimum and not more than 1/2 inch high maximum shall be beveled with a slope not steeper that 1:2.

306 KNEE AND TOE CLEARANCE
306.2 Toe clearance
306.2.2 Maximum depth. Toe clearance shall extend 25 inches maximum under an element.

306.2.3 Minimum required depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches minimum under the element.

306.2.5 Width. Toe clearance shall be 30 inches wide minimum.

306.3 Knee Clearance
306.3.2 Maximum Depth. Knee clearance shall extend 25 inches maximum under an element at 9 inches above the floor.

306.3.3 Minimum required depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches deep minimum at 9 inches above the floor, and 8 inches minimum in depth at 27 inches above the floor.

306.3.5 Width. Knee clearance shall be 30 inches minimum in width.

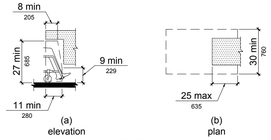


FIGURE 306.3
KNEE CLEARANCE

307 PROTRUDING OBJECTS
307.2 Protrusion limits. Objects with leading edges more than 27 inches and not more than 80 inches above the finished floor shall protrude 4 inches maximum horizontally into the circulation path.

307.3 Post-mounted objects. Objects on posts or pylons shall be permitted to overhang 4 inches maximum when located 27 inches minimum and not more than 80 inches above the floor. Objects on multiple posts or pylons where the clear distance between the posts or pylons is greater than 12 inches shall have the lowest edge of such object either 27 inches maximum or 80 inches minimum above the floor.

307.4 Vertical clearance. Vertical clearance shall be 80 inches high minimum. Rails or other barriers shall be provided where the vertical clearance in less than 80 inches. The leading edge of such rails or barriers shall be located 27 inches maximum above the floor.

307.5 Required clear width. Protruding objects shall not reduce the clear width required for accessible routes.

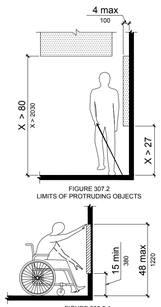


FIGURE 307.2
LIMITS OF PROTRUDING OBJECTS

308.2 Forward reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches maximum and the low forward reach shall be 15 inches minimum above the floor.

308.2.2 Obstructed high reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches maximum above the floor where the reach depth is 20 inches maximum. Where the reach depth exceeds 20 inches, the high forward reach shall be 44 inches maximum above the floor, and the reach depth shall be 25 inches maximum.

FIGURE 308.2.1
UNOBSTRUCTED FORWARD REACH

308.3 Side reach
308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the edge of the clear floor space is 10 inches maximum from the element, the high side reach shall be 48 inches maximum and the low side reach shall be 15 inches minimum above the floor or ground.

FIGURE 308.3.1
UNOBSTRUCTED SIDE REACH

308.3.2 Obstructed high reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches maximum above the floor and the depth of the obstruction shall be 24 inches maximum. The high side reach shall be 48 inches maximum for a reach depth of 10 inches maximum. Where the reach depth exceeds 10 inches, the high side reach shall be 46 inches maximum above the floor for a reach depth of 24 inches maximum.

FIGURE 308.2.2
OBSTRUCTED HIGH FORWARD REACH

FIGURE 308.3.2
OBSTRUCTED HIGH SIDE REACH

ACCESSIBLE ROUTES

403 WALKING SURFACES.
403.3 Slope. the running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48

403.5.1 Clear width. The clear width of walking surfaces shall be 36 inches wide minimum.
Exceptions:
1.The clear width shall be permitted to be reduced to 32 inches minimum for a length of 24 inches maximum provided that reduced width segments are separated by segments that are 48 inches long minimum and 36 inches wide minimum.
2. The clear width for walking surfaces in corridors serving an occupant load of 10 or more shall be 44 inches.
3. The clear width for sidewalks and walks shall be 48 inches minimum. When, because of right-of-way restrictions, natural barriers or other existing conditions, the enforcing agency determines that compliance with the 48-inch clear sidewalk width would create an unreasonable hardship, the clear width may be reduced to 36 inches.
4. The clear width for aisles shall be 36 inches minimum if serving elements on only one side, and 44 inches minimum if serving elements on both sides.

FIGURE 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

ACCESSIBLE ROUTES - CONT.

404 DOORS AND DOORWAYS
404.2.1 Double-leaf doors and gates. At least one of the active leaves of doorways with two leaves shall comply with sections 404.2.2 and 404.2.3

404.2.2 Clear width. Door openings shall provide a clear width of 32 inches minimum. Clear opening width of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches in depth at doors and doorways without doors shall provide a clear opening width of 36 inches minimum. There shall be no projections into the required clear opening width lower than 34 inches above the floor. Projections into the clear opening width between 34 inches and 80 inches above the floor shall not exceed 4 inches.
Exceptions:
1. Door closers and door stops shall be permitted to be 78 inches minimum above the floor.
2. In alterations, a projection of 5/8 inch maximum into the required clear opening shall be permitted for the latch side stop.

404.2.3.2 Swinging doors and gates. Swinging doors and gates shall have maneuvering clearances complying with Table 404.2.3.2

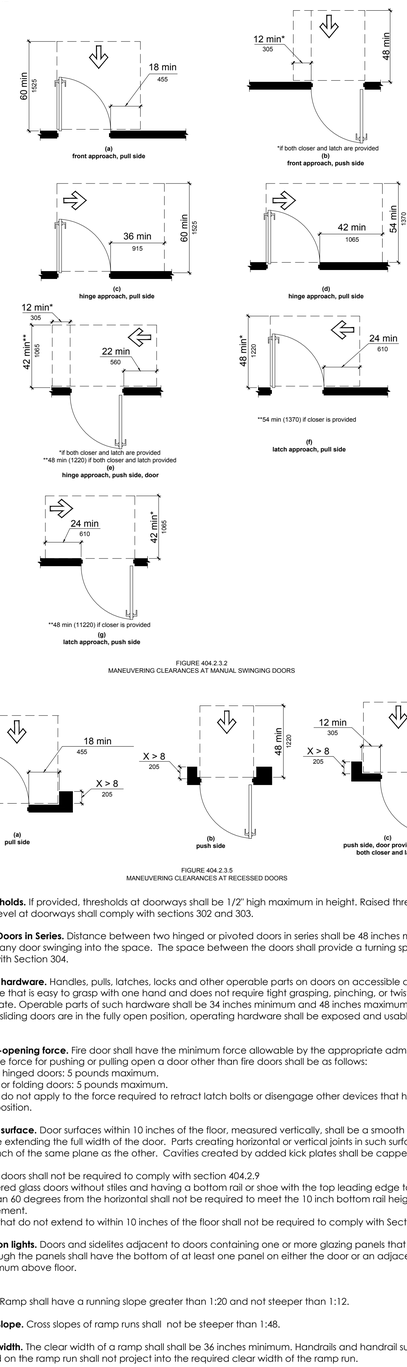


FIGURE 404.2.3.2
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS

FIGURE 404.2.3.5
MANEUVERING CLEARANCES AT RECESSED DOORS

404.2.4 Thresholds. If provided, thresholds at doorways shall be 1/2" high maximum in height. Raised thresholds and changes in level at doorways shall comply with sections 302 and 303.

404.2.5 Two Doors in Series. Distance between two hinged or pivoted doors in series shall be 48 inches minimum plus the width of any door swinging into the space. The space between the doors shall provide a turning space complying with Section 304.

404.2.6 Door hardware. Handles, pulls, latches, locks and other operable parts on doors 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. Operable parts of such hardware shall be 34 inches minimum and 48 inches maximum above the floor. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

404.2.8 Door-opening force. Fire door shall have the minimum force allowable by the appropriate administrative authority. The force for pushing or pulling open a door other than fire doors shall be as follows:
1. Interior hinged doors: 5 pounds maximum.
2. Sliding or folding doors: 5 pounds maximum.

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door in a closed position.

404.2.9 Door surface. Door surfaces within 10 inches of the floor, measured vertically, shall be a smooth surface on the push side extending the full width of the door. Parts creating horizontal or vertical joints in such surface shall be within 1/16 inch of the same plane as the other. Cavities created by added kick plates shall be capped.
Exceptions:
1. Sliding doors shall not be required to comply with section 404.2.9
2. Tempered glass doors without stiles and having a bottom rail or shoe with the top leading edge tapered at no less than 60 degrees from the horizontal shall not be required to meet the 10 inch bottom rail height requirement.
3. Doors that do not extend to within 10 inches of the floor shall not be required to comply with Section 404.2.9.

404.2.10 Vision lights. Doors and sidelites adjacent to doors containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one panel on either the door or an adjacent sidelite 43 inches maximum above floor.

405 RAMPS
405.2 Slope. Ramp shall have a running slope greater than 1:20 and not steeper than 1:12.

405.3 Cross Slope. Cross slopes of ramp runs shall not be steeper than 1:48.

405.5 Clear width. The clear width of a ramp shall shall be 36 inches minimum. Handrails and handrail supports that are provided on the ramp run shall not project into the required clear width of the ramp run.

405.6 Rise. The rise for any ramp run shall be 30 inches maximum.

405.7 Landings. Ramps shall have landings at the top and the bottom of each ramp run. Landings shall comply with Section 405.7.

405.7.2 Width. Clear width of landings shall be at least as wide as the widest ramp run leading to the landing.

405.7.3 Length. Landings shall have a clear length of 60 inches minimum.

405.7.4 Change in direction. Ramps that change direction at ramp landings shall be sized to provide a turning space complying with Section 304.3.

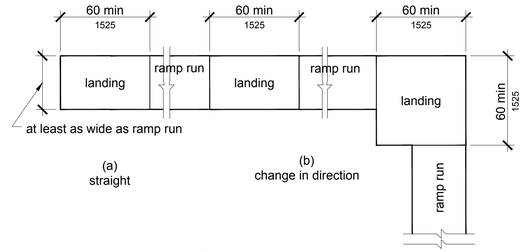


FIGURE 405.7
RAMP LANDINGS

405.7.5 Doorways. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by sections 404.2.3 and 404.3.2 shall be permitted to overlap the landing area. Where a door that is subject to locking is adjacent to a ramp landing, the landing shall be sized to provide a turning space complying with Section 304.3.

405.8 Handrails. Ramp runs with a rise greater than 6 inches shall have handrails complying with Section 505.

405.9 Edge protection. Edge protection complying with section 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp landings.
Exceptions:
1. Door Edge protection shall not be required on ramps not required to have handrails and that have flared sides complying with Section 406.3.
2. Edge protection shall not be required on the sides of ramp landings serving an adjoining ramp run or stairway.
3. Edge protection shall not be required on the sides of ramp landings having a vertical dropoff of 1/2 inch maximum within 10 inches horizontally of the minimum landing area specified in Section 406.7.
4. Edge protection shall not be required on the sides of ramped aisles where the ramps provide access to the adjacent seats and aisle access ways.

405.9.2 Curb or barrier. A curb complying with Section 405.9.2.1 or a barrier complying with Section 405.9.2.2 shall be provided.

405.9.2.1 Curb. A curb shall be a minimum of 4 inches in height.

405.9.2.2 Barrier. Barriers shall be constructed so that the barrier prevents the passage of a 4-inch diameter sphere where any portion of the sphere is within 4 inches of the floor

406.2 Curb ramps.
406.2 Counter Slope. Counter slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp shall not be steeper than 1:20. The adjacent surfaces at transition at curb ramps to walks, gutters and streets shall be at the same level.

406.3 Sides of curb ramps. Where provided, curb ramp flares shall not be steeper shall comply with Section 406.3

406.3.1 Slope. Flares shall not be steeper than 1:10.

406.3.2 Marking. If curbs adjacent to the ramp flares are painted, the painted surface shall extend along the flared portion of the curb.

406.4 Width. Curb ramps shall be 36 inches minimum in width, exclusive of flared sides.

406.5 Floor Surface. Floor surfaces of curb ramps shall comply with Section 302.

406.6 Location. Curb ramps and the flared sides of curb ramps shall be located so they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.

406.7 Landings. Landings shall be provided at the tops of curb ramps. The clear length of the landing shall be 36 inches minimum. The clear width of the landing shall be at least as wide as the curb ramp, excluding flared sides, leading to the landing.

406.9 Handrails. Handrails shall not be required on curb ramps.

406.10 Diagonal curb ramps. Diagonal or corner type curb ramps with returned curbs or other well defined edges shall have the edges parallel to the direction of pedestrian flow. The bottoms of diagonal curb ramps shall have 48 inches minimum clear space outside active traffic lanes of the roadway. Diagonal curb ramps with flared sides shall have a segment of curb 24 inches long minimum in length on each side of the curb ramp and within the marked crossing.

406.13 Detectable warnings at Curb Ramps. When detectable warnings are provided on curb ramps, they shall comply with Sections 406.13 and 705.

406.13.1 Area covered. Detectable warnings shall be 24 inches minimum in depth in the direction of travel. The detectable warning shall extend the full width of the curb ramp or flush surface.

406.13.2 Location. The detectable warning shall be located so the edge nearest the curb line is 6 inches minimum and 8 inches maximum from the curb line

407 ELEVATORS.
407.2 Elevator landing requirements. Elevator landings shall comply with sections 407.2

407.2.1 Call controls. Where elevator call buttons or keypads are provided, they shall comply with Sections 407.2.1 and 309.4. Call buttons shall be raised or flush. Objects beneath hall call buttons shall protrude 1 inch maximum.

407.2.1.1 Height. Call buttons and keypads shall be located within one of the reach ranges specified in Section 308, measured to the centerline of the highest operable part.

407.2.1.2 Size. Call buttons shall be 3/4 inch minimum in the smallest dimension.

407.2.1.3 Clear floor space. A clear floor or ground space complying with Section 305 shall be provided at call controls.

407.2.1.4 Location. The call button that designates the up direction shall be located above the call button that designates the down direction.

407.2.2 Hall signals. Hall signals, including in-car signals, shall comply with section 407.2.2.

407.2.2.1 Visible and audible signals. A visible and audible signal shall be provided at each hoistway entrance to indicate which car is answering a call and the car's direction of travel. Where in-car signals are provided they shall be visible from the floor area adjacent to the hall call buttons.

407.2.2.2 Visible signals. Visible signal fixtures shall be centered at 72 inches minimum above the floor. The visible signal elements shall be a 2-1/2 inches minimum between the uppermost and lowest edges of the illuminated shaped measured vertically. Signals shall be visible from the floor area adjacent to eh hall call button.

407.2.2.3 Audible signals. Audible signals shall sound once for the up direction and twice for the down direction, or shall have verbal annunciators that indicate the direction of elevator car travel.

407.2.3.1 Floor designation. Floor designations shall be provided in raised characters and braille complying with Sections 703.3 and 703.4. Raised characters shall be 2 inches minimum in height. Floor designations shall be provided on both jambs of elevator hoistway entrances. A raised star shall be provided on both jambs at the main entry level.

407.3 Elevator door requirements. Hoistway and car doors shall comply with Section 407.3.

407.3.1 Type. Elevator doors shall be the horizontal sliding type. Car gates shall be prohibited.

407.3.2 Operation. Elevator hoistway and car doors shall open and close automatically.

407.3.3 Reopening device. Elevator doors shall be provided with a reopening device complying with Section 407.3.3 that shall stop and reopen a car door and hoistway door automatically if the door becomes obstructed by an object or person.

407.3.3.1 Height. The device shall be activated by sensing an obstruction passing through the opening at 5 inches nominal and 29 inches nominal above the floor.

407.3.3.2 Contact. The reopening device shall not require physical contact to be activated, although contact is permitted before the door reverses.

407-3.3.3 Duration. The reopening device shall remain effective for 20 seconds minimum.

407.4.1 Car dimensions. Inside dimensions of elevator cars shall comply with Table 407.4.1.

407.4.2 Floor surfaces. Floor surfaces in elevator cars shall comply with Section 302.

407.4.4 Leveling. Each car shall automatically stop and maintain position at floor landings within a tolerance of 1/2 inch under rated loading to zero loading conditions.

407.4.5 Illumination. The level of illumination at the car controls, platform, car threshold and car landing sill shall comply with ASME A17.1/CSA B44 listed in Section 105.2.5.

407.4.6 Elevator car controls.
407.4.6.1 Location. Controls shall be located within one of the reach ranges specified in Section 308.

407.4.6.2 Buttons.
407.4.6.2.1 Size. Buttons shall be 3/4 inch minimum in their smallest dimension.

407.4.6.2.2 Arrangement. Buttons shall be arranged with numbers in ascending order. Floors shall be designated . . .-4, -3, -2, -1, 0, 1, 2, 3, 4, etc., with floors below the main entry floor designated with minus numbers. Numbers shall be permitted to be omitted, provided the remaining numbers are in sequence. Where a telephone keypad arrangement is used, the number key ("#") shall be utilized to enter the minus symbol ("-"). When two or more columns of buttons are provided they shall read from left to right.

407.4.6.4.1 Height. Emergency control buttons shall have their centerlines 35 inches minimum above the floor.

407.4.6.4.2 Location. Emergency controls, including the emergency alarm, shall be grouped at the bottom of the panel.

407.4.9 Car position indicators. Audible and visible car position indicators shall be provided in elevator cars.

407.4.9.1 Visible indicators. Visible indicators shall comply with Section 407.4.9.1

407.4.9.1.1 Size. Characters shall be 1/2 inch minimum in height.

407.4.9.1.2 Location. Indicators shall be located above the car control panel or above the door.

407.4.9.1.3 Floor arrival. As the car passes a floor and when the car stops at a floor served by the elevator, the corresponding character shall illuminate.

407.4.9.2 Audible Indicator.
407.4.9.2.1 Signal type. The signal shall be an automatic verbal annunciator which announces the floor at which the car is about to stop. The verbal announcement indicating the floor shall be completed prior to the initiation of the door opening.

407.4.10 Emergency communication. Emergency two-way communication systems between the elevator and a point outside the hoistway shall comply with ASME A17.1/CSA B44 listed in Section 105.2.5.

GENERAL SITE + BUILDING ELEMENTS

502 PARKING SPACES
502.1 General. Car and van parking spaces shall comply with Section 502.

502.2 Vehicle space size. Car parking spaces shall be 96 inches long minimum in width. Van parking spaces shall be 132 inches minimum in width. Car parking spaces shall be 108 inches wide minimum and van parking spaces shall be 144 inches wide minimum, shall be marked to define the width, and shall have an adjacent access aisle complying with section 11B-502.3

502.3 Vehicle Space Marking. Car and van parking spaces shall be marked to define the width. Where parking spaces are marked with lines, the width measurements of parking spaces and adjacent access aisles shall be made from the centerline of the markings.

502.4 Access aisle. Car and van parking spaces shall have an adjacent access aisle complying with Section 502.4.

502.4.1. Location. Access aisles shall adjoin an accessible route. Two parking spaces shall be permitted to share a common access aisle. Access aisles shall not overlap the vehicular way. Parking spaces shall be permitted to have access aisles placed on either side of the car or van parking space. Van parking spaces that are angled shall have access aisles located on the passenger side of the parking space,

502.4.2 Width. Access aisle serving car and van parking spaces shall be 60 inches minimum in width.

502.4.3 Length. Access aisles shall extend the full required length of the parking spaces they serve.

502.4.3 Marking. Access aisles shall be marked so as to discourage parking in them. Where access aisles are marked with lines, the width measurements of access aisles and adjacent parking spaces shall be made from the centerline of the markings.

502.5 Floor surfaces. Parking spaces and access aisles shall comply with Section 302 and have surface slopes not steeper than 1:48. Access aisles shall be at the same level as the parking spaces they serve.

502.6 Vertical clearance. A vertical clearance of 98 inches minimum shall be provided at the following locations:
1. Parking spaces for vans.
2. The access aisles serving parking spaces for vans.
3. The vehicular routes serving parking spaces for vans.

502.7 Identification. Where accessible parking spaces are required to be identified by signs, the signs shall include the International Symbol of Accessibility complying with Section 703.6.3.1. Signs identifying van parking spaces shall contain the designation "van accessible". Such signs shall be 60 inches minimum above the floor of the parking space, measured to the bottom of the sign.

504 STAIRWAYS.
504.2 Treads and risers. All steps on a flight of stairs shall have uniform riser eights and uniform tread depths. Risers shall be 4 inches minimum and 7 inches maximum in height. Treads shall be 11 inches minimum in depth.

504.3 Open risers. Open risers are not permitted.

504.5.1 Visual contrast. The leading 2 inches of the tread shall have a visual contrast of dark-on-light or light-on-dark from the remainder of the tread.

504.6 Handrails. Stairs shall have handrails complying with Section 505.

504.7 Wet Conditions. Stair treads and landings subject to wet conditions shall be designed to prevent the accumulation of water.

505 HANDRAILS
505.1 General. Handrails required by Section 405.8 for ramps,or Section 504.6 for stairs, shall comply with Section 505.

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 and ramps shall be continuous between flights or runs. Other handrails shall comply with Section 505.10 and 307.

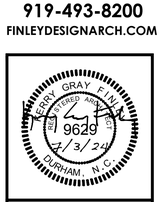
505.4 Height. Top of gripping surfaces of handrails shall be 34 inches minimum and 38 inches maximum vertically above stair nosings, ramp surfaces, and walking surfaces

505.5 Clearance. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2 inches minimum.

505.6 Gripping surface. Handrail gripping surfaces shall be continuous, without interruption by newel posts, other construction elements, or obstructions.

505.7 Cross section. Handrails shall have a cross section complying with Section 505.7.1 or 505.7.2.

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM



ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

ACCESSIBILITY NOTES & DIAGRAMS

A0.41

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 ACCESSIBILITY NOTES.DWG

GENERAL SITE + BUILDING ELEMENTS - CONT'D

505.7.1 Circular cross section. Handrails with a circular cross section shall have an outside diameter of 1-1/4 inches minimum and 2 inches maximum.

505.7.2 Noncircular cross section. Handrails with a noncircular cross section shall have a perimeter of 4 inches minimum and 6-1/4 inches maximum, and a cross-section dimension of 2-1/4 inches maximum.

505.8 Surfaces. Handrails gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements. Edges shall be rounded.

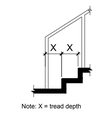
505.9 Fittings. Handrails shall not rotate within their fittings.

505.10.1 Top and bottom extension at ramps. Ramps handrails shall extend horizontally above the landing for 12 inches minimum beyond the top and bottom or ramp runs. Extensions shall return to a wall, guard, or floor, or shall be continuous to the handrail of an adjacent ramp run.

505.10.2 Top extension at stairs. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches minimum beginning directly above the landing nosing. Extensions shall return to a wall, guard, or the landing 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 horizontal distance equal to one tread depth beyond the bottom tread nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

Figure 505.10.2
TOP HANDRAIL EXTENSION AT STAIRS



Note: X = tread depth

FIGURE 505.10.3
BOTTOM HANDRAIL EXTENSION AT STAIRS

PLUMBING ELEMENTS + FACILITIES

602 DRINKING FOUNTAINS
602.2 Clear floor space. A clear floor or ground space complying with Section 305 positioned for a forward approach to the drinking fountain, shall be provided. Knee and toe clearance complying with Section 306 shall be provided. The clear floor space shall be centered on the drinking fountain.

602.4 Spout outlet height. Spout outlets of wheelchair accessible drinking fountains shall be 36 inches maximum above the floor. Spout outlets of drinking fountains for standing persons shall be 38 inches minimum and 43 inches maximum above the floor.

602.5 Spout location. The spout shall be located 15 inches minimum from the vertical support and 5 inches maximum from the front edge of the drinking fountain, including bumpers. Where only a parallel approach is provided, the spout shall be located 3-1/2 inches maximum from the front edge of the drinking fountain, including bumpers.

603 TOILET AND BATHING ROOMS
603.2.1 Turning space. Turning space complying with Section 304 shall be provided within the room. The required turning space shall not be provided within a toilet compartment.

603.2.2 Door swing. Doors shall not swing into the clear floor space or clearance required for any fixture.
Exceptions:
1. Doors to a toilet or bathing room for a single occupant, accessed only through a private office and not for common use or public use shall be permitted to swing into the clear floor space, provided the swing of the door can be reversed to comply with Section 603.2.2.
2. Where the room is for individual use and a clear floor space complying with Section 305.3 is provided within the room beyond the arc of the door swing, the door shall not be required to comply with Section 603.2.2.

603.3 Mirrors. Where mirrors are located above lavatories,a mirror shall be located over the accessible lavatory and shall be mounted with the bottom edge of the reflecting surface 40 inches maximum above the floor. Where mirrors are located above counters that do not contain lavatories, the mirror shall be mounted with the bottom edge of the reflecting surface 35 inches maximum above the floor.

603.4 Coat hooks and shelves. Coat hooks shall be located within one of the reach ranges specified in Section 308. Shelves shall be located 40 inches minimum and 48 inches maximum above the floor.

604 WATER CLOSETS AND COMPARTMENTS
604.2 Location. The water closet shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 67 inches minimum and 18 inches maximum from the side wall or partition. Water closets located in ambulatory accessible toilet compartments specified in Section 604.10 shall have the centerline of the water closet 17 inches minimum and 19 inches maximum from the side wall or partition.

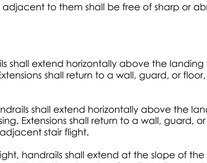


FIGURE 604.3
SIZE OF CLEARANCE FOR WATER CLOSET

604.3 Clearance.
604.3.1 Clearance width. Clearance around a water closet shall be 60 inches minimum in width,measured perpendicular from the side wall.

604.3.2 Clearance depth. Clearance around the water closet shall be 56 inches minimum in depth, measured perpendicular from the rear wall.

604.3.3 Clearance overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, paper dispensers, sanitary napkin receptacles, coat hooks, shelves, accessible routes, clear floor space at other fixtures and the truning space. No other fixtures or obstructions shall be within the required water closet clearance.

FIGURE 604.5.1
SIDE WALL GRAB BAR AT WATER CLOSETS

604.4 Heights. The height of water closet seats shall be 17 inches minimum and 19 inches maximum above the floor, measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.5 Grab bars. Grab bars for water closets shall comply with Section 609 and shall be provided in accordance with Sections 604.5.1 and 604.5.2. Grab bars shall be provided on the rear wall and on the side wall closest to the water closet.

604.5.1 Fixed Side Wall. Fixed side wall grab bars shall be 42 inches minimum in length, located 12 inches maximum from the rear wall and extending 54 inches minimum from the rear wall. In addition, a vertical grab bar 18 inches minimum in lengths hall be mounted with the bottom of the bar located 39 inches minimum and 41 inches maximum above the floor, and with the centerline of the bar located 39 inches minimum and 41 inches maximum from the rear wall.

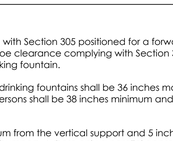


FIGURE 11B-604.5.2
REAR WALL GRAB BAR AT WATER CLOSETS

604.5.2 Fixed Rear wall. The rear wall grab bar shall be 36 inches minimum in length, and extend from the centerline of the water closet 12 inches on one side and 24 inches minimum on the transfer side.
Exceptions:
1. The rear grab bar shall be permitted to be 24 inches minimum in length, centered on the water closet, where wall space does not permit a grab bar 36 inches minimum in length due to the location of a recessed fixture adjacent to the water closet.
2. Where the administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, that grab bar shall be permitted to be split or shifted to the open side of the toilet area.

604.6 Flush controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 309.
Exception: In ambulatory accessible compartments complying with section 604.10, flush controls shall be located on the open side of the water closet.

PLUMBING ELEMENTS + FACILITIES - CONT.

604.7 Dispensers. Toilet paper dispensers shall comply with Section 309.4. Where the dispenser is located above the grab bar, the outlet of the dispenser shall be located within an area 24 inches minimum and 36 inches maximum from the rear wall. Where the dispenser is located below the grab bar, the outlet of the dispenser shall be located within an area 24 inches minimum and 42 inches maximum from the rear wall. The outlet of the dispenser shall be located 18 inches minimum and 48 inches maximum above the floor. Dispensers shall comply with Section 609.3. Dispensers shall not be of a type that control delivery, or do not allow continuous paper flow.

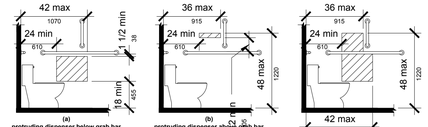


FIGURE 604.7
DISPENSER OUTLET LOCATION

604.9 Wheelchair Accessible Compartments.
604.9.2.1 Minimum Area. The minimum area of a wheelchair accessible compartment shall be 60 inches minimum in width measured perpendicular to the side wall, and 56 inches minimum in depth for wall hung water closets, and 59 inches minimum in depth for floor mounted water closets measured perpendicular to the rear wall.

604.9.3 Doors. Toilet compartment doors, including door hardware,shall comply with Section 404, except if the approach is to the latch side of the compartment door clearance between the doorside of the stall and any obstruction shall be 42 inches minimum. The door shall be self-closing. A door pull complying with Section 404.6 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the required minimum area of the compartment.

604.9.5.1 Toe clearance. The front partition and at least one side partition shall provide a toe clearance of 9 inches minimum above the floor and extending 6 inches beyond the compartment side face of the partition, exclusive of partition, exclusive of partition support members.
Exceptions:
1. Toe clearance at the front partition is not required in a compartment greater than 62 inches in depth with a wall-hung water closet, or greater than 65 inches in depth with a floor-mounted water closet.
2. Toe clearance at the side partition is not required in a compartment greater than 66 inches in width.

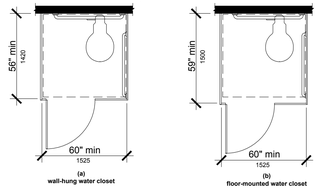


FIGURE 604.9.2
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS

604.10 Ambulatory Accessible compartments.
604.10.1 General. Ambulatory accessible compartments shall comply with Section 604.10.

604.10.2 Size. The minimum area of an ambulatory accessible compartment shall be 60 inches minimum in depth and 36 inches in width.

604.10.3 Doors. Toilet compartment doors, including door hardware, shall comply with Section 404, except if the approach is to the latch side of the compartment door the door clearance between the door side of the compartment and any obstruction shall 42 inches minimum. The door shall be self-closing. A door pull complying with Section 404.2.6 shall be placed on both sides of the door near the latch. Compartment doors shall not swing into the required minimum area of the compartment.

604.10.4 Grab bars. Grab bars shall comply with Section 109. Side-wall grab bars complying with Section 604.5.1 shall be provided on both sides of the compartment.

605 URINALS
605.2 Height and depth. Urinals shall be of the stall-type or the wall-hung type with the rim at 17 inches maximum above the floor. Wall-hung urinals shall be 13-1/2 inches minimum in depth measured from the outer face of the urinal rim to the wall.

605.3 Clear floor space. A clear floor complying with Section 305, positioned for forward approach, shall be provided.

605.4 Flush controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 309.

FIGURE 605.2
HEIGHT OF URINALS

606 LAVATORIES AND SINKS.
606.2 Clear floor space. A clear floor space complying with Section 305, positioned for a forward approach, shall be provided. Knee and toe clearance complying with Section 306 shall be provided. The dip of the overflow shall not be considered in determining knee and toe clearances.
Exceptions:
1. A parallel approach complying with Section 305 and centered on the sink, shall be permitted to a kitchen sink in a space where a cook top or conventional range is not provided,
2. The requirement for knee and toe clearance shall not apply to a lavatory in a toilet or bathing facility for a single occupant, accessed only through a private office and not for common use or public use.
3. The requirement for knee and toe clearance shall not apply to more than one bowl of a multibowl sink.
4. A parallel approach complying with Section 305 and centered on the sink, shall be permitted at wet bars.

606.3 Height. The front of lavatories and sinks shall be 34 inches maximum above the floor, measured to the higher of the rim or counter surface.

606.6 Exposed pipes and surfaces. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

607 BATHTUBS
607.2 Clearance. A clearance in front of bathtubs extending the length of the bathtub and 30 inches minimum in depth shall be provided. Where a permanent seat is provided at the head end of the bathtub, the clearance shall extend 12 inches minimum beyond the wall at the head end of the bathtub.

607.3 Seat. A permanent seat at the head end of the bathtub or a removable in-tub seat shall be provided. Seats shall comply with Section 610.

607.3 Grab bars. Grab bars shall comply with Section 609 and shall be provided in accordance with Section 607.4.1 or 607.4.2.

607.4.1 Bathtubs with Permanent Seats. For bathtubs with permanent seats, grab bars complying with Section 607.4.1 shall be provided.

607.4.1.1 Back Wall. Two horizontal grab bars shall be provided on the back wall, one complying with Section 609.4 and the other located 8 inches minimum and 10 inches maximum above the rim of the bathtub. Each grab bar shall be located 15 inches maximum from the head end wall and extend 12 inches maximum from the control end wall.

607.4.1.2 Control End Wall. Control end wall grab bars shall comply with Section 607.4.1.2.
Exception: An L-shaped continuous grab bar of equivalent dimensions and positioning shall be permitted to serve the function of separate vertical and horizontal grab bars.

607.4.1.2.1 Horizontal grab bar. A horizontal grab bar 24 inches minimum in length shall be provided on the control end wall beginning near the front edge of the bathtub and extending toward the inside corner of the bathtub.

607.4.1.2.2 Vertical grab bar. A vertical grab bar 18 inches minimum in length shall be provided on the control end wall 3 inches minimum and 6 inches maximum above the horizontal grab bar, and 4 inches maximum inward from the front edge of the bathtub.

607.4.2 Bathtubs without Permanent Seats. For bathtubs without permanent seats, grab bars complying with Section 607.4.2 shall be provided.

607.4.2.1 Back Wall. Two horizontal grab bars shall be provided on the back wall, one complying with Section 609.4 and the other located 8 inches minimum and 10 inches maximum above the rim of the bathtub. Each grab bar shall be 24 inches minimum in length, located 24 inches maximum from the head end wall and extend to 12 inches maximum from the control end wall.

607.4.2.2 Control End Wall. Control end wall grab bars shall comply with Section 607.4.1.2.

607.4.2.3 Head End Wall. A horizontal grab bar 12 inches minimum in length shall be provided on the head end wall at the front edge of the bathtub.

607.5 Controls. Controls, other than drain stoppers, shall be provided on an end wall, located between the bathtub rim and grab bar, and between the open side of the bathtub and the centerline of the width of the bathtub. Controls shall comply with Section 309.4.

607.6 Hand shower. A hand shower with a hose 59 inches minimum in length, that can be used as both a fixed shower head and a hand shower, shall be provided. The hand shower shall have a control with a non-positive shut-off feature. Where provided, an adjustable-height hand shower mounted on a vertical bar shall be installed so as to not obstruct the use of grab bars.

608 SHOWER COMPARTMENTS
608.2 Size, clearance, and seat. Showers compartments shall have sizes, clearances, and seats complying with Section 608.2

608.2.1 Transfer-type shower compartments.
608.2.1.1 Size. Transfer-type shower compartments shall have a clear inside dimension of 36 inches in width and 36 inches in depth, measured at the center point of opposing sides. An entry 36 inches minimum in width shall be provided.

608.2.1.2 Clearance. A clearance of 48 inches minimum in length measured perpendicular from the control wall, and 36 inches minimum in depth shall be provided adjacent to the open face of the compartment.

608.2.1.3 Seat. A folding or no-folding seat complying with Section 610 shall be provided on the wall opposite the control wall.

608.2.2 Standard Roll-in-type shower compartments.
608.2.2.1 Size. Standard roll-in-type shower compartments shall have a clear inside dimension of 60 inches minimum in length and 30 inches minimum in depth, measured at the center point of opposing sides. An entry 60 inches minimum in width shall be provided.

608.2.2.2 Clearance. A clearance of 60 inches minimum in length adjacent to the 60-inch width of the open face of the shower compartment, and 30 inches minimum in depth shall be provided.
Exception: A lavatory complying with Section 606 shall be permitted at the end of the clearance opposite the seat.

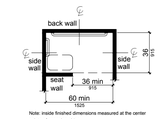
608.2.2.3 Seat. A folding seat complying with Section 610 shall be provided on an end wall.
Exceptions:
1. A seat is not required to be installed in a shower for a single occupant accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of a shower seat.
2. A fixed seat shall be permitted where the seat does not overlap the minimum clear inside dimension required by Section 608.2.2.1.

608.2.3 Alternate roll-in-type shower compartments.
608.2.3.1 Size. Alternate roll-in shower compartments shall have a clear inside dimension of 60 inches minimum in width, and 36 inches in depth, measured at the center point of opposing sides. An entry 36 inches minimum in width shall be provided at one end of the 60-inch width of the compartment. A seat wall, 24 inches minimum and 36 inches maximum in length, shall be provided on the entry side of the compartment.

608.2.3.2 Seat. A folding seat complying with Section 610 shall be provided on the seat wall opposite the back wall.

Note: inside finished dimensions measured at the center points of opposing sides

FIGURE 608.2.2
STANDARD ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE



Note: inside finished dimensions measured at the center points of opposing sides

FIGURE 608.2.3
ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

608.3 Grab bars.
608.3.1 Grab bars in Transfer-type showers.
608.3.1.1 Horizontal grab bars. Horizontal grab bars shall be provided across the control wall and on the back wall to a point 18 inches from the control wall.

608.3.1.2 Vertical grab bar. A vertical grab bar 18 inches minimum in length shall be provided across the control wall 3 inches minimum and 6 inches maximum above the horizontal grab bar, and 4 inches maximum inward from the front edge of the shower.

608.3.2 Standard Roll-in-type showers. In standard roll-in type showers, a grab bar shall be provided on the back wall beginning at the edge of the seat. The grab bars shall not be provided above the seat. The back wall grab bar shall extend the length of the wall but shall not be required to exceed 48 inches in length. Where a side wall is provided opposite the seat within 72 inches of the seat wall, a grab bar shall be provided on the side wall opposite the seat. The side wall grab bar shall extend the length of the wall but shall not be required to exceed 30 inches in length. Grab bars sahll be 6 inches maximum from the adjacent wall.

608.3.3 Alternate Roll-in-type showers. In alternate roll-in type showers, grab bars shall be provided on the back wall and the end wall adjacent to the seat. Grab bars shall not be provided above the seat. Grab bars shall be 6 inches maximum from the adjacent wall.

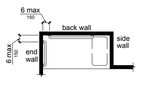


FIGURE 608.3.2
GRAB BARS IN STANDARD ROLL-IN TYPE SHOWERS

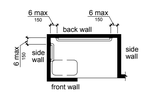


FIGURE 608.3.3
GRAB BARS FOR ALTERNATE ROLL-IN TYPE SHOWERS

608.4 Controls and hand showers.
608.4.1 Transfer-type showers, In transfer-type showers, the controls and hand shower shall be located:
1. On the control wall opposite the seat.
2. At a height of 38 inches minimum and 48 inches maximum above the shower floor, and
3. 15 inches maximum, from the centerline of the control wall toward the shower opening.

608.4.2 Standard Roll-in-type showers. In standard roll-in type showers, the controls and hand shower shall be located on the back wall above the grab bar, 48 inches maximum above the shower floor and 16 inches minimum and 27 inches maximum from the end wall behind the seat.

608.4.3 Alternate Roll-in-type showers. In alternate roll-in type showers, the controls and hand shower shall be located 38 inches minimum and 48 inches maximum above the shower floor. In alternate roll-in showers with controls and hand shower located on the end wall adjacent to the seat, the controls and hand shower shall be 27 inches maximum from the seat wall. In alternate roll-in showers with the controls and hand shower located on the back wall opposite the seat, the controls and hand shower shall be located with 15 inches, left or right, of the centerline of the seat.

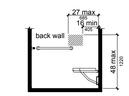


FIGURE 608.4.2
CONTROLS FOR STANDARD ROLL-IN TYPE SHOWERS

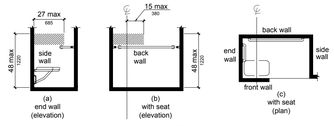


FIGURE 608.3.3
GRAB BARS FOR ALTERNATE ROLL-IN TYPE SHOWERS

608.5 Hand showers. A hand shower with a hose 59 inches minimum in length, that can be used both as a fixed shower head and a hand shower, shall be provided. The hand shower shall have a control with a non-positive shut-off feature. Where provided, an adjustable-height hand shower mounted on a vertical bar shall be installed so as to not obstruct the use of grab bars.
Exception: In other than Accessible units and Type A units, a fixed shower head located 48 inches maximum above the shower floor shall be permitted in lieu of a hand shower.

608.6 Thresholds. Thresholds in roll-in type shower compartments shall be 1/2 inch high maximum in accordance with Section 303. In transfer-type shower compartments, thresholds 1/2 inch maximum in height shall be beveled, rounded, or vertical.

609 GRAB BARS
609.2.1 Circular cross section. Grab bars with a circular cross section shall have an outside diameter of 1-1/4 inch minimum and 2 inches maximum.

609.2.2 Noncircular cross section. Grab bars with a noncircular cross section shall have a cross section dimension of be 2 inches maximum, and a perimeter dimension of 4 inches minimum and 4.8 inches maximum..

609.3 Spacing. The space between the wall and the grab bar shall be 1-1/2 inches. The space between the grab bar and projecting objects below and at the ends shall be 1-1/2 inches minimum. The space between that grab bar and projecting objects above shall be 12 inches minimum.
Exceptions:
1. The space between the grab bars and the shower controls, shower fittings, and other grab bars above shall be permitted to be 1-1/2 inches minimum.
2. Recessed dispensers projecting from the wall 1/4 inch maximum measured from the face of the dispenser and complying with Section 604.7 shall be permitted within the 12-inch space above and the 1-1/2 inch spaces below and at the ends of the grab bar.

609.4 Position of grab bars. Grab bars shall be installed in a horizontal position, 33 inches minimum and 36 inches maximum above the floor measured to the top of the gripping surface. or shall be installed as required by Items 1 through 3.
1. The lower grab bar on the back wall of a bathtub shall comply with Section 607.4.1.1. or 607.4.2.1.
2. Vertical grab bars shall comply with Sections 604.5.1, 607.4.1.2.2, and 608.3.1.2.

609.5 Surface hazards. Grab bars and any wall or other surfaces adjacent to grab bars ,shall be free of sharp or abrasive elements. Edges shall be rounded.

609.6 Fittings. Grab bars shall not rotate within their fittings.

610 SEATS
610.2 Bathtub seats. The height of bathtub seats shall be 17 inches minimum and 19 inches maximum above the bathroom floor, measured to the top of the seat. Removable in-tub seats shall be 15 inches minimum and 16 inches maximum in depth. Removable in-tub seats shall be capable of secure placement. Permanent seats shall be 15 inches minimum in depth and shall extend from the back wall to or beyond the outer edge of the bathtub. Permanent seats shall be positioned at the head of the bathtub.

610.3 Shower compartment seats. The height of shower compartment shall be 17 inches minimum and 19 inches maximum above the bathroom floor, measured to the top of the seat. In transfer-type and alternate roll-in-type showers, the seat shall extend along the wall to a point within 3 inches of the compartment entry. In standard roll-in-type showers, the seat shall extend from the control wall to a point within 3 inches of the compartment entry. Seats shall comply with Section 610.3.1 or 610.3.2.

610.3.1 Rectangular seats. The rear edge of a rectangular seat shall be 2-1/2 inches maximum and the front edge shall be 15 inches minimum and 16 inches maximum from the seat wall. The side edge of the seat shall be 1-1/2 inches maximum from the back wall of a transfer-type shower and 1-1/2 inches maximum from the control wall of a roll-in shower.

610.3.2 L-shaped seats. The rear edge of a L-shaped seat shall be 2-1/2 inches maximum and the front edge shall be 15 inches minimum and 16 inches maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 1-1/2 inches maximum from the wall and the front edge shall be 14 inches minimum and 15 inches maximum from the wall. The end of the "L" shall be 22 inches minimum and 23 inches maximum from the main seat wall.

611 WASHING MACHINES AND CLOTHES DRYERS.
611.2 Clear Floor Space. A clear floor space, complying with Section 305, positioned for parallel approach, shall be provided. For top loading machines, the clear floor space shall be centered on the appliance. For front loading machines, the centerline of the clear floor space shall be offset 24 inches maximum from the centerline of the door opening.

611.3 Operable parts. Operable parts, including doors, lint screens, detergent and bleach compartments, shall comply with Section 309.

611.4 Height. Top loading machines shall have the door to the laundry compartment 36 inches maximum above the floor. Front loading machines shave the bottom of the opening to the laundry compartment 15 inches minimum and 36 inches maximum above the floor.

COMMUNICATION ELEMENTS + FEATURES

703 SIGNS
703.1 General. Accessible signs shall comply with Section 703. Tactile signs shall contain both raised characters and braille. Where signs with both visual and raised characters are required, either one sign with both visual and raised characters, or two separate signs, one with visual, and one with raised characters, shall be provided.

703.1.1 Designations. Interior and exterior sidentifying permanent rooms and spaces shall comply with Sections 703.1, 703.2, and 703.3.
Exception: Exterior signs that are not located at the door to the space they serve shall not be required to comply with Section 703.3.

703.1.2 Directional and Informational Signs. Signs that provide direction to or information about interior spaces and facilities of the site shall comply with Section 703.2.

703.1.3 Pictograms. Where pictograms are provided as designations of permanent interior rooms and spaces, the pictograms shall comply with Section 703.5 and shall have text descriptors located directly below the pictogram field and complying with Sections 703.2 and 703.3.
Exception: Pictograms that provide information about a room or space, such as "No Smoking", occupant logos, and the International Symbol of Accessibility, are not required to have text descriptors.

703.2.2 Case. Characters shall be uppercase, lowercase, or a combination of both.

703.2.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character height. The uppercase letter "I" shall be used to determine the allowable height of all characters in the font. The uppercase letter "I" of the font shall have a minimum height complying with 703.2.4. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign.
Exception: In assembly seating where the maximum viewing distance is 100 feet or greater, the height of the uppercase "I" of fonts shall be permitted to be 1 inch for every 30 feet of viewing distance, providing the character height is 8 inches minimum. Viewing distance shall be measured as the horizontal distance between the character and where someone is expected to view the sign.

703.2.5 Character width. The uppercase "O" shall be used to determine the allowable width of all characters of a font. The width of the uppercase "O" of a font shall be 55 percent minimum and 110 percent maximum of the height of the uppercase "I" of the font.

703.2.6 Stroke width. The uppercase letter "I" shall be used to determine the allowable stroke width of all characters of a font. The stroke width shall be 10 percent minimum and 30 percent maximum of the height of the uppercase "I" of the font.

703.2.9 Height Above Floor. Visual characters shall be 40 inches minimum above the floor of the viewing position, measured to the baseline of the character. Heights shall comply with Table 703.2.4, based on the size of the characters on the sign.

703.2.10 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.

703.3 Raised characters.
703.3.2 Depth. Raised characters shall comply with section 703.3, and shall be duplicated in braille complying with Section 703.4.

703.3.3 Case. Characters shall be uppercase.

703.3.4 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

ACCESSIBILITY NOTES & DIAGRAMS

A0.42

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 ACCESSIBILITY NOTES.DWG

COMMUNICATION ELEMENTS + FEATURES - CONT'D

703.3.5 Character height. The uppercase 'I' shall be used to determine the allowable height of all characters of a font. The height of the uppercase letter 'I' of a font, measured vertically from the baseline of the character, shall be 5/8 inch minimum and 2 inches maximum.
Exception: Where separate raised and visual characters with the same information are provided, the height of the raised uppercase letter 'I' shall be permitted to be 1/2 inch minimum.

703.3.10 Height Above Floor. Raised characters shall be 48 inches minimum above the floor, measured to the baseline of the lowest raised character and 60 inches maximum above the floor, measured to the baseline of the highest raised character.
Exception: Heights shall comply with Table 703.2.4, based on the size of the characters on the sign.

703.3.11 Location. Where a sign containing raised characters and braille is provided at a door, the sign shall be located alongside the door at the latch side. Where a sign containing raised characters and braille is provided at double doors with one active leaf, the sign shall be on the inactive leaf. Where a sign containing raised characters and braille is provided at double doors with two leafs, the sign shall be located to the right of the right-hand door. Where there is no wall space at the latch side of a single door or at the right side of a double doors, signs shall be located on the nearest adjacent wall. Signs containing raised characters and braille shall be located so that a clear floor space of 18 inches minimum by 18 inches minimum, centered on the raised characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.
Exception: Signs containing raised characters and braille shall be permitted on the push side of doors with closers and without hold-open devices.

703.4 Braille.
703.4.1 General. Braille shall be contacted (Grade 2) and shall comply with Section 703.4.

703.4.2 Uppercase letters. 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.

703.4.3 Dimensions. Braille dots shall have a domed or rounded shape and shall comply with table 703.4.3.

703.4.4 Position. Braille shall be below the corresponding text. If text is multilined, braille shall be placed below entire text. Braille shall be separated 3/8 inch minimum from any other raised characters and 3/8 inch minimum from raised borders and decorative elements. Braille provided on elevator car controls shall be separated 3/16 inch minimum either directly below or adjacent to the corresponding raised characters or symbols.

703.4.5 Mounting Height. Braille shall be located 48 inches minimum and 60 inches maximum above the floor, measured from the baseline of the braille cells.

703.5 Pictograms.
703.5.2 Pictogram Field. Pictograms shall have a field 6 inches minimum in height. Characters or braile shall not be located in the pictogram field.

703.5.3 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 dark pictogram on a light field.

705 DETECTABLE WARNINGS.
705.1 General. Detectable warning surfaces shall comply with Section 705.

705.2 Standardization. Detectable warning surfaces shall be standard within a building, facility, site, or complex of buildings.
Exception: In facilities that have both interior and exterior locations, detectable warnings in exterior locations shall not be required to comply with Section 705.4.

705.3 Contrast. Detectable warning surfaces shall contrast visually with adjacent surfaces either light-on-dark, or dark-on-light.

705.4 Interior Locations. Detectable warning surfaces in interior locations shall differ from adjoining walking surfaces in resiliency or sound-on-cane contact.

705.5 Truncated Domes.
705.5.1 Size. Truncated domes shall have a base diameter of 0.9 inch minimum and 1.4 inch maximum, a top diameter of 50 percent minimum and 65 percent maximum of the base diameter.

705.5.2 Height. Truncated domes shall have a height of 0.2 inch.

705.5.3 Spacing. Truncated domes shall have a center-to-center spacing of 1.6 inches minimum and 2.4 inches maximum, and a base-to-base spacing of 0.65 inch minimum, measured between the most adjacent domes on the grid.

705.5.4 Alignment. Truncated domes shall be aligned in a square grid pattern.

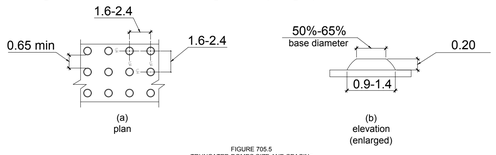


FIGURE 705.5
TRUNCATED DOMES SIZE AND SPACINg

706 ASSISTIVE LISTENING SYSTEMS
706.1 General. Assistive listening systems required in assembly areas shall comply with Section 706.

706.2 Receiver jacks. Receivers required for use with assistive listening systems shall include a 1/8 inch standard mono jack.

708 TWO-WAY COMMUNICATION SYSTEMS
708.1 General. Accessible two-way communication systems shall comply with Section 708.

708.2 Audible and Visual Indicators. The system shall provide both visual and audible signals.

708.3 Handsets. Handset cords, if provided, shall be 29 inches minimum in length.

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

KERRY GRAY FINLEY
REGISTERED ARCHITECT
9629
7/3/24
DURHAM, N.C.

FINLEY DESIGN, P.A.
LICENSED ARCHITECTURAL CORPORATION
51513
NORTH CAROLINA
DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

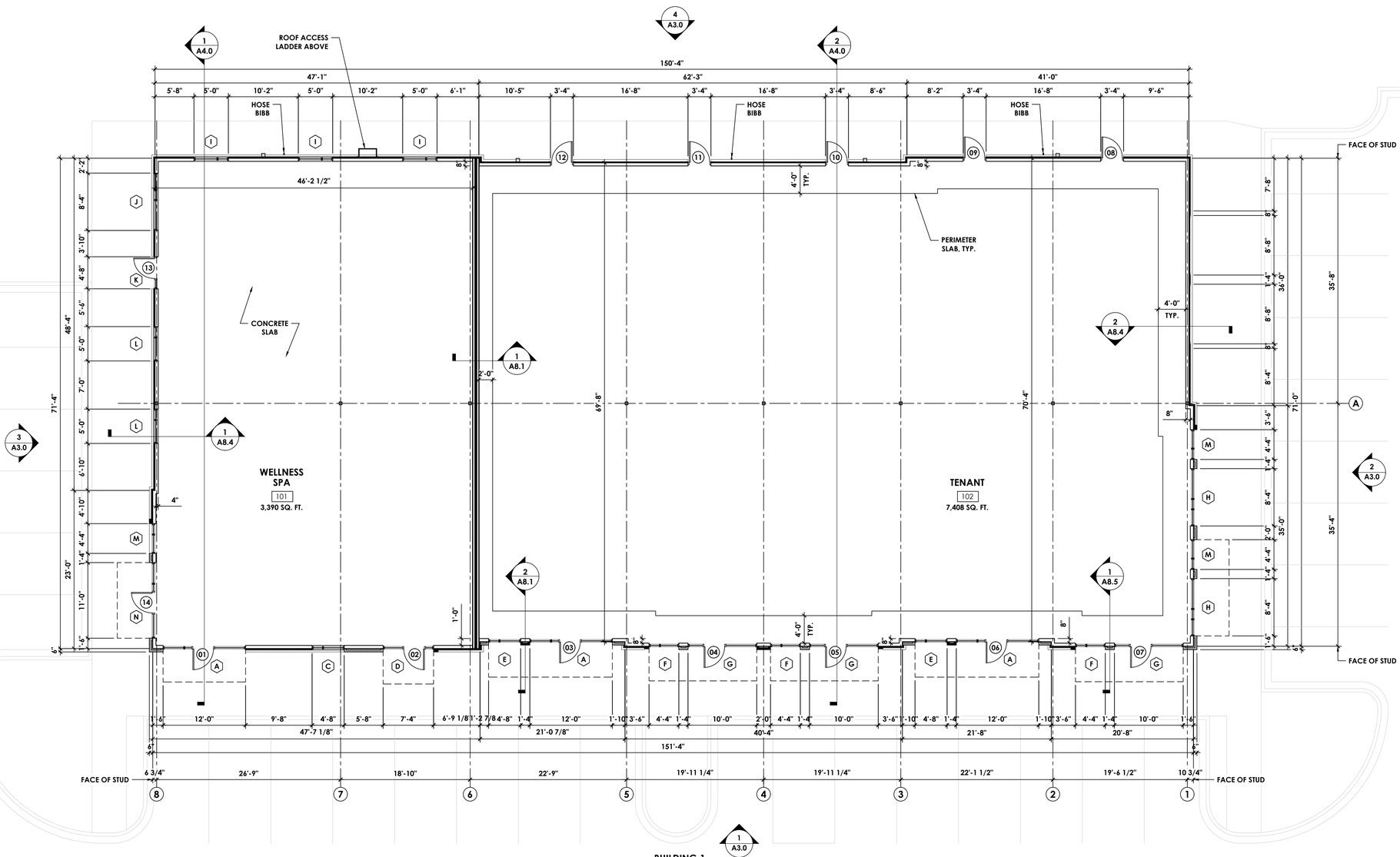
ACCESSIBILITY NOTES & DIAGRAMS

A0.43

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 ACCESSIBILITY NOTES.DWG

PLAN NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE. G.C. SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK. NOTIFY THE ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS BEFORE COMMENCING WORK.
2. REFER TO CIVIL DRAWINGS FOR FINISHED FLOOR ELEVATIONS.
3. FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE COMMENCEMENT OF WORK.
4. FIELD VERIFY AND COORDINATE LOCATIONS OF PLUMBING PENETRATIONS PRIOR TO COMMENCING WORK.
5. PROVIDE PRESSURE TREATED SILL PLATES WITH SILL SEALER AT ALL GROUND FLOOR WALLS.
6. PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING WITH GRADE A MINIMUM OF 8" BELOW FINISHED FLOOR SLAB ELEVATION.
7. PROVIDE NON-FREEZE HOSE BIBBS - SEE PLUMBING DRAWINGS FOR LOCATIONS.
8. SEE REFLECTED CEILING PLANS FOR LIGHTING INFORMATION.
9. SEE ELEVATIONS, WALL SECTIONS, AND PLAN DETAILS FOR ADDITIONAL INFORMATION ON WALL COMPOSITION.
10. SEE STOREFRONT SCHEDULE FOR MORE INFORMATION ON SOLARBAN 67 GLASS.



1 FLOOR PLAN
Scale: 1/8" = 1'-0"

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

TERRY GRAY FINLEY REGISTERED ARCHITECT 9629 7/3/24 DURHAM, N.C.

FINLEY DESIGN, P.A. LICENSED ARCHITECTURAL CORPORATION NORTH CAROLINA 51513 DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

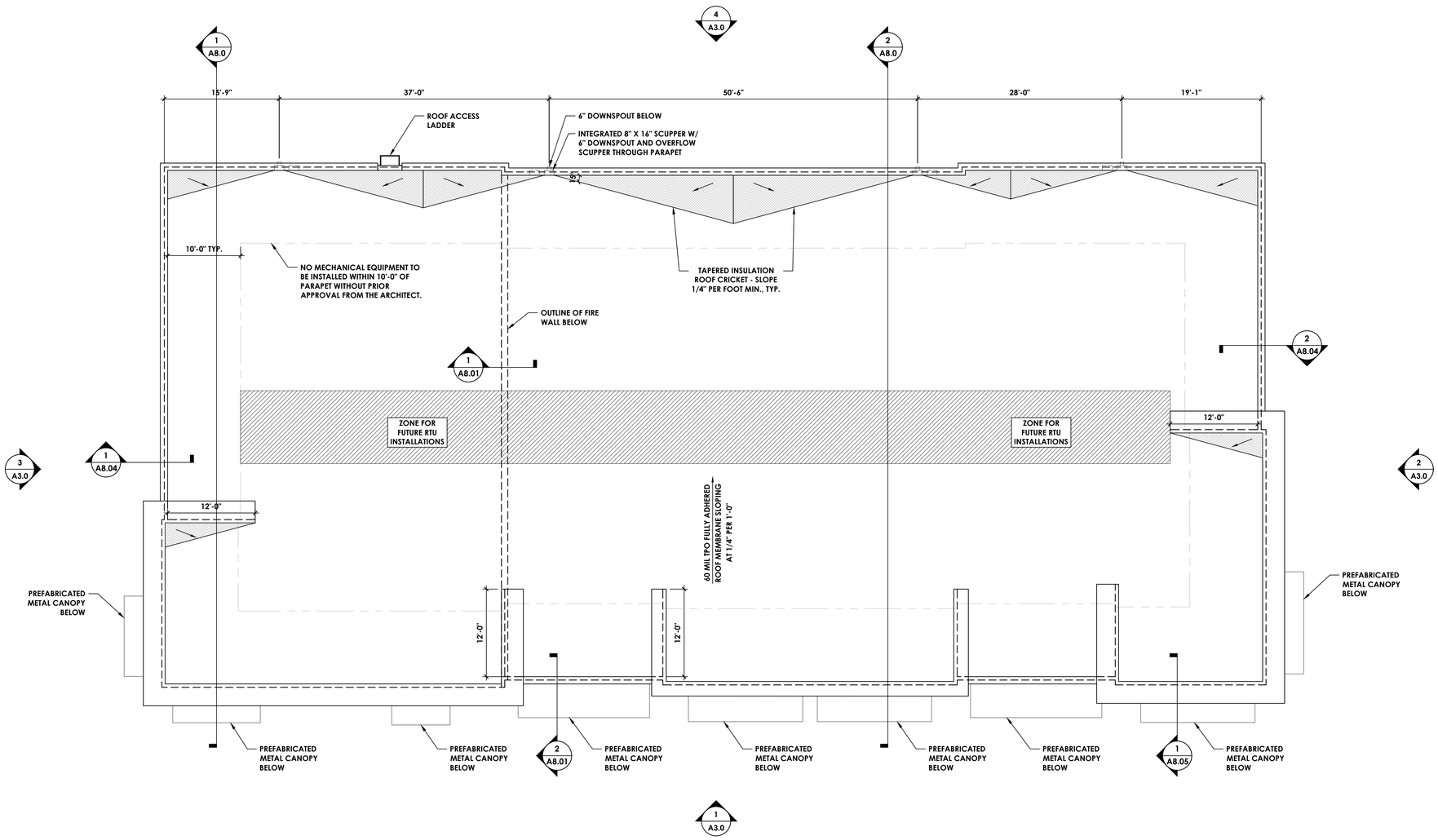
REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

FLOOR PLAN

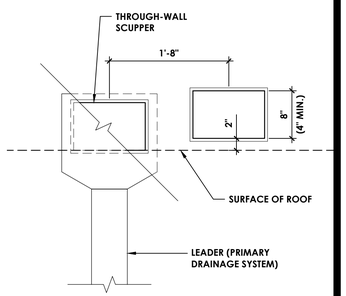
A1.0

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 PLANS.DWG



1 ROOF PLAN

Scale: 1/8" = 1'-0"



2 LEADER & SCUPPER DETAIL

Scale: 1" = 1'-0"

SYMBOL LEGEND

1 / A8.1 — WALL SECTION KEY

2 / A3.0 — EXTERIOR ELEVATION KEY

ROOF NOTES

1. SEE ELEVATIONS AND WALL SECTIONS FOR ROOF ELEMENTS NOT SHOWN ON THIS DRAWING.
2. ROOFING MEMBRANE TO BE SINGLE-PLY TPO 60 MIL, FULLY ADHERED.
3. ROOFING MEMBRANE WARRANTY TO BE A MINIMUM OF 15 YEARS.
4. ROOFING WORKMANSHIP WARRANTY TO BE A MINIMUM OF 5 YEARS AND GUARANTEED BY GENERAL CONTRACTOR.
5. ALL SEAMS SHALL BE HEAT WELDED PER ROOFING MEMBRANE MANUFACTURER STANDARDS.
6. ROOFING CONTRACTOR TO PROVIDE ALL METAL FLASHING, INCLUDING AREAS SHOWN ONLY IN ELEVATION AND NOT ON ROOF PLAN.
7. METAL COPING ASSEMBLY TO BE 24 GA. PREFINISHED SENTRICLAD OR APPROVED EQUAL.
8. PROVIDE SUBMITTAL OF ROOFING MATERIAL AND ACCESSORIES FOR ARCHITECT APPROVAL.
9. SEE FLOOR PLAN FOR AWNING LOCATIONS.

ROOF DRAINAGE CALCULATION

HORIZONTAL PROJECTED ROOF AREA - 11,228 SQ. FT.

RAINFALL RATE - 4" (FIGURE 1106.1)

PRIMARY CONDUCTOR AND LEADERS MINIMUM SIZE - 3-1/2" X 6" (TABLE 1106.2(2) FOR AN AREA OF 21 SQUARE INCHES. 6"X6" IS PROVIDED FOR AN AREA OF 36 SQUARE INCHES AND INDICATED AT 3 POINTS ON THE BUILDING AS SHOWN ON PLAN.

SECONDARY (EMERGENCY) ROOF DRAINAGE CALCULATES TO 3,359.65 GALLONS PER MINUTE (11,228 SQ. FT. X .04 FEET PER MINUTE (BASED ON 7.2 INCHES PER 15 MINUTES / 12 INCHES PER FOOT) MULTIPLIED BY 7.48051948 GALLONS PER CUBIC FOOT OF WATER)

THE 8"X16" SCUPPER INDICATED, ACCOMMODATES 1,085.02 GALLONS PER MINUTE. 3 SCUPPERS ARE INDICATED ON THE PLAN FOR A TOTAL FLOW OF 3,255 GALLONS PER MINUTE. NO ADDITIONAL OVERFLOW OPENINGS ARE REQUIRED.

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

TERRY GRAY FINLEY — REGISTERED ARCHITECT — 9629 — 7/3/24 — DURHAM, N.C.

FINLEY DESIGN, P.A. — LICENSED ARCHITECTURAL CORPORATION — 51513 — NORTH CAROLINA — DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

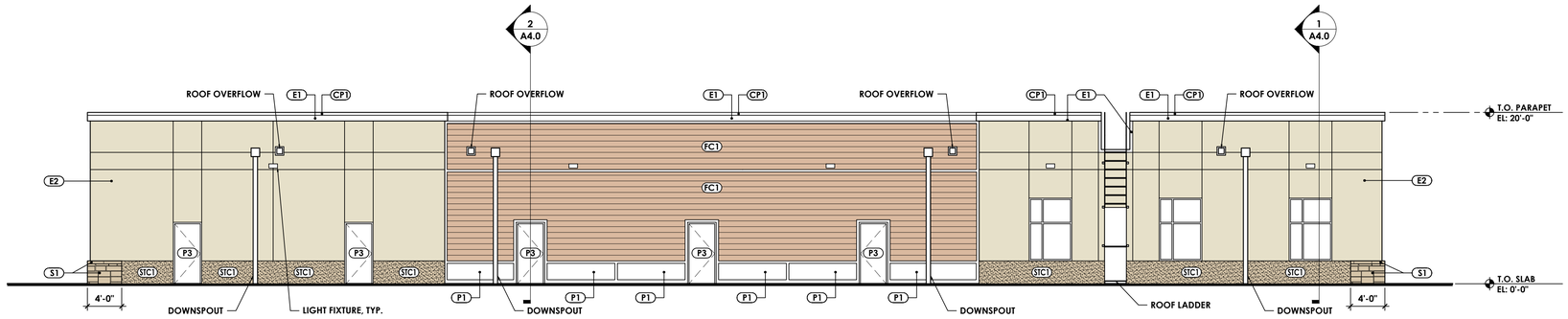
REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

ROOF PLAN

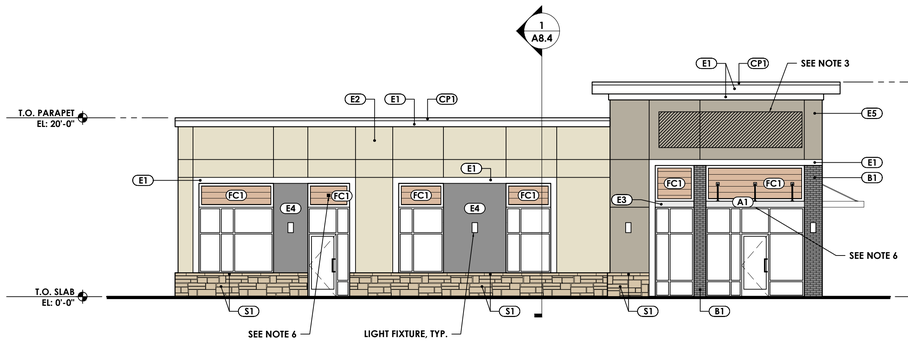
A2.0

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 ROOF PLAN.DWG



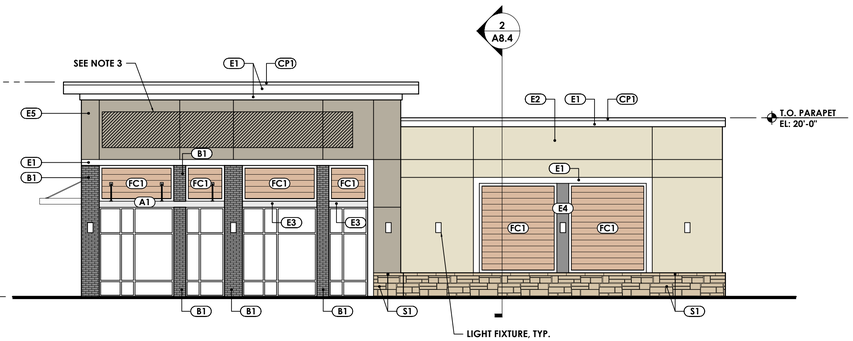
4 REAR ELEVATION

Scale: 1/8" = 1'-0"



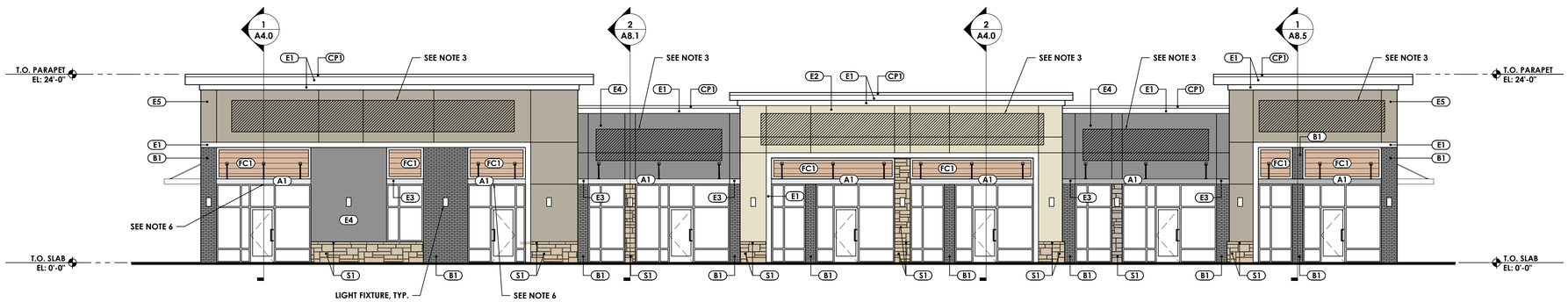
3 LEFT ELEVATION

Scale: 1/8" = 1'-0"



2 RIGHT ELEVATION

Scale: 1/8" = 1'-0"



1 FRONT ELEVATION

Scale: 1/8" = 1'-0"

MATERIAL LEGEND

- B1 **BRICK -** BLACK **MORTAR** - STANDARD GRAY
- E1 **EIFS -** WHITE
- E2 **EIFS -** BEIGE
- E3 **EIFS -** GRAY
- E4 **EIFS -** BLACK
- E5 **EIFS -** BROWN
- FC1 **FIBER CEMENT SIDING -** BROWN LAP
- S1 **STONE -** TAN/BROWN **MORTAR** - STANDARD GRAY
- STC1 **STUCCO -** TAN/BROWN
- P1 **PAINT -** WHITE
- P3 **PAINT -** GRAY
- A1 **METAL AWNING -** SILVER
- CP1 **METAL COPING -** WHITE

ELEVATION NOTES

1. DO NOT SCALE ELEVATIONS. REFERENCE PLAN AND WALL SECTIONS FOR MORE INFORMATION.
2. PARAPET RETURNS SHALL HAVE MATCHING FINISH, COLOR AND REVEALS TO THE FRONT OF THE PARAPET FROM WHICH THEY RETURN, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
3. AREAS HATCHED INDICATE 5/8" FIRE TREATED PLYWOOD FOR SIGNAGE MOUNTING, TYPICAL. CONFIRM FINAL LOCATIONS WITH INITIAL TENANTS OCCUPYING SHELL BUILDING.
4. ALL TRIM TO BE PAINTED P1 UNLESS NOTED OTHERWISE.
5. SEE FINISH SCHEDULE FOR MORE INFORMATION.
6. GC TO INSTALL JUNCTION BOX AND CONDUIT FOR FUTURE SECURITY CAMERA INSTALLATION.

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

KERRY GRAY FINLEY
REGISTERED ARCHITECT
9629
7/3/24
DURHAM, N.C.

FINLEY DESIGN, P.A.
51513
NORTH CAROLINA
DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

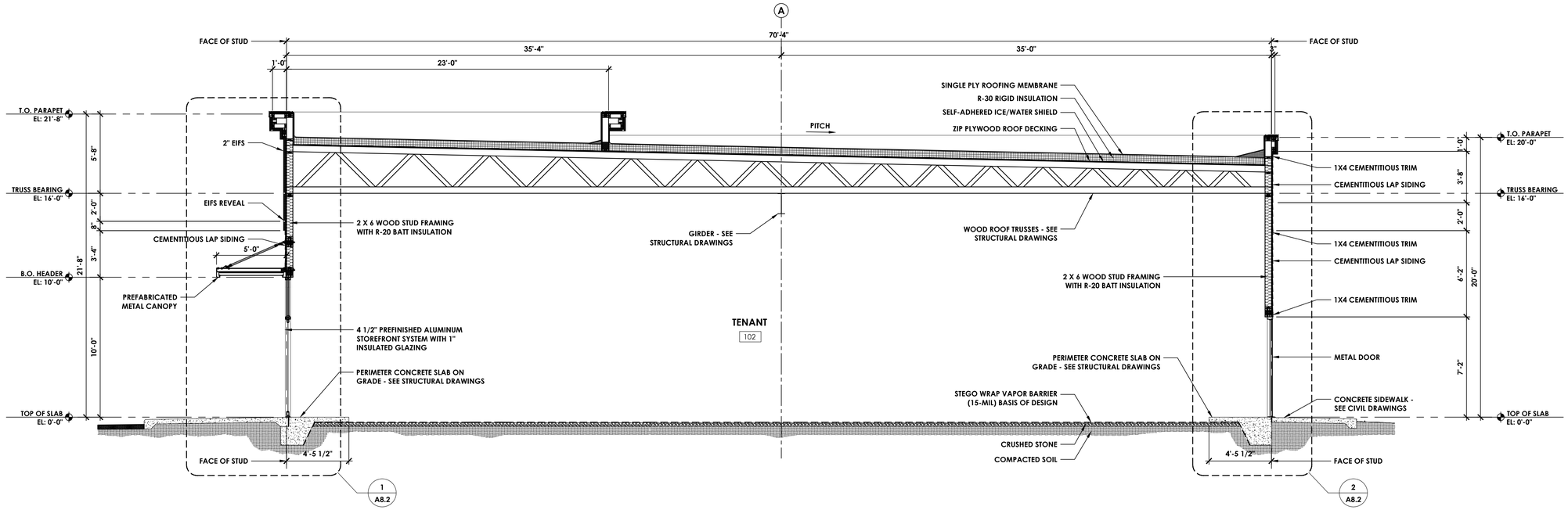
REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

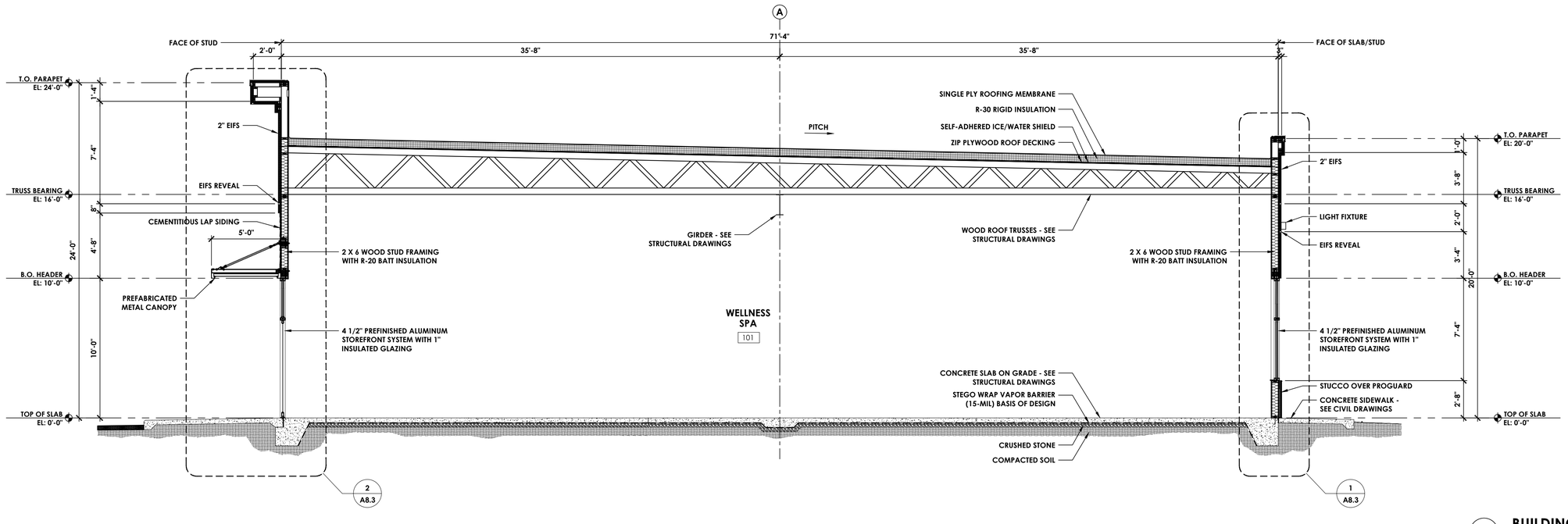
EXTERIOR ELEVATIONS

A3.0

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 ELEVATIONS.DWG



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



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

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

KERR GRAY FINLEY REGISTERED ARCHITECT 9629 7/3/24 DURHAM, N.C.

FINLEY DESIGN, P.A. LICENSED ARCHITECTURAL CORPORATION 51513 NORTH CAROLINA DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

1	OWNER/PERMIT MM-DD-YY

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

BUILDING SECTIONS

A4.0

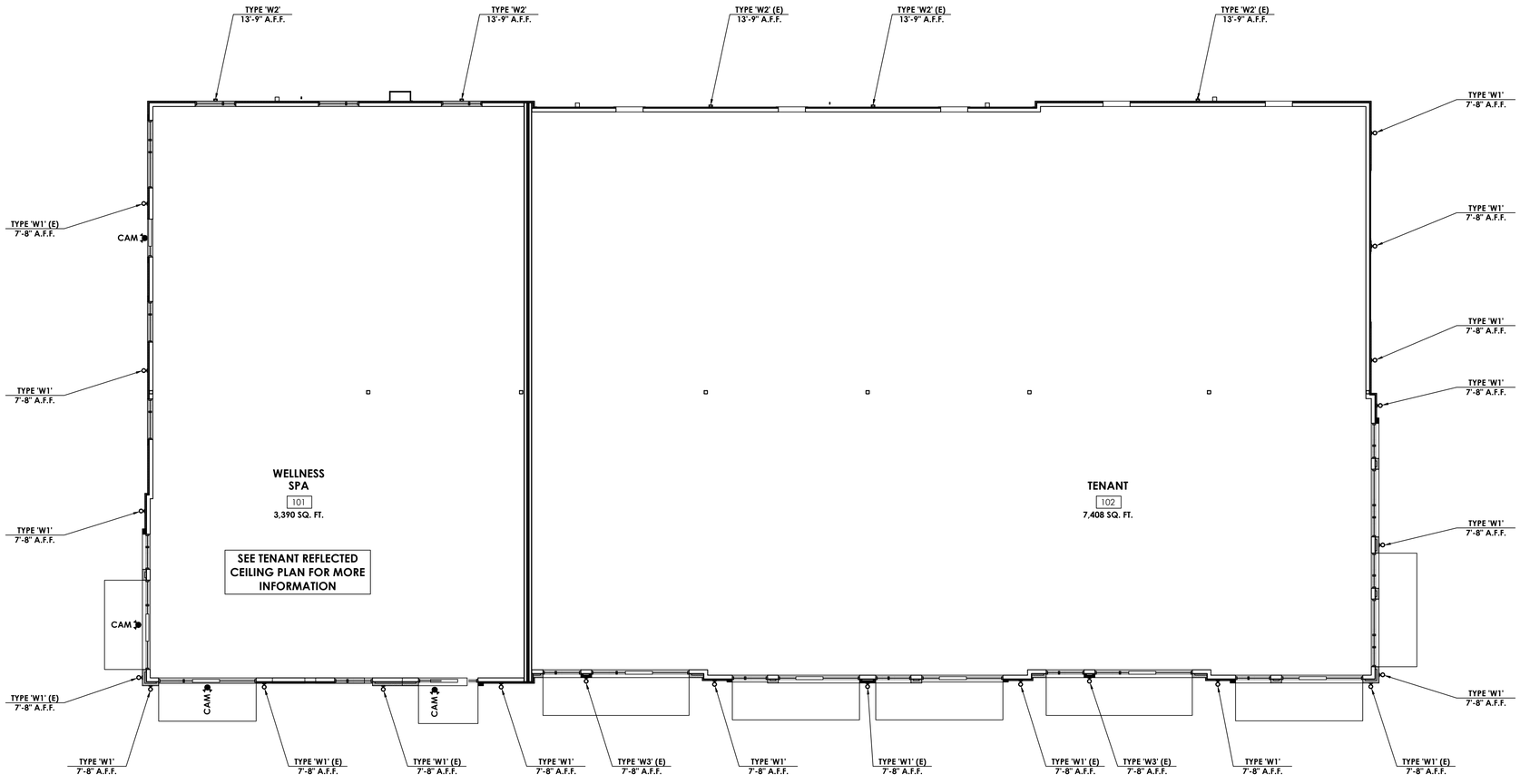
/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 BUILDING SECTIONS.DWG

EXTERIOR FIXTURES

ō	**LIGHT FIXTURE TYPE - W1** WALL UP/DOWN - WAC LIGHTING - CALIBER - WS-W36614-AL
▫	**LIGHT FIXTURE TYPE - W2** WALL DOWN - WAC LIGHTING - RUBIX WALL MOUNT 3000K - WS-W2509-AL
ō	**LIGHT FIXTURE TYPE - W3** WALL DOWN - WAC LIGHTING - CALIBER - WS-W36610-AL
CAM	**FIXTURE TYPE - CAM** SECURITY CAMERA CONDUIT AND JUNCTION BOX - CAMERA TO BE PROVIDED AND INSTALLED BY OWNER

RCP NOTES

1.	LIGHT FIXTURES TO BE CENTERED ON SECTION OF WALL INDICATED UNLESS NOTED OTHERWISE.
2.	ELEVATIONS PROVIDED ARE TO CENTERLINE OF FIXTURE.
3.	FIXTURES WITH (E) DESIGNATION TO BE ON EMERGENCY CIRCUIT WITH BATTERY BACKUP.
4.	REFERENCE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
5.	FOR AWNING LOCATIONS, SEE FLOOR PLAN.



BUILDING 1
--
10,799 SQ. FT.

1 **REFLECTED CEILING PLAN**
Scale: 1/8" = 1'-0"

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

TERRY GRAY FINLEY
REGISTERED ARCHITECT
9629
7/3/24
DURHAM, N.C.

FINLEY DESIGN, P.A.
LICENSED ARCHITECTURAL CORPORATION
51513
NORTH CAROLINA
DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

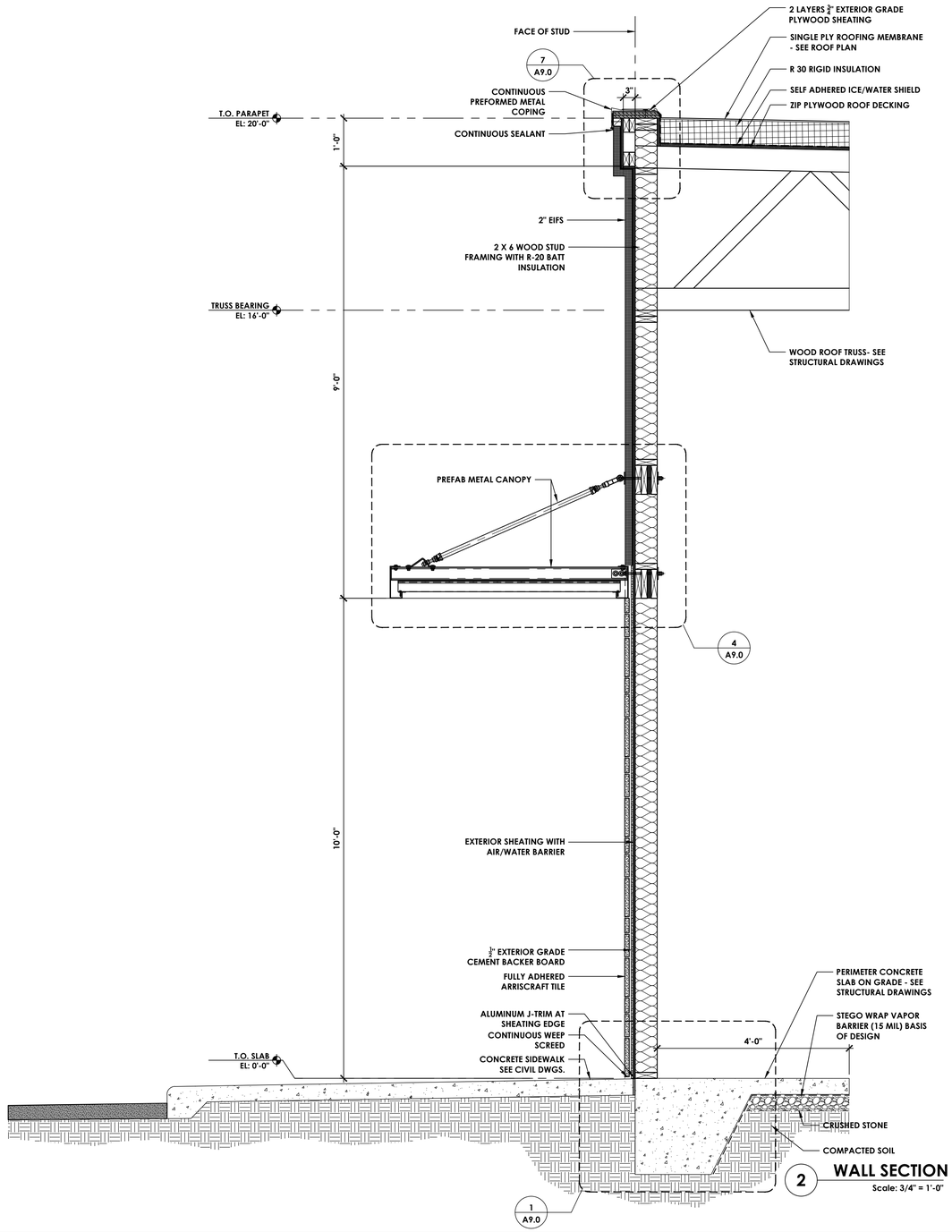
REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

REFLECTED CEILING PLAN

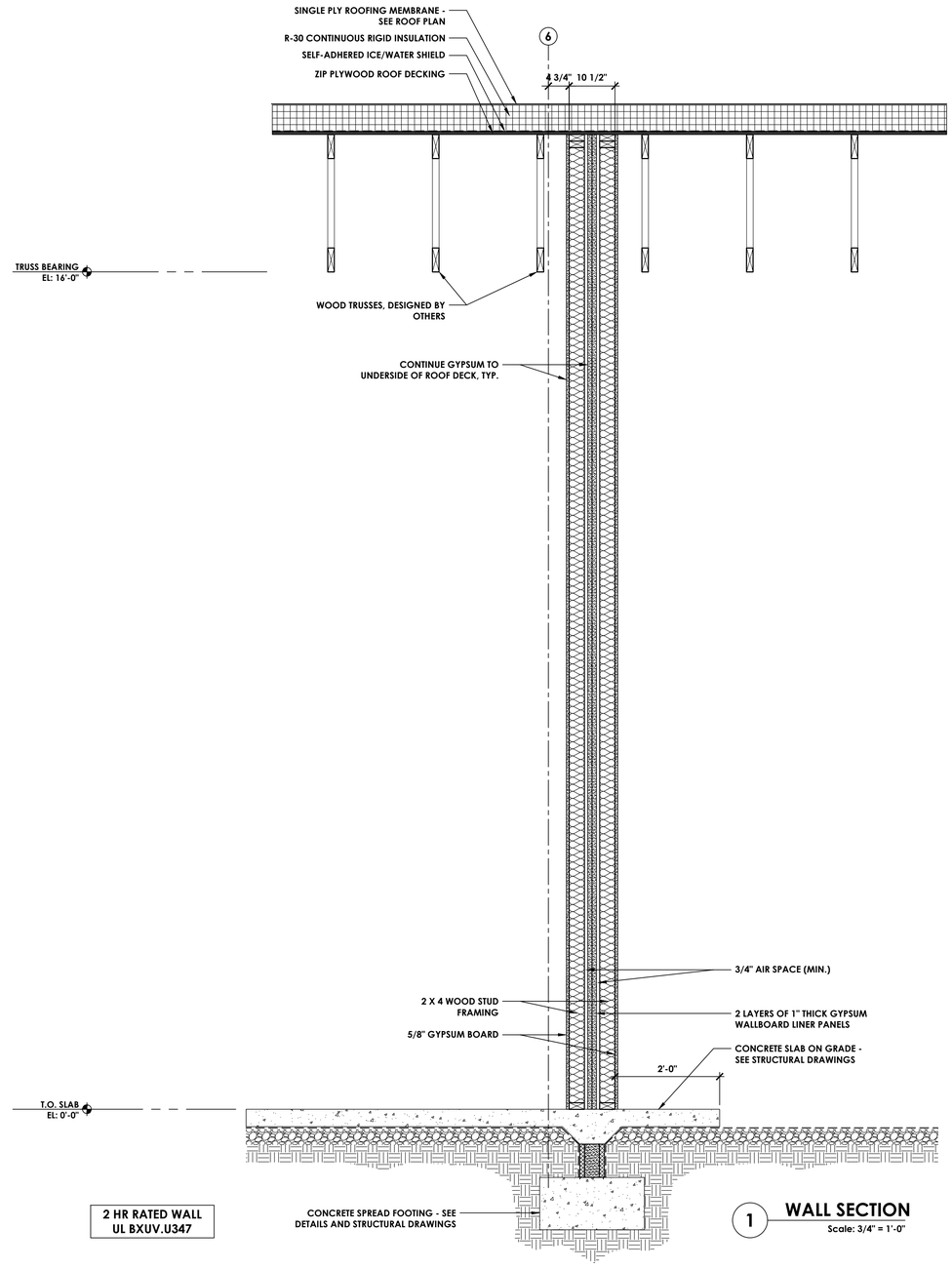
A6.0

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 RCP.DWG



2 WALL SECTION

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



2 HR RATED WALL
UL BXUV.U347

1 WALL SECTION

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

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

TERRY GRAY FINLEY
REGISTERED ARCHITECT
9629
7/3/24
DURHAM, N.C.

FINLEY DESIGN, P.A.
REGISTERED ARCHITECTURAL CORPORATION
51513
NORTH CAROLINA
DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

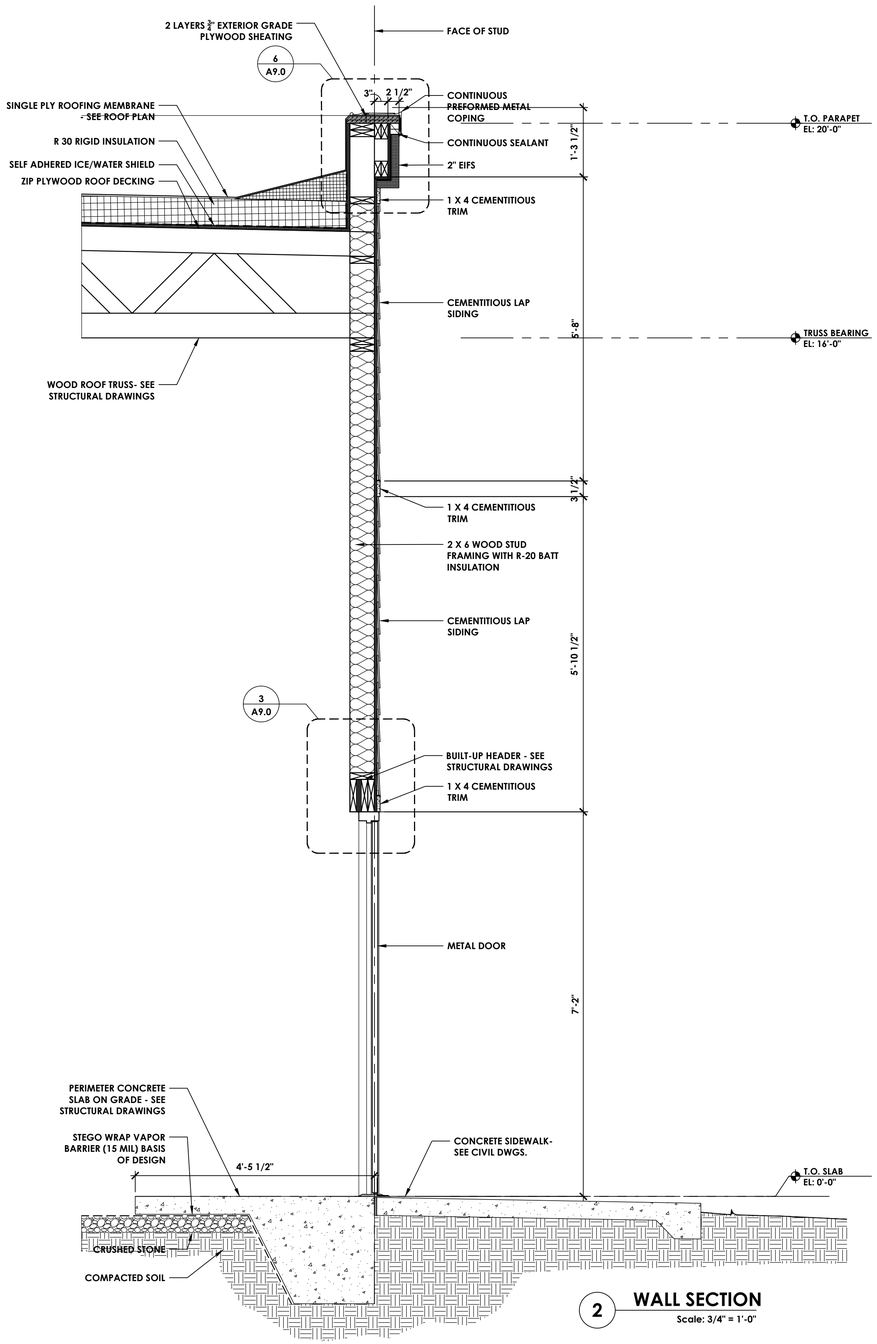
1	OWNER/PERMIT MM-DD-YY

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

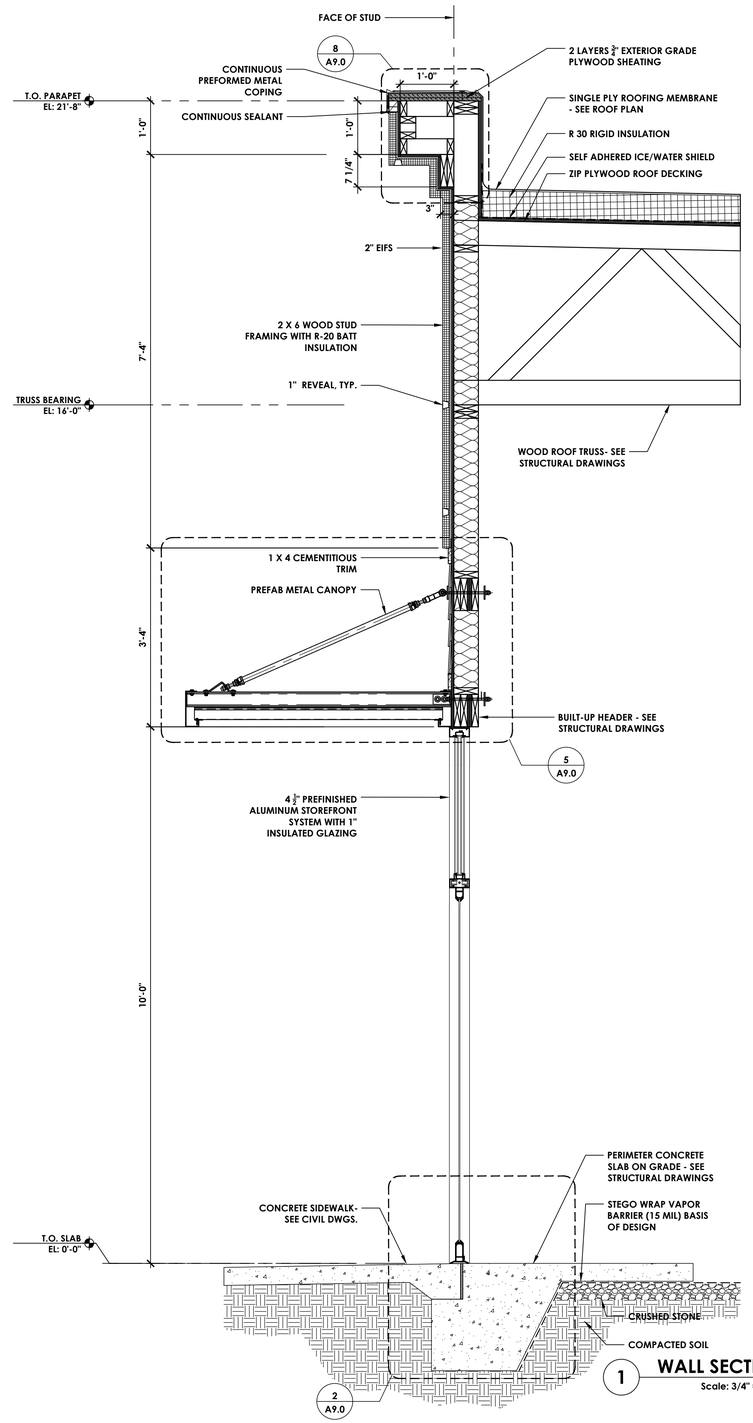
WALL SECTIONS

A8.1

/USERS/SHARED/FINLEY DESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 WALL SECTIONS.DWG

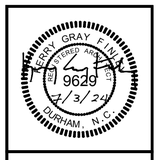


2 WALL SECTION
Scale: 3/4" = 1'-0"



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

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM



ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

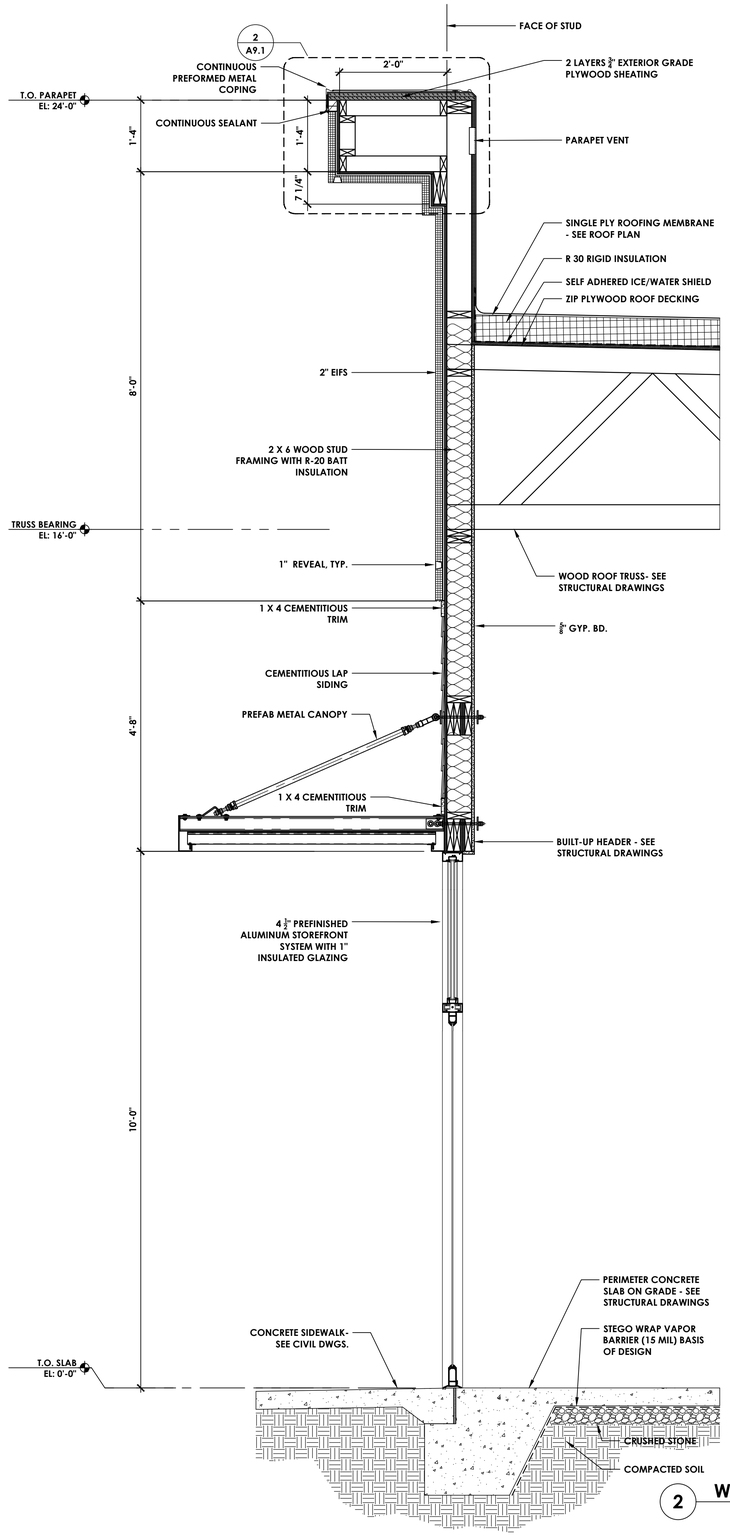
1	OWNER/PERMIT MM-DD-YY

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

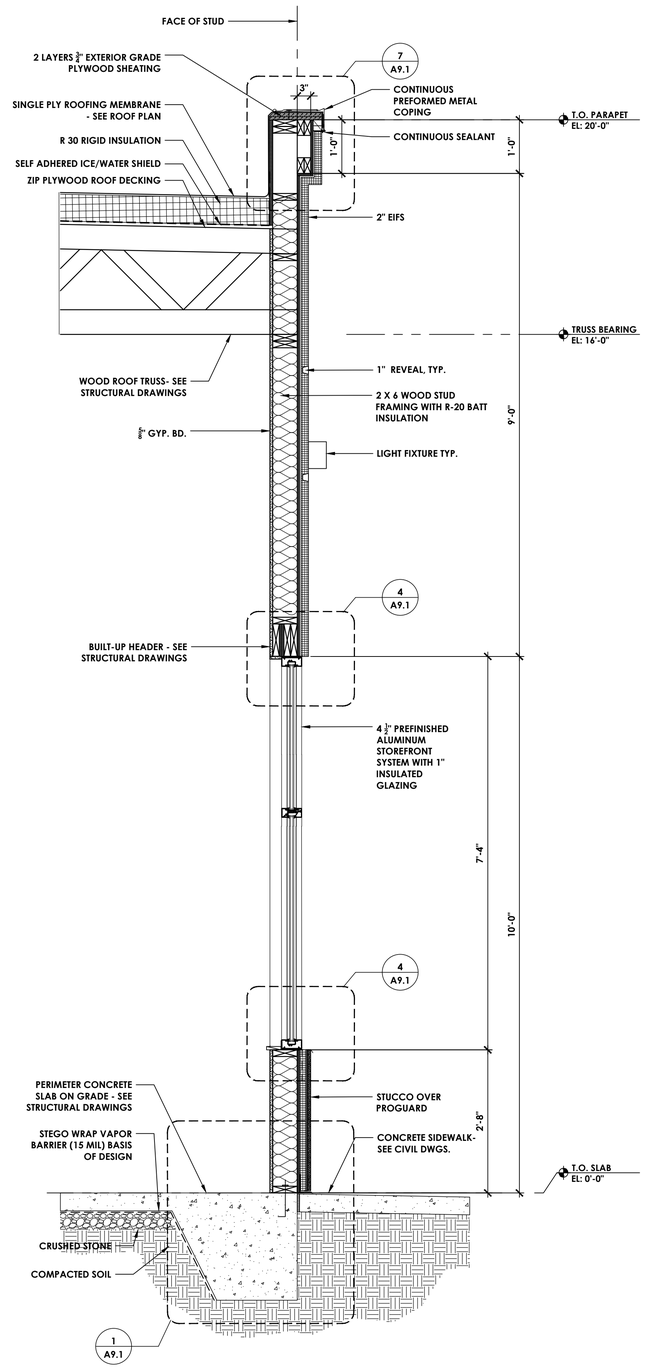
WALL SECTIONS

A8.2

/USERS/SHARED/FINLEY DESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 WALL SECTIONS.DWG



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



1 **WALL SECTION**
Scale: 3/4" = 1'-0"

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

KERN GRAY FINLEY
REGISTERED ARCHITECT
9629
7/3/24
DURHAM, N.C.

FINLEY DESIGN, P.A.
LICENSED ARCHITECTURAL CORPORATION
51513
NORTH CAROLINA
DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

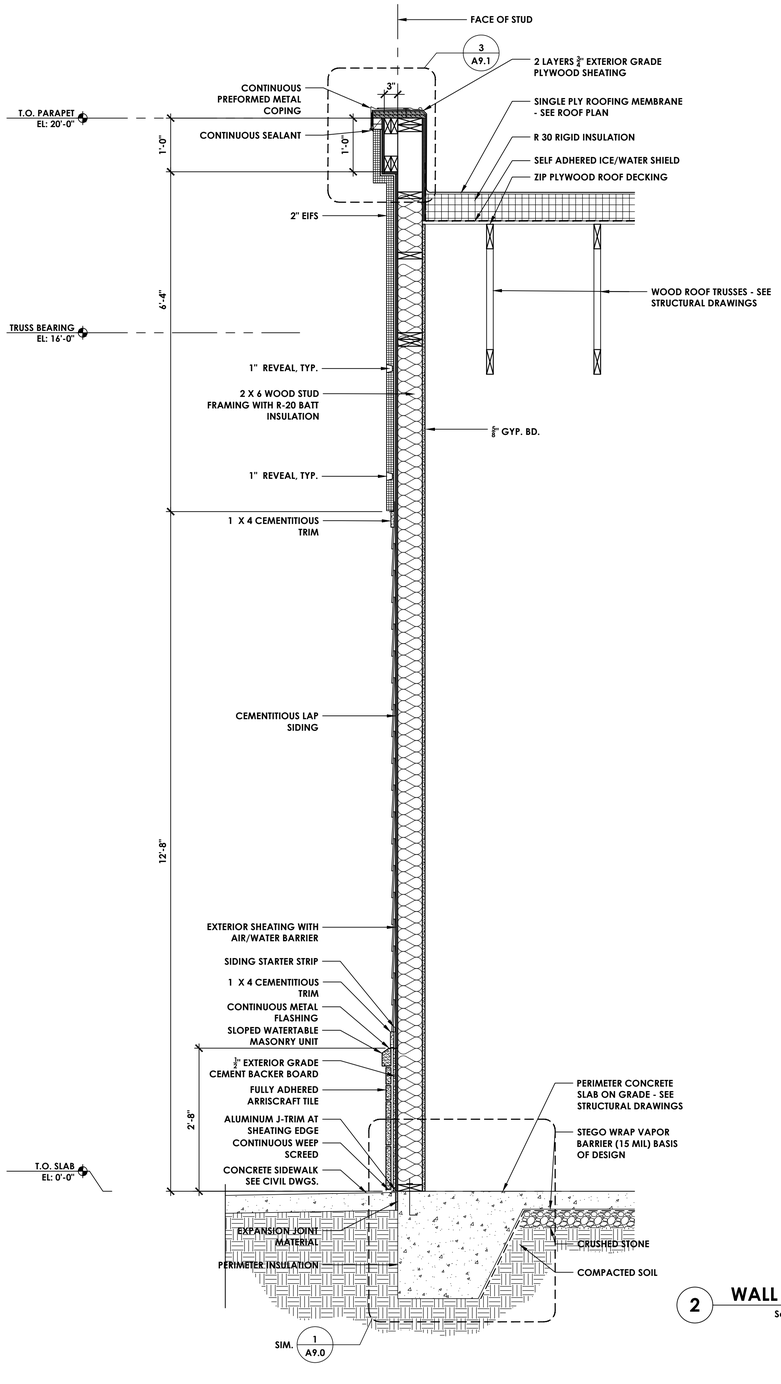
1	OWNER/PERMIT MM-DD-YY

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

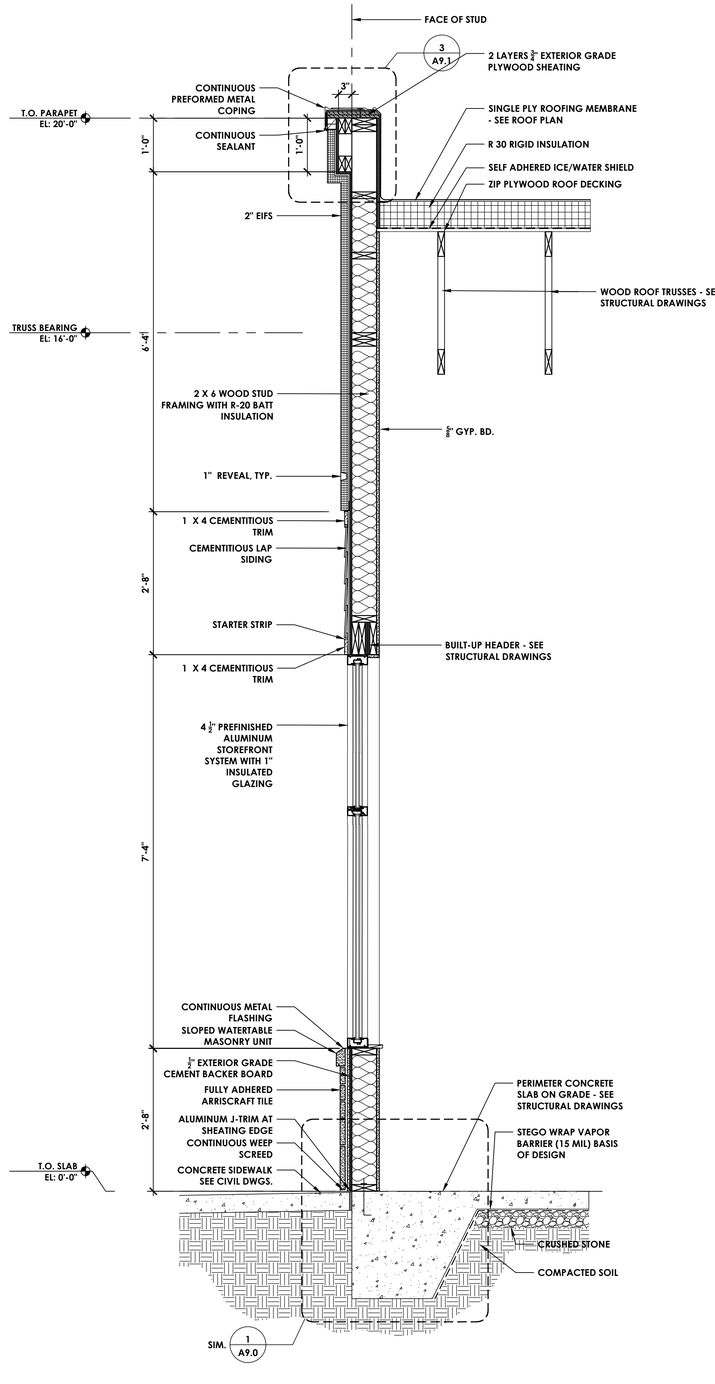
WALL SECTIONS

A8.3

/USERS/SHARED/FINLEY DESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 WALL SECTIONS.DWG



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



1 **WALL SECTION**
Scale: 3/4" = 1'-0"

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

KERR GRAY FINLEY REGISTERED ARCHITECT 9629 7/3/24 DURHAM, N.C.

FINLEY DESIGN, P.A. LICENSED ARCHITECTURAL CORPORATION 51513 NORTH CAROLINA DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

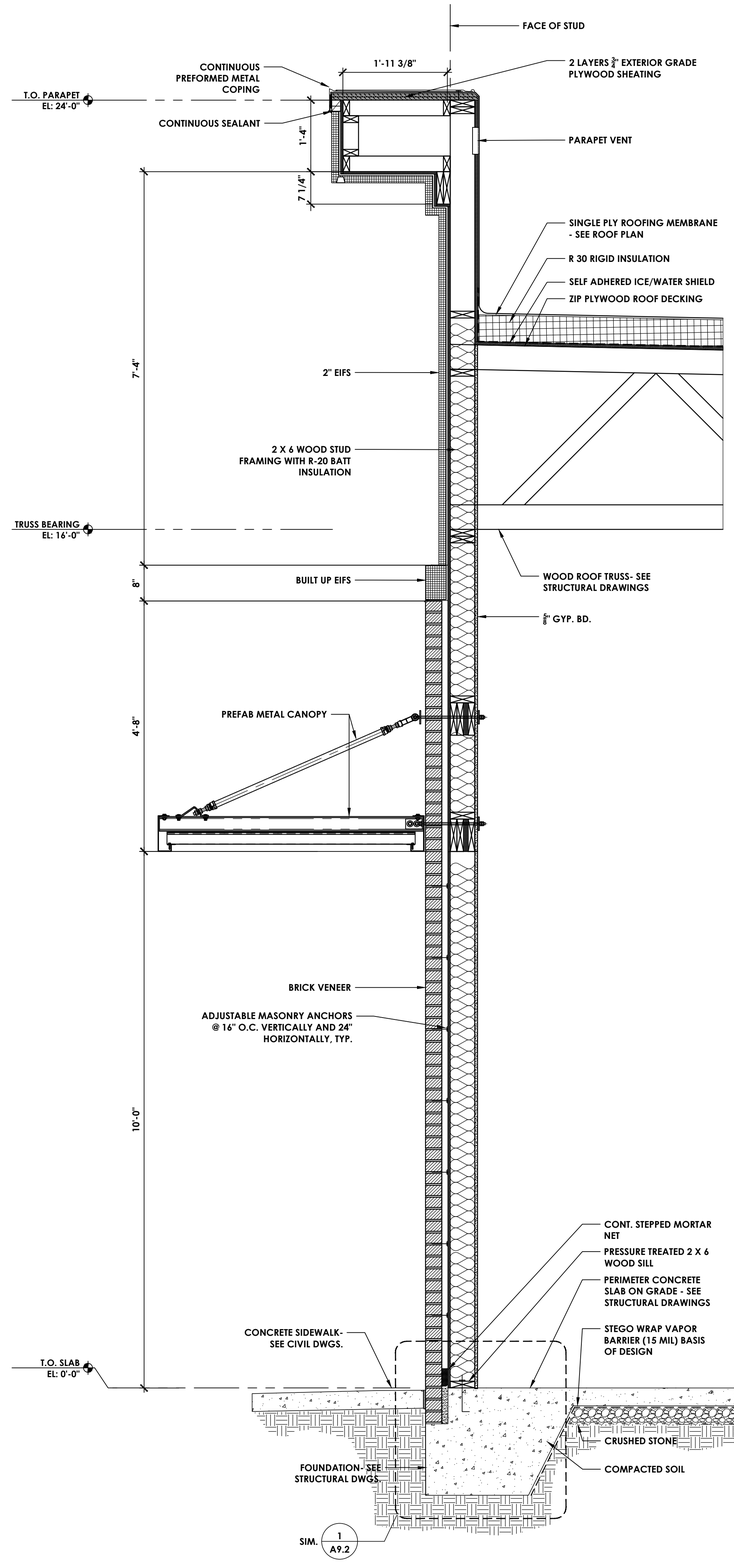
1	OWNER/PERMIT MM-DD-YY

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

WALL SECTIONS

A8.4

/USERS/SHARED/FINLEY DESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 WALL SECTIONS.DWG



1 **WALL SECTION**
Scale: 3/4" = 1'-0"

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

KERN GRAY FINLEY REGISTERED ARCHITECT 9629 7/3/24 DURHAM, N.C.

FINLEY DESIGN, P.A. LICENSED ARCHITECTURAL CORPORATION 51513 NORTH CAROLINA DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

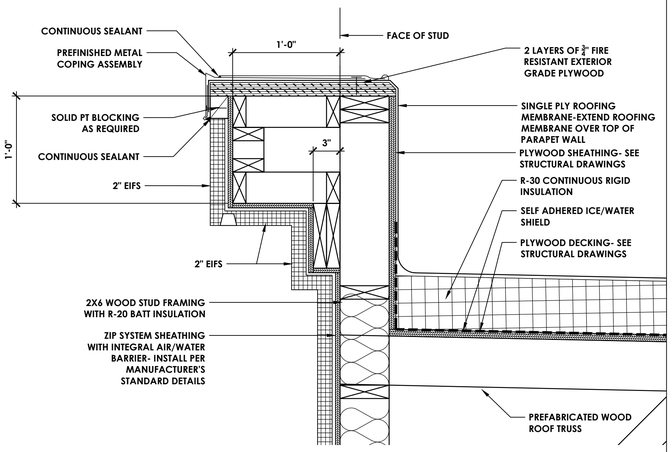
1	OWNER/PERMIT MM-DD-YY

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

WALL SECTIONS

A8.5

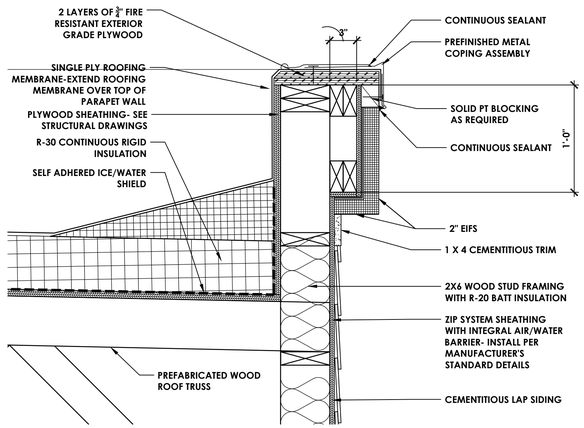
/USERS/SHARED/FINLEY DESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 WALL SECTIONS.DWG



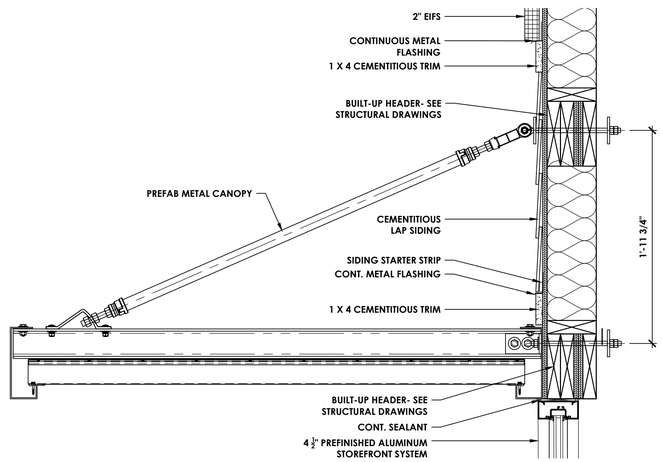
9 **SECTION DETAIL**
Scale: 1-1/2" = 1'-0"

8 **SECTION DETAIL**
Scale: 1-1/2" = 1'-0"

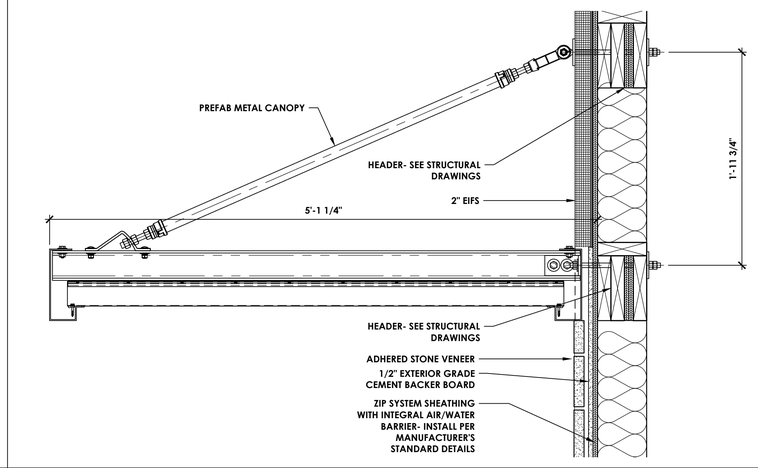
7 **SECTION DETAIL**
Scale: 1-1/2" = 1'-0"



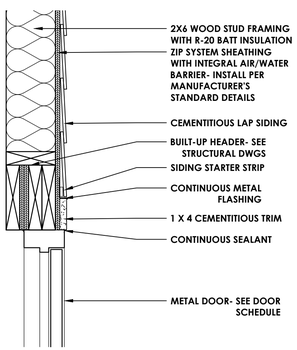
6 **SECTION DETAIL**
Scale: 1-1/2" = 1'-0"



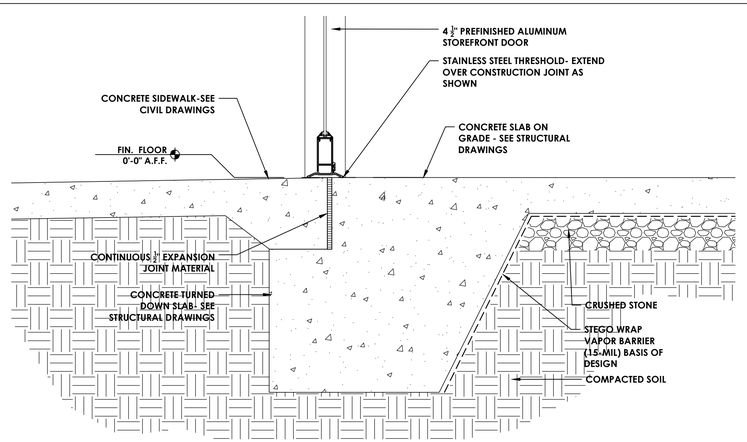
5 **SECTION DETAIL**
Scale: 1-1/2" = 1'-0"



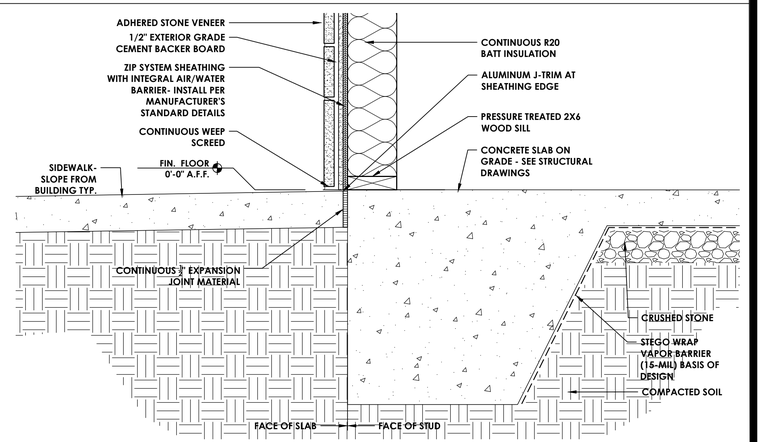
4 **SECTION DETAIL**
Scale: 1-1/2" = 1'-0"



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



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



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

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

JERRY GRAY, FINLEY
REGISTERED ARCHITECT
9629
7/3/24
DURHAM, N.C.

FINLEY DESIGN, P.A.
PROFESSIONAL ARCHITECTURAL CORPORATION
51513
NORTH CAROLINA
DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

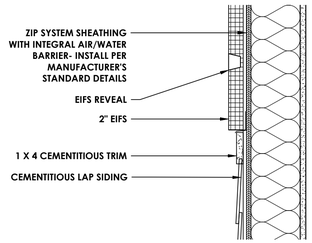
REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

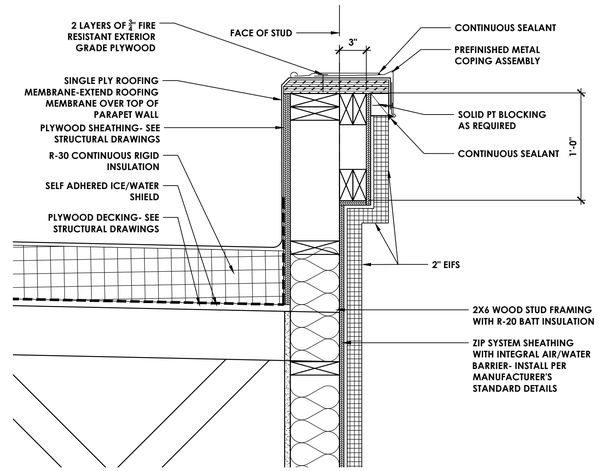
SECTION DETAILS

A9.0

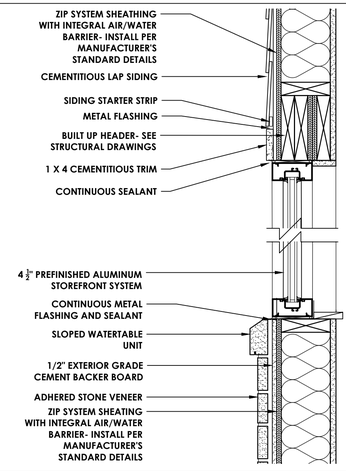
/USERS/SHARED/FINLEY DESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 SECTION DETAILS.DWG



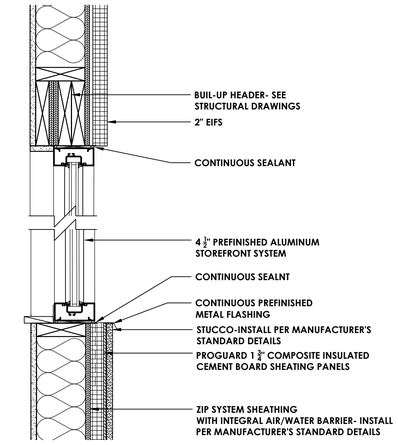
7 SECTION DETAIL
Scale: 1-1/2" = 1'-0"



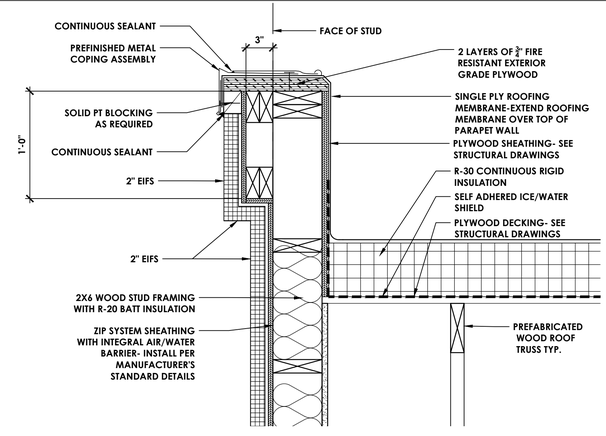
6 SECTION DETAIL
Scale: 1-1/2" = 1'-0"



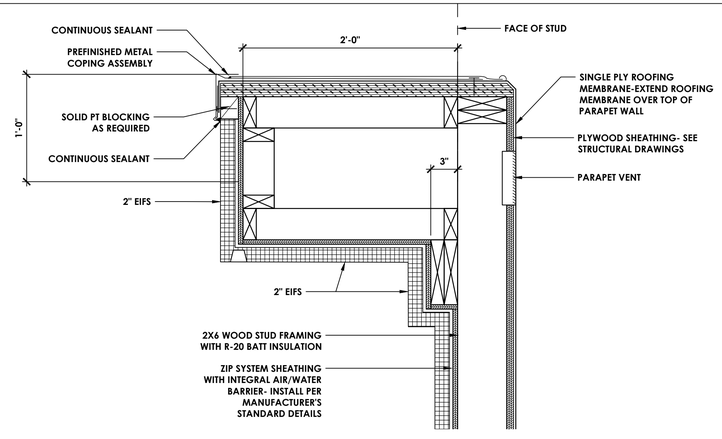
5 SECTION DETAIL
Scale: 1-1/2" = 1'-0"



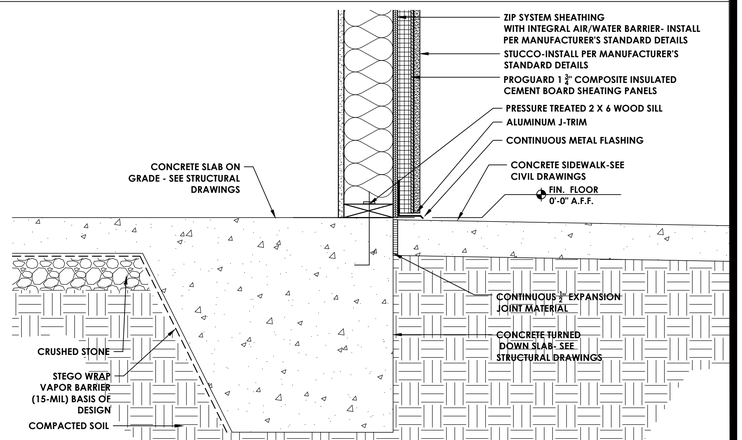
4 SECTION DETAIL
Scale: 1-1/2" = 1'-0"



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



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



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

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

JERRY GRAY FINLEY
REGISTERED ARCHITECT
9629
7/3/24
DURHAM, N.C.

FINLEY DESIGN, P.A.
REGISTERED ARCHITECTURAL CORPORATION
51513
NORTH CAROLINA
DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

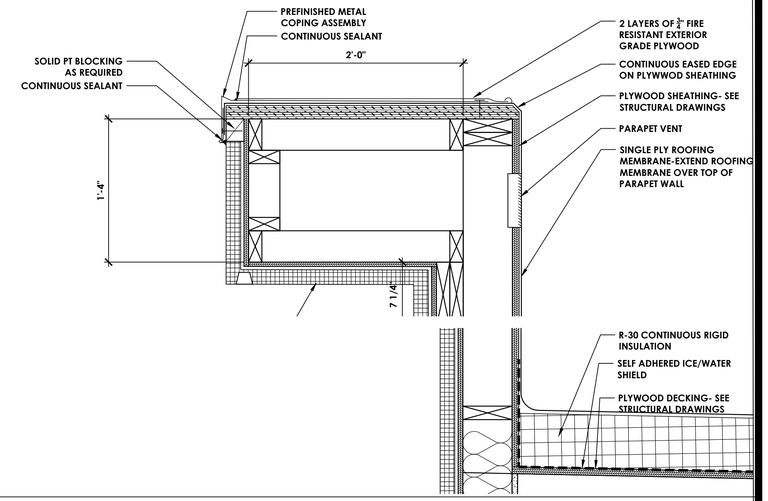
REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

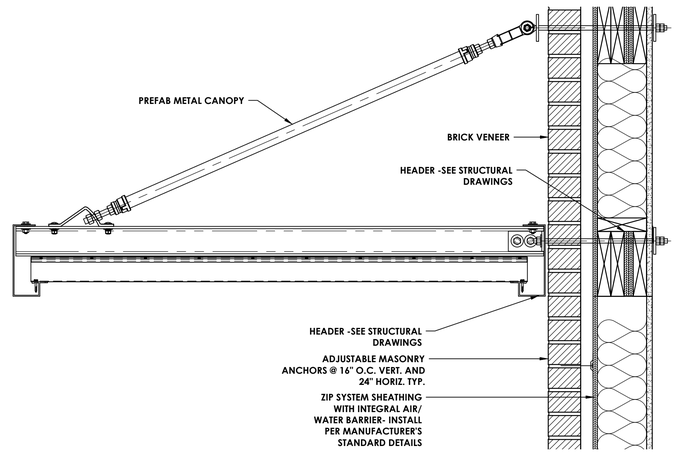
SECTION DETAILS

A9.1

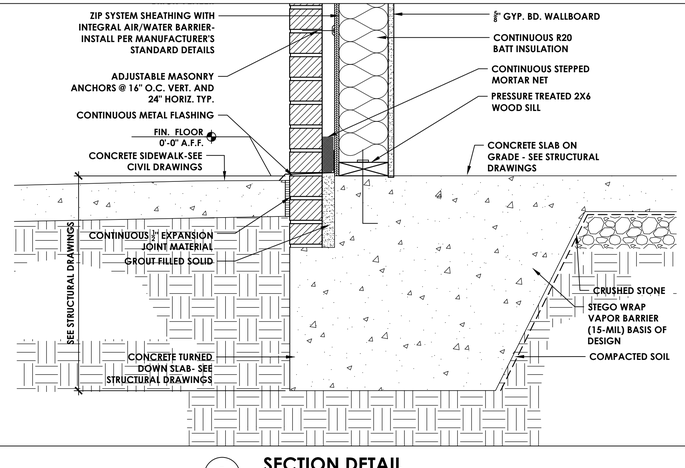
/USERS/SHARED/FINLEY DESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 SECTION DETAILS.DWG



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



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



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

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

TERRY GRAY FINLEY
REGISTERED ARCHITECT
9629
7/3/24
DURHAM, N.C.

FINLEY DESIGN, P.A.
51513
NORTH CAROLINA
DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

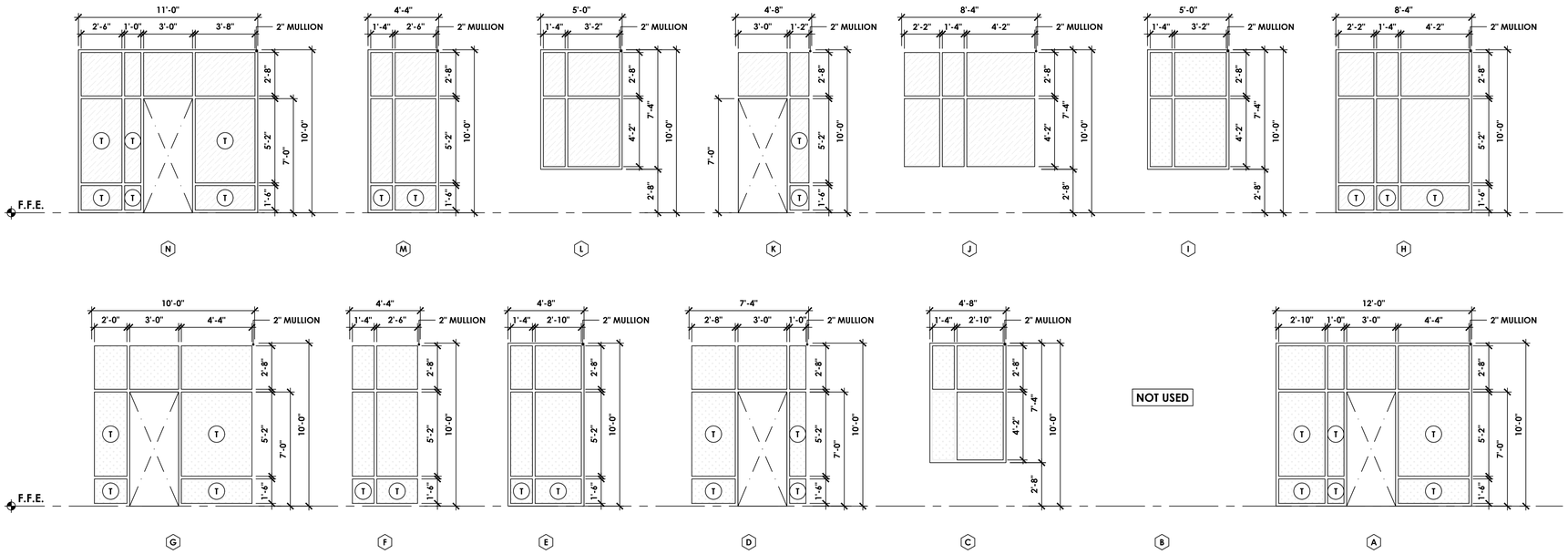
REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

SECTION DETAILS

A9.2

/USERS/SHARED/FINLEY DESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 SECTION DETAILS.DWG



1 **ALUMINUM STOREFRONT ELEVATIONS**
Scale: 1/4" = 1'-0"

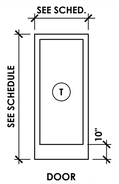
STOREFRONT NOTES

1. EXTERIOR ALUMINUM STOREFRONT TO BE KAWNEER 451T OR EQUAL. GLASS TO BE EITHER LOW E CLEAR, 1" INSULATED GLASS SOLARBAN 60, OR LOW E CLEAR SOLARBAN 67, OR EQUAL. TEMPER GLASS WHERE NOTED.
2. ARCHITECT TO SELECT ALUMINUM STOREFRONT FINISH FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS.
3. EXTERIOR STOREFRONT COLOR TO BE AS1.

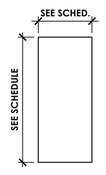
LEGEND

(T)	TEMPERED SAFETY GLASS
(F)	TRANSLUCENT FILM APPLIED TO INTERIOR FACE OF GLASS
	SOLARBAN 67 CLEAR + CLEAR (VLT 54, 0.29-0.24 U-VALUE, 0.29 SHGC) GLASS
	SOLARBAN 60 (2) CLEAR + CLEAR (VLT 70, 0.29-0.24 U-VALUE, 0.39 SHGC) GLASS

DOOR TYPES

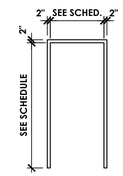


DOOR (MEDIUM STILE) TYPE A



DOOR TYPE B

FRAME TYPES



FRAME TYPE A

DOOR NOTES

1. HARDWARE INSTALLER TO GENERATE HARDWARE AND KEYING SCHEDULE TO BE REVIEWED BY OWNER AND ARCHITECT.
2. HOLLOW METAL DOOR FRAMES TO BE MITERED WITH WELDED CORNERS. GROUND SMOOTH.
3. HARDWARE PRODUCT DATA AND FINISHES TO BE APPROVED BY ARCHITECT PRIOR TO ORDERING.
4. EXTERIOR FACE OF EXTERIOR DOOR AND FRAMES TO BE PAINTED WITH TWO COATS OF ENAMEL TO MATCH BUILDING EXTERIOR. REFERENCE BUILDING ELEVATIONS FOR MORE INFORMATION.
5. ALL DOOR HARDWARE TO BE COMMERCIAL QUALITY AND MEET ACCESSIBILITY STANDARDS.
6. PROVIDE ACCESSIBLE THRESHOLDS AT ALL EXTERIOR DOORS.
7. ALL DOOR HARDWARE TO BE STAINLESS STEEL UNLESS NOTED OTHERWISE.

DOOR SCHEDULE

DOOR NO.	LOCATION	DOOR					FRAME			HARDWARE SET	REMARKS
		WIDTH	HEIGHT	FINISH	MATERIAL	TYPE	FINISH	MATERIAL	TYPE		
01	SUITE 101 - ENTRY	3'-0"	7'-0"	AS1	AL	A	-	-	-	1	
02	SUITE 101 - ENTRY	3'-0"	7'-0"	AS1	AL	A	-	-	-	1	
03	SUITE 102 - ENTRY	3'-0"	7'-0"	AS1	AL	A	-	-	-	1	
04	SUITE 102 - ENTRY	3'-0"	7'-0"	AS1	AL	A	-	-	-	1	
05	SUITE 102 - ENTRY	3'-0"	7'-0"	AS1	AL	A	-	-	-	1	
06	SUITE 102 - ENTRY	3'-0"	7'-0"	AS1	AL	A	-	-	-	1	
07	SUITE 102 - ENTRY	3'-0"	7'-0"	AS1	AL	A	-	-	-	1	
08	SUITE 102 - SERVICE	3'-0"	7'-0"	PT	HMI	B	PT	HMI	A	2	
09	SUITE 102 - SERVICE	3'-0"	7'-0"	PT	HMI	B	PT	HMI	A	2	
10	SUITE 102 - SERVICE	3'-0"	7'-0"	PT	HMI	B	PT	HMI	A	2	
11	SUITE 102 - SERVICE	3'-0"	7'-0"	PT	HMI	B	PT	HMI	A	2	
12	SUITE 102 - SERVICE	3'-0"	7'-0"	PT	HMI	B	PT	HMI	A	2	
13	SUITE 102 - ENTRY	3'-0"	7'-0"	AS1	AL	A	-	-	-	1	
14	SUITE 102 - ENTRY	3'-0"	7'-0"	AS1	AL	A	-	-	-	1	

ABBREVIATIONS

AL = ALUMINUM AS1 - CLEAR ANODIZE PT - PAINT HMI - HOLLOW METAL INSULATED

HARDWARE SCHEDULE

HARDWARE SET 1 - STOREFRONT ENTRY

CONTINUOUS HINGE (IVES 112HD), THUMBTURN CYLINDER (ADAMS RITE 4066), EXIT INDICATOR (ADAMS RITE 4089), DEADBOLT (ADAMS RITE MS1850), MORTISE CYLINDER (ADAMS RITE 4036), 90 DEG. OFFSET PULL (IVES 8190EZHD 12" STD), PUSH BAR (IVES 9100HD-A), CONCEALED CLOSER (LCN 2031 BUMP WMS), GASKETING/SEALS (PROVIDED BY STOREFRONT DOOR & FRAME MANUFACTURER), DOOR SWEEP (ZERO 8192AA), ADA COMPLIANT THRESHOLD (ZERO 655A)

HARDWARE SET 2 - SERVICE

3 HINGES (IVES 5BB1 4.5 X 4.5 NRP), STOREROOM LOCK (SCHLAGE ND96TD SPA), FSIC CORE (SCHLAGE 23-030), SURFACE CLOSER (LCN 4050A SCUSH), RAIN DRIP (ZERO 142AA), GASKETING (ZERO 188SBK PSA), DOOR SWEEP (ZERO 8192AA), ADA COMPLIANT THRESHOLD (ZERO 655A), VIEWER (IVES 698)

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

TERRY GRAY FINLEY
REGISTERED ARCHITECT
9629
7/3/24
DURHAM, N.C.

FINLEY DESIGN, P.A.
LICENSED ARCHITECTURAL CORPORATION
NORTH CAROLINA
51513
DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

DOOR AND STOREFRONT SCHEDULES

A11.0

/USERS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B1 SCHEDULES.DWG

EXTERIOR FINISH SCHEDULE

BRICK

B1	
FINISH TYPE:	BRICK
MANUFACTURER:	TAYLOR CLAY PRODUCTS
COLOR:	BLACK ONYX MODULAR WIRECUT
STYLE:	-
SIZE:	-
NOTES:	STANDARD GRAY MORTAR

STONE

S1	
FINISH TYPE:	ADHERED STONE VENEER
MANUFACTURER:	ESCHELON MASONRY
STYLE:	KENSLEY STONE
COLOR:	2/3 DOGWOOD + 1/3 WHEAT (BLEND)
SIZE:	-
NOTES:	STANDARD GRAY MORTAR

METAL

CP1	
FINISH TYPE:	METAL COPING
MANUFACTURER:	-
COLOR:	TO MATCH P1
STYLE:	ANODIZED ALUMINUM
SIZE:	-
NOTES:	WHITE

AWNINGS

A1	
FINISH TYPE:	METAL AWNING
MANUFACTURER:	MAPES
STYLE:	LUMISHADE WITH 8" J FASCIA
COLOR:	CLEAR ANODIZED
SIZE:	SEE PLANS AND SECTIONS
NOTES:	-

PAINT

P1	
FINISH TYPE:	EXTERIOR PAINT
MANUFACTURER:	SHERWIN WILLIAMS
COLOR:	ALABASTER - SW 7008
STYLE:	SEMIGLOSS
SIZE:	-
NOTES:	WHITE

P2	
FINISH TYPE:	EXTERIOR PAINT
MANUFACTURER:	SHERWIN WILLIAMS
COLOR:	OYSTER BAR - SW 7565
STYLE:	SEMIGLOSS
SIZE:	-
NOTES:	BEIGE

P3	
FINISH TYPE:	EXTERIOR PAINT
MANUFACTURER:	SHERWIN WILLIAMS
COLOR:	TBD
STYLE:	SEMIGLOSS
SIZE:	-
NOTES:	GRAY

P4	
FINISH TYPE:	EXTERIOR PAINT
MANUFACTURER:	SHERWIN WILLIAMS
COLOR:	TBD
STYLE:	SEMIGLOSS
SIZE:	-
NOTES:	DARK BROWN

P5	
FINISH TYPE:	EXTERIOR PAINT
MANUFACTURER:	SHERWIN WILLIAMS
COLOR:	KEYSTONE GRAY - SW 7504
STYLE:	SEMIGLOSS
SIZE:	-
NOTES:	BROWN

P6	
FINISH TYPE:	EXTERIOR PAINT
MANUFACTURER:	SHERWIN WILLIAMS
COLOR:	TBD
STYLE:	SEMIGLOSS
SIZE:	-
NOTES:	TAN

NOT USED	
FINISH TYPE:	-
MANUFACTURER:	-
COLOR:	-
STYLE:	-
SIZE:	-
NOTES:	-

NOT USED	
FINISH TYPE:	-
MANUFACTURER:	-
COLOR:	-
STYLE:	-
SIZE:	-
NOTES:	-

EIFS

E1	
FINISH TYPE:	EIFS
MANUFACTURER:	-
COLOR:	MATCH P1
STYLE:	DRAINABLE
SIZE:	-
NOTES:	WHITE

E2	
FINISH TYPE:	EIFS
MANUFACTURER:	-
COLOR:	MATCH P2
STYLE:	DRAINABLE
SIZE:	-
NOTES:	BEIGE

E3	
FINISH TYPE:	EIFS
MANUFACTURER:	-
COLOR:	MATCH P3
STYLE:	DRAINABLE
SIZE:	-
NOTES:	GRAY

E4	
FINISH TYPE:	EIFS
MANUFACTURER:	-
COLOR:	MATCH P4
STYLE:	DRAINABLE
SIZE:	-
NOTES:	DARK BROWN

E5	
FINISH TYPE:	EIFS
MANUFACTURER:	-
COLOR:	MATCH P5
STYLE:	DRAINABLE
SIZE:	-
NOTES:	BROWN

NOT USED	
FINISH TYPE:	-
MANUFACTURER:	-
COLOR:	-
STYLE:	-
SIZE:	-
NOTES:	-

NOT USED	
FINISH TYPE:	-
MANUFACTURER:	-
COLOR:	-
STYLE:	-
SIZE:	-
NOTES:	-

NOT USED	
FINISH TYPE:	-
MANUFACTURER:	-
COLOR:	-
STYLE:	-
SIZE:	-
NOTES:	-

FIBER CEMENT

FC1	
FINISH TYPE:	CEMENTITIOUS LAP SIDING
MANUFACTURER:	ALLURA
STYLE:	TRADITIONAL CEDAR
COLOR:	CHESTNUT BY CAROLINA COLORTONES
SIZE:	-
NOTES:	WOOD-LOOK LAP SIDING

ALUMINUM STOREFRONT

AS1	
FINISH TYPE:	STOREFRONT
MANUFACTURER:	KAWNEER OR EQUAL
COLOR:	#18 CHAMPAGNE
STYLE:	-
SIZE:	-
NOTES:	CHAMPAGNE

STUCCO

STC	
FINISH TYPE:	STUCCO
MANUFACTURER:	-
COLOR:	-
STYLE:	-
SIZE:	-
NOTES:	MATCH P6

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

TERRY GRAY FINLEY
REGISTERED ARCHITECT
9629
7/3/24
DURHAM, N.C.

FINLEY DESIGN, P.A.
LICENSED ARCHITECTURAL CORPORATION
51513
NORTH CAROLINA
DURHAM, N.C.

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	KEL
CHECKED BY:	KEL

EXTERIOR FINISH SCHEDULE

A11.1

DESIGN CRITERIA

1. STRUCTURE HAS BEEN DESIGNED TO COMPLY WITH:

   2018 NORTH CAROLINA STATE BUILDING CODE: BUILDING CODE IBC 2015
   ASCE 7-10
   ACI 318-14
   ACI 530-1
   AISC 360-10
   AWS D1.1, D1.3 AND D1.8
   NDS-15 AND SDPWS-15

1. RISK CATEGORY II

2. LIVE LOADS:

TYPICAL ROOF	20 PSF (REDUCIBLE)

3. SNOW:

GROUND SNOW	15 PSF
SNOW EXPOSURE FACTOR	1.0
THERMAL FACTOR	1.0
IMPORTANCE FACTOR	1.0
FLAT-ROOF SNOW	10.5 PSF
DESIGN SNOW	10.5 PSFSSS
RAIN-ON-SNOW SURCHARGE	5 PSF
BUILDING ONE SNOWDRIFT	44 PSF FOR 11'
BUILDING TWO SNOW DRIFT	25 PSF FOR 6'-4"

4. SEISMIC:

	BUILDING 1	BUILDING 2
RISK CATEGORY	II	II
SEISMIC DESIGN CATEGORY	B	B
IMPORTANCE FACTOR	1.0	1.0
SOIL CLASS	D	D
Ss	0.17 g	0.17 g
S1	0.08 g	0.08 g
Sds	0.185 g	0.185 g
Sd1	0.133 g	0.133 g
SEISMIC FORCE RESISTING SYSTEM	LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS	LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS
ALLOWABLE STORY DRIFT	0.02h	0.02h
R	6.5	6.5
Cd	4	4
Ωo	3	3
ρ	1.0	1.0
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE	EQUIVALENT LATERAL FORCE
SEISMIC RESPONSE COEFFICIENT, Cs	0.028	0.028
DESIGN BASE SHEAR, STRENGTH LEVEL	V = 16.6 KIPS	V = 7.7 KIPS

5. WIND:

BASIC WIND SPEED	V ULT = 116 MPH & V ASD = 90 MPH
IMPORTANCE FACTOR	1.0
EXPOSURE CLASS	C
INTERNAL PRESSURE COEFFICIENT, GCpi	± 0.18
BUILDING 1 BASE SHEAR, STRENGTH LEVEL	V = 95.2 KIPS, E-W V = 41.1 KIPS, N-S
BUILDING 2 BASE SHEAR, STRENGTH LEVEL	V = 63.0 KIPS, E-W V = 37.9 KIPS, N-S

6. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED BY LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS IN EACH ORTHOGONAL DIRECTION. SEE PLANS FOR LOCATIONS. THE WOOD DECKING SERVE AS HORIZONTAL DIAPHRAGMS DISTRIBUTING THE LATERAL FORCES TO THE VERTICAL LATERAL ELEMENTS WHICH IN TURN CARRY THE LOAD TO THE BUILDING FOUNDATIONS.

GENERAL

1. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONNEL AND PROPERTY ON AND AROUND THE JOBSITE. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING, GUYS, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.
2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
3. STRUCTURAL SUBSTITUTIONS MAY BE ALLOWED WITH THE APPROVAL OF THE STRUCTURAL ENGINEER. SUPPLIER SHALL PROVIDE SEALED DESIGN CALCULATIONS OR SUITABLE PRODUCT LITERATURE FOR THE COMPONENTS.
4. ALL DIMENSIONS AND SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOBSITE PRIOR TO CONSTRUCTION, START OF SHOP DRAWINGS, START OF CONSTRUCTION, AND/OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, OR CONDITIONS DEVELOP THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
5. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF NEW WORK.
6. STRUCTURAL DRAWINGS INCLUDE DESIGN REQUIREMENTS AND DIMENSIONS FOR STRUCTURAL INTEGRITY BUT DO NOT SHOW ALL DETAIL DIMENSIONS TO FIT INTRICATE ARCHITECTURAL AND MECHANICAL DETAILS. CONTRACTOR SHALL SO CONSTRUCT THE WORK SO IT WILL CONFORM TO THE CLEARANCES REQUIRED BY ARCHITECTURAL, MECHANICAL AND ELECTRICAL DESIGN.
7. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
8. DO NOT SCALE DRAWINGS. PRINTED DIMENSIONS HAVE PRECEDENCE OVER SCALED DRAWINGS AND LARGE-SCALE OVER SMALL-SCALE DRAWINGS. CONTRACTOR TO DETERMINE FINAL DIMENSION WITH ARCHITECT.
9. TYPICAL DETAILS SHALL APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
10. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF WORKMEN DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OR APPROVAL OF THE ABOVE ITEMS AND DO NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES FOR THE ABOVE.
11. SEE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS, CONDITIONS, PITS, TRENCHES, PADS, DEPRESSIONS, ROOF/FLOOR OPENINGS, STAIRS, SLEEVES, ITEMS TO BE EMBEDDED OR ATTACHED TO STRUCTURAL ELEMENTS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS.
12. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL AND PLUMBING WITH APPROPRIATE TRADE CONTRACTORS. OPENING SIZES AND LOCATIONS SHOWN FOR DUCTS, PIPE, INSERTS AND OTHER PENETRATIONS WHEN SHOWN ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO FORMING.
13. NO HOLES, NOTCHES, BLOCK-OUTS, ETC. ARE ALLOWED IN STRUCTURAL ELEMENTS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.
14. PENETRATIONS SHALL BE CAST-IN-PLACE AND SHALL NOT BE PERMITTED EXCEPT AS SHOWN IN THE STRUCTURAL DRAWINGS.

SUBMITTALS

1. SUBMITTALS ARE:
   a. CONCRETE MIX DESIGNS
   b. MATERIAL PRODUCT DATA FOR STRUCTURAL MATERIALS
   c. CONCRETE REINFORCING
   d. ENGINEERED LUMBER
   e. PANELIZED WALLS FOR WOOD BUILDINGS
   f. STEEL FABRICATION AND MISCELLANEOUS METALS
   g. MASONRY REINFORCING AND PRODUCT DATA
2. SUBMITTALS SHALL BE REVIEWED AND COORDINATED PRIOR TO SUBMITTING TO THE ARCHITECT. EACH SHOP DRAWING SUBMITTED SHALL BE STAMPED INDICATING REVIEW BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR AND REVIEW BY THE ARCHITECT SHALL NOT BEGIN UNTIL THIS IS COMPLETE. WORK SHALL NOT BEGIN WITHOUT REVIEW BY THE ARCHITECT/STRUCTURAL ENGINEER.
3. SUBMITTALS SHALL BE REVIEWED BY THE ARCHITECT/STRUCTURAL ENGINEER FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. NOTATIONS MADE BY THE ARCHITECT/STRUCTURAL ENGINEER ON THE SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS.
4. FOR ADDITIONAL INFORMATION ON REQUIRED SUBMITTALS, SEE INDIVIDUAL MATERIAL SECTIONS.

DELEGATED DESIGN

1. DELEGATED DESIGNS PER SECTION 107.3.4.1 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONALS AND REVIEWED PRIOR TO INSTALLATION.
2. DELEGATED DESIGNS ARE:
   a. PREFABRICATED TRUSSES
   b. PREMANUFACTURED WOOD JOISTS
   c. EXTERIOR WALL SYSTEMS
   d. STAIRS, ACCESS LADDERS, HANDRAILS, GUARDRAILS, AND GRATING
   e. BUILDING MAINTENANCE DAVIT PEDESTALS, TIE-BACKS, AND FALL ARREST SYSTEMS
   f. SEISMIC AND/OR GRAVITY SUPPORT AND ANCHORAGE FOR MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION EQUIPMENT AND SYSTEMS
3. ALL DELEGATED DESIGNS SHALL BEAR THE STAMP AND SIGNATURE OF THE QUALIFIED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED, RESPONSIBLE FOR THE PREPARATION OF THESE DOCUMENTS.

EARTHWORK

1. FOUNDATION DESIGN IS IN ACCORDANCE WITH THE BUILDING CODE ALLOWABLE BEARING PRESSURES. NO NEW GEOTECHNICAL REPORT HAS BEEN PROVIDED BY THE OWNER FOR THIS PROJECT
2. SOIL PROPERTIES:

   ASSUMED ALLOWABLE NET SOIL BEARING PRESSURE: 2000 PSF

   FROST DEPTH 1'-6" FT

   COEFFICIENT OF FRICTION 0.03
3. A GEOTECHNICAL ENGINEER SHALL BE EMPLOYED TO VERIFY THAT THE PRESUMED ALLOWABLE BEARING PRESSURE WILL BE ACHIEVED PRIOR TO CONSTRUCTION. THAT ENGINEER SHALL DEVELOP AND ENSURE IMPLEMENTATION OF A SITE SUBGRADE PREPARATION PROGRAM AS REQUIRED TO ACHIEVE THE PRESUMED SOIL BEARING PRESSURE. FOOTING AND SLAB-ON-GRADE SUBGRADE PREPARATION SHALL BE IN COMPLIANCE WITH THE APPLICABLE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
4. CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER OR SEEPAGE. FREE GROUND WATER WAS NOT ENCOUNTERED IN THE BORINGS. DETAILS OF GROUND WATER INFORMATION CAN BE OBTAINED FROM THE ABOVE-MENTIONED GEOTECHNICAL REPORT. IF GROUND WATER SHOULD OCCUR DURING EXCAVATION, SPECIAL PROCEDURES SHALL BE IMPLEMENTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
5. WHERE THERE IS NOT SUFFICIENT SPACE FOR SLOPED EMBANKMENTS, SHORING WILL BE REQUIRED. SEE THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING THE DESIGN AND INSTALLATION OF THE SHORING. SHORING THAT IS NOT PART OF THE PERMANENT BUILDING SUPPORT IS THE CONTRACTOR'S RESPONSIBILITY AND OUTSIDE THIS PERMIT.
6. CARE SHALL BE EXERCISED WHEN EXCAVATING OR GRADING ADJACENT TO EXISTING STRUCTURES OR IMPROVEMENTS TO NOT DAMAGE OR UNDERMINE FOUNDATIONS, WALLS, SLABS, UTILITIES, ETC.
7. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILL MATERIAL OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS AND FOUNDATIONS. IF ANY SUCH MATERIAL OR STRUCTURES ARE FOUND, ARCHITECT/ENGINEER SHALL BE NOTIFIED IMMEDIATELY. ALL ABANDONED FOUNDATIONS, UTILITIES AND OTHER STRUCTURES THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
8. ALL FOOTINGS AND SLABS ON GRADE SHALL BE PLACED ONTO FIRM UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL, REMOVING ANY EXISTING FILL, ORGANIC MATERIAL, OR UNSUITABLE SOILS, AS RECOMMENDED BY THE GEOTECHNICAL REPORT. EXPOSED NATURAL SOIL SHALL BE PROOF ROLLED BELOW SLABS ON GRADE.
9. THE CONTRACTOR SHALL DIRECT QUESTIONS REGARDING THE SUBGRADE PREPARATION REQUIREMENTS TO THE GEOTECHNICAL ENGINEER.
10. FOUNDATION ELEVATIONS SHOWN DESIGNATE A MINIMUM DEPTH WHERE AN ADEQUATE SOIL BEARING PRESSURE IS EXPECTED. FOOTINGS, PIERS AND/OR WALLS SHALL BE LOWERED OR EXTENDED AS REQUIRED TO REACH SOIL MEETING THE DESIGN BEARING PRESSURE.
11. THE MOISTURE CONTENT OF ONSITE CLAYEY SOILS AT THE TIME OF COMPACTION SHALL BE BETWEEN 2-3% ABOVE OPTIMUM MOISTURE CONTENT.
12. ANY REQUIRED IMPORT FILL SOIL SHALL HAVE A LOW POTENTIAL FOR EXPANSION AND SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO IMPORTING.

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE AMERICAN CONCRETE INSTITUTE "ACI DETAILING MANUAL" (SP-066) EXCEPT AS OTHERWISE SHOWN, NOTED OR SPECIFIED.
2. CONCRETE REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BILLET STEEL CONFORMING TO THE FOLLOWING STANDARDS:

DEFORMED BARS	ASTM A615, GR 60	Fy = 60 KSI
WELDED WIRE REINFORCING	ASTM A1064	Fy = 65 KSI
STEEL WIRE	ASTM A1064	Fy = 60 KSI

3. MINIMUM CONCRETE COVER SHALL BE PROVIDED AS FOLLOWS TO THE OUTERMOST REINFORCING BARS:

CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	3"
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
#6 BARS OR LARGER	2"
#5 BARS OR SMALLER	1 1/2"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
SLABS, JOISTS AND WALLS WITH #11 BARS OR SMALLER	3/4"
BEAMS, COLUMNS, PEDESTALS AND TENSION TIES	1 1/2"

4. SUPPORTS FOR REINFORCEMENT SHALL HAVE CLASS 2 PROTECTION AS DEFINED IN THE CRSI MANUAL OF STANDARD PRACTICE, UNLESS OTHERWISE NOTED.
5. ALL WELDED WIRE REINFORCING (WWR) SHALL BE LAPPED 2 PANELS AT EDGES AND ENDS.
6. WHERE REINFORCEMENT LENGTH IS SPECIFIED, NO SPLICES ARE PERMITTED WITHIN THE SPECIFIED LENGTH WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.
7. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY, UNLESS OTHERWISE NOTED. PROVIDE FOUNDATION DOWELS TO MATCH SIZE AND SPACING OF WALL OR COLUMN REINFORCEMENT. EXTEND DOWELS A LAP SPLICE LENGTH INTO WALL OR COLUMN AND TERMINATE WITH STANDARD HOOK AT BOTTOM OF FOOTING, UNLESS OTHERWISE NOTED.
8. REINFORCING IN WALL FOOTINGS AND GRADE BEAMS BETWEEN COLUMNS SHALL BE DEVELOPED (Ld) INTO COLUMN FOOTINGS.
9. CUTTING OF REINFORCING WHICH CONFLICTS WITH EMBEDDED OBJECTS OR SLEEVES IS NOT ACCEPTABLE.
10. REINFORCING BARS SHALL BE BENT COLD, AND NO METHOD OF FABRICATION SHALL BE USED WHICH WOULD BE INJURIOUS TO THE MATERIAL. HEATING OF BARS FOR BENDING IS NOT PERMITTED.
11. FIELD WELDING OR BENDING OF REINFORCING IS NOT PERMITTED EXCEPT AS INDICATED ON THE DRAWINGS OR AS APPROVED BY THE STRUCTURAL ENGINEER.
12. USE TEMPLATES TO SET ALL EMBEDDED ANCHOR BOLTS, LEVELING PLATES, AND DOWEL BARS AS REQUIRED OR INDICATED ON THE DRAWINGS.
13. SUBMIT SHOP DRAWINGS FOR FABRICATION AND PLACEMENT OF REINFORCING STEEL. INCLUDE SCHEDULES AND DIAGRAMS OF BENT BARS AND SHOW ARRANGEMENT OF REINFORCEMENT, INCLUDING CONCRETE COVER. STRUCTURAL ENGINEER'S REVIEW WILL BE FOR COMPLIANCE WITH DESIGN REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND QUANTITIES.

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE CORRESPONDING EDITION OF THE AMERICAN CONCRETE INSTITUTE PUBLICATIONS: ACI 117, ACI 301, ACI 305.1, ACI 306.1, ACI 308.1, ACI 318 AND SP-066, UNLESS OTHERWISE NOTED.
2. CONCRETE MATERIALS SHALL CONFORM TO:

CEMENT	ASTM C150, TYPE I OR II
FLY ASH	ASTM C618, TYPE C OR F
FINE AND COARSE AGGREGATE	ASTM C33
LIGHTWEIGHT AGGREGATE	ASTM C330
WATER	POTABLE
AIR-ENTRAINING ADMIXTURE	ASTM C260
WATER REDUCING ADMIXTURE	ASTM C494

3. CONCRETE STRENGTHS SHALL CONFORM TO:

INTENDED USE	STRENGTH (PSI)	EXPOSURE CLASS
FOOTINGS	3000	N/A
SLAB ON GRADE	4000	N/A
UNLESS OTHERWISE NOTED	4000	N/A

   NORMAL-WEIGHT 28-DAY STRENGTH UNLESS OTHERWISE NOTED.

4. DRYPACK OR GROUT SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 7000 PSI.
5. SLAB-ON-GRADE CONSTRUCTION: LOCATE SAW-CUT CONTROL JOINTS ALONG COLUMN LINES WITH INTERMEDIATE JOINTS SPACED PER THE TABLE BELOW, UNLESS OTHERWISE NOTED. SLAB PANELS SHALL HAVE A MAXIMUM LENGTH TO WIDTH RATIO OF 1.5:1. PROVIDE ADDITIONAL CONTROL JOINTS AT ALL RE-ENTRANT CORNERS. SEE PLAN FOR SPECIAL CASES.

THICKNESS (IN)	MAXIMUM JOINT SPACING EACH WAY (FT)
4	12

6. CROSS REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS TO ENSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHOR BOLTS, INSERTS, NOTCHES, AND EDGES OF WALLS/FOUNDATIONS PRIOR TO PLACING CONCRETE.
7. UNLESS OTHERWISE NOTED, ALL FOOTINGS SHALL BE CENTERED UNDER WALLS, PIERS OR COLUMNS.
8. CONSTRUCTION JOINTS SHALL BE THOROUGHLY ROUGHENED TO 1/4" AMPLITUDE BY SAND BLASTING OR MECHANICAL MEANS. CLEAN BEFORE POUR. LOCATION TO BE APPROVED BY THE STRUCTURAL ENGINEER. SUBMIT LOCATION PLAN OF ALL PROPOSED JOINTS NOT INDICATED ON DRAWINGS FOR APPROVAL PRIOR TO BEGINNING WORK.
9. PRIOR TO PLACING CONCRETE, THE CONTRACTOR SHALL ENSURE ALL REINFORCING AND EMBEDMENTS, INCLUDING COLUMN ANCHOR BOLTS, ARE PROPERLY LOCATED AND SECURELY TIED IN PLACE.
10. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL PENETRATIONS THROUGH CONCRETE BEFORE PLACING. SECURE SLEEVES TO PREVENT MOVEMENT DURING PLACING OPERATIONS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS.
11. CONFIRM WITH ARCHITECT THAT MATERIALS TO BE EMBEDDED ARE SUITABLE FOR EMBEDMENT IN CONCRETE.
12. CONDUIT, PIPES, AND SLEEVES EMBEDDED IN CONCRETE SHALL CONFORM TO REQUIREMENTS OF ACI 318, SECTIONS 20.7 AND 26.8.
13. NO ALUMINUM SHALL BE ALLOWED IN THE CONCRETE WORK UNLESS COATED TO PREVENT ALUMINUM-CONCRETE REACTION.
14. WATERSTOPS SHALL BE A FLEXIBLE BENTONITE PRODUCT..
15. PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A 3/4 INCH CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.
16. SLOPE SLABS TO DRAINS OR FOR POSITIVE DRAINAGE IF NO DRAINS ARE PRESENT AND PROVIDE DEPRESSIONS WHERE SHOWN ON THE STRUCTURAL AND/OR ARCHITECTURAL DRAWINGS WITHOUT REDUCING THE THICKNESS OF SLAB INDICATED. FOR SLAB-ON-GRADE DEPRESSIONS GREATER THAN 1 INCH, SEE DETAILS FOR ADDITIONAL REINFORCING.
17. INTERNALLY VIBRATE ALL CAST-IN-PLACE CONCRETE EXCEPT SLABS-ON-GRADE WHICH NEED ONLY BE VIBRATED AROUND UNDER FLOOR DUCTS AND OTHER EMBEDDED ITEMS. VIBRATE TOPS OF COLUMNS.
18. CONCRETE SHALL NOT BE PERMITTED TO DROP MORE THAN 5 FEET.
19. IF CONCRETE IS PLACED BY PUMPING, SUPPORT SHALL BE PROVIDED FOR THE HOSE. THE HOSE SHALL NOT BE ALLOWED TO RIDE ON THE REINFORCING AND OTHER EMBEDDED ITEMS.
20. CONCRETE SLABS SHALL BE CURED BY KEEPING CONTINUOUSLY WET FOR 7 DAYS. FORMS FOR CONCRETE WALLS SHALL BE LEFT IN PLACE FOR 7 DAYS OR MAY BE STRIPPED AFTER 3 DAYS AND COATED WITH AN APPROVED CURING COMPOUND.
21. NO LOADS SHALL BE PLACED ON STRUCTURAL CONCRETE SLABS WITHIN 7 DAYS AFTER CONCRETE IS PLACED. AFTER CONCRETE IS PLACED, IN NO CASE SHALL THE SUPERIMPOSED CONSTRUCTION LOADS BE GREATER THAN SPECIFIED DESIGN LIVE LOADS, UNLESS THE WORK IS SHORED.
22. NOTIFY THE ARCHITECT/STRUCTURAL ENGINEER 48 HOURS MINIMUM PRIOR TO ALL POURS.
23. CONTRACTOR SHALL SURVEY ALL CONCRETE WORK WITHIN 48 HOURS OF PLACING CONCRETE TO ENSURE PLACEMENT IS IN ACCORDANCE WITH PROJECT REQUIREMENTS.
24. THE DESIGN AND ENGINEERING OF FORMWORK, SHORING AND RESHORING, AS WELL AS THEIR CONSTRUCTION, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. FORMS SHALL BE DESIGNED TO HAVE SUFFICIENT STRENGTH TO SAFELY WITHSTAND THE LOADS RESULTING FROM PLACEMENT AND VIBRATION OF THE CONCRETE AND SHALL ALSO BE DESIGNED FOR SUFFICIENT RIGIDITY TO MAINTAIN SPECIFIED TOLERANCES. CONTRACTOR SHALL SUBMIT DETAILED FORMWORK SHOP DRAWINGS TO THE ARCHITECT TO BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT ONLY.
25. CONCRETE FILL THICKNESS SHOWN ON FRAMING PLANS AND DETAIL SHEETS IS MINIMUM THICKNESS. NO ALLOWANCES HAVE BEEN SHOWN FOR ADDITIONAL CONCRETE FILL REQUIRED TO COMPENSATE FOR BEAM OR DECK DEFLECTIONS AND TO MAINTAIN SURFACE TOLERANCES SPECIFIED.
26. CORING OF CONCRETE IS NOT PERMITTED UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
27. NO CONCRETE SHALL BE PLACED ONTO OR AGAINST SUBGRADES CONTAINING FREE WATER, FROST, ICE OR SNOW.
28. DURING WINTER CONSTRUCTION, ALL FOOTINGS SHALL BE PROTECTED FROM FROST PENETRATION UNTIL THE BUILDING IS ENCLOSED AND TEMPORARY HEAT IS PROVIDED.
29. GENERAL CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR SIZE, LOCATION AND HEIGHT OF MECHANICAL EQUIPMENT PADS ON CONCRETE SLAB ON STEEL DECK AND SLAB-ON-GRADE.
30. THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE TESTING AGENCY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S. SUBMIT TEST DATA ON EACH PROPOSED MIX FOR REVIEW IN ACCORDANCE WITH THE APPLICABLE CODE. MIX DESIGNS SUBMITTED WITHOUT THE REQUIRED TEST DATA WILL BE RETURNED WITHOUT REVIEW.
31. PROVIDE SLAB COORDINATION DRAWING SUBMITTAL INDICATING COORDINATED LOCATIONS OF: MEP PENETRATIONS, SLEEVES, OPENINGS, IN-SLAB CONDUIT/DUCT (IF ALLOWED), EMBEDS, CAST-IN ANCHORS, AND OTHER ITEMS EMBEDDED OR PENETRATING STRUCTURAL ELEVATED SLABS.

STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "DETAILING FOR STEEL CONSTRUCTION" AND FABRICATED AND ERECTED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
2. STRUCTURAL STEEL SHALL CONFORM TO ASTM STANDARDS AS NOTED BELOW:

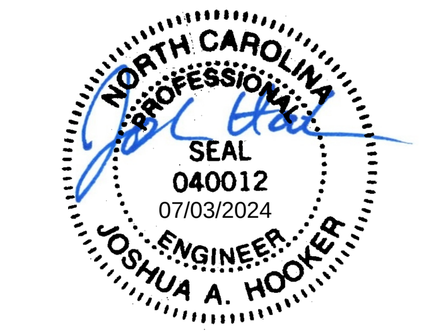
WIDE FLANGE SHAPES	ASTM A992	Fy = 50 KSI
OTHER ROLLED SHAPES	ASTM A36	Fy = 36 KSI
HSS SECTION, SQ/RECT	ASTM A500, GR C	Fy = 50 KSI
BASE AND CONNECTION PLATE	ASTM A36	Fy = 50 KSI
ANCHOR RODS	ASTM F1554, GR 36	Fy = 55 KSI
HIGH STRENGTH BOLTS	ASTM F3125, GR A325	Fv = 120 KSI
HEAVY HEX NUTS	ASTM A563	
WASHERS	ASTM F436	
ELECTRODES FOR ARC WELDING	AWS 5.1, E70XX	

3. HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". SEE DETAILS FOR BOLT SIZE AND MATERIAL ASTM DESIGNATION.
4. ALL BOLTED CONNECTIONS SHALL BE GRADE A325N BEARING TYPE BOLTS, UNLESS OTHERWISE NOTED. ALL BOLTS SHALL BE INSTALLED TO A MINIMUM "SNUG TIGHT" CONDITION, UNLESS OTHERWISE NOTED.
5. EXCEPT WHERE DETAILED OTHERWISE, FABRICATOR SHALL SELECT LRFD BOLTED (OR WELDED EQUIVALENT) SIMPLE SHEAR CONNECTIONS PER AISC 360 PART 10 TO SUPPORT LOADS INDICATED ON THE STRUCTURAL DRAWINGS. WHEN LOADS ARE NOT SHOWN, CONNECTION SHALL SUPPORT 60% OF THE TOTAL UNIFORM LOAD CAPACITY FOR EACH GIVEN BEAM SIZE AND SPAN AS LISTED IN AISC 360 TABLE 3-6. FOR COMPOSITE MEMBERS, CONNECTION SHALL SUPPORT 80% OF THE TOTAL UNIFORM LOAD CAPACITY FOR EACH BEAM SIZE AND SPAN.
6. BEAM REACTIONS GIVEN ON THE CONTRACT DOCUMENTS SHALL SUPERSEDE THE PREVIOUS NOTE. IN NO CASE SHALL THE CONNECTIONS BE DESIGNED FOR AN UNFACTORED END REACTION LESS THAN 12 KIPS.
7. WELD LENGTHS INDICATED ON THE DRAWINGS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE WELD LENGTH IS NOT SPECIFIED, PROVIDE WELD ALONG ENTIRE INTERSECTION OF THE JOINED PARTS. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM WELD SIZE AS SPECIFIED IN AISC 360, TABLE J2.4.
8. ALL WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED BY CERTIFIED WELDERS WITH EXPERIENCE AND CERTIFICATION IN THE TYPES OF WELDING CALLED FOR. WELDERS SHALL HAVE BEEN RECENTLY QUALIFIED AS PRESCRIBED IN "QUALIFICATION PROCEDURES" OF THE AMERICAN WELDING SOCIETY (AWS).
9. SPLICING OF STEEL MEMBERS WHERE NOT DETAILED ON THE DRAWINGS IS PROHIBITED WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE AND CONNECTION TO BE MADE.
10. ALL STEEL EXPOSED TO WEATHER OR AS NOTED ON PLAN SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 G60. ABRADED AREAS TO BE TOUCHED UP WITH COLD GALVANIZING COMPOUND IN ACCORDANCE WITH ASTM A780.
11. ALL GALVANIZED HOLLOW SECTIONS SHALL HAVE WELDED CAP PLATES TO SEAL EXPOSED ENDS.
12. CUTS, HOLES, OPENINGS, ETC., REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS. BURNING OF HOLES AND CUTS IN THE FIELD SHALL NOT BE ALLOWED, EXCEPT BY WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER.
14. FURNISH AND INSTALL MISCELLANEOUS STEEL (CURBS, HANGERS, EXPANSION JOINT ANGLES, STRUTS, ETC.) AS CALLED FOR OR AS NECESSARY PER ARCHITECTURAL AND MECHANICAL/ELECTRICAL DRAWINGS.
15. GROUT FOR BASE AND BEARING PLATES SHALL BE A NON-SHRINK, NON-METALLIC PRODUCT. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 7000 PSI. INSTALL GROUT PRIOR TO APPLYING SIGNIFICANT LOADING TO MEMBER.
16. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL FOR ARCHITECT/STRUCTURAL ENGINEER'S REVIEW BEFORE FABRICATION.

WOOD

1. STRUCTURAL SHEATHING
   A. ALL PANELS TO BE PLYWOOD OF MINIMUM 5 PLY CONSTRUCTION. EACH PANEL SHALL BEAR THE QUALITY TRADEMARK STAMP OF THE AMERICAN PLYWOOD ASSOCIATION (APA).
   B. ROOFS:
      i. GRADE:
         a. 1/2", "C-D", GROUP 1, SPAN INDEX 32/16, EXPOSURE 1
         b. 5/8", "C-D", GROUP 1, SPAN INDEX 40/20, EXPOSURE 1
         c. 3/4", "C-D", GROUP 1, SPAN INDEX 48/24, EXPOSURE 1
         d. 1 1/8", STURD-I-FLOOR, SPAN RATING 48" OC
      ii. PANEL EDGE SUPPORT SHALL BE EITHER TONGUE-AND-GROOVE EDGE, PANEL EDGE CLIP MIDWAY BETWEEN SUPPORTS, OR LUMBER BLOCKING (MIN 2x4 SIZE).
   C. WALLS:
      i. SEE ARCHITECTURAL DRAWINGS FOR TYPICAL WALL SHEATHING, UNLESS OTHERWISE NOTED. SEE PLANS FOR SHEAR WALL SHEATHING.
   D. MINIMUM NAILING REQUIREMENTS UNLESS OTHERWISE NOTED:
      i. ROOF:
         a. NAIL SIZE: USE 0.148" x 2 1/4" GUN NAIL
         b. SPACING:

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM



ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS

IMEG
3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565
www.imegcorp.com

North Carolina Design Registration #F-1507

0 1 2 3
REF. SCALE IN INCHES
PROJECT #24003232.00

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

DESIGN CRITERIA & GENERAL NOTES

S0.0

1) PANEL EDGES @ 6" OC
2) INTERIOR BEARINGS @ 12" OC
3) GLULAM BEAMS AND SHEAR COLLECTORS @ 6" OC

E. PANEL LAYOUT:
i. LONG DIMENSION OF PANEL TO BE PERPENDICULAR TO FRAMING MEMBERS, EXCEPT PANELS AT WALLS MAY BE INSTALLED WITH LONG DIMENSION PARALLEL TO STUDS UNLESS OTHERWISE NOTED.
ii. END JOINTS IN ADJACENT RUNS SHALL BE STAGGERED 4 FEET.
iii. MINIMUM PANEL WIDTH SHALL BE 12".
iv. EDGES OF ALL PANELS LESS THAN 24" WIDE SHALL BE BACKED BY BLOCKING (MIN 2x4 SIZE).
v. PROVIDE 1/8" GAP AT ALL SHEATHING JOINTS FOR FLOORS AND WALLS UNLESS OTHERWISE NOTED ON PLAN OR DETAILS.

F. IF SHEATHING PANELS EXHIBIT SWELLING, NAIL HEAD PULL-THROUGH, SOFT SPOTS OR OTHER CONDITIONS WHEREBY REDUCING THE STRUCTURAL CAPACITY, REMOVE AND REPLACE.

2. LUMBER:
A. COMPLY WITH ANSI/AWC NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION.
B. ALL FRAMING LUMBER SHALL BE SOUTHERN PINE, GRADED BY WESTERN WOOD PRODUCTS ASSOCIATION. NOTED ALLOWABLE STRESSES ARE MINIMUMS AND FOR NONREPETITIVE USES PRIOR TO ALLOWABLE STRESS INCREASES AND CONFORMING TO THE NDS AS FOLLOWS:

2" THICK - 4" TO 6" WIDE (WALL STUD ONLY)	NO. 2 Fb = 1100 PSI, E = 1,400,000 PSI
2" TO 4" THICK - 6" AND WIDER	NO. 2 Fb = 1100 PSI, E = 1,400,000 PSI
5" THICK - 5" AND WIDER	NO. 1 Fb = 1350 PSI, E = 1,500,000 PSI

C. ALL LUMBER STRESSES SHOWN ABOVE ARE FOR VISUALLY STRESS-RATED LUMBER USED AT 19% MAXIMUM MOISTURE CONTENT WHEN BUILDING IS ENCLOSED, SINGLE MEMBER USE. ALL LUMBER SHALL BE GRADE MARKED.
D. PROVIDE A MINIMUM OF 1 1/2" JOIST BEARING UNLESS OTHERWISE NOTED.
E. NOTCHING OR DRILLING HOLES IN LUMBER FRAMING MEMBERS MUST BE AS APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

3. MANUFACTURED WOOD PRODUCTS:
A. LAMINATED VENEER LUMBER (LVL)
i. SIZES SHOWN ARE AS MANUFACTURED BY TRUS JOIST. MATERIALS, FABRICATION, HANDLING, AND INSTALLATION SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.
ii. MATERIAL STRENGTHS:

MODULUS OF ELASTICITY, E	2000 KSI
BENDING STRENGTH, Fb	2900 PSI
SHEAR STRENGTH, Fv	285 PSI

B. LAMINATED STRAND LUMBER (LSL)
i. SIZES SHOWN ARE AS MANUFACTURED BY TRUS JOIST. MATERIALS, FABRICATION, HANDLING, AND INSTALLATION SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.
ii. MATERIAL STRENGTHS:

MODULUS OF ELASTICITY, E	1500 KSI
BENDING STRENGTH, Fb	2250 PSI
SHEAR STRENGTH, Fv	400 PSI
AXIAL STRENGTH, Fc	1950 PSI

C. PARALLEL STRAND LUMBER (PSL)
i. SIZES SHOWN ARE AS MANUFACTURED BY WEYERHAEUSER. MATERIALS, FABRICATION, HANDLING, AND INSTALLATION SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.
ii. MATERIAL STRENGTHS:

MODULUS OF ELASTICITY, E	2000 KSI
BENDING STRENGTH, Fb	2900 PSI
SHEAR STRENGTH, Fv	290 PSI
AXIAL STRENGTH, Fc	2900 PSI

D. NOTCHING OR DRILLING HOLES IN MANUFACTURED WOOD PRODUCTS THAT ARE DIFFERENT FROM THE MANUFACTURER'S GUIDELINES MUST BE AS APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
E. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION PER DETAILED INSTALLATION RECOMMENDATIONS AND GUIDELINES OF THE MANUFACTURER.
F. NAILING INTO THE SIDE FACE OF AN I-JOIST TOP/BOTTOM CHORD IS NOT PERMITTED.
G. PROVIDE SLOPED SEAT HANGERS FOR SLOPING I-JOIST INSTALLATIONS.
H. ALL HANGERS SELECTED SHALL MATCH THE SIZE OF SUPPORTED MEMBER AND SHALL HAVE FULL NAILING AS SHOWN IN THE ICC REPORT.
I. SUBSTITUTIONS MUST BE APPROVED BY THE STRUCTURAL ENGINEER AND HAVE ICC APPROVED LOAD CAPACITIES EQUAL TO OR GREATER THAN THE SIMPSON STRONG-TIE CONNECTORS.
J. SIMPSON HANGERS AT PRESSURE TREATED MEMBERS SHALL HAVE ZMAX COATING.
K. SEE ARCHITECTURAL DETAILS AND SPECIFICATIONS FOR MATERIAL TYPES AND FINISHES.
L. PROVIDE STANDARD CAMBERS FOR ALL ROOF BEAMS AND PURLINS UNLESS OTHERWISE NOTED.
M. SEE MANUFACTURER REQUIREMENTS FOR MINIMUM BEARING LENGTHS.

4. FASTENING:
A. ALL NAILS SHALL BE COMMON WIRE NAILS. AT ALL EXPOSED NAILING TO WEATHER OR INSTALLED IN PRESSURE TREATED WOOD (E.G.-DECKING & SIDING), USE HOT-DIP GALVANIZED NAILS. USE OF PLASTIC COATED OR CASING NAILS IS NOT ALLOWED. NAIL DESIGNATIONS SHALL MEET THE FOLLOWING LENGTHS AND DIAMETERS:
i. 6d - 2" x 0.113"
ii. 8d - 2 1/2" x 0.131"
iii. 10d - 3" x 0.148"
iv. 12d - 3 1/4" x 0.148"
v. 16d - 3 1/2" x 0.162"
vi. 20d - 4" x 0.192"
B. THE NAILING SCHEDULE AND STRUCTURAL DETAILS ARE BASED ON THE USAGE OF "COMMON" WIRE NAILS EXCEPT THAT 16d "SINKER" NAILS (3 1/4" x 0.148") MAY BE USED WHERE 16d IS SPECIFIED. IF GUN NAILS ARE USED, THE CONTRACTOR SHALL SUBMIT NAIL DATA FOR REVIEW PRIOR TO BEGINNING CONSTRUCTION.
C. THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN AS LISTED IN THE NAILING FASTENING SCHEDULE 1/S6.0:
D. PILOT HOLES SHALL BE PROVIDED FOR ALL NAILS 20d AND LARGER. PILOT HOLES SHALL HAVE A DIAMETER OF APPROXIMATELY 75% OF THE NAIL SHANK DIAMETER.
E. USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION AND THE APPROVAL OF THE ARCHITECT/STRUCTURAL ENGINEER.
F. CONTRACTOR TO AVOID SPLITTING WOOD MEMBERS DURING FASTENER INSTALLATION. NAIL HEADS SHOULD BE DRIVEN NO GREATER THAN 1/16 OF AN INCH BELOW WOOD SURFACE.
G. ALL BOLTED WOOD CONNECTIONS SHALL BE MADE WITH A307 BOLTS CONFORMING TO THE REQUIREMENTS OF THE CURRENT VERSION OF ANSI/ASME UNLESS OTHERWISE NOTED. BOLT HOLES SHALL BE 1/32" TO 1/16" LARGER THAN THE BOLT. FORCIBLE DRIVING OF BOLTS IS NOT ALLOWED. RETIGHTEN ALL BOLTS BEFORE CONCEALING CONNECTION.
H. USE STANDARD CUT WASHERS BETWEEN THE BOLTS HEADS, BOLT NUTS AND LAG SCREW HEADS AND WOOD FRAMING, UNLESS OTHERWISE NOTED.
I. ALL WOOD CONNECTIONS MADE WITH LAG SCREWS SHALL BE MADE WITH SCREWS CONFORMING TO THE REQUIREMENTS OF THE CURRENT VERSION OF ANSI/ASME. LEAD HOLES FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK AND THE SAME DEPTH AS THE LENGTH OF UNTHREADED SHANK. THE LEAD HOLE SHALL HAVE A DIAMETER EQUAL TO 60-75% OF THE SHANK DIAMETER.
J. WHERE THERE ARE CONNECTOR NAILING ALTERNATIVES LISTED IN THE MANUFACTURER'S CATALOG, THE NAILING PROVIDING THE HIGHEST LOAD CAPACITY SHALL BE USED, UNLESS OTHERWISE NOTED.

5. GENERAL CONSTRUCTION REQUIREMENTS:
A. METAL FRAMING CONNECTORS NOTED ON THE DRAWINGS USE SIMPSON STRONG-TIE AS BASIS OF DESIGN, UNLESS OTHERWISE NOTED. SUBSTITUTIONS OF ALTERNATE MANUFACTURERS WILL BE ACCEPTABLE AS LONG AS LOAD CAPACITIES ARE MET OR EXCEEDED AND ARE SUBSTANTIATED BY AN ICC REPORT.
B. FRAMING PLANS INDICATE GENERAL LAYOUT AND DIMENSIONAL CONTROL ONLY. SEE SHOP DRAWINGS FOR ENGINEERING AND ERECTION.
C. SOLID-SAWN LUMBER BEAMS, RAFTERS AND JOISTS SHALL HAVE LATERAL SUPPORT PREVENTING ROTATION OR DISPLACEMENT BASED UPON SPAN-TO-DEPTH RATIOS AS FOLLOWS:
i. 2:1, NO LATERAL SUPPORT IS REQUIRED.
ii. 3:1 OR 4:1, THE ENDS SHALL BE HELD IN POSITION BY FULL-DEPTH BLOCKING, BRIDGING, NAILING, OR BOLTING TO OTHER FRAMING MEMBERS.
iii. 5:1, ONE EDGE SHALL BE HELD IN LINE FOR ITS ENTIRE LENGTH.
iv. 6:1, FULL-DEPTH BLOCKING, BRIDGING, OR CROSS-BRACING SHALL BE INSTALLED AT INTERVALS NOT EXCEEDING 8 FEET UNLESS BOTH EDGES ARE HELD IN LINE.
v. 7:1, BOTH EDGES SHALL BE HELD IN LINE FOR THE ENTIRE LENGTH.
D. ALL LUMBER, UNLESS NOTED, SHALL BE MILL SIZED AND SURFACED ON FOUR SIDES AND SHALL BE STRAIGHT STOCK, FREE FROM WARP OR CUP, AND SINGLE LENGTH PIECES.
E. ALL ROUGH CARPENTRY SHALL PRODUCE JOINTS TRUE, TIGHT, AND WELL NAILED WITH MEMBERS ASSEMBLED IN ACCORDANCE WITH THE DRAWINGS AND ALL PERTINENT BUILDING CODES. THE SHIMMING OF SILLS, JOISTS, SHORT STUDS, TRIMMERS, HEADERS, OR OTHER FRAMING MEMBERS SHALL NOT BE PERMITTED. ALL WALLS AND PARTITIONS SHALL BE STRAIGHT, PLUMB, AND ACCURATELY LOCATED. CAREFULLY SELECT ALL STRUCTURAL MEMBERS SO KNOTS AND OBVIOUS MINOR DEFECTS WILL NOT INTERFERE WITH MAKING SOUND CONNECTIONS.
F. INSTALL ALL BLOCKING AS REQUIRED TO SUPPORT ALL REQUIRED FINISHES AND EQUIPMENT. PROVIDE 2x FIRE BLOCKING TO CUT OFF ALL CONCEALED DRAFT OPENINGS, BOTH VERTICAL AND HORIZONTAL, BETWEEN CEILING AND FLOOR AREAS. VERIFY ALL REQUIRED BLOCKING WITH ARCHITECTURAL DRAWINGS AND LOCAL BUILDING OFFICIAL.
G. ALL LUMBER AND PRODUCTS SHALL BE HANDLED AND STORED TO PREVENT MARRING AND MOISTURE ABSORPTION. NO DIRECT CONTACT WITH THE GROUND IS PERMITTED.
H. PROTECTION AGAINST DECAY AND TERMITES:
i. ALL LUMBER: WHEN IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE TREATED WOOD. BOTTOM OF SILLS AT EXTERIOR WALLS SHALL NOT BE LESS THAN 8" ABOVE OUTSIDE GRADE EXCEPT WHERE GRADE IS PAVED OVER FOR 18" MINIMUM WIDTH AND DRAINING AWAY FROM THE BUILDING. FOR THAT CONDITION, SILL MAY BE 2" ABOVE.
ii. EXTERIOR COLUMNS AND POSTS: IN AREAS EXPOSED TO WATER SPLASH AND EXTERIOR CONDITIONS, COLUMN/POST SHALL BE SUPPORTED BY A METAL CONNECTOR AND BE TREATED IN ACCORDANCE WITH AWPA UC3.
iii. STRUCTURAL SUPPORTS OF BALCONIES, PORCHES, OR SIMILAR APPURTENANCES: WHEN MEMBERS ARE EXPOSED TO THE WEATHER WITHOUT ADEQUATE ROOF PROTECTION PREVENTING WATER ACCUMULATION, THEY SHALL BE TREATED WOOD IN ACCORDANCE WITH AWPA UC3.
iv. MOISTURE CONTENT: WHEN WOOD IS PRESSURE TREATED WITH A WATERBORNE PRESERVATIVE AND LOCATED IN ENCLOSED SPACES WHERE DRYING IN SERVICE CANNOT READILY OCCUR, SUCH WOOD SHALL BE AT A MOISTURE CONTENT OF 19% OR LESS BEFORE BEING COVERED.
v. USE AWPA UC4 AT ALL WOOD IN CONTACT WITH SOIL.
I. NOTCHES AND BORED HOLE PENETRATIONS IN WOOD STUD WALLS SHALL CONFORM TO SECTION 2308 OF THE IBC AND TYPICAL DETAIL, WHICHEVER IS MORE RESTRICTIVE.
J. ALL APPLICABLE FRAMING STANDARDS OR GRADING RULES SPECIFIED SHALL BE IDENTIFIED BY THE GRADE MARK OR A CERTIFICATE OF INSPECTION BY AN APPROVED AGENCY. ALL LUMBER AND PLYWOOD REQUIRED TO BE TREATED WOOD SHALL BE IDENTIFIED BY THE QUALITY MARK OF AN APPROVED INSPECTION AGENCY WHICH MAINTAINS CONTINUED SUPERVISION, TESTING, AND INSPECTION OVER THE QUALITY OF THE PRODUCT.
K. ALL APPLICABLE FRAMING STANDARDS OR GRADING RULES SPECIFIED SHALL BE IDENTIFIED BY THE GRADE MARK OR A CERTIFICATE OF INSPECTION BY AN APPROVED AGENCY. ALL LUMBER AND PLYWOOD REQUIRED TO BE TREATED WOOD SHALL BE IDENTIFIED BY THE QUALITY MARK OF AN APPROVED INSPECTION AGENCY WHICH MAINTAINS CONTINUED SUPERVISION, TESTING, AND INSPECTION OVER THE QUALITY OF THE PRODUCT.
L. WALL STUD CONSTRUCTION IS DESIGNED TO BE BRACED BY THE WALL SHEATHING (WOOD STRUCTURAL PANEL OR GYPSUM BOARD). CONTRACTOR TO PROVIDE TEMPORARY BRACING, AS REQUIRED, UNTIL SHEATHING IS INSTALLED.
M. ALL DRYWALL, WINDOWS, EXTERIOR CLADDING, MEP, ETC. SHALL BE ARCHITECTURALLY DETAILED AND CONSTRUCTED BY THE CONTRACTOR TO ACCOMMODATE ESTIMATED VERTICAL MOVEMENT DUE TO CRUSHING, SHRINKAGE, AND CONSTRUCTION GAPS. STRUCTURAL ENGINEER SHALL NOT BE HELD LIABLE FOR ANY POST-CONSTRUCTION REMEDIATION REQUIRED AS A RESULT OF DIFFERENTIAL MOVEMENT.

METAL PLATE CONNECTED WOOD TRUSSES

1. DESIGN, FABRICATE, TRANSPORT, AND ERECT METAL PLATE CONNECTED WOOD TRUSSES IN ACCORDANCE WITH LATEST STRUCTURAL BUILDING COMPONENTS ASSOCIATION (SBCA) STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
2. ROOF TRUSS DESIGN CRITERIA:

LIVE LOAD.....	SEE DESIGN CRITERIA SHEET S0.1
DEAD LOAD.....	10 PSF TOP CHORD 10 PSF BOT CHORD
MIN DEAD LOAD (FOR UPLIFT)	8 PSF
WIND UPLIFT.....	PER CODE
SNOW DRIFT LOADING.....	SEE DESIGN CRITERIA SHEET S0.1

3. PREFABRICATED PRE-ENGINEERED TRUSSES ARE PERFORMANCE SPECIFIED. WOOD GRADE, SECTION, BRACING, CONNECTIONS, AND SIMILAR DETAILS ARE THE RESPONSIBILITY OF THE MANUFACTURER BASED ON REQUIRED LOADING.
4. ALL TRUSS-T0-TRUSS CONNECTIONS ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER.
5. ALL PERMANENT AND TEMPORARY BRACING SHALL BE DESIGNED BY THE TRUSS MANUFACTURER, UNLESS OTHERWISE NOTED.
6. COMPONENT DESIGN SHALL BE SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL STRUCTURAL ENGINEER, REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS FOR REVIEW BY THE STRUCTURAL ENGINEER THROUGH THE ARCHITECT. FABRICATION SHALL NOT BEGIN WITHOUT APPROVED SHOP DRAWINGS.
7. SHOP DRAWINGS SHALL SHOW THE TRUSS DESIGN LOADS, SIZE AND GRADE OF THE CHORDS AND WEBS, TRUSS DEFLECTION, LOCATIONS OF THE JOINTS AND CONNECTIONS, SIZE AND TYPE AND LOCATION OF THE METAL PLATES, AND ALL BRACING AND BLOCKING REQUIREMENTS.
8. ROOF TRUSS LIVE LOAD DEFLECTION SHALL NOT EXCEED SPAN/360. TOTAL LOAD DEFLECTION SHALL NOT EXCEED SPAN/240.
9. FLOOR TRUSS LIVE LOAD DEFLECTION SHALL NOT EXCEED SPAN/480. TOTAL LOAD DEFLECTION SHALL NOT EXCEED SPAN/360.
10. TRUSSES SUPPORTING MASONRY TO BE DESIGNED FOR A MAXIMUM TOTAL LOAD DEFLECTION OF SPAN/600 OR 3/8", WHICHEVER IS SMALLER.
11. MAXIMUM DIFFERENTIAL DEFLECTION SHALL BE 1/2" MAXIMUM BETWEEN ADJACENT TRUSSES (LIVE LOAD ONLY OR TOTAL LOAD).
12. TRUSS MANUFACTURER SHALL NOT EXCEED THE ALLOWABLE BEARING STRESS PERPENDICULAR TO GRAIN OF THE SUPPORTING MEMBER.
13. TRUSS MANUFACTURER TO CONFIRM CEILING SLOPES AND CONFIGURATION WITH ARCHITECTURAL DRAWINGS PRIOR TO FABRICATION.
14. TRUSS MANUFACTURER IS RESPONSIBLE FOR MAINTAINING WEB OPENING ALIGNMENT BETWEEN ADJACENT TRUSSES AT TYPICAL AND ATYPICAL SPANS. GENERAL CONTRACTOR SHALL COORDINATE WEB OPENING MIS-ALIGNMENT WITH MECHANICAL, ELECTRICAL AND PLUMBING ROUTING.

POST-INSTALLED ANCHORS

1. ANCHORS SERVING AS THE BASIS OF DESIGN ARE SHOWN ON THE DRAWINGS. ACCEPTABLE ALTERNATIVE ANCHORS MAY BE SUPPLIED PROVIDED THE QUANTITY AND CONFIGURATION MATCH THE CAPACITY OF THE DESIGN ANCHOR QUANTITY AND CONFIGURATION. ANY ALTERNATES ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. BELOW SUMMARIZES EACH ANCHOR TYPE USED ON THE PROJECT.
2. MECHANICAL ANCHORS:
a. EXPANSION ANCHORS

ANCHORED INTO	BASIS OF DESIGN	ACCEPTABLE ALTERNATES
GROUTED MASONRY	HILTI KB3 (ESR-1385)	DEWALT POWER STUD+ SD1 (ESR-2966) SIMPSON WEDGE-ALL (ESR-1396)
UNCRACKED CONCRETE	HILTI KB3 (ESR-2302)	DEWALT POWER STUD+ SD2 (ESR-2502) RED HEAD TRUBOLT+ (ESR-2427) SIMPSON STRONG BOLT 2 (ESR-3037)
CRACKED CONCRETE	HILTI KBTZ (ESR-1917)	DEWALT POWER STUD+ SD2 (ESR-2502) RED HEAD TRUBOLT+ (ESR-2427) SIMPSON STRONG BOLT 2 (ESR-3037)

b. THREADED SCREW ANCHORS

ANCHORED INTO	BASIS OF DESIGN	ACCEPTABLE ALTERNATES
GROUTED MASONRY	HILTI KWIK HUS-EZ (ESR-3056)	DEWALT WEDGE-BOLT+ (ESR-1678) SIMPSON TITEN HD (ESR-1056)
UNCRACKED CONCRETE	HILTI KWIK HUS-EZ (ESR-3027)	DEWALT POWER SCREW-BOLT+ (ESR-3889) SIMPSON TITEN HD (ESR-2713)
CRACKED CONCRETE	HILTI KWIK HUS-EZ (ESR-3027)	DEWALT POWER SCREW-BOLT+ (ESR-3889) SIMPSON TITEN HD (ESR-2713)

3. ADHESIVE ANCHORS: SHALL CONSIST OF DEFORMED REINFORCING BARS OR ASTM A193 GRADE B7 RODS, HEAVY DUTY NUTS AND WASHERS AND A TWO COMPONENT STRUCTURAL ADHESIVE. WHERE ANCHORING INTO HOLLOW MASONRY, A SCREEN TUBE SHALL BE PROVIDED.

ANCHORED INTO	BASIS OF DESIGN	ACCEPTABLE ALTERNATES
HOLLOW MASONRY	HILTI HIT-HY 270 (ESR-4143)	DEWALT AC 100+ GOLD (ESR-3200) SIMPSON SET-XP (ESR-0265)
GROUTED MASONRY	HILTI HIT-HY 270 (ESR-4143)	DEWALT AC 100+ GOLD (ESR-3200) RED HEAD A7 ACRYLIC (ESR-3951) SIMPSON SET-XP (ESR-0265)
CONCRETE	HILTI HIT-HY 200 (ESR-3187)	DEWALT AC 200+ (ESR-4027) SIMPSON SET-3G (ESR-4057)

4. CRACKED CONCRETE REPRESENTS ALL CONCRETE FOR PROJECTS LOCATED IN SEISMIC DESIGN CATEGORY C OR HIGHER, TENSILE ZONES SUCH AS BOTTOMS OF BEAMS AND SLABS, OR WHERE NOTED ON THE DRAWINGS.

COMPONENT & CLADDING DESIGN WIND PRESSURES (PSF)

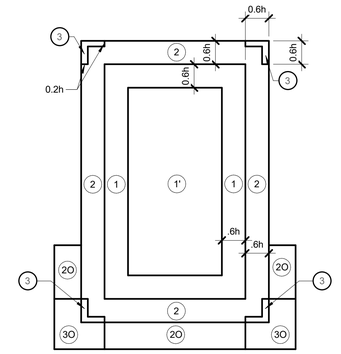
ROOF						
ZONE	10 SF	20 SF	50 SF	100 SF	200 SF	500 SF
NEGATIVE 1	-30.6	-29.8	-28.7	-28.0	-28.0	-28.0
NEGATIVE 2	-51.3	-45.8	-38.6	-33.1	-33.1	-33.1
NEGATIVE 3	-51.3	-45.8	-38.6	-33.1	-33.1	-33.1
POSITIVE 1	16.0	16.0	16.0	16.0	16.0	16.0
POSITIVE 2, 3	28.0	26.7	25.1	23.8	22.6	21.0
OVERHANG 1 &2	-44.0	-43.2	-42.2	-41.4	-35.9	-28.5
OVERHANG 3	-44.0	-43.2	-42.2	-41.4	-35.9	-28.5
PARAPET						
ZONE	10 SF	20 SF	50 SF	100 SF	200 SF	500 SF
POSITIVE 4P	73.4	66.4	57.1	50.1	48.8	47.1
POSITIVE 5P	73.4	66.4	57.1	50.1	48.8	47.1
NEGATIVE 4P	-51.4	-48.8	-45.4	-42.8	-40.2	-36.7
NEGATIVE 5P	-58.8	-54.9	-49.7	-45.8	-41.9	-36.7
WALL						
ZONE	10 SF	100 SF	200 SF	500 SF		
NEGATIVE 4	-30.3	-26.2	-24.9	-23.3		
NEGATIVE 5	-37.3	-29.1	-26.6	-23.3		
POSITIVE 4 & 5	28.0	23.9	22.6	21.0		

NOTES:
1. TABLE PRESSURES ARE FOR THE SQUARE FOOT (SF) TRIBUTARY AREA SHOWN. FOR OTHER TRIBUTARY AREAS, LINEARLY INTERPOLATE BETWEEN VALUES SHOWN ABOVE.
2. POSITIVE PRESSURES ACT TOWARD THE BUILDING. NEGATIVE PRESSURES ACT AWAY FROM THE BUILDING.
3. SEE DIAGRAMS FOR LOCATION OF ZONES.
4. PRESSURES SHOWN ARE ULTIMATE PRESSURES. MULTIPLY VALUES BY 0.6 FOR NOMINAL PRESSURES.

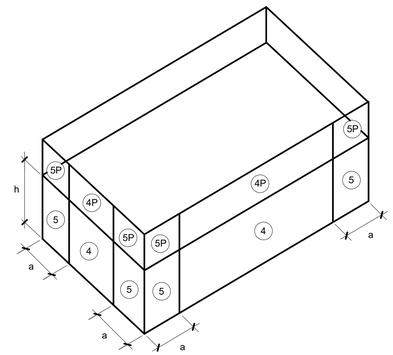
h=3'-0"	a=3'-0"

STRUCTURAL ABBREVIATION KEY

ABBR:	DESCRIPTION:	ABBR:	DESCRIPTION:
#	NUMBER OR POUNDS	KSF	KIPS PER SQUARE FOOT
@	AT	KSI	KIPS PER SQUARE INCH
°	DEGREE	L	LENGTH
ø	DIAMETER	LBS	POUNDS
(E)	EXISTING	LL	LIVE LOAD
A.B.	ANCHOR BOLT	LLH	LONG LEG HORIZONTAL
ARCH	ARCHITECT, -URE, -URAL	LLV	LONG LEG VERTICAL
B.O.	BOTTOM OF	LONG.	LONGITUDINAL
bf	BEAM FLANGE WIDTH	LSH	LONG SIDE HORIZONTAL
BF	BRACE FRAME	LSV	LONG SIDE VERTICAL
BM	BEAM	LT WT	LIGHTWEIGHT
B.N.	BOUNDARY NAILING	MAX	MAXIMUM
BOTT	BOTTOM	MECH	MECHANICAL
BTWN	BETWEEN	MANUF	MANUFACTURER
CFSF	COLD FORM STEEL FRAMING	MIN	MINIMUM
CGS	CENTER OF GRAVITY OF THE TENDON	NIC	NOT IN CONTRACT
CJP	COMPLETE JOINT PENETRATION WELD	NTS	NOT TO SCALE
CLR	CLEAR	OC	ON CENTER
CL	CENTERLINE	OH	OPPOSITE HAND
CMU	CONCRETE MASONRY UNIT	OPNG	OPENING
COL	COLUMN	OSB	ORIENTED STRAND BOARD
CONC	CONCRETE	PCF	POUNDS PER CUBIC FOOT
CONN	CONNECTION	P.H.	PENTHOUSE
CONST	CONSTRUCTION	PJP	PARTIAL JOINT PENETRATION WELD
CONT	CONTINUOUS	PL	PLATE
COORD	COORDINATION	PLF	POUNDS PER LINEAR FOOT
DIA	DIAMETER	PSF	POUNDS PER SQUARE FOOT
DL	DEAD LOAD	PSI	POUNDS PER SQUARE INCH
DET	DETAIL	PT	POST-TENSION, -ED, -ING
DWG	DRAWING	R	RADIUS
DWL	DOWEL	REINF	REINFORCING, -MENT, -ED
EA	EACH	REQD	REQUIRED
EF	EACH FACE	RTU	ROOF TOP UNIT
EFF	EFFECTIVE	SC	SLIP CRITICAL
EL	ELEVATION	SCHED	SCHEDULE
ELEC	ELECTRICAL	SFRS	SEISMIC FORCE-RESISTING SYSTEM
EMBED	EMBEDMENT	SIM	SIMILAR
E.N.	EDGE NAILING	SL	SNOW LOAD
EOD	EDGE OF DECK	S.M.S.	SHEET METAL SCREW
EOS	EDGE OF SLAB	SP	SPACE(S)
EQ	EQUAL	SPECS	SPECIFICATION(S)
EQUIP	EQUIPMENT	SQ	SQUARE
ETC	ETCETERA	STIFF	STIFFENER
EW	EACH WAY	STL	STEEL
EXP	EXPANSION	SYM	SYMMETRICAL
EXT	EXTERIOR	T&B	TOP AND BOTTOM
f'c	CONCRETE COMPRESSIVE STRENGTH	T.O.	TOP OF
FDN	FOUNDATION	TC	PRE-TENSIONED BOLT
F.N.	FIELD NAILING	TEMP	TEMPERATURE
FT	FOOT	tf	BEAM FLANGE THICKNESS
FTG	FOOTING	THK	THICK
Fy	YIELD STRESS	TRANS	TRANSVERSE
GA	GAGE OR GAUGE	TYP	TYPICAL
GALV	GALVANIZED	UON	UNLESS OTHERWISE NOTED
GLB	GLULAM BEAM	VERT	VERTICAL
GT	GIRDER TRUSS	VIF	VERIFY IN FIELD
HORIZ	HORIZONTAL	w/	WITH
HSA	HEADED STUD ANCHOR	WA	WHERE APPLICABLE
HSB	HIGH STRENGTH BOLT	WP	WORK POINT
JT	JOINT	WT	WEIGHT
K, KIP	KILOPOUND (1,000 POUNDS)	WWR	WELDED WIRE REINFORCING



ROOF PLAN (GENERIC BUILDING SHOWN)



WALLS (GENERIC BUILDING SHOWN)

MATERIAL LEGEND

MATERIAL LEGEND:
- CONCRETE
- CONCRETE - EXISTING
- EARTH
- GRAVEL OR GRANULAR FILL
- GROUT OR DRYPACK OR SAND
- CMU OR MASONRY
- METAL / COLD-FORM STUD
- WOOD / STUD
- PRECAST CONCRETE
- STEEL
- OTHER/SPECIALTY

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

GENERAL NOTES, CONT

S0.1

IMEG
3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565
www.imegcorp.com

North Carolina Design Registration #F-1507

REF. SCALE IN INCHES 0 1 2 3

PROJECT #24003232.00

TESTING, INSPECTIONS, AND OBSERVATIONS

1. THE STRUCTURAL ENGINEER DOES NOT PROVIDE INSPECTIONS OF CONSTRUCTION. STRUCTURAL ENGINEER MAY MAKE PERIODIC OBSERVATIONS OF THE CONSTRUCTION. SUCH OBSERVATIONS SHALL NOT REPLACE REQUIRED INSPECTIONS BY THE GOVERNING AUTHORITIES OR SERVE AS "SPECIAL INSPECTIONS" AS MAY BE REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
2. SEE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS OR SPECIFICATIONS FOR TESTING AND INSPECTION REQUIREMENTS OF NON-STRUCTURAL COMPONENTS.
3. DUTIES OF THE INSPECTION AGENCY PER IBC CHAPTER 17:
   a. SUBMIT A PROPOSED TESTING AND INSPECTION PROGRAM TO THE OWNER, THE ARCHITECT AND THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL AT LEAST TWO WEEKS PRIOR TO COMMENCEMENT OF WORK.
   b. PERFORM ALL TESTING AND INSPECTION REQUIRED PER APPROVED TESTING AND INSPECTION PROGRAM.
   c. FURNISH INSPECTION REPORT TO THE BUILDING OFFICIAL, THE OWNER, THE ARCHITECT, STRUCTURAL ENGINEER AND THE GENERAL CONTRACTOR. THE REPORTS SHALL BE COMPLETED AND FURNISHED WITHIN 48 HOURS OF INSPECTED WORK.
   d. SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTION AGENCY'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
4. SPECIAL INSPECTIONS AND TESTS ARE REQUIRED FOR MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN CHAPTER 17 OF THE IBC OR IN STANDARDS REFERENCED BY THE IBC. THESE ITEMS INCLUDE:
   a. POST-INSTALLED ANCHORS - INSPECTION
5. THE FOLLOWING WORK SHALL BE INSPECTED BY THE SPECIAL INSPECTOR UNLESS SPECIFICALLY WAIVED BY THE BUILDING OFFICIAL.
6. SPECIAL INSPECTIONS AND NONDESTRUCTIVE TESTING OF STUCTURAL STEEL ELEMENTS IN BUILDINGS, STRUCTURES AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360.

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
CONCRETE CONSTRUCTION				
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT		X	ACI 318: CH 20, 25.2, 25.3, 26.2.1-26.6.3	1908.4
2. MATERIAL IDENTIFICATION OF REINFORCING (TYPE/GRADE)		X	AISC 341: TABLE J9.1	
3. REINFORCING STEEL HAS NOT BEEN REBENT IN THE FIELD		X	AISC 341: TABLE J9.1	
4. REINFORCING STEEL HAS BEEN TIED AND SUPPORTED AS REQUIRED		X	AISC 341: TABLE J9.1	
5. REINFORCING STEEL CLEARANCES HAVE BEEN PROVIDED		X	AISC 341: TABLE J9.1	
6. INSPECT ANCHORS CAST IN CONCRETE		X	ACI 318: 17.8.2	
7. VERIFY USE OF REQUIRED DESIGN MIX		X	ACI 318: CH 19, 26.4.2, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
8. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X		ASTM C172, ASTM C31, ACI 318: 26.5, 26.12	1907.10
9. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		ACI 318: 26.5	1908.6, 1908.7, 1908.8
10. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X	ACI 318: 26.5.3-26.5.5	1908.9
11. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		X	ACI 318: 26.11.2(b)	

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE
STRUCTURAL STEEL - FABRICATION			
1. FABRICATION FACILITY			X
2. CONNECTION ERECTION AND ASSEMBLY	X	X	
3. SINGLE PASS FILLET WELDS 5/16" OR LESS	X	X	X

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE
STRUCTURAL STEEL - ERECTION			
1. STRUCTURAL STEEL ERECTION	X	X	
2. CONNECTION ERECTION AND ASSEMBLY	X	X	
3. SINGLE PASS FILLET WELDS 5/16" OR LESS	X	X	X

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE	AWS D1.1 CLAUSES
STRUCTURAL STEEL PRIOR TO BOLTING - MINIMUM INSPECTION				
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P	TABLE C-N5.6-1	2.1, 9.1
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O	TABLE C-N5.6-1	6.5.1
3. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE)	O	O	TABLE C-N5.6-1	2.3.2, 2.7.2, 9.1
4. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O	TABLE C-N5.6-1	4, 8
5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O	TABLE C-N5.6-1	TABLE 6.1(2)
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P†	O†	TABLE C-N5.6-1	3, 9.1, 9.3
7. PROTECTION STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	O	O	TABLE C-N5.6-1	2.2, 8, 9.1
VERIFICATION AND INSPECTION TASK	**CONTINUOUS**	**PERIODIC**	**MATERIAL STD REFERENCE**	
WOOD FRAMING				
1. PREFABRICATED WOOD STRUCTURAL ELEMENTS		X		
a. METAL-PLATE-CONNECTED WOOD TRUSSES SPANNING 60 FEET OR GREATER:				
i. TEMPORARY AND PERMANENT INSTALLATION RESTRAINT/BRACING		X		
b. SHEATHING GRADE AND THICKNESS		X		
c. MEMBER SIZES AT ADJOINING PANEL EDGES		X		
d. DIAPHRAGM NAILING		X		
2. LATERAL FORCE RESISTING SYSTEM (SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLDOWNS, WHERE FASTENER SPACING AT PANEL EDGES IS 4" OR LESS):				
a. NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM		X		
.	.	.	.	.

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
SOILS				
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X		
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X		
3. PERFORM CLASSIFICATIONS AND TESTING OF COMPACTED FILL MATERIAL		X		
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X			
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X		

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

SPECIAL INSPECTIONS

S0.2

IMEG
www.imegcorp.com
3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565

North Carolina Design Registration #F-1507

0 1 2 3

REF. SCALE IN INCHES

PROJECT #24003232.00

FOUNDATION PLAN NOTES

1. SLAB ON GRADE (SOG) & FOUNDATIONS/TURNDOWNS INDICATED ARE DESIGNED BASED ON A CONVENTIONAL 4" NW CONCRETE SLAB w/ WWF6x6-W1.4xW1.4 OVER VAPOR RETARDER AND COMPACTED FILL.
2. THIS FOUNDATION PLAN ASSUMES THE TRUSSES ARE FRAMED AS SHOWN HEREIN. THE TRUSS MANUFACTURER SHALL NOTIFY THE ENGINEER AND GENERAL CONTRACTOR OF ANY ADDITIONAL BEARING REQUIREMENTS PRIOR TO FOUNDATION AND PODIUM CONSTRUCTION.
3. SEE PLAN FOR TOP OF SLAB ELEVATION, SLAB STEPS, AND RAMPS. ELEVATIONS SHOWN SHALL BE VERIFIED WITH CIVIL/ARCH PRIOR TO CONSTRUCTION.
4. FOR DESIGN CRITERIA AND GENERAL NOTES, SEE S0.0 SERIES SHEETS.
5. FOR REINFORCEMENT AT FOOTING CORNERS, SEE 5/S2.0.
6. FOR PIPE PENETRATIONS AT FOOTINGS, SEE 1/S2.0 & 4/S2.0.
7. SEE DETAIL 2/S2.0 FOR COLUMN TO WALL FOOTING INTERSECTIONS.
8. FOR ELEVATIONS, WALL SECTIONS, AND DIMENSIONS, SEE ARCH DRAWINGS.
9. SEE HEADER SCHEDULE ON 4/S3.0 FOR KING AND JAMB STUD REQUIREMENTS AT OPENINGS.

FOOTING SCHEDULE

MARK	DIMENSIONS			REINFORCING		REMARKS
	Length	Width	DEPTH	TOP	BOTTOM	
F3.0	3'-0"	3'-0"	1'-0"	(4)#4 EW	(4)#4 EW	-
F6.0	5'-0"	5'-0"	1'-4"	(6)#6 EW	(6)#6 EW	-

TURN DOWN & THICKENED SLAB SCHED

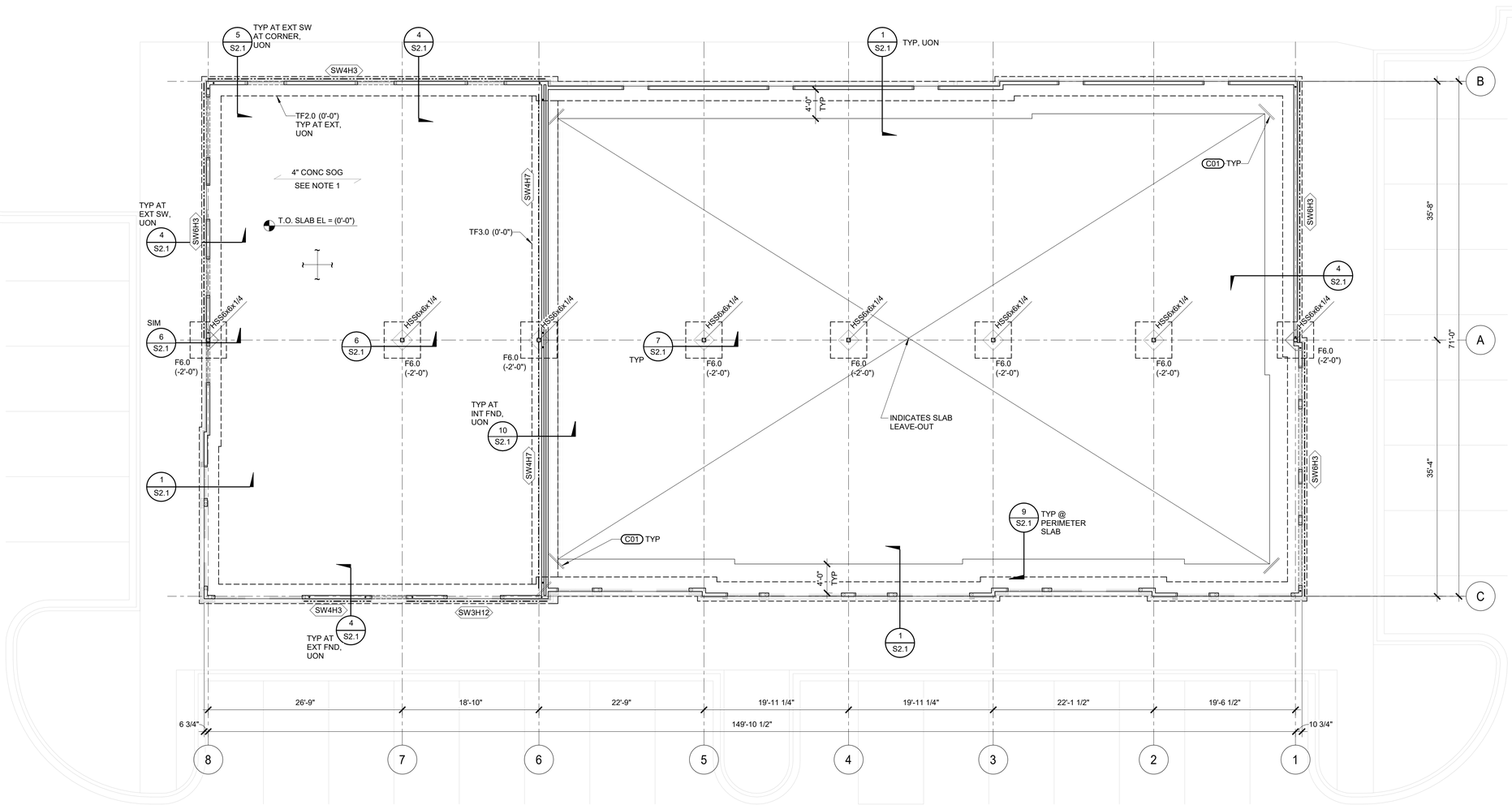
MARK	DIMENSIONS		REINFORCING		REMARKS
	WIDTH	DEPTH	LONG	TRANSV	
TF2.0	2'-8"	2'-0"	(4)#5	#5@12	-
TF3.0	3'-0"	1'-0"	(3)#5	#5@12	-

LEGEND

- DENOTES WOOD WALL, SEE S3.0 SERIES SHEETS
- T.O. SLAB / EL (SEE PLAN) — DENOTES ELEVATION; T.O. - TOP OF; B.O. - BOTTOM OF
- INDICATES CONTROL JOINT IN SLAB, SEE 3/S2.0
- SW TAG DENOTES SIDE OF WALL TO BE SHEATHED; # DENOTES SHEATHING NAILING PATTERN [INCHES], SEE SCHED, 1/S3.1; @ DENOTES REQUIRED HOLD DOWN TYPE, SEE SCHED, 5/S3.1
- SW#@ — INDICATES EXTENTS OF SW
- DENOTES LOCATION OF REQUIRED HOLD DOWN
- STRUC SHEAR WALL LOCATION, SEE PLAN
- HSS#x#x# — COLUMN SIZE
- ISOLATION JOINT WA, SEE 6/S2.1
- F#.# (-#'-#") — SPREAD FTG MARK AND T.O. FTG ELEVATION SEE FTG SCHED THIS SHEET

(###) KEYNOTES

C01 PROVIDE (2)#4x3'-0" MID SLAB AT ALL RE-ENTRANT CORNERS.



NORTH

1 FOUNDATION PLAN - BUILDING 1

1/8" = 1'-0"

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

FOUNDATION PLAN - BUILDING 1

S1.0

IMEG 3708 FORESTVIEW ROAD SUITE 103 RALEIGH, NC 27612 P: 919.650.6565
www.imegcorp.com

North Carolina Design Registration #F-1507

REF. SCALE IN INCHES 0 1 2 3

PROJECT #24003232.00

ROOF FRAMING PLAN NOTES

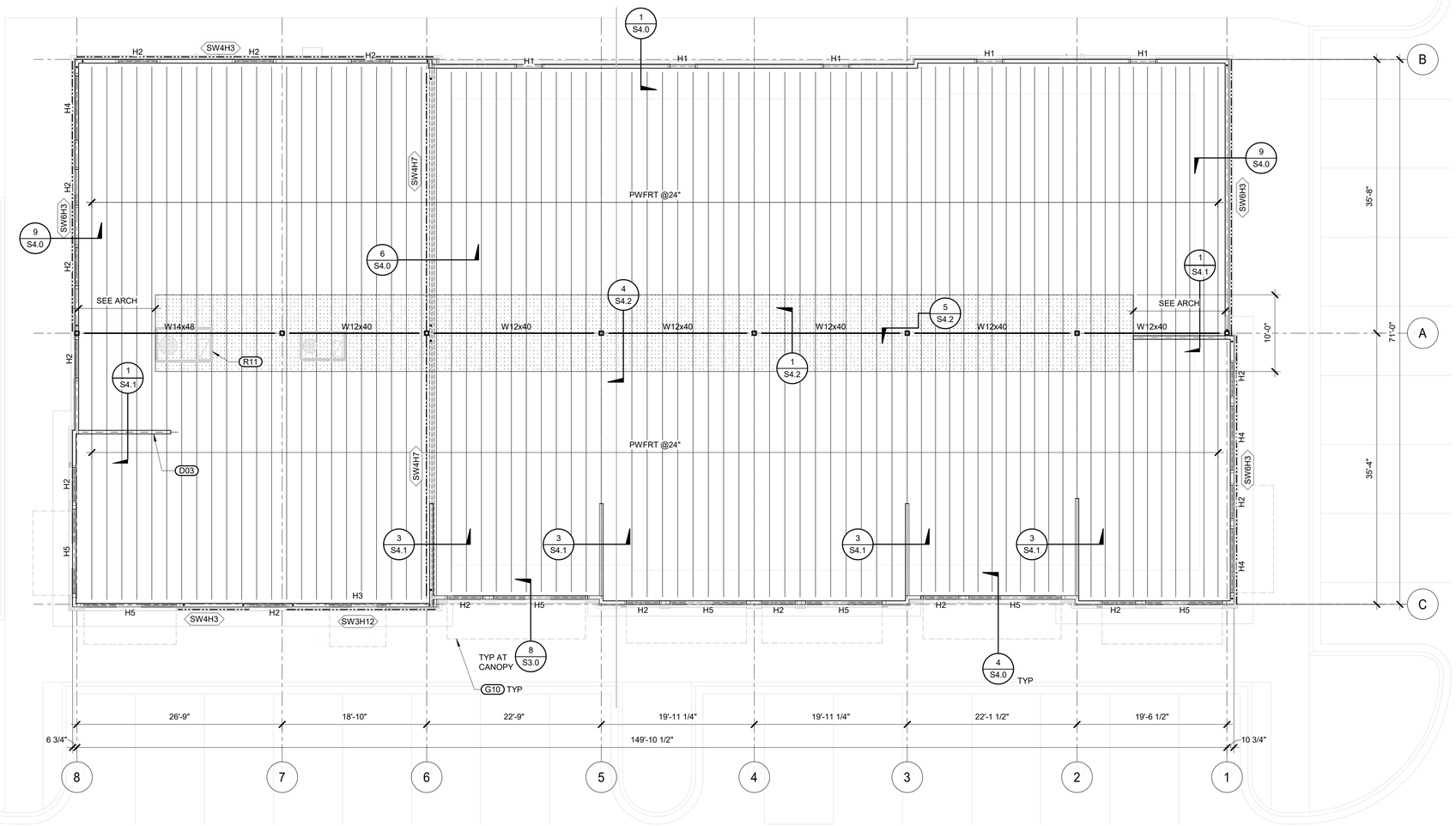
1. MECHANICAL DUCTWORK AND FOUNDATIONS HAVE BEEN DESIGNED FOR THE TRUSS ORIENTATION SHOWN. THE TRUSS MANUFACTURER SHALL NOTIFY THE ENGINEER AND GENERAL CONTRACTOR OF ANY ADDITIONAL BEARING REQUIREMENTS PRIOR TO FOUNDATION CONSTRUCTION.
2. SEE PLAN FOR ELEVATIONS ARE BASED ON GROUND FLOOR T/SLAB DATUM EL 0'-0". ELEVATIONS SHOWN SHALL BE VERIFIED WITH CIVIL/ARCH PRIOR TO CONSTRUCTION.
3. FRAMING PLAN IS SHOWN OVER FLOOR PLAN BELOW.
4. FOR SHEAR WALL LOCATIONS, SEE GROUND FLOOR PLAN.
5. FOR DESIGN CRITERIA AND GENERAL NOTES, SEE S0.0 SERIES SHEETS.
6. FOR ELEVATIONS, WALL SECTIONS AND DIMENSIONS, SEE ARCH DRAWINGS.
7. COORDINATE TRUSS PLACEMENT TO MAXIMIZE USEABLE SPACE IN MECH CHASE.
8. FOR BRICK LINTEL, SEE 9/S3.0 SEE 10/S3.0 FOR BRICK TIE DETAILS.
9. FLAT ROOF FRAMING SHALL CONSIST OF PRE-ENGINEERED WOOD ROOF TRUSSES (PWRT) @ 24" OC MAX (TOP CHORD SLOPED MIN TRUSS DEPTH = 24"), UON.
10. SEE DETAIL 7/S4.0 AND 8/S4.0 FOR SUPPORT FRAMING AT RTU.
11. SEE S0.1 AND 1/S3.2 FOR ROOF DECK SIZING AND ATTACHMENT NAILING PATTERN.

LEGEND

- H# — DENOTES WOOD HEADER TYPE. FOR HEADERS NOT CALLED OUT ON PLAN, SEE HEADER SCHEDULES, 4/S3.0. COORDINATE ALL WINDOW & DOOR OPENING SIZES & LOCATIONS w/ ARCH.
- (3)2x12 — DENOTES WOOD BEAM TYPE. FOR BUILT-UP BEAM ASSEMBLY, SEE 6/S3.0.
- SW#@# — SW TAG DENOTES SIDE OF WALL TO BE SHEATHED; # DENOTES SHEATHING NAILING PATTERN [INCHES], SEE SCHED, 1/S3.1. FOR BUILT-UP @DENOTES REQUIRED HOLD DOWN TYPE, SEE SCHED, 5/S3.1
- LINE TYPE DENOTES SIDE OF WALL TO BE SHEATHED
- INDICATES EXTENTS OF SW
- DENOTES LOCATION OF REQUIRED HOLD DOWN AT WALLS BELOW
- WALL BELOW, SEE FRAMING PLANS
- ## — ROOF TRUSS TYPE DESIGNATION, BY SUPPLIER: GT: GIRDER TRUSS; PWRT: PREMANUF WOOD ROOF TRUSS
- ## — INDICATES A ROOF TRUSS w/ 'GIRDER' USAGE
- ## — INDICATES A ROOF TRUSS w/ 'JOIST' USAGE
- DENOTES ADDITIONAL 40 PSF DEAD LOAD FOR FUTURE MECHANICAL UNITS SEE GENERAL NOTES

KEYNOTES

D03	DESIGN TRUSSES @ PARAPET w/ 80 PLF UNFACTORED DEAD LOAD TYP.
G10	PREFABRICATED CANOPY.
R11	RTU MAX 1000LBS TYP.



NORTH

1 ROOF FRAMING PLAN - BUILDING 1

1/8" = 1'-0"

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

ROOF FRAMING PLAN - BUILDING 1

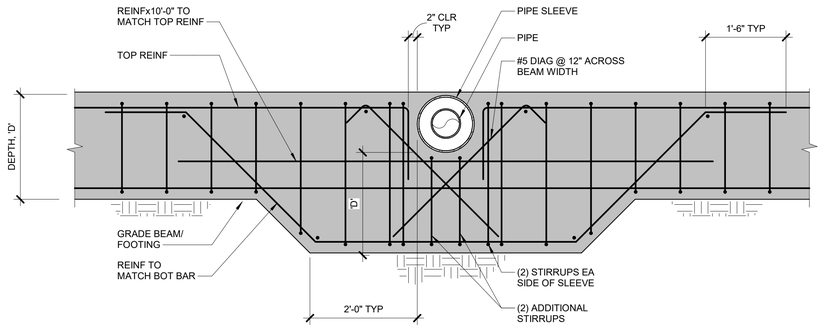
S1.2

IMEG
3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565
www.imegcorp.com

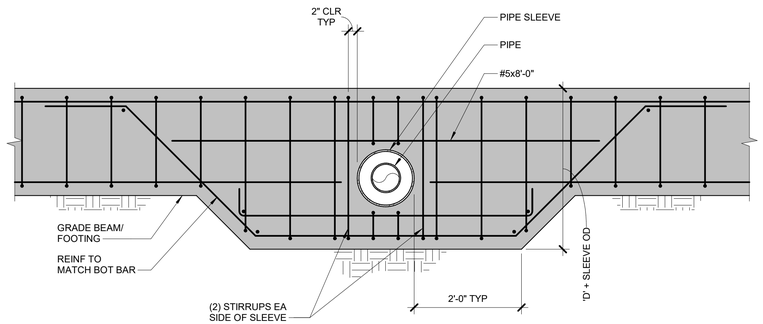
North Carolina Design Registration #F-1507

REF. SCALE IN INCHES 0 1 2 3

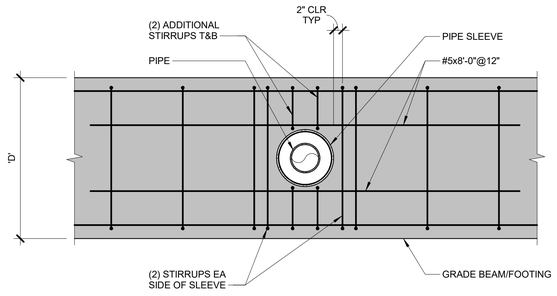
PROJECT #24003232.00



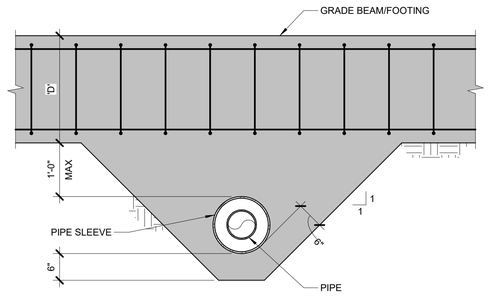
SLEEVE AT TOP THIRD OF BEAM/FOOTING DEPTH



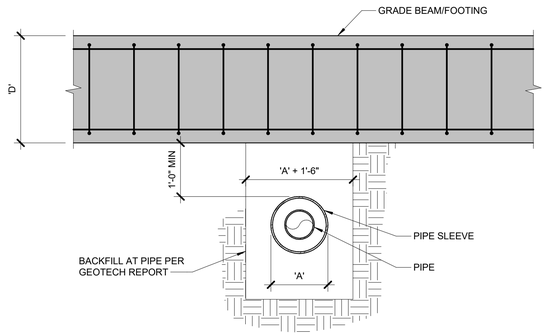
SLEEVE AT BOTTOM THIRD OF BEAM/FOOTING DEPTH



SLEEVE THROUGH MIDDLE THIRD OF BEAM/FOOTING DEPTH



SLEEVE BELOW BEAM/FOOTING



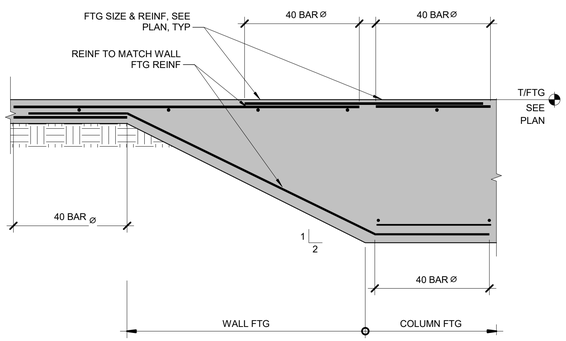
BELOW BOTTOM

NOTES:

1. SLEEVE DIA TO BE 6" LARGER THAN PIPE DIA. CENTER PIPE IN SLEEVE.
2. SEAL VOID BETWEEN PIPE AND SLEEVE w/ ELASTIC WATERPROOF MATERIAL, TYP.
3. MAX PERMITTED SLEEVE DIA = 'D'/2.

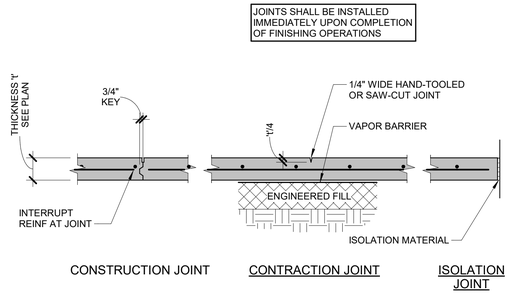
1 PIPES THROUGH GRADE BEAM / FOOTING

NO SCALE



2 WALL FTG TO COLUMN FTG

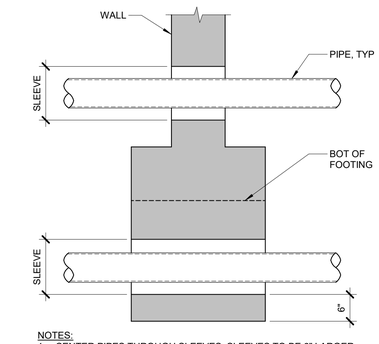
NO SCALE



CONSTRUCTION JOINT CONTRACTION JOINT ISOLATION JOINT

3 SLAB ON GRADE CONSTRUCTION

NO SCALE

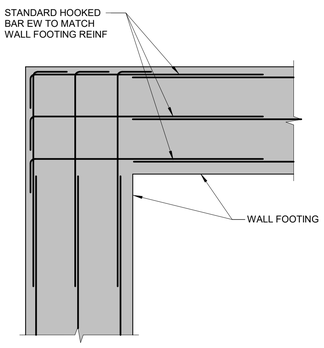


NOTES:

1. CENTER PIPES THROUGH SLEEVES. SLEEVES TO BE 6" LARGER THAN PIPES.
2. FOR PIPES 3'-0" OR LESS BELOW FOOTING, PROVIDE SLEEVE AND CONCRETE AS SHOWN. MORE THAN 3'-0", COMPACT BACKFILL OVER PIPE TO 90% AS APPROVED BY GEOTECHNICAL ENGINEER OR USE STEPPED FOOTING BELOW PIPE.

4 PIPE THROUGH WALL / FOOTING

NO SCALE



5 FOOTING INTERSECTION

NO SCALE

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

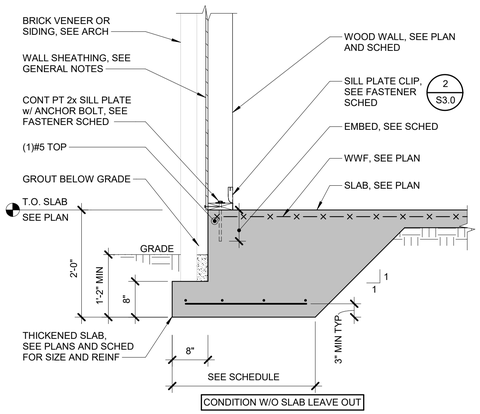
CONCRETE FOUNDATION DETAILS

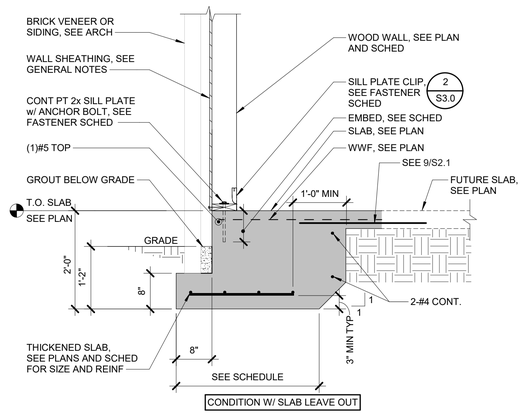
S2.0

IMEG
3708 FOREST VIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565
www.imegcorp.com

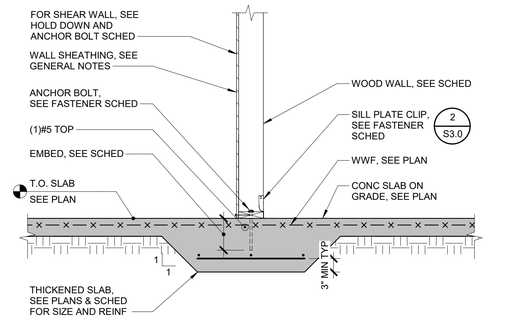
REF. SCALE IN INCHES 0 1 2 3

PROJECT #24003232.00

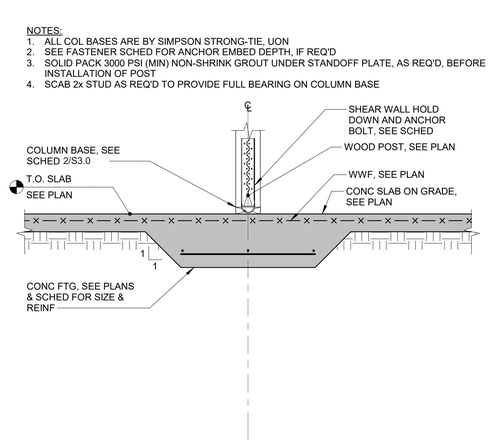




1 TURNDOWN AT BRICK LEDGE
NO SCALE



2 THICKENED SLAB AT INT WALL
NO SCALE



3 FOOTING AT WOOD POST
NO SCALE

4 SW AT BRICK LEDGE
NO SCALE

5 CORNER SW AT BRICK LEDGE
NO SCALE

6 INTERIOR STEEL COLUMN FOOTING
NO SCALE

7 STEEL COLUMN FOOTING @ SLAB LEAVE OUT
NO SCALE

8 BASE PLATE
NO SCALE

9 SECTION
NO SCALE

10 THICKENED SLAB @ DOUBLE STUD WALL
NO SCALE

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

FOUNDATION SECTIONS & DETAILS

S2.1

IMEG
3708 FOREST VIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565
www.imegcorp.com

North Carolina Design Registration #F-1507

0 1 2 3
REF. SCALE IN INCHES

PROJECT #24003232.00

NAIL FASTENING SCHEDULE

CONNECTION	NAIL LOCATION	NAIL (A)	GUN NAIL	STAPLE (B)
JOIST TO SILL OR GIRDER	TOENAIL	(3)8d	(3)3"x0.131"	(3)3" 14 GA
BRIDGING TO JOIST	TOENAIL EA END	(2)8d	(2)3"x0.131"	(2)3" 14 GA
SOLE PLATE TO JOIST OR BLOCKING	TYPICAL FACE NAIL	16d@16"	3"x0.131"@8"	3" 14 GA@12"
TOP PLATE TO STUD	END NAIL	(2)16d	(3)3"x0.131"	(3)3" 14 GA
STUD TO SOLE PLATE	TOENAIL	(4)8d	(4)3"x0.131"	(3)3" 14 GA
STUD TO SOLE PLATE	END NAIL	(2)16d	(3)3"x0.131"	(3)3" 14 GA
DOUBLE STUDS	FACE NAIL	16d@24"	3"x0.131"@8"	3" 14 GA@8"
DOUBLE TOP PLATES	TYPICAL FACE NAIL	16d@16"	3"x0.131"@12"	3" 14 GA@12"
DOUBLE TOP PLATES SPLICE (LAP 4'-0")	FACE NAIL	8-16d	(12)3"x0.131"	(12)3" 14 GA
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	TOENAIL	(3)8d	(3)3"x0.131"	(3)3" 14 GA
RIM JOIST TO TOP PLATE	TOENAIL	8d@6"	3"x0.131"@6"	3" 14 GA@6"
TOP PLATE INTERSECTIONS	FACE NAIL	(2)16d	(3)3"x0.131"	(3)3" 14 GA
CONTINUOUS HEADER, TWO PIECES	FACE NAIL	16d@16" T&B EDGE	-	-
CONTINUOUS HEADER, THREE PIECES	FACE NAIL	16d@16" T&B EA FACE	-	-
CEILING JOISTS TO PLATE	TOENAIL	(3)8d	(5)3"x0.131"	(5)3" 14 GA
CONTINUOUS HEADER TO STUD	TOENAIL	(4)8d	-	-
CEILING JOISTS, LAPS OVER PARTITIONS	FACE NAIL	(3)16d MIN	(4)3"x0.131"	(4)3" 14 GA
1"x8" SHEATHING TO EA BEARING WALL	FACE NAIL	(2)8d	-	-
WIDER THAN 1"x8" SHEATHING TO EA BRG	FACE NAIL	(3)8d	-	-
BUILD-UP CORNER STUDS	FACE NAIL	16d@24"	3"x0.131"@16"	3" 14 GA@16"
2" PLANKS	AT EA BEARING	16d	-	-

NOTES:

1. ALL NAILS TO BE COMMON WIRE NAILS EXCEPT WHERE OTHERWISE STATED.
2. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16".

FASTENER SCHEDULE

LOCATION	UPLIFT	FASTENER (1)	CONNECTION: TRUSS/RAFTER OR STUD POST	CONNECTION: PLATE/FDN
ROOF TRUSS (2)	<455# <600# <1200# >1200#	(1)H5 (1)H2.5A (2)H2.5A SEE DETAIL 5/S3.3	(4)8d (5)8d (5)8d	(4)8d (5)8d (5)8d
TOP PLATE CLIP AT EXT WALLS & INT WALLS w/ ROOF BEARING (4)		SPH@32" (7)	(12)10dx1 1/2	-
GROUND FLOOR SILL PLATE CLIP AT EXT & INT WALLS w/ ROOF BEARING (4)		SPH@32" (7)	(12)10dx1 1/2	-
SILL PLATE TO FOUNDATION SLAB OR CMU WALLS (5) (6)		1/2"Ø ANCHOR BOLT w/ 2x2x1/8" PL WASHER OR "MASA" @ 32"		
AT BALCONIES: BEAM TO POST		(2)CS20	(9)8d EA END	-
POST TO FOUNDATION		DTT2	(8)SDS 1/4"x2 1/2"	1/2"Ø (3)

NOTES:

1. ALL CONNECTORS LISTED ARE SIMPSON STRONG-TIE, UON. OTHER MANUFACTURERS MAY BE SUBSTITUTED. NAIL SIZE AND NUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER'S CATALOG. ROOF TRUSS CLIPS SHALL BE SELECTED TO PROVIDE THE UPLIFT RESISTANCE SHOWN ON THE ROOF TRUSS SHOP DRAWINGS.
2. IN ADDITION TO SCHEDULED HOLD DOWN, PROVIDE (3)10d TOE NAILS.
3. EMBEDMENT OF ANCHOR BOLTS SHALL BE AS FOLLOWS:

BOLT TYPE	1/2"Ø	5/8"Ø	3/4"Ø	7/8"Ø
EMBEDDED ANCHOR @ INTERIOR	7"	7"	7"	7"
EMBEDDED ANCHOR @ EDGE	7"	7"	8"	10"
EMBEDDED ANCHOR IN TOP OF CMU WALL	7"	9"	13"	18"
EPOXIED THREADED ROD	--SEE GENERAL NOTES--			
EXPANSION ANCHOR	--SEE GENERAL NOTES--			

EDGE DISTANCE FOR SILL PLATE BOLTS SHALL BE A MIN OF 1/2 OF SILL WIDTH. EDGE DISTANCE FOR HOLDDOWNS AND ALL OTHERS SHALL BE 2 1/2" MIN EMBEDDED ANCHOR BOLTS SHALL BE HEADED OR BE THREADED RODS WITH A NUT ATTACHED TO THE EMBEDDED END. J-BOLTS GREATER THAN 1/2"Ø ARE NOT PERMITTED.

4. WHEN TRUSS UPLIFT EXCEEDS 400 LBS, PROVIDE WALL CLIPS AND STRAPPING AT 16", OR LTT20B FROM TRUSS TO STUD AND STUD TO SLAB.
5. AT INTERIOR WALLS, 1/2"Ø EXPANSION BOLTS MAY BE SUBSTITUTED. AT EXTERIOR WALLS, 1/2"Ø THREADED RODS EPOXIED INTO THE SLAB MAY BE SUBSTITUTED. AT BOTH INTERIOR AND EXTERIOR WALLS, SIMPSON TITEN THD50800H SCREWS MAY BE SUBSTITUTED.
6. SEE SHEAR WALL SCHEDULE FOR SILL PLATE ATTACHMENT AT SHEAR WALLS.
7. TOP PLATE CLIPS AND SILL PLATE CLIPS AT ELEVATED FLOORS MAY BE SUBSTITUTED w/ (2)SDWC15600 SCREWS. SILL PLATE CLIPS AT THE GROUND FLOOR MAY BE SUBSTITUTED w/ (3) SDWC15450 SCREWS. INSTALL PER SIMPSON'S PRINTED INSTRUCTIONS.

STUD SCHEDULE

EXTERIOR	INTERIOR
(2)2x6@16" SPF #1/#2	(2)2x6@16" SPF #1/#2

NOTES

1. SPF DENOTES SPRUCE-PINE-FIR (SYP #2 MAY BE SUBSTITUTED).
2. INTERIOR NON LOAD BEARING STUDS SHALL BE 2x4@24" OR 2x6 @ 24" STUD GRADE SPF.
3. WHERE (2)2x6 STUDS ARE REQUIRED, THIS DOUBLE STUD COMBINATION SHALL BE CONSIDERED AS ONE STUD IN ALL NOTES AND DETAILS THAT REFER TO A "NUMBER OF STUDS" REQUIRED (EXCEPT FOR SHEAR WALL SCHEDULE). ALL DOUBLE STUDS SHALL BE NAILED TOGETHER AS PER DETAIL 7/S3.0

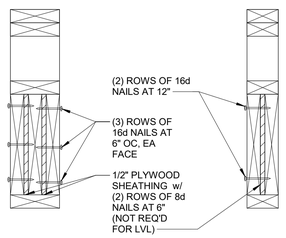
HEADER & OPENING FRAMING SCHEDULE

MARK	MEMBER SIZE	POST VALUES: POST SIZE	POST VALUES: # TRIMMERS	POST VALUES: #KING	CLEAR SPAN	MEMBER SIZE	REMARKS
H1	(3) 2x6	(4)2x6	1	3	≤4'-2"	EXTERIOR	-
H2	(3) 2x8	(4)2x6	1	3	≤5'-0"	EXTERIOR	-
H3	(3) 2x10"	(5)2x6	1	4	≤6'-0"	EXTERIOR	-
H4	(3) 2x12"	(2)2x6 + (4)2x6	2	4	≤8'-6"	EXTERIOR	-
H5	(3) 1.75x9.25 LVL	(4)2x6 + (5)2x6	4	5	≤12'-4"	EXTERIOR	-
H6	(3) 2x6	(2)2x6	1	1	≤4'-0"	INTERIOR	-

NOTES

1. ALL HEADERS AND BEAMS SHALL BE FASTENED TOGETHER PER DETAIL 5/S3.0 AND 6/S3.0
2. BEAMS MARKED WITH * CAN SUBSTITUTE A (3)1.75"x7.25"LVL.
3. SPF DENOTES SPRUCE-PINE FIR (SYP #2 MAY BE SUBSTITUTED).
4. HEADERS IN NON LOAD BEARING WALLS ARE TO BE (2) 2x6 OR (3) 2x4.

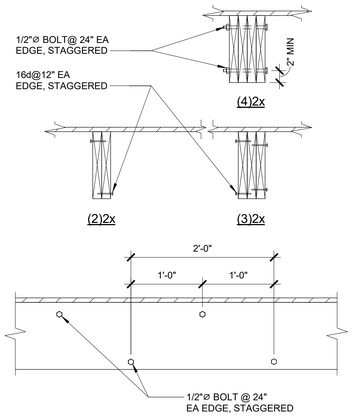
3 STUD SCHEDULE
NO SCALE

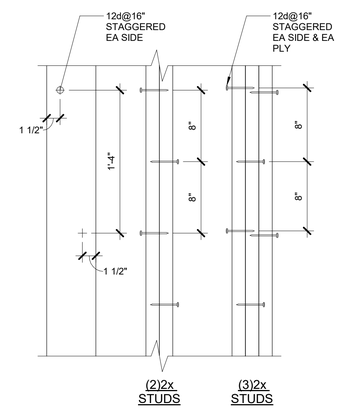


TRIPLE 2x HEADER

DOUBLE 2x HEADER

4 HEADER & OPENING SCHEDULE
NO SCALE





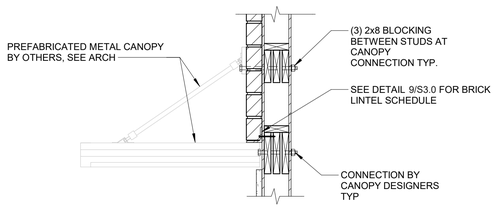
1 NAIL FASTENING SCHEDULE
NO SCALE

2 FASTENER SCHEDULE
NO SCALE

5 MULTI-PLY HEADERS
NO SCALE

6 BUILT-UP BEAMS
NO SCALE

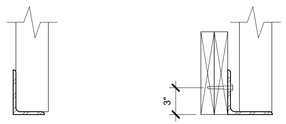
7 BUILT-UP COLUMNS/STUDS
NO SCALE



8 PREFABRICATED METAL CANOPY BY OTHERS
NO SCALE

4" BRICK LINTEL SCHEDULE

OPENING	LINTEL
< 6'-0"	L3 1/2x3 1/2x5/16
≤ 8'-0"	L5x3 1/2x5/16 LLV
> 8'-0"	L5x5x5/16 w/ 1/2"ø LAG SCREW INTO HEADER @ 24"



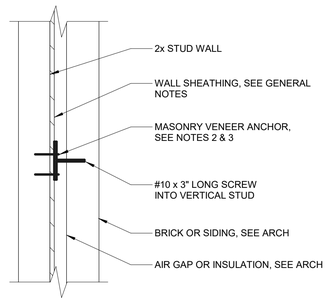
OPNG ≤ 8'-0"

OPNG > 8'-0"

NOTES:

1. PROVIDE 4" MIN BEARING EA SIDE OF OPENING.
2. CURVE ANGLE AS NECESSARY.
3. THE SHELF ANGLE SIZES SHOWN ARE THE MINIMUM REQUIRED BASED ON THE REQUIRED LOAD. THEY DO NOT NECESSARILY SATISFY THE ARCHITECTURAL FLASHING REQUIREMENTS AT DOOR AND WINDOW HEADS. THE MINIMUM BRICK BEARING ON THE LINTEL IS 2/3 OF THE THICKNESS OF THE BRICK, A MINIMUM OF 5 1/2" LEG ON THE SHELF ANGLE IS TYPICALLY REQUIRED IN THESE SITUATIONS. G.C. TO ENSURE SHELF ANGLE DOES NOT PROTRUDE BEYOND THE FACE OF BRICK.

9 BRICK LINTEL SCHEDULE
NO SCALE



NOTES:

1. COORD INFORMATION SHOWN w/ ARCH.
2. BRICK VENEER ELEVATIONS w/ AIR GAP PROVIDE (1) PIECE CORRUGATED METAL WALL TIE w/ VENEER ANCHOR @ 16" EW AT NON-INSULATED LOCATIONS w/ AIR GAP AND MAY BE USED UP TO 1/2" EXPECTED ALLOWABLE MOVEMENT.
3. BRICK VENEER ELEVATIONS w/ INSULATED GAP PROVIDE: GASKETS WALL I-TIES OR SIMILAR POCKET TYPE TO RECEIVE THE INSULATION BOARD & PROVIDE POSITIVE CONTACT w/ WOOD STUDS.

10 BRICK TIE SCHEDULE
NO SCALE

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

WOOD SCHEDULES & DETAILS

S3.0

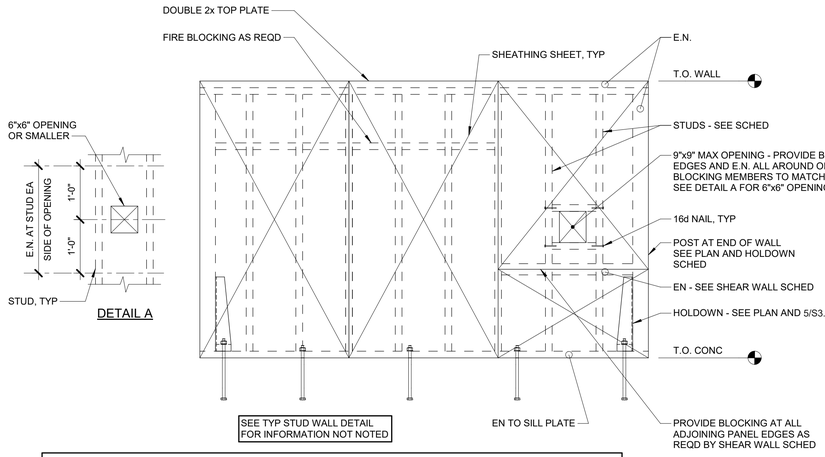
IMEG
3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565
www.imegcorp.com

North Carolina Design Registration #F-1507

REF. SCALE IN INCHES 0 1 2 3

PROJECT #24003232.00

Autodesk Docs://24003232.00 - Bradley Built - Angier NC - MOB/S24_24003232.00_Bradley Built - Angier NC - MOB_C.rvt



SHEAR WALL SCHEDULE

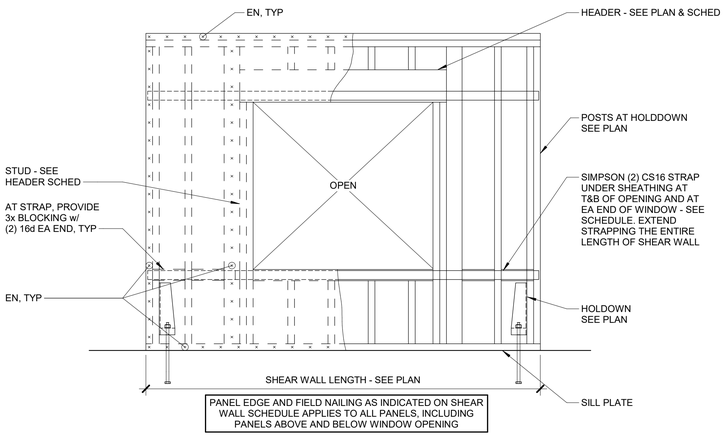
MARK	SHEATHING (NOMINAL THICKNESS)	SIDES	SHEATHING NAILING		BLOCKING REQUIRED	SILL PLATE ATTACHMENT	REMARKS
			EDGE (E.N.)	FIELD (F.N.)			
SW6	7/16" OSB OR PLYWOOD	ONE	8d @ 6"	8d @ 12"	YES	1/2" DIA ANCHOR BOLT OR MASA 32"	
SW4	7/16" OSB OR PLYWOOD	ONE	8d @ 4"	8d @ 12"	YES	1/2" DIA ANCHOR BOLT OR MASA 32"	
SW3	7/16" OSB OR PLYWOOD	ONE	8d @ 3"	8d @ 12"	YES	1/2" DIA ANCHOR BOLT OR MASA 32"	

NOTES:

1. APA RATED, STRUCTURAL 1, 15/32" MIN, 5-PLY, EXPOSURE 1 OR APPROVED OSB.
2. ALL NAILS SHALL BE COMMON OR GALVANIZED BOX NAILS WITH 1 1/2" MIN PENETRATION INTO FRAMING.
3. FOR TRANSFER NAILING, PREDRILL HOLES FOR NAILS WHERE NAILS TEND TO SPLIT WOOD.
4. PROVIDE 3x STUDS OR 3x BLOCKING AT ADJOINING PANEL EDGES,
5. SEE GENERAL NOTES FOR PLYWOOD INFORMATION.
6. PROVIDE BLOCKING IN SHEAR WALL PER TYP SHEAR WALL ELEVATION DETAIL.
7. STAGGER VERTICAL JOINTS IN OSB SHEETS WHERE SHEAR WALLS ARE SHEATHED ON BOTH SIDES.
8. WHERE ROOF JOISTS ARE PERPENDICULAR TO SHEAR WALL, PROVIDE SIMPSON H8 CLIP FROM ROOF JOIST TO DOUBLE PLATE IN ADDITION TO CLIP SHOWN ON SHEAR WALL SCHED.
9. NUMBER OF ANCHOR BOLTS REQD EQUAL TO WALL LENGTH DIVIDED BY BOLT SPACING.
10. HOLDOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS. HOLDOWNS SHALL BE FINGER TIGHT AND WRENCH TURNED JUST PRIOR TO COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS ON THE POST ON THE OPPOSITE SIDE OF THE ANCHORAGE DEVICE. PLATE SIZE SHALL BE A MIN OF 0.299"x3" x 0'-3".
11. PLATE WASHERS AT SILL ANCHOR BOLTS IN SHEAR WALLS SHALL EXTEND TO WITHIN 1/2" OF THE PLATE EDGE ON THE SIDE(S) WITH SHEATHING. USE SIMPSON BPS3/4-6 OR EQUIVALENT AT 6 INCH NOMINAL WALLS.
12. 1/2" EDGE DISTANCE FROM THE PANEL EDGES AND 3/8" FROM THE EDGE OF CONNECTING MEMBERS.
13. ALL WOOD STRUCTURAL PANEL JOINT AND SILL PLATE NAILING SHALL BE STAGGERED AT ALL PANEL EDGES.
14. USE APA STRUC I WHERE FIRE TREATED PLYWOOD IS REQD.
15. SHEAR WALL SHEATHING SHALL BE CONTINUOUS THRU INTERSECTING WALLS OR PROVIDE DETAIL 6/S3.1.
16. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH PLYWOOD. UON ON THE PLANS NAILING SHALL BE PER MARK SW6.
17. SEE DETAILS 2/S3.1 AND 3/S3.1 FOR ALLOWABLE PENETRATIONS IN SHEAR WALLS.
18. SEE DETAIL 4/S3.1 FOR PERFORATED OPENINGS IN SHEAR WALLS.

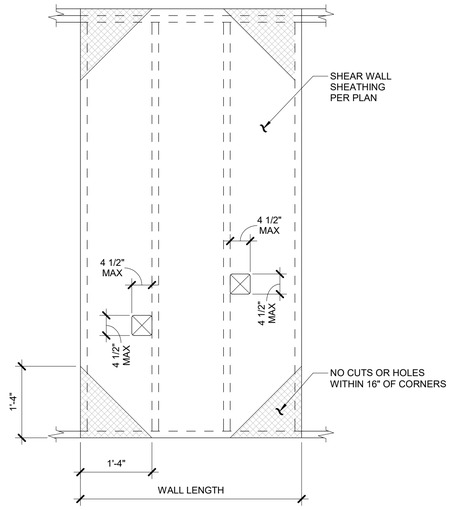
1 WOOD SHEAR WALL SCHEDULE & ELEVATION

NO SCALE



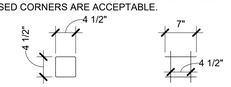
4 OPENING IN SHEAR WALL WITH HOLDOWNS

NO SCALE



NOTES:

1. THE TOTAL NUMBER OF LENGTH OF ALL OPENINGS CUT IN SHEATHING NOT TO EXCEED 20% OF SHEAR WALL LENGTH. EXAMPLE: FOR A 4'-0" PANEL AS SHOWN, TOTAL ALLOWABLE LENGTH = 20% OF 4' = 9.6". TWO 4 1/2" OPENINGS = 9" TOTAL LENGTH, WHICH IS UNDER THE LIMIT IN THIS CASE.
2. FOR SAW CUT OPENINGS, LENGTH IS DEFINED AS THE LENGTH OF THE SAW CUT AT THE MAXIMUM POINT. ONLY CIRCULAR HOLES OR SAW CUTS WITH RADIUSED CORNERS ARE ACCEPTABLE.

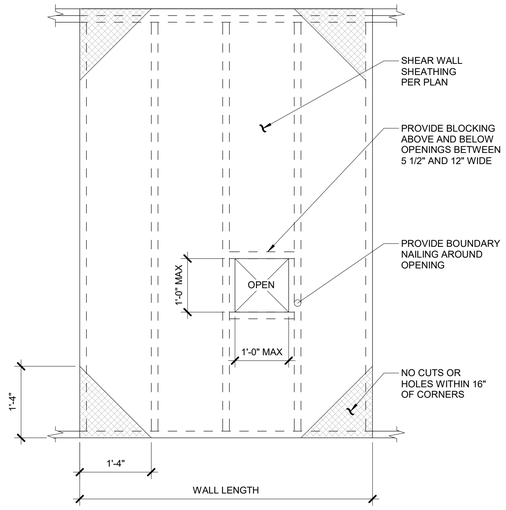


ACCEPTABLE

UNACCEPTABLE (LENGTH = 7")

2 ALLOWABLE SMALL HOLES IN SHEAR WALL

NO SCALE



NOTES:

1. THE TOTAL NUMBER OF ALL OPENINGS CUT IN SHEATHING NOT TO EXCEED 20% OF SHEAR WALL LENGTH. EXAMPLE: FOR A 5'-4" PANEL AS SHOWN, TOTAL ALLOWABLE LENGTH = 20% OF 5.33' = 12.8". ONE 12" OPENING, WOULD BE ACCEPTABLE IN THIS CASE.
2. FULL HEIGHT STUDS SHALL BE SPACED NO MORE THAN 16". HOLE SHALL BE LOCATED BETWEEN STUDS. IT IS ACCEPTABLE TO MODIFY LOCATIONS OF STUDS, PROVIDED THEY ARE SPACED NO MORE THAN 16" AND SHEATHING IS NAILED TO EVERY STUD PER SHEAR WALL SCHEDULE / ELEVATION DETAIL.

3 ALLOWABLE LARGE HOLES IN SHEAR WALL

NO SCALE

HOLDOWN SCHEDULE

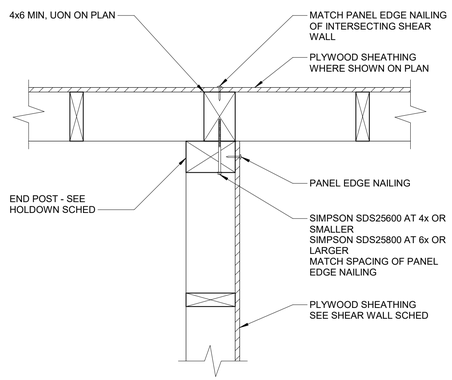
MARK	MODEL	THREADED ROD ANCHOR	POST IN 2x6 WALL	POST IN 2x4 WALL
H12	HD12	PAB8 8" EMBED	6-2x6	
H7	HD7B	PAB7 8" EMBED	2-2x6	6-2x4
H3	HD3B	PAB5 8" EMBED	2-2x6	4-2x4

NOTES:

1. TYPICAL POST SIZE SHOWN IN SCHEDULE, UON ON PLAN.
2. INSTALL HOLDOWNS PER SIMPSON STRONG-TIE SPECIFICATIONS.
3. NOTCHES ARE NOT ALLOWED IN SHEAR WALL END POSTS.
4. SEE TYPICAL DETAIL 'SIMPSON HOLDOWNS (NON-ATS) FOR THREADED ROD HOLDOWN ANCHOR INFORMATION.
5. PAB STANDS FOR PRE-ASSEMBLED ANCHOR BOLT. GIVEN EMBED DEPTHS ARE MINIMUM DEPTHS.

5 SIMPSON HOLDOWN SCHEDULE

NO SCALE



6 SHEAR WALL INTERSECTION

NO SCALE

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS

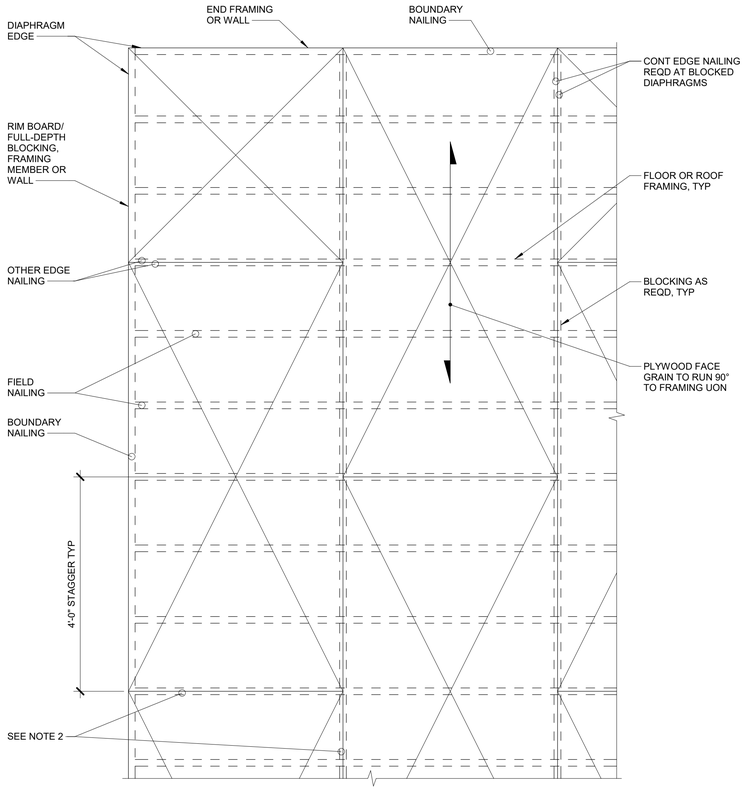
PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

WOOD SHEAR WALL SCHEDULES & DETAILS

S3.1

IMEG
3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565
www.imegcorp.com

0 1 2 3
REF. SCALE IN INCHES
PROJECT #24003232.00

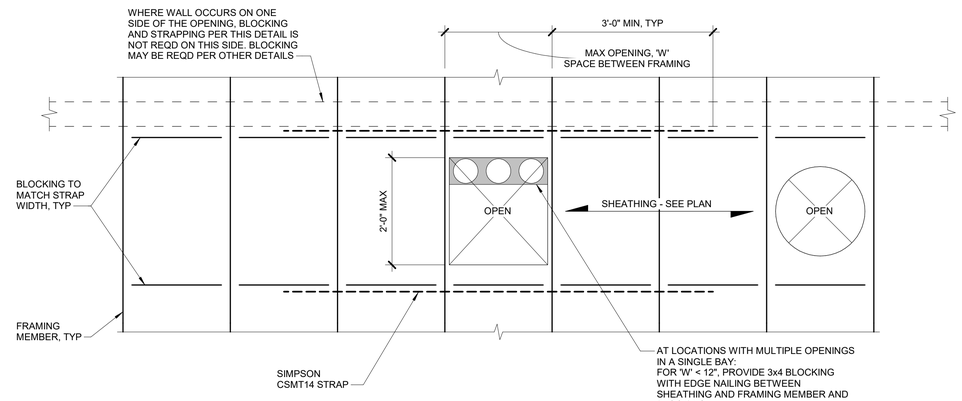


PLYWOOD NAIL SPACING SCHEDULE

LOCATION	BOUNDARY NAILING	CONT EDGE NAILING	OTHER EDGE NAILING	FIELD NAILING	SOLID BLOCKING	REMARKS
ROOF	6"	6"	6"	12"	YES	-

NOTES:

1. SHEATHING NAILS SHALL BE 10d NAILS, PENETRATING 2 1/4" INTO THE FRAMING MEMBER OR BLOCKING. ALL NAILS SHALL BE COMMON NAILS.
2. ALL INTERIOR PANEL EDGES SHOWN ON NAILING PLAN SHALL HAVE TWO ROWS OF BOUNDARY EDGE NAILING. ONE ROW EACH EDGE WHERE SHEATHING PANELS ABUT.
3. PLYWOOD THICKNESS AND GRADE PER PLAN AND GENERAL NOTES.
4. ALL SHEATHING PANELS TO BE 4'-0" x 8'-0" EXCEPT WHERE JOB CONDITIONS PROHIBIT. JOINTS FROM SUCCESSIVE ROWS SHALL BE STAGGERED 4'-0" AS SHOWN. MINIMUM PANEL SIZE TO BE 2'-0" x 2'-0".
5. THE OWNER SHALL APPROVE THE USE OF OSB SHEATHING IN LIEU OF PLYWOOD SPECIFIED ON THE APPROVED CONTRACT DOCUMENTS.
6. SEE DETIALS 2/S3.2 AND 3/S3.2 FOR OPENING IN ROOF DIAPHRAM.

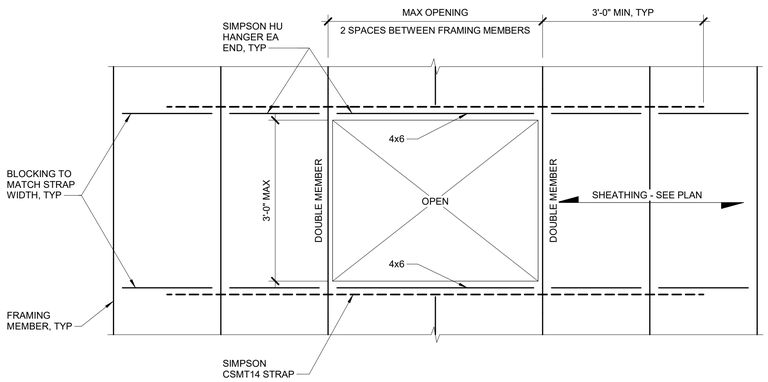


1 ROOF DIAPHRAGM

NO SCALE
6510-01

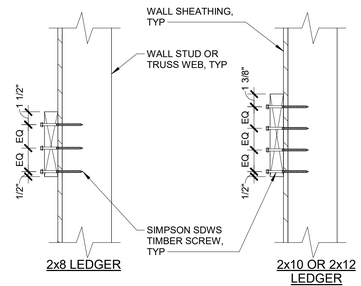
2 SMALL OPENING AT PLYWOOD DIAPHRAGM

NO SCALE
6510-02



3 LARGE OPENING AT PLYWOOD DIAPHRAGM

NO SCALE
6510-03



4 SCREW SPACING AT 2x LEDGER

NO SCALE

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

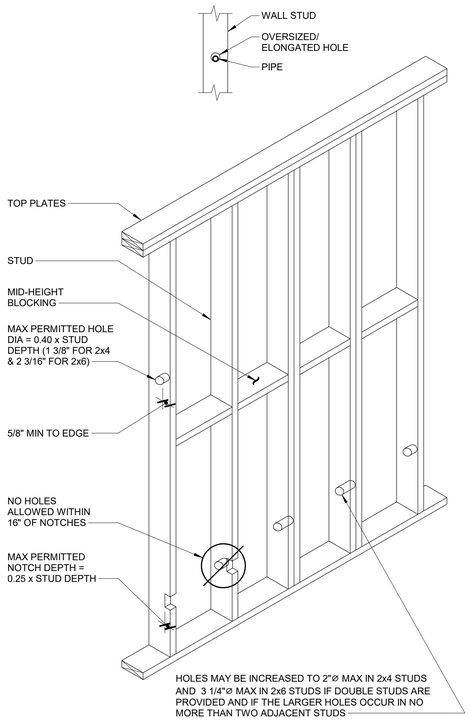
PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

WOOD SECTIONS & DETAILS

S3.2

IMEG
3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565
www.imegcorp.com

0 1 2 3
REF. SCALE IN INCHES
PROJECT #24003232.00

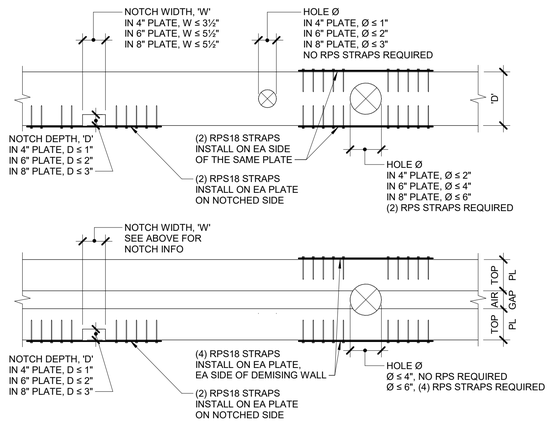


TYPICAL NOTES FOR BEARING WALLS:

1. HOLES AND NOTCHES ARE PROHIBITED IN POSTS AND COLUMNS. PROVIDE SIMPSON NAIL STOP AT ALL PLUMBING PIPE AND ELECTRICAL WIRES OR CABLE.
2. HOLES SHALL NOT BE LOCATED IN THE SAME STUD AS A CUT OR A NOTCH.
3. CONTACT STRUCTURAL ENGINEER PRIOR TO CUTTING OR NOTCHING IF HOLES GREATER THAN 20% STUD WIDTH OR NOTCHES GREATER THAN 10% STUD WIDTH ARE REQUIRED IN TWO OR MORE CONSECUTIVE STUDS.
4. IF HOLE SIZE EXCEEDS VALUE FROM TABLE, PROVIDE SIMPSON HSS STUD SHOE.

1 NOTCH AND HOLE LIMITATIONS IN STRUCTURAL WALLS

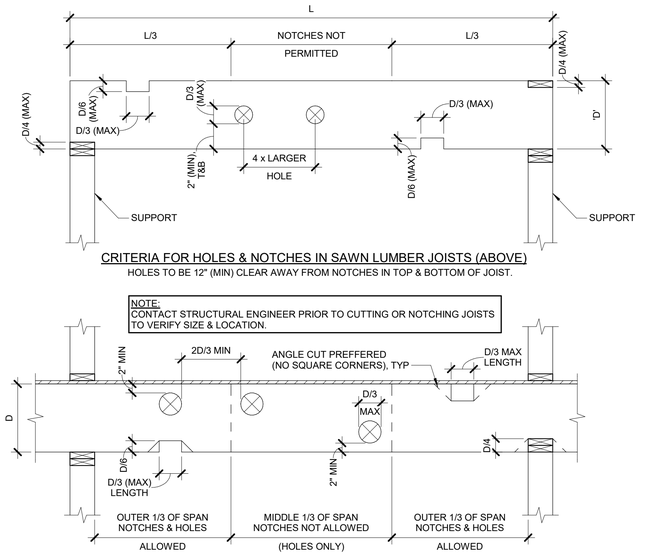
NO SCALE



NOTES:
1. NOTCHES SHALL HAVE A MINIMUM HORIZONTAL SPACING OF 6'-0".
2. HOLES SHALL HAVE A MINIMUM HORIZONTAL SPACING OF 12".
3. INSTALL RPS STRAPS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. NOTIFY ENGINEER OF ANY PENETRATION THAT DOES NOT MEET THE REQUIREMENTS NOTED ABOVE.

2 NOTCH AND BORING LIMITS FOR TOP PLATES

NO SCALE

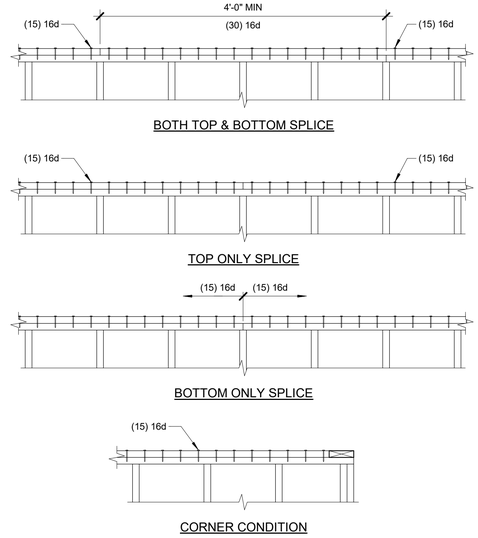


CRITERIA FOR HOLES & NOTCHES IN SAWN LUMBER JOISTS (ABOVE)

HOLES TO BE 12" (MIN) CLEAR AWAY FROM NOTCHES IN TOP & BOTTOM OF JOIST.

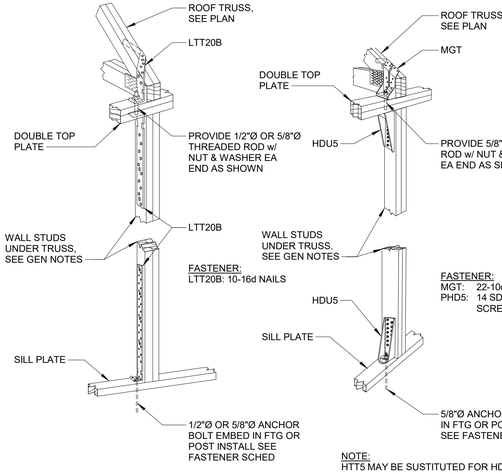
3 LIMITS FOR HOLES IN JOISTS

3/4" = 1'-0"
6600-05



4 TOP PLATE SPLICE AT BEARING / SHEAR WALL

NO SCALE

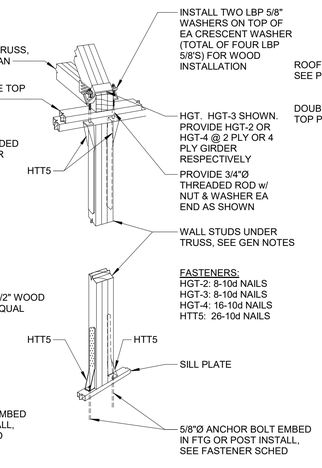


LTT20B

CAPACITY = 1750#

MGT w/ HDU5

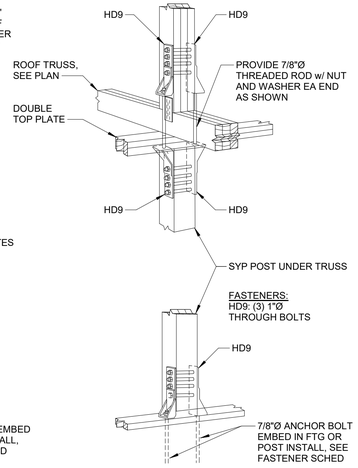
CAPACITY = 3965#



HGT w/ 2-HTT5

CAPACITY = 8550#

NOTE:
HTT5 MAY BE SUSTITUTED FOR HDU5.



2-HD9 HOLDDOWNS

UPLIFT CAPACITY IS BASED ON MINIMUM THICKNESS OF POST OR COMBINED THICKNESS OF TRUSSES AS FOLLOWS:

THICKNESS	UPLIFT
3"	17,600#
4 1/2"	24,350#

NOTES:
1. GIRDER HOLDDOWNS SHALL BE FROM STUD TO STUD @ EA FLOOR AND FROM STUD INTO SLAB ON GRADE SO AS TO PROVIDE A CONTINUOUS PATH FOR WIND LOADS FROM THE GIRDER TO THE FOUNDATION.
2. AT HEADERS, LOWER HOLDDOWN SHALL BE TURNED AND NAILED TO HEADER. PROVIDE SAME SIZE HOLDDOWN @ EA SIDE OF OPENING FROM STUDS INTO SLAB ON GRADE. ATTACH HEADER TO STUDS EA SIDE OF OPENING WITH SIMPSON COIL STRAPS AS FOLLOWS:
   - IF HOLDDOWN IS LTT20B: 2-CS20
   - IF HOLDDOWN IS PHD5: 3-CS16
   - IF HOLDDOWN IS 2-HTT5: 6-CS16
   - IF HOLDDOWN IS 2-HD9: NOT ALLOWED

5 TYP GIRDER HOLDDOWNS

NO SCALE

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

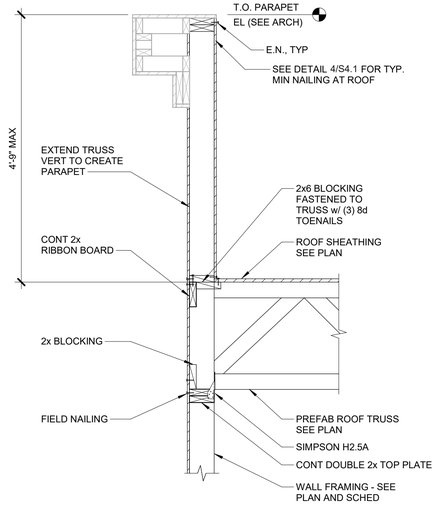
WOOD SECTIONS & DETAILS

S3.3

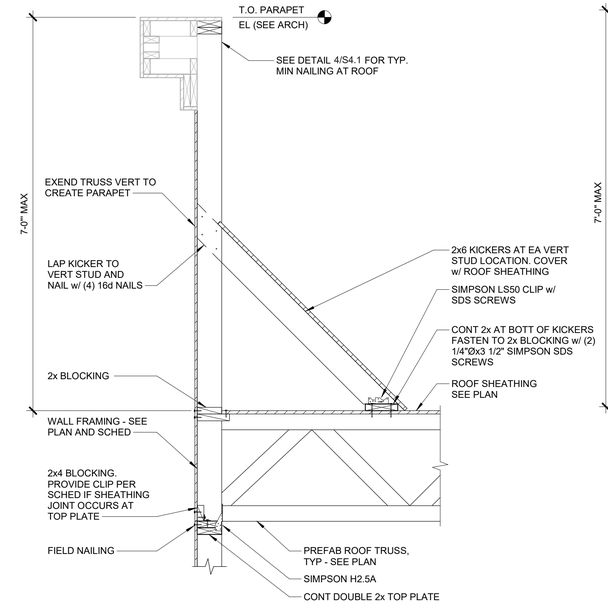
IMEG
www.imegcorp.com
3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565

0 1 2 3
REF. SCALE IN INCHES

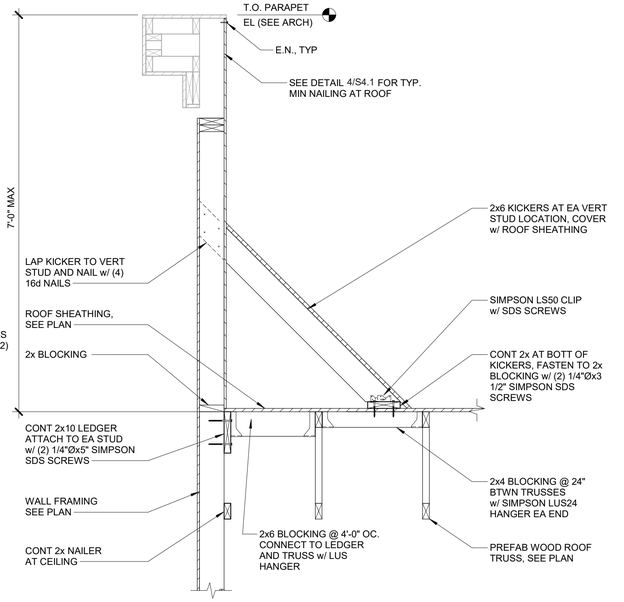
PROJECT #24003232.00



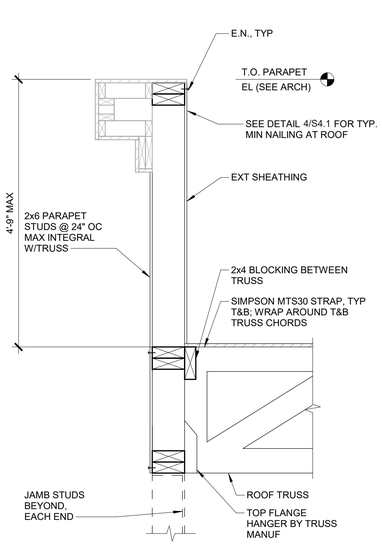
1 PARAPET AT TRUSS BEARING
NO SCALE



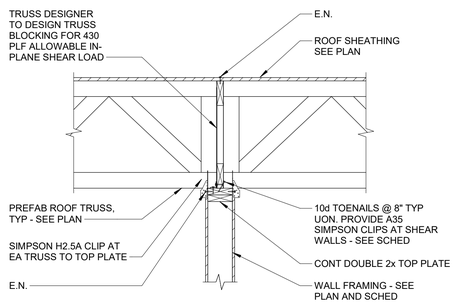
2 BRACED PARAPET AT TRUSS BEARING
NO SCALE



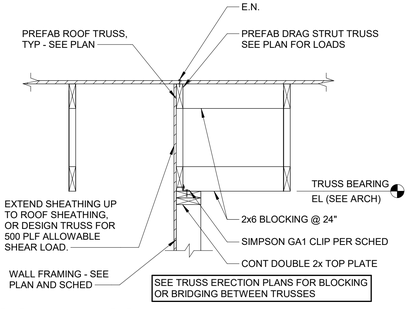
3 BRACED PARAPET AT PARALLEL ROOF TRUSS
NO SCALE



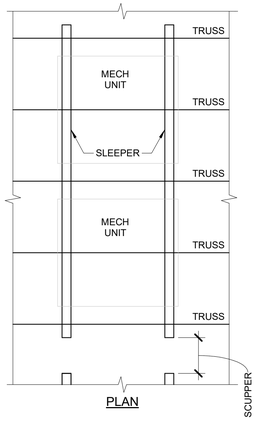
4 PARAPET OVER WINDOW AT PERPENDICULAR TRUSS
NO SCALE



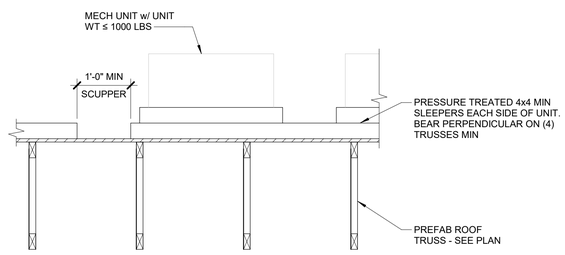
5 ROOF TRUSS CONNECTION TO INTERIOR BEARING WALL
NO SCALE



6 ROOF TRUSSES PARALLEL TO SHEAR WALL
NO SCALE



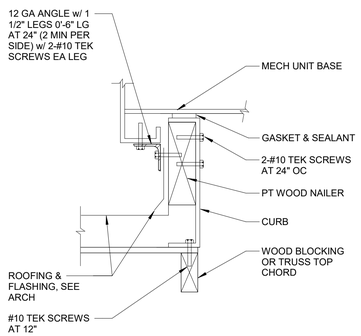
PLAN



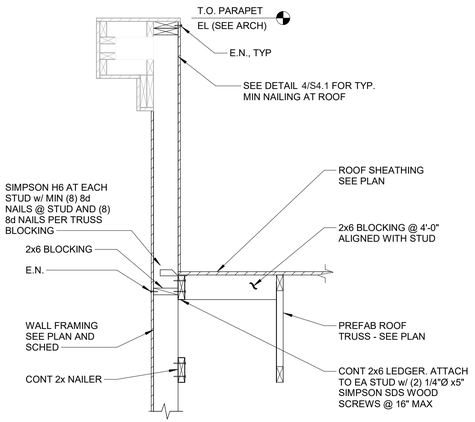
NOTES:

1. SEE ARCH DWGS FOR ROOFING / FLASHING DETAILS.
2. SEE MECH DWGS FOR MECH UNIT FASTENING TO SLEEPERS.

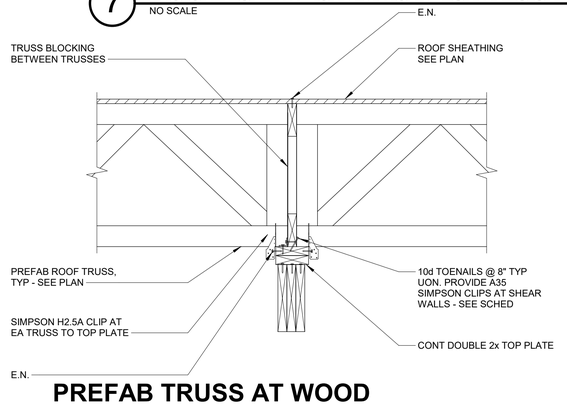
7 ROOFTOP MECHANICAL UNIT SUPPORT FOR WEIGHTS ≤000 LBS
NO SCALE



8 RTU ATTACHMENT DETAIL
NO SCALE



9 PARAPET AT PARALLEL TRUSS
NO SCALE



10 PREFAB TRUSS AT WOOD BEAM
NO SCALE

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

ROOF FRAMING SECTIONS & DETAILS

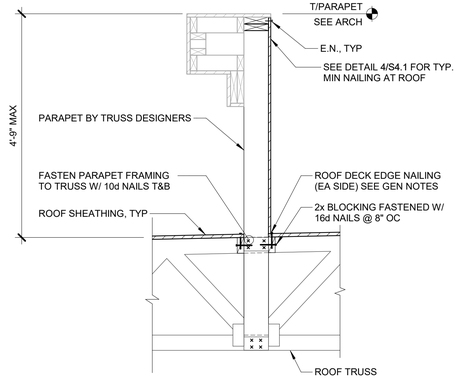
S4.0

IMEG
3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565
www.imegcorp.com

North Carolina Design Registration #F-1507

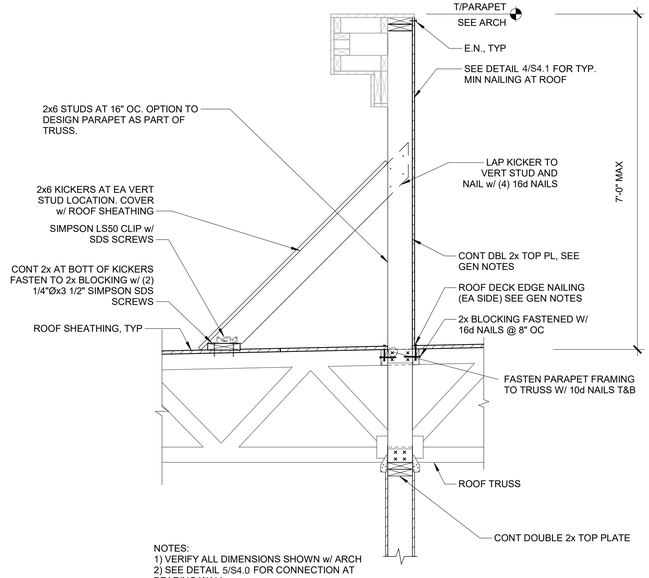
0 1 2 3
REF. SCALE IN INCHES

PROJECT #24003232.00



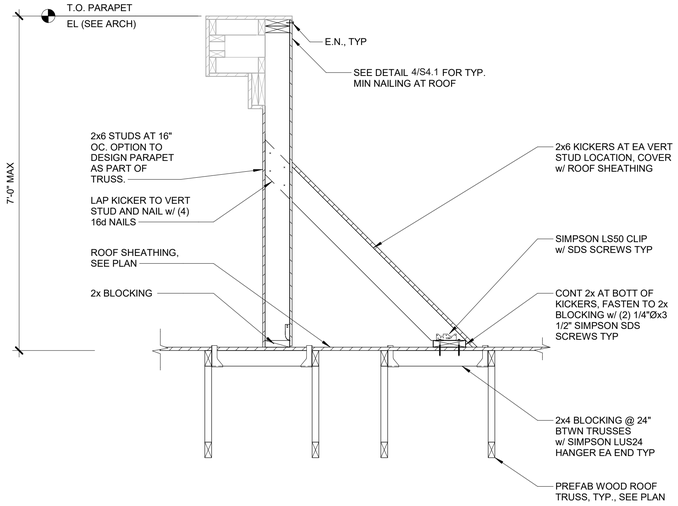
NOTES:
1) VERIFY ALL DIMENSIONS SHOWN w/ ARCH
2) SEE DETAIL 5/S4.0 FOR CONNECTION AT BEARING WALL CONDITION.
3) SEE DETAIL 10/S4.0 FOR CONNECTION AT HEADER BEAM CONDITION.

1 PARAPET RETURN
NO SCALE

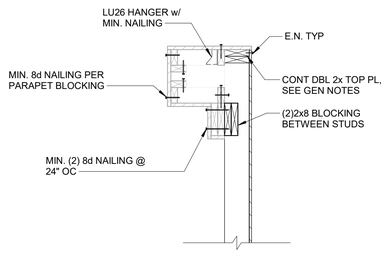


NOTES:
1) VERIFY ALL DIMENSIONS SHOWN w/ ARCH
2) SEE DETAIL 5/S4.0 FOR CONNECTION AT BEARING WALL.

2 PARAPET RETURN
NO SCALE



3 PARA PARAPET AT INTERIOR w/ KICKER
NO SCALE



4 TYP. STRUCTURAL STUD WALL PARAPET TO STICK FRAMED FINISH
NO SCALE

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

ROOF FRAMING SECTIONS & DETAILS

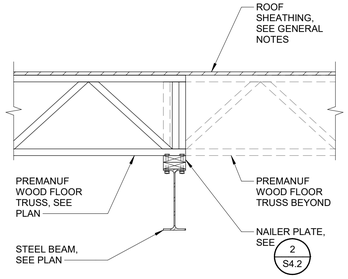
S4.1

IMEG
3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565
www.imegcorp.com

North Carolina Design Registration #F-1507

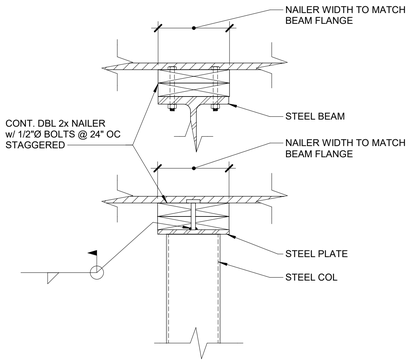
0 1 2 3
REF. SCALE IN INCHES

PROJECT #24003232.00



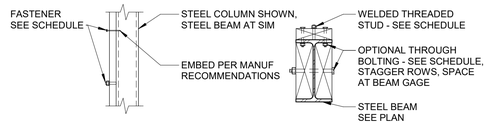
1 WOOD TRUSS AT STEEL BEAM

NO SCALE



2 WOOD NAILER TO STEEL BEAM

NO SCALE

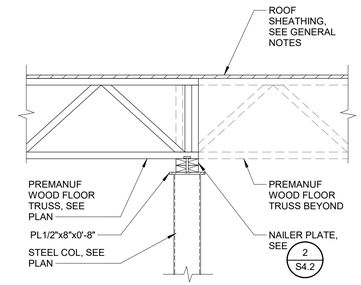


FASTENER TYPE	FASTENER SPACING	
	TYPICAL (UON)	AT WOOD SHEAR WALL END (NOTE 1) & AT STEEL BEAM SUPPORTING SHEAR WALL
0.145"ø PAF	24" OC	NOT ALLOWED, USE WELDED STUDS OR THROUGH BOLTS
1/2"Ø WELDED THREADED STUDS	24" OC	6 x TYP EDGE NAIL SPACING, 24" MAX
1/2"Ø THROUGH BOLTS IN STAGGERED ROWS	24" OC	6 x TYP EDGE NAIL SPACING, 24" MAX

NOTES:
1. WHERE SEPARATE WOOD POST AND HOLDOWN ARE INDICATED ON PLANS, THIS DETAIL SHALL NOT APPLY.
2. ONE ADDITIONAL FASTENER SHALL BE PROVIDED 6" FROM EACH END OF STUD/NAILER.
3. PROVIDE MIN 2x WOOD NAILER ON ALL SIDES OF STEEL COLUMN ADJOINING WOOD FRAMING, UNLESS OTHERWISE NOTED.
4. NAILER WIDTH TO MATCH BEAM FLANGE.

3 WOOD NAILER TO STEEL BEAM / COLUMN

NO SCALE



4 WOOD TRUSS AT STEEL COL

NO SCALE

GRAVITY BEAM CONNECTION SCHEDULE

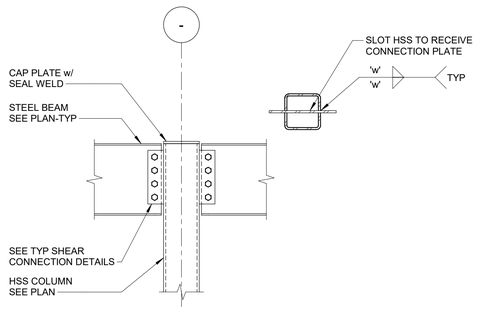
BEAM SIZE	NO. OF BOLTS (3)	CONNECTION WITH 3/4"Ø BOLTS	
		PL THICK	PL WELD (1)
C8, C10	2	1/4"	3/16"
W8, W10	2	1/4"	3/16"
W12, W14	3	1/4"	3/16"
W16	4	5/16"	1/4"
W18	5	5/16"	1/4"
W21	6	5/16"	1/4"
W24, W27	7	3/8"	1/4"
W30	8	3/8"	1/4"
W33	9	3/8"	1/4"
W36	10	3/8"	1/4"
W40	11	3/8"	1/4"
W44	12	3/8"	1/4"

GRAVITY BEAM CONNECTION SCHEDULE

BEAM SIZE	NO. OF BOLTS (3)	CONNECTION WITH 1"Ø BOLTS	
		PL THICK	PL WELD (1)
C8, C10	2	5/16"	1/4"
W8, W10	2	5/16"	1/4"
W12, W14	3	5/16"	1/4"
W16	4	3/8"	1/4"
W18	5	3/8"	1/4"
W21	6	3/8"	1/4"
W24, W27	7	3/8"	1/4"
W30	8	3/8"	1/4"
W33	9	1/2"	5/16"
W36	10	1/2"	5/16"
W40	11	1/2"	5/16"
W44	12	1/2"	5/16"

NOTES:

1. FILLET WELD SIZE, 'w', SHALL BE AS SHOWN UNLESS A LARGER SIZE IS REQUIRED BY AISC STEEL CONSTRUCTION MANUAL, TABLE J2.4.
2. BOLT SIZE AND QUANTITY SHALL BE TYP FOR ALL CONDITIONS UNLESS DETAILED OTHERWISE.



NOTES:

1. SLOT COLUMN WALLS TO ALLOW FOR INSTALLATION OF SHEAR PLATE FROM TOP OF COLUMN. SLOT TO NOT EXCEED 1/8" LARGER THAN SHEAR PLATE THICKNESS.
2. FOR WELDING OF CONNECTION PLATES, SEE TYP SHEAR CONNECTION DETAILS. .

5 SHEAR CONNECTION TO BEAM COLUMN

NO SCALE
5150-02

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL SEAL 040012 07/03/2024 ENGINEER JOSHUA A. HOOKER

ISSUED FOR PERMIT

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/2024
DRAWN BY:	JD
CHECKED BY:	JMS

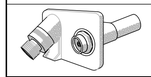
STEEL FRAMING IN WOOD DETAILS

S4.2

IMEG
www.imegcorp.com
3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
P: 919.650.6565

0 1 2 3
REF. SCALE IN INCHES
PROJECT #24003232.00

PLUMBING FIXTURE SCHEDULE

SYMBOL / IMAGE	DESCRIPTION	3 - EQUALS						PIPING CONNECTIONS		
		MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	COLD WATER	HOT WATER	SANITARY SEWER
CO-1	FLOOR CLEANOUT	ZURN	CO2449	MIFAB		JR SMITH		-	-	SEE PLUMB. DRAWINGS
	PVC CLEANOUT WITH AND ADJUSTABLE PVC RISER, NICKEL BRONZE FRAME AND COVER, AND AN ABS TAPER THREADED PLUG. CLEANOUT TO BE GAS AND WATERTIGHT.									
CO-2	EXTERIOR CLEANOUT	ZURN	Z-1449-EP	WATTS	CO-380-34B	JR SMITH	4283	-	-	SEE PLUMB. DRAWINGS
	CLEANOUT FERRULE WITH CAST IRON BODY, WITH GAS AND WATERTIGHT BRONZE PLUG, MOUNT IN CONCRETE.									
H-1	ANTIFREEZE HOSE BIBB	WOODFORD	65	WATTS	HY-420	MIFAB	MHY-15	3/4"	-	-
	ANTIFREEZE HOSE BIBB SHALL HAVE AUTOMATIC DRAINING WITH ANTI-SIPHON VACUUM BREAKER. 3/4" INLET AND OUTLET. EXTERIOR FINISH TO BE CHROME. PROVIDE WITH LOOSE TEE KEY FOR EACH HOSE BIBB. MOUNT 12" ABOVE FINISHED GRADE.									

PLUMBING SCHEDULE NOTES AND LEGEND:

1. THE PLUMBING CONTRACTOR MAY SUBSTITUTE FIXTURES WITH OWNERS' APPROVAL.
2. SUBMIT CUT SHEETS FOR ALL PROPOSED FIXTURES TO ARCHITECT PRIOR TO BIDDING.
3. PROVIDE VACUUM BREAKER ON ALL EQUIPMENT REQUIRING PLUMBING.
4. REFER TO MANUFACTURERS WEB SITE FOR CUT SHEETS AND DATA ON THE FIXTURES AND APPURTENANCES USED IN THIS SCHEDULE.

ADA COMPLIANT
ELECTRICAL POWER
GAS FIRED

PLUMBING GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
2. ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE PLUMBING CONTRACTOR.
3. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
4. THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCE'S SHALL BE BROUGHT TO THE ENGINEERS ATTENTION.
5. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
6. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR AND FINISHING BY GENERAL CONTRACTOR.
7. ALL PIPE, FITTINGS, FIXTURES, AND SOLDER TO BE LEAD FREE.
8. WATER PIPING BELOW GRADE SHALL BE TYPE 'K' COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE TYPE 'L' COPPER. SUPPORTED AS REQUIRED AND SHALL BE HYDROSTATICALLY TESTED FOR ONE HOUR AT 150 PSI. TEST TO COMPLY WITH ALL EPA STANDARDS. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
9. WATER PIPING LOCATED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF CEILING INSULATION (UNDERSIDE) AND WALL INSULATION (INSIDE).
10. ALL COLD AND HOT WATER PIPING SHALL BE INSULATED. INSULATE WASTE PIPING AS DESIGNATED ON PLUMBING DRAWINGS. INSULATION SHALL BE 1" FIBERGLASS. EXPOSED PIPING TO BE WRAPPED WITH ALUMINUM JACKET.
11. WATER SHUT - OFF VALVES ABOVE FINISHED CEILING ARE TO BE FREE FROM OBSTRUCTIONS SUCH AS DUCTWORK, LIGHTS, WIRING AND OTHER PIPING SO AS TO PROVIDE EASY ACCESS. MOUNT NO MORE THAN 2'-0" ABOVE FINISHED CEILING.
12. PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR MATERIAL.
13. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER HIS CONTRACT.
14. SANITARY SEWER AND VENT PIPING SHALL BE SCHEDULE 40 PVC. CELLULAR CORE (FOAM CORE) IS NOT ALLOWED. SANITARY SEWER AND VENT PIPING SHALL BE GAS AND AIR TIGHT.
15. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
16. THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS FOR WORK BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH WORK BY OTHERS AND AVOID ALL CONFLICTS.
17. LOCATIONS OF UTILITIES (WASTE AND WATER PIPING, ETC.) PROVIDED BY OTHERS, THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE FINAL CONNECTIONS AS REQUIRED.
18. VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
19. ALL VENT PIPING THROUGH THE ROOF SHALL BE A MINIMUM OF 5'-0" FROM ALL MAKE-UP AIR INLETS OR A MINIMUM OF 2'-0" ABOVE THE TOP OF ALL MAKE-UP AIR INLETS. VENTS THROUGH ROOF ARE TO BE ON REAR OF BUILDING.
20. SEE ARCHITECTURAL DRAWINGS FOR PLUMBING MINIMUM FACILITY CALCULATIONS.
21. ALL INDIRECT WASTE IS TO BE PROVIDED WITH AN AIR GAP 2 TIMES THE SIZE OF THE WASTE INLET.
22. THE PLUMBING CONTRACTOR SHALL VERIFY BUILDING FLOOR ELEVATION IS ABOVE MAN-HOLE RIM ELEVATION OR PROVIDE A BACKWATER VALVE AS REQUIRED.
23. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR DEMOLITION AT NO COST TO THE OWNER.
24. THE PLUMBING CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	COLD WATER PIPING
	WATER PIPING DIRECTION OF FLOW
	COLD WATER PIPING BELOW FINISHED FLOOR
	BALL VALVE
	WATER PIPING TURNED DOWN
	WATER PIPING TURNED UP
	PIPING SIDE CONNECTION
	SANITARY SEWER / WASTE PIPING
	SANITARY SEWER / WASTE PIPING DIRECTION OF FLOW
	GREASE WASTE PIPING
E.C.	FLOOR CLEANOUT
	ELECTRICAL EQUIPMENT BY ELECTRICAL CONTRACTOR. ROUTE PIPING TO AVOID.

3 FLOOR CLEANOUT DETAIL
Scale: NOT TO SCALE

NOTE: SEE SITE AND/OR UTILITY PLAN FOR LOCATION AND FINISH GRADE ELEVATION

2 EXTERIOR CLEANOUT DETAIL
Scale: NOT TO SCALE

1 HOSE BIBB DETAIL
Scale: NOT TO SCALE

Finley Design P.A.
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL CORPORATION
ATLANTEC ENGINEERS PA No. C-961

NORTH CAROLINA PROFESSIONAL SEAL 22035 ENGINEER JAMES B. DAPP JR.

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111

24074

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

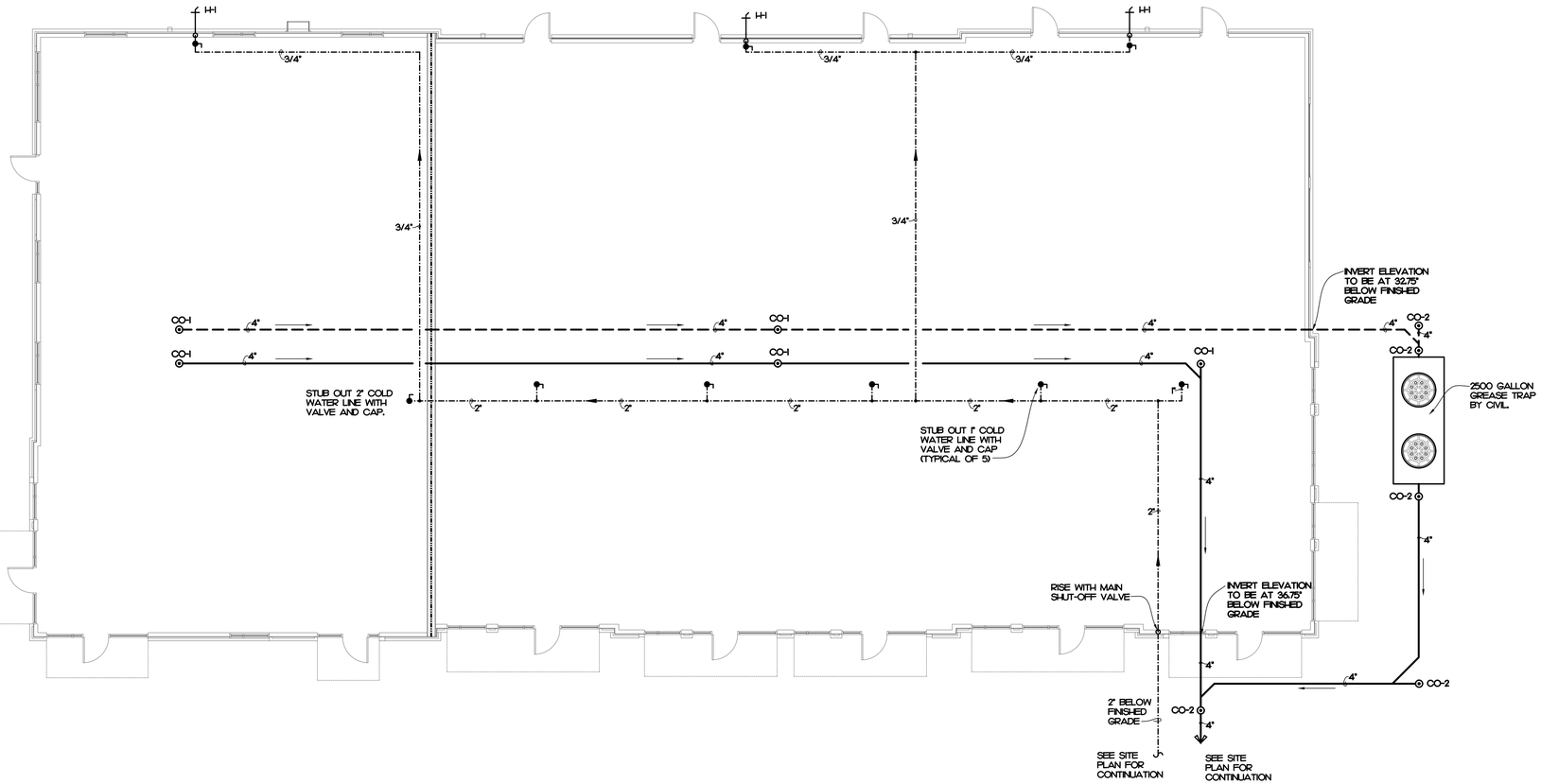
REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	JAD
CHECKED BY:	JBD

PLUMBING NOTES, LEGEND, DETAILS & FIXTURE SCHEDULE

P0.0

24074



1 **PLUMBING PLAN - SHELL**

Scale: 1/8" = 1'-0"

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL CORPORATION
ATLANTEC ENGINEERS PA No. C-961

NORTH CAROLINA PROFESSIONAL SEAL 22035 ENGINEER JASON BRADLEY DAVIS

ATLANTEC
ENGINEERS, PA
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111

24074

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	JAD
CHECKED BY:	JBD

PLUMBING PLAN - SHELL

P1.0

24074

SYMBOL LEGEND

SYMBOL	DESCRIPTION	REMARKS
	EXTERIOR WALL LIGHT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
PC	PHOTOCELL, 105-305VAC, 50/60HZ, 1800VA BALLAST LOAD 1000W TUNGSTEN LOAD, 8A LED LOAD (UP TO 2220W @277V)	TORK: Z5512
EM	EMERGENCY INVERTER FOR EXTERIOR LIGHTING	EMERGLITE: EMLI-250
WP	SPECIFICATION GRADE TAMPER RESISTANT, WEATHER RESISTANT AND GFCI DUPLEX RECEPTACLE WITH IN-USE WEATHER PROOF COVER. MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED.	HUBBELL: GFTWRST20-** WITH WP26M COVER PLATE
	120/208V 3Ø, 4W PANEL BOARD - SEE PANEL SCHEDULES	SQUARE D NQ
	UTILITY METER BASE	SEE POWER RISER
CAM	EXTERIOR JUNCTION BOX FOR FUTURE SECURITY CAMERA COORDINATE REQUIREMENTS WITH SECURITY CONSULTANT STUB 3/4" CONDUIT TO BUILDING INTERIOR	PER NEC
	42" X 42" NEMA 3R COMMUNICATIONS CABINET WITH LOCKABLE HINGED COVER	
A.F.C.	ABOVE FINISHED CEILING	
A.F.F.	ABOVE FINISHED FLOOR - NOTE ALL MOUNTING DIMENSIONS GIVEN ARE TO THE BOTTOM OF THE OUTLET BOX	
	2-HR RATED WALL	

GENERAL NOTES

1. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.
2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO THE INSTALLATION OF HIS EQUIPMENT SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE.
3. USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE GREEN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS IN EACH CONDUIT.
4. ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70).
5. EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
6. THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT, PRIOR TO INSTALLATION FOR USE WITH THE ACTUAL EQUIPMENT, CASEWORK, AND MILLWORK TO BE FURNISHED.
7. PENETRATION:
   - WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILINGS, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHODS.
   - WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS.
8. ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR.
9. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
10. THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS.
11. AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.
12. ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER THHN/THWN WIRE. ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75°C. ONLY THWN-2 WIRE SHALL BE INSTALLED IN WET AND EXTERIOR LOCATION.
13. MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 AWG.
14. ARMORED CABLE (TYPE AC) AND METAL-CLAD CABLE (TYPE MC) ARE ACCEPTABLE WIRING METHODS SUBJECTED TO THE FOLLOWING RESTRICTIONS:
   - SEE NEC 320 AND 330 FOR RESTRICTION.
   - PENETRATIONS OF RATED WALLS SHALL BE IN ACCORDANCE WITH APPROVED UL PENETRATION METHODS.
   - CABLE SHALL NOT BE USED FOR HOME RUN TO PANEL BOARD.
   - CABLE SHALL ONLY BE INSTALLED IN CONCEALED SPACE AND FURRED AREAS. MAX. LENGTH OF EACH SECTION IN ACCESSIBLE CONCEALED CEILING SPACES SHALL NOT EXCEED 10 FT.
   - WHERE REQUIRED BY NEC 517.13, CABLE SHALL BE LISTED FOR THE USE.
15. THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3). FEEDING CIRCUITS WITH SHARED NEUTRAL SHALL BE SWITCHED TOGETHER.
16. ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS.
17. ALL PANELS SHALL BE THREE PHASE, FOUR WIRE UNLESS OTHERWISE NOTED.
18. BOXES AND CONDUITS SHALL NOT BE INSTALLED RECESSED IN A 3-HOUR OR HIGHER RATED WALL, WHEN OUTLETS ARE INDICATED ON THESE WALLS, FIELD COORDINATE CONDUIT AND BOX INSTALLATION.
19. ELECTRICAL IDENTIFICATION
   - FURNISH AND INSTALL ENGRAVED LAMINATED PHENOLIC NAMEPLATES FOR ALL SAFETY SWITCHES, PANEL BOARDS, TRANSFORMERS, SWITCHBOARDS, MOTOR CONTROL CENTERS AND OTHER ELECTRICAL EQUIPMENT SUPPLIED FOR THE PROJECT FOR IDENTIFICATION.
   - FURNISH AND INSTALL SELF-ADHESIVE PLASTIC TAPE FOR ALL RECEPTACLE AND WALL SWITCH COVER PLATES INDICATING CIRCUIT NUMBERS.
20. THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE INSTALLATION OF THE NEW UNDERGROUND ELECTRICAL SERVICE WITH THE LOCAL UTILITY. THE OWNER SHALL PAY ALL CHARGES FOR THE INSTALLATION OF THE NEW UNDERGROUND UTILITY SERVICE.

2018 NORTH CAROLINA ENERGY CODE

ELECTRICAL SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE: PRESCRIPTIVE

	LIGHTING SCHEDULE:			
	FLUORESCENT T8/T5	LED	CFL	INCAN
LAMP TYPE REQUIRED:				
NUMBER OF LAMPS:	N/A	SEE	N/A	N/A
BALLAST TYPE USED:	N/A	FIXTURE	N/A	N/A
NUMBER OF BALLASTS:	N/A	SCHEDULE	N/A	N/A
TOTAL WATTAGE PER FIXTURE:	N/A		N/A	N/A

EXTERIOR WATTAGE	ZONE 3	
ALLOWANCE	548	750

NOTES:

1. ALL EXTERIOR LIGHTS:
   - CONTROLLED BY PHOTOCELL THAT WILL NOT INTENDED TO BE ON FOR 24 HOUR OPERATION.

DESIGNER STATEMENT:
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, 2018 - ENERGY.

SIGNED:
NAME: DAVID J. WHITNEY, P.E.
TITLE: ENGINEER

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	CATALOG	ELECTRICAL DATA	NOTES
A	EXTERIOR UP/DOWN WALL LIGHT	WAC LIGHTING: WS-W36614-AL	1140 LUMEN LED, 3000K ELECTRONIC DRIVER 21 WATTS - 23 VA, 120-277V	
AE	EXTERIOR UP/DOWN WALL LIGHT WITH INVERTER BACKUP	WAC LIGHTING: WS-W36614-AL	1140 LUMEN LED, 3000K ELECTRONIC DRIVER 21 WATTS - 23 VA, 120-277V	FIXTURE TO SERVE AS EMERGENCY EXTERIOR LIGHTING. CONNECT INVERTER CONTROL AHEAD OF PHOTOCELL CONTROL.
B	EXTERIOR DOWN WALL LIGHT	WAC LIGHTING: WS-W2509-AL	968 LUMEN LED, 3000K ELECTRONIC DRIVER 15 WATTS - 17 VA, 120-277V	
BE	EXTERIOR DOWN WALL LIGHT WITH INVERTER BACKUP	WAC LIGHTING: WS-W2509-AL	968 LUMEN LED, 3000K ELECTRONIC DRIVER 15 WATTS - 17 VA, 120-277V	FIXTURE TO SERVE AS EMERGENCY EXTERIOR LIGHTING. CONNECT INVERTER CONTROL AHEAD OF PHOTOCELL CONTROL.
CE	EXTERIOR DOWN WALL LIGHT WITH INVERTER BACKUP	WAC LIGHTING: WS-W3661O-AL	560 LUMEN LED, 3000K ELECTRONIC DRIVER 11 WATTS - 12 VA, 120-277V	FIXTURE TO SERVE AS EMERGENCY EXTERIOR LIGHTING. CONNECT INVERTER CONTROL AHEAD OF PHOTOCELL CONTROL.

NOTES:

1. SEE ARCHITECTURAL PLAN FOR MOUNTING LOCATION AND HEIGHT. FIELD COORDINATE MOUNTING HEIGHT WITH ARCHITECT IF NOT SHOWN ON ARCHITECTURAL PLAN.
2. E.C. SHALL SUBMIT CATALOG TO ARCHITECT FOR APPROVAL PRIOR PURCHASE ANY. FINISH COLOR/TRIM SUBJECT TO BE CHANGED PER ARCHITECT.
3. FIELD VERIFY FLUORESCENT LAMP COLOR WITH ARCHITECT PRIOR PURCHASE ANY.

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

ATLANTEC ENGINEERS PA No. C-961 NORTH CAROLINA PROFESSIONAL CORPORATION

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY
7/3/24

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111 24074

ANGIER MEDICAL COMPLEX
BUILDING 1
ANGIER, NC

REVISIONS

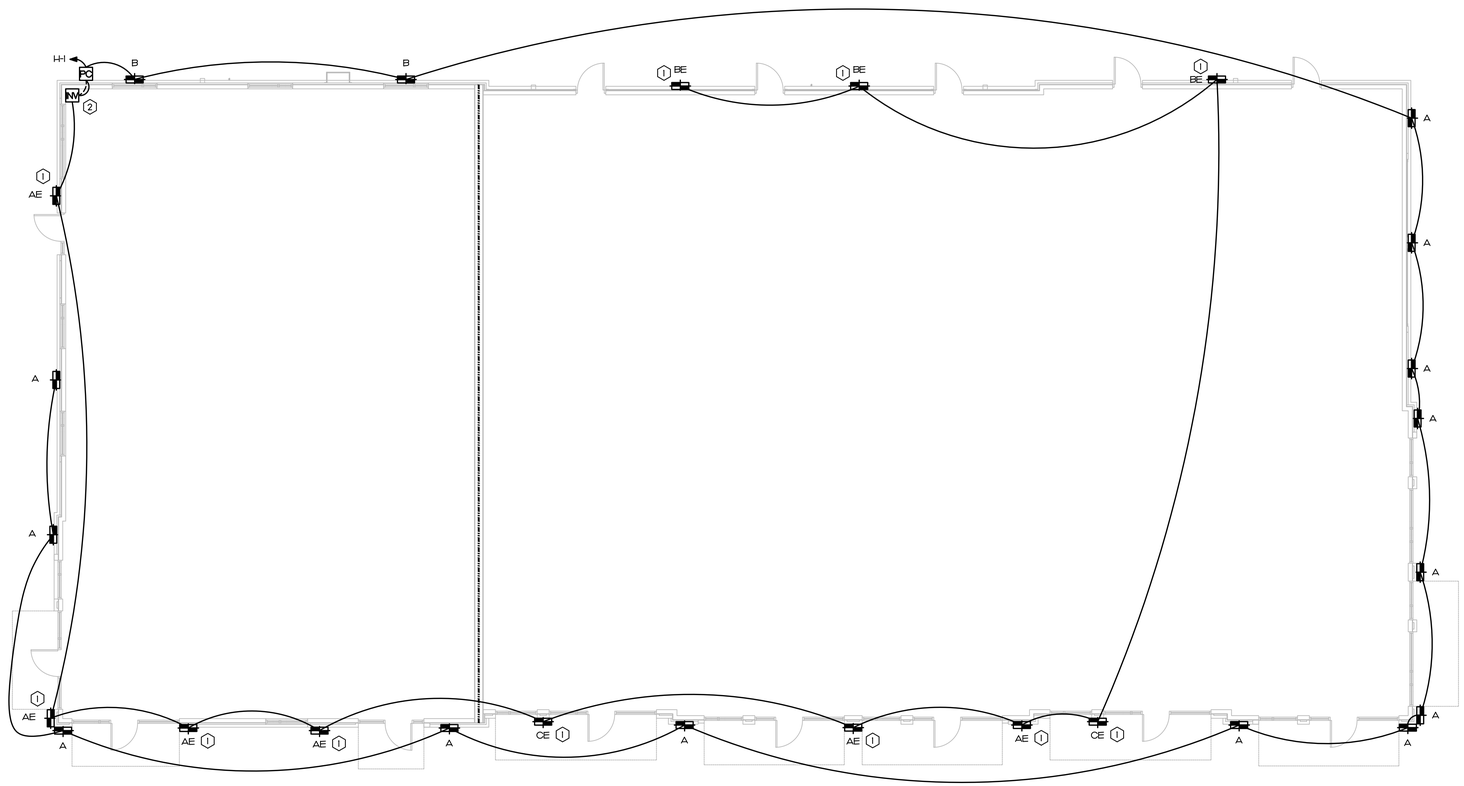
PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	SWM
CHECKED BY:	DJW

SYMBOL LEGEND, GENERAL NOTES, DETAILS

E0.0

LIGHTING KEY NOTES

1. FIXTURE TO BE USED AS EXTERIOR EMERGENCY LIGHT. CONNECT INVERTER CONTROL AHEAD OF PHOTOCELL CONTROL
2. EMERGENCY INVERTER FOR EXTERIOR EMERGENCY LIGHTS. FIELD COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN



1 LIGHTING PLAN

Scale: 3/16" = 1'-0"

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL CORPORATION
ATLANTEC ENGINEERS PA
No. C-961

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY
7/3/24

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111

24074

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

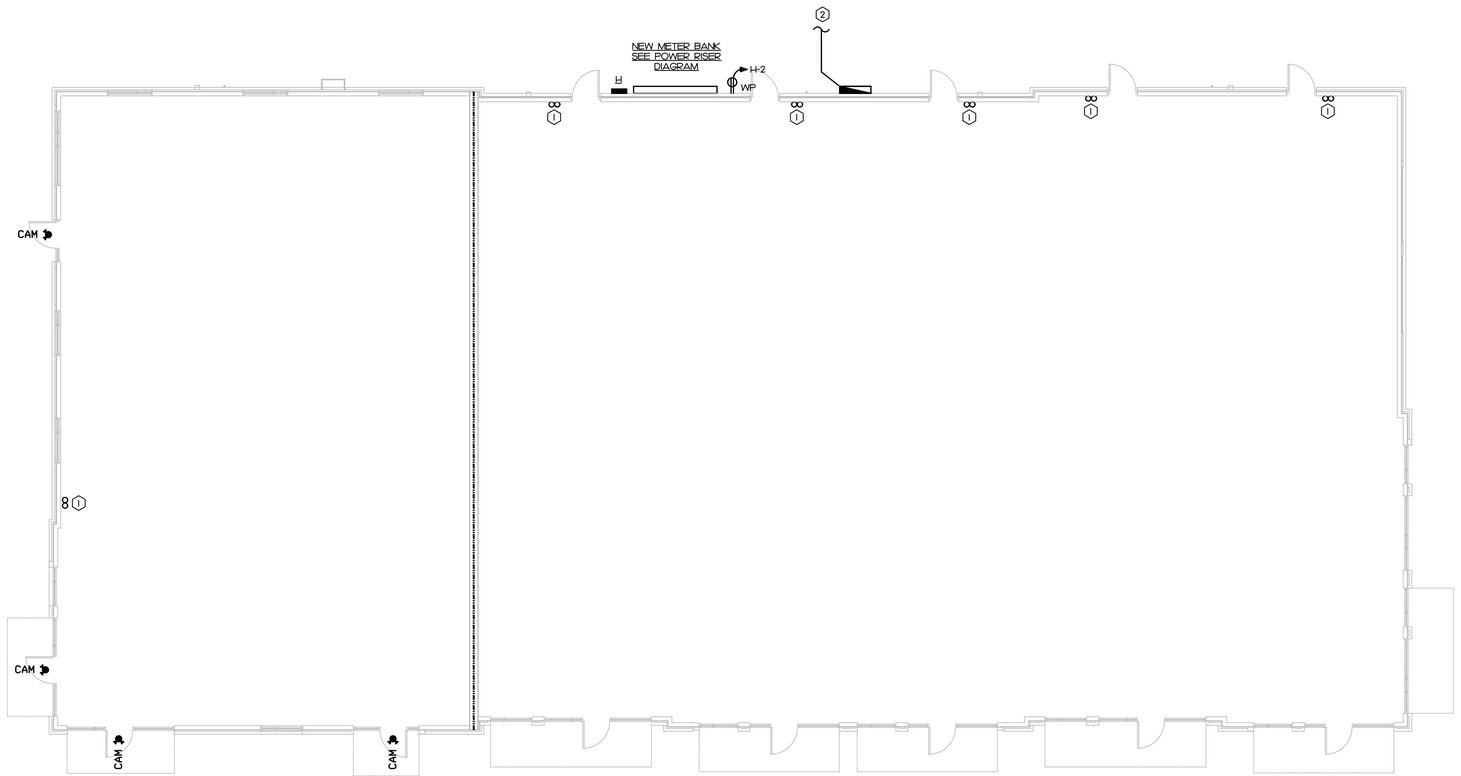
REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	SWM
CHECKED BY:	DJW

LIGHTING PLAN

E1.0

24074



1 POWER PLAN

Scale: 1/8" = 1'-0"

LIGHTING KEY NOTES

1. STUB (1) 2" CONDUIT FOR POWER SERVICE FROM SERVICE GUTTER AND (1) 1" CONDUIT WITH PULL WIRE TO THE COMMUNICATIONS CABINET. SEE POWER RISER DETAIL.
2. (2) - 2" CONDUITS TO PROPERTY LINE. FIELD COORDINATE EXACT LOCATION WITH LOCAL UTILITY

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL CORPORATION
ATLANTEC ENGINEERS PA
No. C-961

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY
7/3/24

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111

24074

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	SWM
CHECKED BY:	DJW

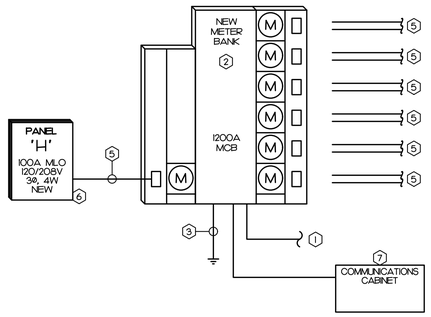
POWER PLAN

E1.1

24074

KEY NOTES

1. NEW 120/208V, 3Φ, 4W UNDERGROUND SERVICE CONDUCTORS:
   - (4) SETS OF (4) #350 KCMIL IN 3-1/2" CONDUITS
   - E.C. TO PROVIDE A PRICE PER FOOT
   - IF LOCAL UTILITY PROVIDES UNDERGROUND SERVICE CONDUCTORS, E.C. TO PROVIDE OWNER WITH A CREDIT
2. METER BANK BY SQUARE D EZ METER-PAK OR EQUAL
   - 120/208V, 3Φ, 4W, NEMA 3R
   - UL LISTED FOR USE AS SERVICE EQUIPMENT
   - 1200A MAIN CIRCUIT BREAKER, PROVIDE TERMINAL BLOCKS FOR UTILITY CONNECTION.
   - (6) 200A-3P BRANCH BREAKERS WITH METERS
   - (1) 100A-3P BRANCH BREAKER WITH METER
   - ALL BREAKERS RATED AT 65KA RMS.
   - LABEL METER BANK AS "SERIES RATED".
   - E.C. SHALL FIELD VERIFY AVAILABLE MAXIMUM FAULT CURRENT WITH UTILITY AND PROVIDE LABE INDICATING THE CURRENT ON METER BANK PER NEC 110.24(A)
3. NEW GROUNDING ELECTRODE CONDUCTORS PER NEC 250:
   - (1) #3/0G IN 3/4" CONDUIT TO BUILDING STEEL, C/W. MAIN
   - (1) #6G IN 1/2" CONDUIT TO 2 DRIVEN RODS
   - (1) #4G IN 1/2" CONDUIT TO REINFORCED STEEL AT CONCRETE FOOTING IF AVAILABLE
4. STUB EMPTY 2" CONDUITS TO FUTURE TENANT SPACE
5. NEW FEEDER:
   - (4) #3, (1) #8G IN 1-1/4" CONDUIT
6. NEW PANELBOARD, SEE PANEL SCHEDULE FOR DETAILS
7. PROVIDE #8 AWG TO COMMUNICATIONS CABINET FROM GROUND BUS AT THE METER BANK. PROVIDE GROUND BUS WITH TERMINAL CONNECTIONS AT THE COMMUNICATIONS CABINET



METER CENTER LOAD SUMMARY:

HOUSE PANEL "H": 2A

SUITE 1-5: 5 @ 200 = 1000A

SUITE 6: 126A

TOTAL METER CENTER LOAD: 1128A

1 **POWER RISER**

NOT TO SCALE

PANEL H — **120/208V, 3 PHASE, 4 WIRE**

CKT	DESCRIPTION	KVA	C	G	W	CB	CKT	CKT	CB	W	G	C	KVA	DESCRIPTION	CKT
1	EXTERIOR LIGHTING	0.5	1/2	12	12	20	1	2	20	12	12	1/2	0.2	SERVICE RECEPTACLE	2
3	SPARE	0.0	--	--	--	20	3	4	20	--	--	--	0.0	SPARE	4
5	SPARE	0.0	--	--	--	20	5	6	20	--	--	--	0.0	SPARE	6
7	SPARE	0.0	--	--	--	20	7	8	20	--	--	--	0.0	SPARE	8
9	SPARE	0.0	--	--	--	20	9	10	20	--	--	--	0.0	SPARE	10
11	SPACE ONLY	0.0	--	--	--	--	11	12	--	--	--	--	0.0	SPACE ONLY	12
13	SPACE ONLY	0.0	--	--	--	--	13	14	--	--	--	--	0.0	SPACE ONLY	14
15	SPACE ONLY	0.0	--	--	--	--	15	16	--	--	--	--	0.0	SPACE ONLY	16
17	SPACE ONLY	0.0	--	--	--	--	17	18	--	--	--	--	0.0	SPACE ONLY	18
19	SPACE ONLY	0.0	--	--	--	--	19	20	--	--	--	--	0.0	SPACE ONLY	20
21	SPACE ONLY	0.0	--	--	--	--	21	22	--	--	--	--	0.0	SPACE ONLY	22
23	SPACE ONLY	0.0	--	--	--	--	23	24	--	--	--	--	0.0	SPACE ONLY	24
25	SPACE ONLY	0.0	--	--	--	--	25	26	--	--	--	--	0.0	SPACE ONLY	26
27	SPACE ONLY	0.0	--	--	--	--	27	28	--	--	--	--	0.0	SPACE ONLY	28
29	SPACE ONLY	0.0	--	--	--	--	29	30	--	--	--	--	0.0	SPACE ONLY	30
31	SPACE ONLY	0.0	--	--	--	--	31	32	--	--	--	--	0.0	SPACE ONLY	32
33	SPACE ONLY	0.0	--	--	--	--	33	34	--	--	--	--	0.0	SPACE ONLY	34
35	SPACE ONLY	0.0	--	--	--	--	35	36	--	--	--	--	0.0	SPACE ONLY	36
37	SPACE ONLY	0.0	--	--	--	--	37	38	--	--	--	--	0.0	SPACE ONLY	38
39	SPACE ONLY	0.0	--	--	--	--	39	40	--	--	--	--	0.0	SPACE ONLY	40
41	SPACE ONLY	0.0	--	--	--	--	41	42	--	--	--	--	0.0	SPACE ONLY	42

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
CONT. LOAD	0.55	125%	0.68
RECEPTACLE	0.18	100%/50%	0.18
MTRS/COOLS	0.00	100%	0.00
HEATS	0.00	100%	0.00
WATER HEATER	0.00	100%	0.00
EQUIPMENT	0.00	100%	0.00
KITCHEN EQUIP.	0.00	65%	0.00
SPECIAL EQ.	0.00	100%	0.00
25% OF LARGEST HVAC/MOTOR			0.00
TOTAL DEMAND			0.86

100 A MINIMUM BUS SIZE
MAIN LUGS ONLY
22 K MINIMUM AIC RATING

SURFACE MOUNTING
NEMA 3R ENCLOSURE
GROUND BAR

NOTES
1. SQUARE D: NQ
2.
3.
4.
5.

CONNECTED LOADS	
PHASE A:	0.7 KVA
PHASE B:	0 KVA
PHASE C:	0 KVA
TOTAL:	0.7 KVA
DEMAND	2 AMP

2 **PANEL SCHEDULE**

NOT TO SCALE

24074

Finley Design PA
7806 NC HWY 751
Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM

NORTH CAROLINA PROFESSIONAL CORPORATION — ATLANTEC ENGINEERS PA No. C-961

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY — 7/3/24

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111

24074

ANGIER MEDICAL COMPLEX

BUILDING 1
ANGIER, NC

REVISIONS

PROJECT:	2344
DATE:	7/3/24
DRAWN BY:	SWM
CHECKED BY:	DJW

POWER RISER, PANEL SCHEDULE

E2.0