# SHEET INDEX

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|--------------|--|---|
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|              |  |   |
| MECH         | ANICAL   |   |
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|              |  |   |
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SYMBOL LEGEND, GENERAL NOTES, DETAILS

POWER RISER, PANEL SCHEDULE

POWER PLAN



111 LOGAN CT.
ANGIER, NC 27501

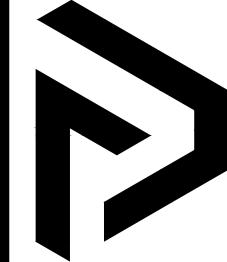


# PROJECT DESCRIPTION

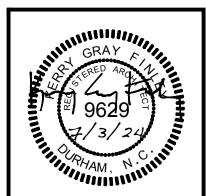
NEW CONSTRUCTION OF ONE-STORY TYPE VB RETAIL SHELL DEVELOPMENT WITH RETAIL TENANT IMPROVEMENT (UPFIT/BUILD-OUT) PLANS.

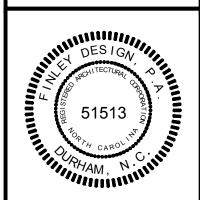
# STATUTORY BUILDING CODES

- 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





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BUILDING 2

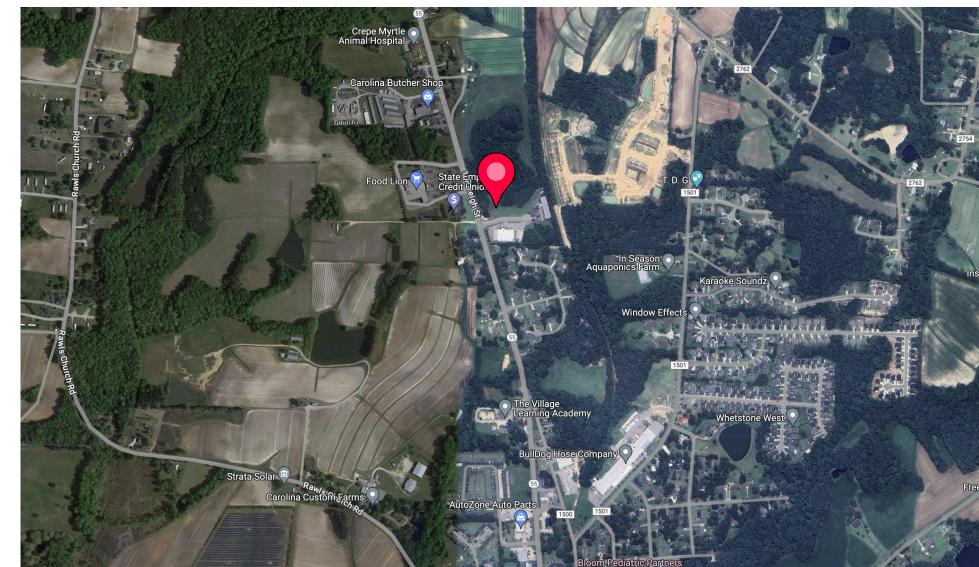
REVISIONS

ROJECT: 2344 ATE: 7/3/24 RAWN BY: KEL

COVER SHEET

A0.00

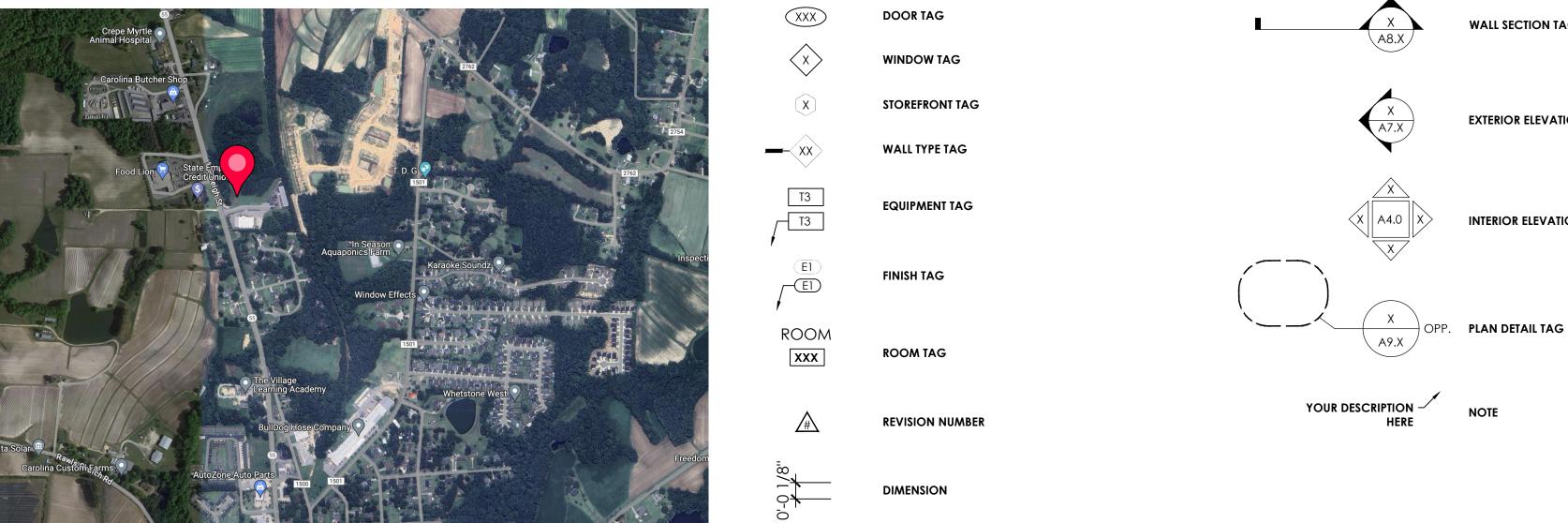
# **PROJECT LOCATION**



# **PROJECT NOTES**

PROJECT MISC.

# PROJECT SYMBOLS



## **PROJECT DIRECTORY**

ARCHITECT:

FINLEY DESIGN PA

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

IMEG CORP. STRUCTURAL 3708 FORESTVIEW RD, SUITE 103 **ENGINEER:** 

> RALEIGH, NC 27612 TEL (919) 650-6565 CONTACT: JOSH HOOKER

MEP **ENGINEER:** 

ATLANTEC ENGINEERS PA 3221 BLUE RIDGE RD, SUITE 113 RALEIGH, NC 27612

TEL (919) 571-1111 CONTACT: DAVID J. WHITNEY

OWNER:

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

**WALL SECTION TAG** 

**EXTERIOR ELEVATIONS TAG** 

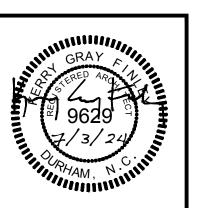
INTERIOR ELEVATIONS TAG

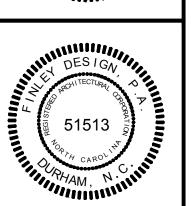
CIVIL TIMMONS GROUP **ENGINEER:** 

5410 TRINITY ROAD, SUITE 102 RALEIGH, NC 27607 TEL (919) 866-4951

CONTACT: KEITH M. ROBERTS

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





**ISSUED FOR PERMIT** 

**MEDIC** 

**REVISIONS** 

NGIER

**GENERAL NOTES** 

A0.01

## 2018 APPENDIX B

# BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOLISES)

| AME OF PROJECT DDRESS  | 111 LOGAN CT. ANGIER  | PLEX - BUILDING 2<br>, NC  |  |  | ZIP  | CODE:   | 27501   |
|--|---|--|--|--|--|---|---|
| ROPOSED USE<br>DWNER/AUTHORIZED AGE  | BUSINESS<br><b>NT</b> KATELYNCH   | PHONE:   | (919) 493  | 3-8200   | E-MAIL: ka   | te@finleydesig  | anarch.com  |
| WNED BY  | W IV (IE EII (OII   | - CITY/COUNTY  | (/ . / / . / .   | . 0200   | X PRIVATE  |   | - STATE   |
|  |   |  | -  |  |  |   |   |
| ODE ENFORCEMENT JURI   | ISDICTION   | X CITY:  | ANGIER   |  | - COUNTY: -  |   | - STATE   |
| ONTACT:  |   |  |  |  |  |   |   |
| ESIGNER  | FIRM  | NAME   |  | LICENSE #  | F PHONE  | E-MAIL  |   |
| RCHITECTURAL   | FINLEY DESIGN, PA   | KERRY G. FINL  | _EY  | 9629   | (919) 493-8200   | kerry@finle   | ydesignarch.com   |
| CIVIL  |   |  |  |  | (010) 571 1111   |   |   |
| LECTRICAL<br>RE ALARM  | ATLANTEC ENGINEERS  | DAVID J. WHI   | INEY   | 17382  | (919) 571-1111   | aavia@ati   | antecengineers.c  |
| KE ALAKM<br>LUMBING  | ATLANTEC ENGINEERS  | JAMES B. DEL   | PAPA IR  | 22035  | (919) 571-1111   | iim@atlant  | tecengineers.com  |
| NECHANICAL   | ATLANTEC ENGINEERS  | JAMES B. DEL   |  |  | (919) 571-1111   |   | tecengineers.com  |
| PRINKLER-STANDPIPE   |   |  | ,  |  |  |   | <u> </u>  |
| TRUCTURAL  | IMEG CORP.  | JOSHUA A. H  | OOKER  |  | (919) 650-6565   | joshua.a.h  | ooker@imegcorp.c  |
| ETAINING WALLS >5' HIGH  | H <u></u>   |  |  |  |  |   |   |
| THER   |   |  |  |  |  |   |   |
| 018 NC BUILDING CODE   | E: X NEW BUIDLING   | - ADDITION   | - RENC   | VATION   |  |   |   |
|  | X 1ST TIME INTERIO  | OR COMPLETION  |  |  |  |   |   |
|  | - SHELL/CORE - C  | CONTACT THE LOCA   | AL INSPECT   | ION JURIS  | SDICTION FOR PO  | SSIBLE ADDIT  | IONAL PROCEDUI  |
|  | AND REQUIREM  |  |  |  |  |   |   |
|  |   |  |  |  |  |   |   |
|  | PHASED CONST  | RUCTION - SHELL/O  | CORF - CO  | NTACT TH   | E LOCAL INSPECT  | ION IIIRISDIC   | CTION FOR POSSIE  |
|  |   | RUCTION - SHELL/C  |  |  | E LOCAL INSPECT  | ION JURISDIC  | CTION FOR POSSIE  |
| 018 NC FYISTING RIIII DI   | ADDITIONAL PR   | OCEDURES AND RI  | EQUIREMEI  | NTS.   |  | TON JURISDIC  | CTION FOR POSSIE  |
| 018 NC EXISTING BUILDI   | ADDITIONAL PR   | OCEDURES AND RI  | EQUIREMEI<br>REPAII  | NTS.<br>R  | - CHAPTER 14   | TON JURISDIC  | CTION FOR POSSIE  |
| 018 NC EXISTING BUILDI   | ADDITIONAL PR   | OCEDURES AND RI - PERSCRIPTIVE - LEVEL I   | EQUIREMEI - REPAII - LEVEL   | NTS.<br>R  | - CHAPTER 14   |   | CTION FOR POSSIE  |
| 018 NC EXISTING BUILDI   | ADDITIONAL PR   | OCEDURES AND RI  | EQUIREMEI - REPAII - LEVEL   | NTS.<br>R  | - CHAPTER 14   |   | CTION FOR POSSIE  |
|  | ADDITIONAL PR   | OCEDURES AND RI - PERSCRIPTIVE - LEVEL I - HISTORIC PROF   | EQUIREMEI - REPAII - LEVEL PERTY   | NTS.<br>R<br>II  | - CHAPTER 14 - LEVEL III - CHANGE OF L   |   | CTION FOR POSSIE  |
| CON  | ADDITIONAL PR ING CODE: EXISTING: ALTERATION:   | PERSCRIPTIVE  - PERSCRIPTIVE  - LEVEL I  - HISTORIC PROF   | EQUIREMEI  - REPAII  - LEVEL PERTY  SUPANCY (S   | NTS.<br>R<br>II<br>S) (CH. 3):   | - CHAPTER 14 - LEVEL III - CHANGE OF U   |   | CTION FOR POSSIE  |
| CON  | ADDITIONAL PR ING CODE: EXISTING: ALTERATION:  NSTRUCTED: (INSERT DATE) ENOVATED: (INSERT DATE)   | - PERSCRIPTIVE - LEVEL I - HISTORIC PROF - CURRENT OCC - PROPOSED OC   | EQUIREMEI  - REPAII  - LEVEL PERTY  SUPANCY (S   | NTS.<br>R<br>II<br>S) (CH. 3):   | - CHAPTER 14 - LEVEL III - CHANGE OF U   |   | CTION FOR POSSIE  |
| CON<br>RE  | ADDITIONAL PR EXISTING: ALTERATION:  NSTRUCTED: (INSERT DATE) ENOVATED: (INSERT DATE) CURRENT:  | PERSCRIPTIVE PERSCRIPTIVE LEVEL I HISTORIC PROF CURRENT OCC PROPOSED OC  | EQUIREMEI  REPAII  LEVEL PERTY SUPANCY (3 CUPANCY  II  | NTS.<br>R<br>II<br>S) (CH. 3):   | - CHAPTER 14 - LEVEL III - CHANGE OF L   | JSE<br>IV   | CTION FOR POSSII  |
| CON<br>RE  | ADDITIONAL PR ING CODE: EXISTING: ALTERATION:  NSTRUCTED: (INSERT DATE) ENOVATED: (INSERT DATE)   | PERSCRIPTIVE PERSCRIPTIVE LEVEL I HISTORIC PROF CURRENT OCC PROPOSED OC  | EQUIREMEI  REPAII  LEVEL PERTY SUPANCY (3  | NTS.<br>R<br>II<br>S) (CH. 3):   | - CHAPTER 14 - LEVEL III - CHANGE OF L   | JSE   | CTION FOR POSSIE  |
| CON<br>RE  | ADDITIONAL PR EXISTING: ALTERATION:  NSTRUCTED: (INSERT DATE) ENOVATED: (INSERT DATE) CURRENT:  | PERSCRIPTIVE PERSCRIPTIVE LEVEL I HISTORIC PROF CURRENT OCC PROPOSED OC  | EQUIREMEI  REPAII  LEVEL PERTY SUPANCY (3 CUPANCY  II  | NTS.<br>R<br>II<br>S) (CH. 3):   | - CHAPTER 14 - LEVEL III - CHANGE OF L   | JSE<br>IV   | CTION FOR POSSIE  |
| CON<br>RE  | ADDITIONAL PR EXISTING: ALTERATION:  NSTRUCTED: (INSERT DATE) ENOVATED: (INSERT DATE) CURRENT:  | PERSCRIPTIVE PERSCRIPTIVE LEVEL I HISTORIC PROF CURRENT OCC PROPOSED OC  | EQUIREMENT - REPAIR - LEVEL PERTY :: UPANCY (: CUPANCY - II  | NTS.<br>R<br>II<br>S) (CH. 3):<br>(S) (CH. 3   | - CHAPTER 14 - LEVEL III - CHANGE OF L   | JSE<br>IV   | CTION FOR POSSIE  |
| CON<br>RE  | ADDITIONAL PR EXISTING: ALTERATION:  NSTRUCTED: (INSERT DATE) ENOVATED: (INSERT DATE) CURRENT:  | PERSCRIPTIVE  PERSCRIPTIVE  LEVEL I  HISTORIC PROP  CURRENT OCC  PROPOSED OC  I  BASIC BUIL  | EQUIREMENT - REPAIN - LEVEL PERTY SUPANCY (SECUPANCY - II - II   | NTS. R II S) (CH. 3): (S) (CH. 3   | - CHAPTER 14 - LEVEL III - CHANGE OF LESS: - III - III   | JSE<br>IV   | CTION FOR POSSII  |
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| CONSTRUCTION TYPE (CHECK ALL THAT APP SPRINKLERS   | ADDITIONAL PROPOSED:  ALTERATION:  NSTRUCTED: (INSERT DATE)  ENOVATED: (INSERT DATE)  CURRENT:  PROPOSED:  LY)  ADDITIONAL PROPOSED:  | PERSCRIPTIVE PERSCRIPTIVE LEVEL I HISTORIC PROP CURRENT OCC PROPOSED OC I BASIC BUILL A II-A B IO PAR  | EQUIREMENT  - REPAIN  - LEVEL PERTY  CUPANCY  - II  - II  DING DATA  RTIAL   | NTS. R II S) (CH. 3): (S) (CH. 3   | - CHAPTER 14 - LEVEL III - CHANGE OF LESSI: - III - III - IV - NFPA 13   | JSE  - IV - IV  - V-A X V-B - NFPA  | 13R - NFPA 1  |
| CONSTRUCTION TYPE (CHECK ALL THAT APP SPRINKLERS STANDPIPES  | ADDITIONAL PROPOSED:  ALTERATION:  NSTRUCTED: (INSERT DATE) ENOVATED: (INSERT DATE) BLE 1604.5): CURRENT:  PROPOSED:  LY)  ADDITIONAL PROPOSED:  CINSERT DATE)  LY)  LY  LY  ADDITIONAL PROPOSED:   | PERSCRIPTIVE PERSCRIPTIVE LEVEL I HISTORIC PROP CURRENT OCC PROPOSED OC I I BASIC BUILL A B I I I I I I I I I I I I I I I I I I  | EQUIREMENT  - REPAIN  - LEVEL  PERTY  SUPANCY (SECUPANCY)  - II  - III  DING DATA  RTIAL   | NTS.  R II S) (CH. 3): (S) (CH. 3): - III-A - III-B - YES - CLASS  | - CHAPTER 14 - LEVEL III - CHANGE OF USE - III - III - IV - NFPA 13 - CLASS II   | JSE  - IV - IV - IV - NFPA - CLAS   | 13R - NFPA 1:   |
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| CONSTRUCTION TYPE (CHECK ALL THAT APP SPRINKLERS STANDPIPES FIRE DISTRICT  | ADDITIONAL PROPOSED:  ALTERATION:  NSTRUCTED: (INSERT DATE) ENOVATED: (INSERT DATE) BLE 1604.5): CURRENT: PROPOSED:  LY)  LY)  ADDITIONAL PROPOSED:  EXISTING: ALTERATION:  CINSERT DATE)  CURRENT: PROPOSED:  AND X N X N X N  | PERSCRIPTIVE  PERSCRIPTIVE  LEVEL I  HISTORIC PROP  CURRENT OCC  PROPOSED OC  I  I  BASIC BUIL  A  II-A  B  IO  PAR  IO  YES  IO  X  YES  PROPOSED  PROPOSED  PROPOSED  II-B  II-B  III-B  III- | EQUIREMENT  - REPANT  - LEVEL  PERTY  CUPANCY  - II  - II  DING DATA  RTIAL  (CONTACT  COCEDURES   | NTS.  R II S) (CH. 3): (S) (CH. 3): - IIII-A - IIII-B - YES - CLASS I  | - CHAPTER 14 - LEVEL III - CHANGE OF LESS III - III - IV - NFPA 13 - CLASS II  | - IV - IV - IV - NFPA - CLAS  | 13R   |
| CONSTRUCTION TYPE (CHECK ALL THAT APP SPRINKLERS STANDPIPES FIRE DISTRICT  | ADDITIONAL PROPOSED:  ALTERATION:  ALTERATION:  INSERT DATE)  CURRENT:  PROPOSED:  LY)  REQUIRED:  ADDITIONAL PROPOSED:    INSERT DATE     CURRENT:   PROPOSED:   X N     X N | PERSCRIPTIVE PERSCRIPTIVE LEVEL I HISTORIC PROP CURRENT OCC PROPOSED OC I I BASIC BUILL A B II-A B IO PAR IO YES IO X YES  | EQUIREMENT  - REPANT  - LEVEL  PERTY  CUPANCY  - II  - II  DING DATA  RTIAL  (CONTACT  COCEDURES   | NTS.  R II S) (CH. 3): (S) (CH. 3): - IIII-A - IIII-B - YES - CLASS I  | - CHAPTER 14 - LEVEL III - CHANGE OF LESSING - III - III - IV - IV - NFPA 13 - CLASS II FLOOD HAZARD AS CAL INSPECTIONS UIREMENTS. | JSE  - IV - IV - IV - NFPA - CLAS AREA - NO JURISDICTION                    | 13R   |
| CONSTRUCTION TYPE (CHECK ALL THAT APP SPRINKLERS STANDPIPES FIRE DISTRICT SPECIAL INSPECTIONS  | ADDITIONAL PROPOSED:  ALTERATION:  ALTERATION:  INSERT DATE)  CURRENT:  PROPOSED:  LY)  REQUIRED:  ADDITIONAL PROPOSED:    INSERT DATE     CURRENT:   PROPOSED:   X N     X N | PERSCRIPTIVE  PERSCRIPTIVE  LEVEL I  HISTORIC PROP  CURRENT OCC  PROPOSED OC  I  BASIC BUIL  BASIC BUIL  A  II-A  B  IO  PAR  IO  YES  IO  GROSS BUILDIN   | EQUIREMENT  - REPAIN  - LEVEL PERTY  SUPANCY  - II  - II  DING DATA  RTIAL  (CONTACT  COCEDURES  | NTS.  R II S) (CH. 3): (S) (CH. 3): (S) (CH. 3): (T) (CH. 3): (T) THE LOCAND REQUABLE  | - CHAPTER 14 - LEVEL III - CHANGE OF LESSING - III - III - IV - IV - NFPA 13 - CLASS II FLOOD HAZARD AS CAL INSPECTIONS UIREMENTS. | JSE  - IV - IV - IV - NFPA - CLAS AREA - NO JURISDICTION                    | 13R - NFPA 13<br>SS III<br>- YES<br>N FOR ADDITIONA         |
| CONSTRUCTION TYPE (CHECK ALL THAT APP SPRINKLERS STANDPIPES FIRE DISTRICT SPECIAL INSPECTIONS  | ADDITIONAL PROPOSED:  ALTERATION:  ALTERATION:  (INSERT DATE) (INSERT DATE)  CURRENT: PROPOSED:  LY)  REQUIRED:  ALTERATION:  INSERT DATE)  CURRENT: PROPOSED:  AND AND AND AND AND AND AND AND AND AN  | PERSCRIPTIVE  PERSCRIPTIVE  LEVEL I  HISTORIC PROP  CURRENT OCC  PROPOSED OC  I  BASIC BUIL  BASIC BUIL  A  II-A  B  IO  PAR  IO  YES  IO  GROSS BUILDIN   | EQUIREMENT  - REPAIN  - LEVEL PERTY  SUPANCY  - II  - II  DING DATA  RTIAL  (CONTACT  COCEDURES  | NTS.  R II S) (CH. 3): (S) (CH. 3): (S) (CH. 3): (T) THE LOCAND REQUABLE NEW (SO   | - CHAPTER 14 - LEVEL III - CHANGE OF LESSING - III - III - IV - IV - NFPA 13 - CLASS II FLOOD HAZARD AS CAL INSPECTIONS UIREMENTS. | - IV - IV - IV - NFPA - CLAS AREA - NO JURISDICTION                         | 13R - NFPA 13<br>SS III<br>- YES<br>N FOR ADDITIONA         |
| CONSTRUCTION TYPE (CHECK ALL THAT APP SPRINKLERS STANDPIPES FIRE DISTRICT SPECIAL INSPECTIONS  FLOOR 3RD FLOOR 2ND FLOOR MEZZANINE           | ADDITIONAL PROPOSED:  ALTERATION:  INSTRUCTED: (INSERT DATE) ENOVATED: (INSERT DATE) BLE 1604.5): CURRENT: PROPOSED:  LY)  REQUIRED: - N  EXIS  0 0 0   | PERSCRIPTIVE  PERSCRIPTIVE  LEVEL I  HISTORIC PROP  CURRENT OCC  PROPOSED OC  I  BASIC BUIL  BASIC BUIL  A  II-A  B  IO  PAR  IO  YES  IO  GROSS BUILDIN   | EQUIREMENT  - REPAIN  - LEVEL PERTY  SUPANCY  - II  - II  DING DATA  RTIAL  (CONTACT  COCEDURES  | TITHE LOCAND REQUABLE  NEW (SO O O O   | - CHAPTER 14 - LEVEL III - CHANGE OF LESSING - III - III - IV - IV - NFPA 13 - CLASS II FLOOD HAZARD AS CAL INSPECTIONS UIREMENTS. | - IV - IV - IV - IV - NFPA - CLAS AREA - NO JURISDICTION  SUB T 0 0 0       | 13R - NFPA 13<br>SS III<br>- YES<br>N FOR ADDITIONA<br>OTAL |
| CONSTRUCTION TYPE (CHECK ALL THAT APP SPRINKLERS STANDPIPES FIRE DISTRICT SPECIAL INSPECTIONS  FLOOR 3RD FLOOR 2ND FLOOR MEZZANINE 1ST FLOOR | ADDITIONAL PROPOSED:  ALTERATION:  NSTRUCTED: (INSERT DATE) ENOVATED: (INSERT DATE) BLE 1604.5): CURRENT: PROPOSED:  LY)  REQUIRED: - N  EXIS  0 0 0 0 0  | PERSCRIPTIVE  PERSCRIPTIVE  LEVEL I  HISTORIC PROP  CURRENT OCC  PROPOSED OC  I  BASIC BUIL  BASIC BUIL  A  II-A  B  IO  PAR  IO  YES  IO  GROSS BUILDIN   | EQUIREMENT  - REPAIN  - LEVEL PERTY  SUPANCY  - II  - II  DING DATA  RTIAL  (CONTACT  COCEDURES  | TITHE LOCAND REQUABLE  NEW (SG 0 0 4,324   | - CHAPTER 14 - LEVEL III - CHANGE OF LESSING - III - III - IV - IV - NFPA 13 - CLASS II FLOOD HAZARD AS CAL INSPECTIONS UIREMENTS. | - IV - IV - IV - IV - NFPA - CLAS AREA - NO JURISDICTION  SUB T 0 0 0 4,324 | 13R - NFPA 13<br>SS III<br>- YES<br>N FOR ADDITIONA<br>OTAL |
| CONSTRUCTION TYPE (CHECK ALL THAT APP SPRINKLERS STANDPIPES FIRE DISTRICT SPECIAL INSPECTIONS  FLOOR 3RD FLOOR 2ND FLOOR MEZZANINE           | ADDITIONAL PROPOSED:  ALTERATION:  INSTRUCTED: (INSERT DATE) ENOVATED: (INSERT DATE) BLE 1604.5): CURRENT: PROPOSED:  LY)  REQUIRED: - N  EXIS  0 0 0   | PERSCRIPTIVE  PERSCRIPTIVE  LEVEL I  HISTORIC PROP  CURRENT OCC  PROPOSED OC  I  BASIC BUIL  BASIC BUIL  A  II-A  B  IO  PAR  IO  YES  IO  GROSS BUILDIN   | EQUIREMENT  - REPAIN  - LEVEL PERTY  SUPANCY  - II  - II  DING DATA  RTIAL  (CONTACT  COCEDURES  | TITHE LOCAND REQUABLE  NEW (SO O O O   | - CHAPTER 14 - LEVEL III - CHANGE OF LESSING - III - III - IV - IV - NFPA 13 - CLASS II FLOOD HAZARD AS CAL INSPECTIONS UIREMENTS. | - IV - IV - IV - IV - NFPA - CLAS AREA - NO JURISDICTION  SUB T 0 0 0       | 13R - NFPA 13 SS III - YES N FOR ADDITIONA                  |

|                            | ALLOWABLE AREA   |
|----------------------------|--|
| RIMARY OCCUPANCY CLAS      | SIFICATION(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  |
|                            | - I-3 CONDITION - 1 - 2<br>- I-4   |
| MERCANTILE                 |  |
| RESIDENTIAL                |  |
| STORAGE                    | - S-1 MODERATE - S-2 LOW - HIGH-PILED  |
| UTILITY AND MISCELLANI     | - PARKING GARAGE - OPEN - ENCLOSED - REPAIR GARAGE EOUS -  |
| CCESSORY OCCUPANCY         | CLASSIFICATION(S):   |
| ICIDENTAL USES (TABLE 509  |  |
| PECIAL USES (CHAPTER 4 - L |  |
|                            | PTER 5 - LIST CODE SECTIONS):  |
| IXED OCCUPANCY             | X NO - YES SEPARATION HR EXCEPTION   |
| - NON-SEPARATED U          |  |
| THE REQUIRED TYP           | E OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF O DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING. |
| FOR EACH STORY,            | 08.4) - SEE BELOW FOR AREA CALCULATIONS.<br>THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA<br>DED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.                      |
| ACTUAL AREA OF OCCU        |  |
| ALLOWABLE AREA OF OC       | CUPANCY "A" ALLOWABLE AREA OF OCCUPANCY "B"  |
|                            |  |
| -                          | + = N/A  |

(A) BLDG AREA PER STORY (ACTUAL)

4,324

DESCRIPTION AND USE

(D) ALLOWABLE AREA
PER STORY OR
UNLIMITED
9,000

(C) AREA FOR FRONTAGE INCREASE

NONE TAKEN

(B) TABLE 506.2 AREA

| A. PERIMETER WHICH FRONTS A B. TOTAL BUILDING PERIMETER C. RATIO (F/P) = D. W = MINIMUM WIDTH OF PU E. PERCENT OF FRONTAGE INC UNLIMITED AREA APPLICABLE U MAXIMUM BUILDING AREA = TO THE MAXIMUM AREA OF PARKI | R =FT (I<br>BLIC WAY =<br>CREASE I <sub>F</sub> = 100 [I<br>INDER CONDITION<br>OTAL NUMBER OF | P)<br>(W)<br>F/P25] X<br>NS OF SEC<br>STORIES II | ( W/30 = _<br>TION 507<br>N THE BUIL | (%)<br>.DING X "D" | (MAXIMU              | M 3 STC                                | DRIES) (506.2)                    |                                    | ERS MUST     |
|---|---|--|--------------------------------------|--------------------|----------------------|--|-----------------------------------|------------------------------------|--------------|
| COMPLY WITH 412.1.2. FRONTAGE INCREASE IS BASED   | ON THE UNSPRIN  | IKLERED AF                                       |                                      |                    | 06.2.                |  |                                   |                                    |              |
|   |   |  | ALLOWA                               | ALLOWAE            | I E                  | S III                                  | OWN IN PLAN                       | COL                                | E REFERENCE  |
| BUILDING HEIGHT IN  | -   | -  |                                      | 40'-0"             | OLC                  | 3111                                   | 26'-0"                            | COL                                |              |
| BUILDING HEIGHT IN ST   | ORIES (TABLE 504  | .4)  |                                      | 1                  |                      |  | 1                                 |                                    |              |
|   |   | FIRE P   | ROTECTIO                             | N REQUIREM         | ENTS                 |  |                                   |                                    |              |
|   | FIRE  | 1  | RATING                               |                    |                      |  | DECLOSE #                         | DESIGN # 50                        |              |
| BUILDING ELEMENT  | SEPARATION<br>DISTANCE<br>(FEET)  | REQ'D  | PROVID                               |                    | DETAIL #             |  | DESIGN #<br>FOR RATED<br>ASSEMBLY | DESIGN # FO<br>RATED<br>PENETRATIO | PATED IOINTS |
| TRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES  |   |  |                                      |                    |                      |  |                                   |                                    |              |
| EARING WALLS  |   |  |                                      |                    |                      |  |                                   |                                    |              |
| EXTERIOR  | 15.   | 0.115  |                                      |                    |                      |  |                                   |                                    |              |
| NORTH<br>EAST   | 15+<br>25+  | O HR<br>O HR                                     |                                      |                    | -                    |  | -                                 |                                    |              |
| WEST  | 30+   | O HR   |                                      |                    | -                    |  | -                                 |                                    |              |
| SOUTH INTERIOR ONBEARING WALLS AND ARTITIONS  | 30+   | O HR   |                                      |                    | -                    |  | -                                 |                                    |              |
| EXTERIOR NORTH  | 15+   | O HR   |                                      |                    | -                    |  | -                                 |                                    |              |
| EAST  | 25+   | O HR   |                                      |                    | -                    |  | -                                 |                                    |              |
| WEST<br>SOUTH   | 30+<br>30+  | O HR<br>O HR                                     |                                      |                    | -                    |  | -                                 |                                    |              |
| INTERIOR  |   |  |                                      |                    |                      |  |                                   |                                    |              |
| ELOOR CONSTRUCTION INCLUDING BEAMS AND JOISTS LOOR CEILING ASSEMBLY COLUMNS SUPPORTING FLOORS   | IG SUPPORTING   |  |                                      |                    |                      |  |                                   |                                    |              |
| ROOF CONSTRUCTION INCLUDING BEAMS AND JOISTS  OOF CEILING ASSEMBLY  | G SUPPORTING  |  |                                      |                    |                      |  |                                   |                                    |              |
| COLUMNS SUPPORTING ROOF   |   |  |                                      |                    |                      |  |                                   |                                    |              |
| HAFT ENCLOSURE - EXIT HAFT ENCLOSURE - OTHER  |   | X  |                                      |                    | -                    |  | -                                 |                                    |              |
| CORRIDOR SEPARATION   |   |  |                                      |                    |                      |  |                                   |                                    |              |
| OCCUPANCY/FIRE BARRIER SEPARA<br>ARTY/FIRE WALL SEPARATION  | ATION   | X  |                                      |                    | -                    |  | -                                 |                                    |              |
| MOKE BARRIER SEPARATION   |   | X  |                                      |                    | -                    |  | -                                 |                                    |              |
| MOKE PARTITION<br>ENANT/DWELLING UNIT/SLEEPING  | IINIT SEDADATION  | X  |                                      |                    | -                    |  | -                                 |                                    |              |
| NCIDENTAL USE SEPARATION  | UNII SEFARATION   | X  |                                      |                    | -                    |  | -                                 |                                    |              |
| INDICATES SECTION NUMBER PERM   | MITTING REDUCTIO  | N  | •                                    |                    | •                    |  |                                   |                                    |              |
|   | D.F.  | DOENTA OF  | OF WALL                              | OBENING C          | ALCULATIO            | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |                                   |                                    |              |
| FIRE SEPARATION DISTANCE (FEET)   | DEGREE OF OPE   |  |                                      | OPENING C          | OWABLE AF            |  | 100                               | IAWOUZ LAUT                        | ON PLANS (%) |
| FROM PROPERTY LINES  15 TO <20  |   | LE 705.8)<br>IP, NS)                             |                                      | ALL                | 25%                  | (/0)                                   |                                   | 23%                                |              |
| 25 TO <30   | (U  | IP, NS)  |                                      |                    | 70%                  |  |                                   | 15%                                | (E)          |
| 30+   | (U  | IP, NS)  |                                      |                    | NL                   |  |                                   | 25% (S), 3                         | 5% (W)       |
|   |   | LIFE SA  | FETY SYSTI                           | EM REQUIRE/        | MENTS                |  |                                   |                                    |              |
| MERGENCY LIGHTING   | NO [  | X YES  |                                      |                    |                      |  |                                   |                                    |              |
| XIT SIGNS   | NO [  | X YES  |                                      |                    |                      |  |                                   |                                    |              |
| IRE ALARM   | X NO  | YES  |                                      |                    |                      |  |                                   |                                    |              |
| MOKE DETECTION SYSTEMS  |   | X YES  | PARTIAL                              |                    |                      |  |                                   |                                    |              |
| ARBON DIOXIDE DETECTOR  | X NO  | YES  |                                      |                    |                      |  |                                   |                                    |              |
|   |   |  | 4 FFTV DI 4                          | N. DEQUIDEM        | FAITO                |  |                                   |                                    |              |
|   |   | LIFE S.  | AFEIY PLA                            | N REQUIREM         | ENIS                 |  |                                   |                                    |              |
| LIFE SAFETY PLAN SHEET #: A0.  - FIRE AND/OR SMOKE RATED  |   | CUADTED  | . 7\                                 |                    |                      |  |                                   |                                    |              |
| - ASSUMED AND REAL PROPER   |   | _  | _                                    | TF PI AN)          |                      |  |                                   |                                    |              |
| - EXTERIOR WALL OPENING AF  |   | -  |                                      | -                  | PERTY LINES          | (705.8°                                | )                                 |                                    |              |
| - OCCUPANCY USE FOR EACH  |   |  |                                      |                    |                      | •                                      |                                   |                                    |              |
| X OCCUPANT LOADS FOR EAC  |   |  |                                      |                    | _                    |  | •                                 |                                    |              |
| X EXIT ACCESS TRAVEL DISTAN   | CES (1017)  |  |                                      |                    |                      |  |                                   |                                    |              |
| X COMMON PATH OF TRAVEL   | DISTANCES (TABLI  | ES 1006.2.1                                      | & 1006.3.                            | 2(1))              |                      |  |                                   |                                    |              |
| X DEAD END LENGTHS (1020.4)   |   |  |                                      |                    |                      |  |                                   |                                    |              |
| X CLEAR EXIT WIDTHS FOR EAC   |   |  |                                      |                    |                      |  |                                   |                                    |              |
| X MAXIMUM CALCULATED OC   |   |  | ACH EXIT [                           | JOOR CAN A         | ACCOMM(              | DATE E                                 | SASED ON EGI                      | kESS WIDTH (10                     | JU5.3)       |
| X ACTUAL OCCUPANT LOAD F  |   |  | OATED ELO                            | OP/CEUM:           | AND /05 =            | 0005 00                                | DIICTURE OF                       | ספטעומיים דיי                      | DIIDDOCES OF |
| - A SEPARATE SCHEMATIC PLA<br>OCCUPANCY SEPARATION  | M INDICATING W  | neke tike i                                      | MIED FLO                             | OK/CEILING         | AND/OR F             | OUF SI                                 | RUCIUKE OF F                      | KONIDED FOR                        | rukrusts Uf  |
| LOCATION OF DOORS WITH  | PANIC HARDWAR   | E (1010.1.1                                      | 0)                                   |                    |                      |  |                                   |                                    |              |
| - LOCATION OF DOORS WITH  | DELAYED EGRESS  | LOCKS AN   | D THE AMO                            | OUNT OF DEL        | . <b>AY (1010</b> .1 | 1.9.7)                                 |                                   |                                    |              |
| - LOCATION OF DOORS WITH  |   |  | _                                    | 010.1.9.9)         |                      |  |                                   |                                    |              |
| - LOCATION OF DOORS EQUIP   |   |  | CES                                  |                    |                      |  |                                   |                                    |              |
| - LOCATION OF EMERGENCY   |   |  |                                      |                    |                      |  |                                   |                                    |              |
| - THE SQUARE FOOTAGE OF EA  | _   | _  | FOR OCC                              | TIPANOV O          | A SSIEIC AT          | ION I A                                | ( <u>4</u> 07 5)                  |                                    |              |
| - THE SQUARE FOOTAGE OF EACEPTION   |   |  |                                      |                    |                      |  |                                   |                                    |              |
| ANT CODE EXCEPTION  | OI IMBLE NOIE   | - IIAI MA  | V E DE                               | OHLIZED            |                      | U IIIE II                              |                                   |                                    |              |

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 = \_\_\_\_ (F)

|             | ACCESSIBLE DWELLING UNITS (SECTION 1107) |                           |                          |                       |                          |                          |                                 |  |  |
|-------------|--|---------------------------|--------------------------|-----------------------|--------------------------|--------------------------|---------------------------------|--|--|
| TOTAL UNITS | ACCESSIBLE UNITS REQUIRED                | ACCESSIBLE UNITS PROVIDED | TYPE A UNITS<br>REQUIRED | TYPE A UNITS PROVIDED | TYPE B UNITS<br>REQUIRED | TYPE B UNITS<br>PROVIDED | TOTAL ACCESSIBLE UNITS PROVIDED |  |  |
|             |  |                           | N/A                      |                       |                          |                          |                                 |  |  |

|                        |                   | ACCESS             | IBLE PARKING (SECTION | ON 1106)                    |                 |   |
|------------------------|-------------------|--------------------|-----------------------|-----------------------------|-----------------|---|
|                        | TOTAL # OF PA     | RKING SPACES       | # OF A                | TOTAL # ACCESSIBLE PROVIDED |                 |   |
| LOT OR PARKING AREA    | REQUIRED PROVIDED |                    | REGULAR WITH 5'       |                             | VAN SPAC        |   |
|                        |                   |                    | ACCESS AISLE          | 132" ACCESS AISLE           | 8' ACCESS AISLE |   |
| ANGIER MEDICAL COMPLEX | 50                | 51                 | 0                     | 0                           | 4               | 4 |
| •                      | *FOR REFERE       | NCE ONLY. SEE CIVI | L DRAWINGS FOR PA     | RKING SUMMARY/REC           | QUIREMENTS      |   |

| PLUMBING FIXTURE REQUIREMENTS |          |              |        |        |         |      |           |        |          |                    |            |  |
|-------------------------------|----------|--------------|--------|--------|---------|------|-----------|--------|----------|--------------------|------------|--|
| USE                           |          | WATERCLOSETS |        |        | URINALS | L    | AVATORIE: | S      | SHOWERS/ | DRINKING FOUNTAINS |            |  |
|                               |          | MALE         | FEMALE | UNISEX |         | MALE | FEMALE    | UNISEX | TUBS     | REGULAR            | ACCESSIBLE |  |
|                               | EXISTING | N/A          | N/A    | N/A    | N/A     | N/A  | N/A       | N/A    | N/A      | N/A                | N/A        |  |
| BUSINESS                      | NEW      | 0            | 0      | 4      | 0       | 0    | 0         | 4      | 0        | 2                  | 2          |  |
|                               | REQ'D    | 0            | 0      | 2      | 0       | 0    | 0         | 2      | 0        | 1                  | 1          |  |

SPECIAL APPROVALS

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

|   | ENERGY SUMMARY  |
|---|---|
| ENERGY REQUIREMENTS:                              |   |
| PROVIDED. EACH DESIGNER SHALL FURNISH THE REQUIRE | AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE ENERGY CODE SHALL ALSO D PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET. IF ST FOR THE STANDARD REFERENCE DESIGN VS. ANNUAL ENERGY COST FOR THE |
| 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 ZON                                       | E: - 3A X 4A - 5A   |
| METHOD OF COMPLIANCE: ENERGY COD                  |   |
|   | 1.1X PERFORMANCE - PRESCRIPTIVE   |
| (IF "OTHER" SPECIFY SOURCE HERI                   |   |
| THERMAL ENVELOPE (PRESCRIPTIVE METHOD ONLY)       |   |
| ROOF/CEILING ASSEMBLY (EACH ASSEMBLY)             |   |
| DESCRIPTION OF ASSEM                              | MBLY: -   |
| U-VALUE OF TOTAL ASSEN                            | ABLY: -   |
| R-VALUE OF INSULAT                                | ION: -  |
| SKYLIGHTS IN EACH ASSEN                           | ABLY: -   |
| U-VALUE OF SKYLI                                  | GHT: -  |
| TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN E            | - •   |
| ASSEN EXTERIOR WALLS (EACH ASSEMBLY)              | IDLT:   |
| DESCRIPTION OF ASSEM                              | ABLY: -   |
| U-VALUE OF TOTAL ASSEM                            | ABLY: -   |
| R-VALUE OF INSULAT                                | ION: -  |
| OPENINGS (WINDOWS OR DOORS WITH GLAZING)          |   |
| U-VALUE OF ASSEM                                  | MBLY: -   |
| SOLAR HEAT GAIN COEFFIC                           |   |
| PROJECTION FAC                                    |   |
| DOOR R-VA   | ALUE: -   |
| WALLS BELOW GRADE (EACH ASSEMBLY)                 |   |
| DESCRIPTION OF ASSEM                              | ABLY:   |
| U-VALUE OF TOTAL ASSEM                            | ·   |
| R-VALUE OF INSULAT                                | ION: -  |
| FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY)   |   |
| DESCRIPTION OF ASSEM                              |   |
| U-VALUE OF TOTAL ASSEM                            |   |
| R-VALUE OF INSULAT                                | ion: <u>-</u>   |
| FLOORS SLAB ON GRADE (EACH ASSEMBLY)              |   |
| DESCRIPTION OF ASSEM                              |   |
| U-VALUE OF TOTAL ASSEM                            |   |
| R-VALUE OF INSULAT                                |   |
| HORIZONTAL/VERTICAL REQUIREM                      |   |
| SLAB HEA  | ATED: -   |

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

| EFIS |  |
|------|--|
| -    |  |
| -    |  |
| -    |  |
| -    |  |
|      |  |
| ·    |  |

AREA 4,324 SF

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Suite 110
Durham, NC 27713
919-493-8200
FINLEYDESIGNARCH.COM





ISSUED FOR PERMIT

BUILDING 2

REVISIONS

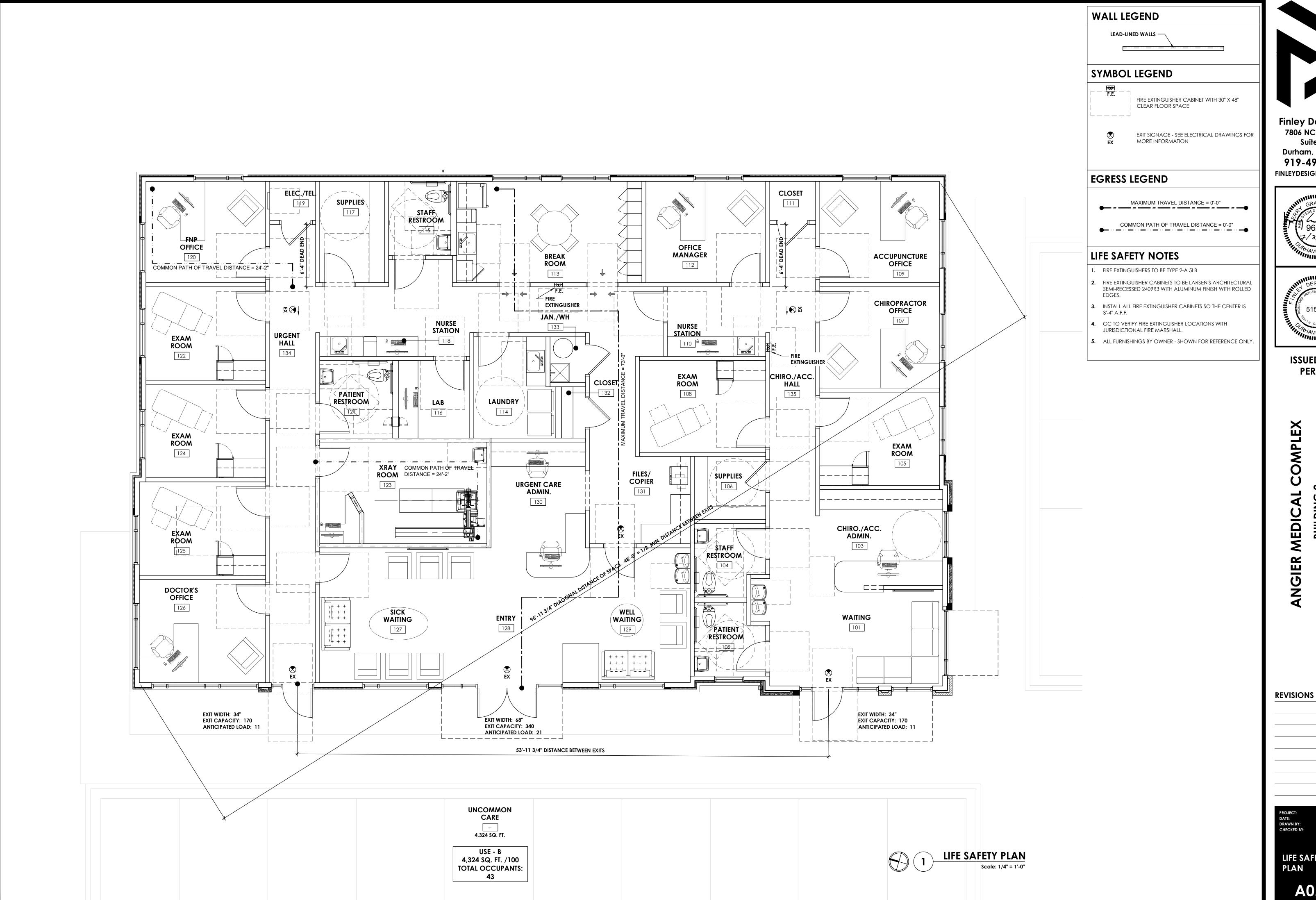
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OWNER/PERMIT MM-DD-YY

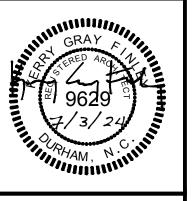
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DATE: 7/3/24
DRAWN BY: KEL
CHECKED BY: KEL

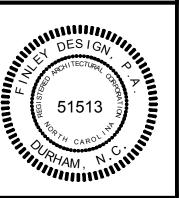
CODE
SUMMARY

A0.02





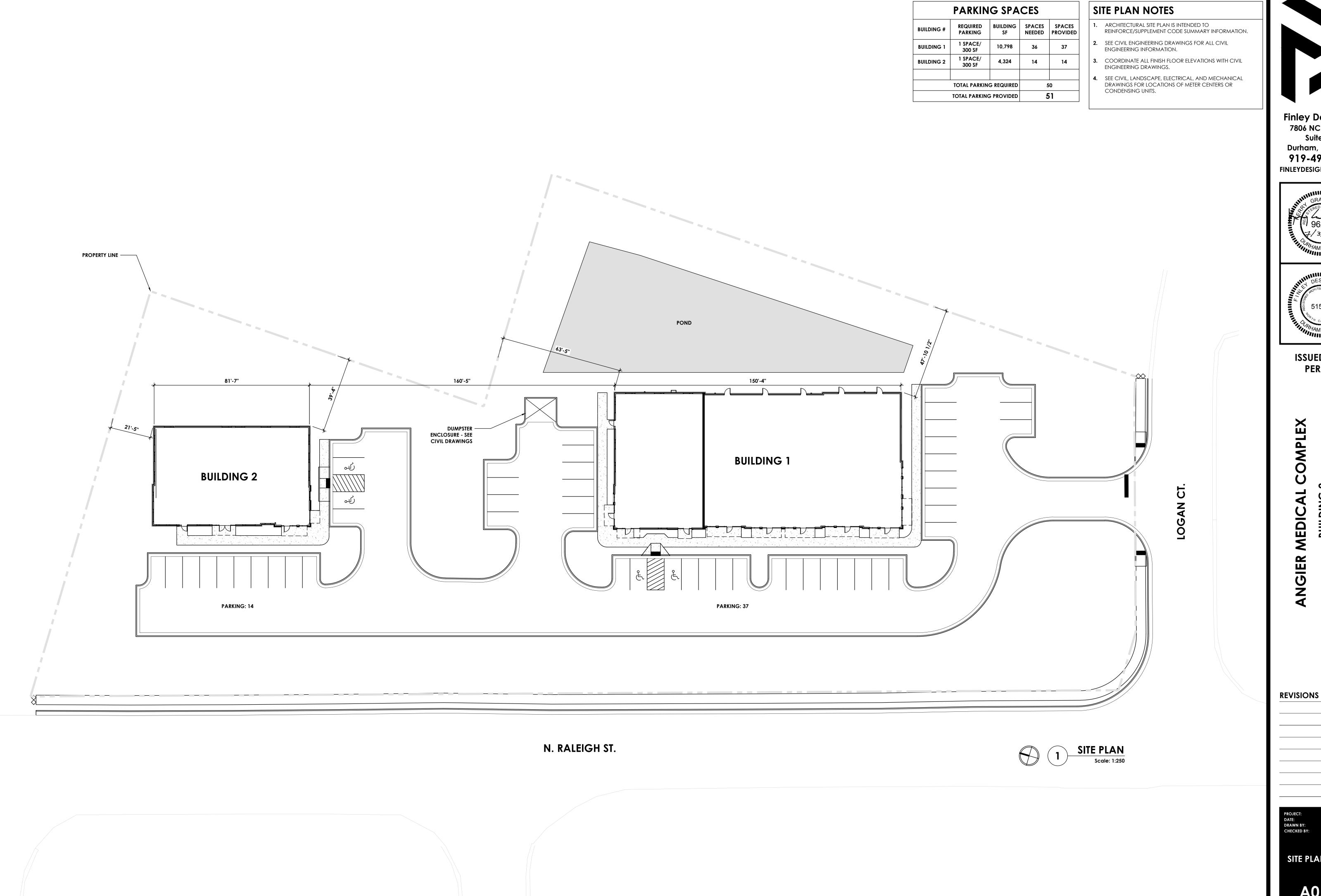




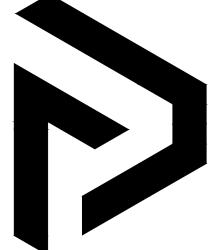
**ISSUED FOR PERMIT** 

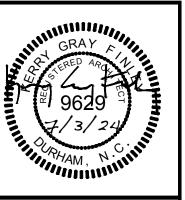
BUILDING 2 ANGIER, NC

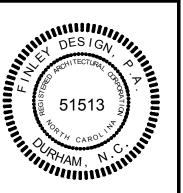
**LIFE SAFETY PLAN** A0.10









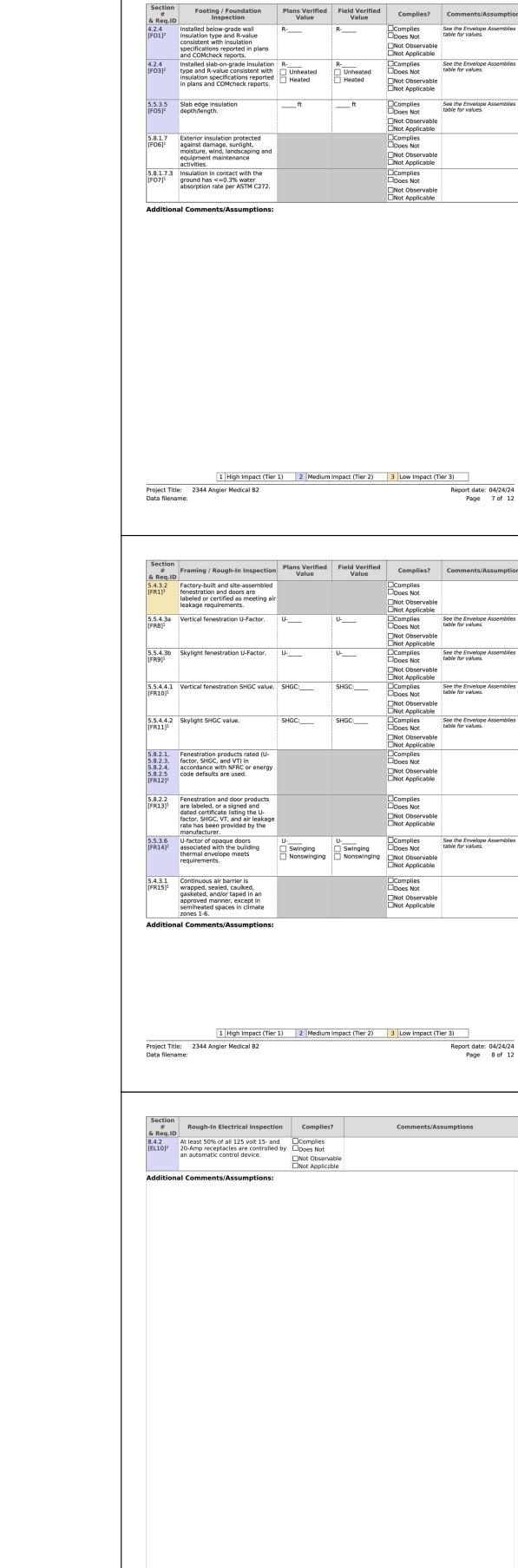


**ISSUED FOR PERMIT** 

BUILDING 2 ANGIER, NC ANGIER

SITE PLAN A0.30





| & Req.ID<br>4.2.4<br>[FO1] <sup>2</sup>  | Footing / Foundation<br>Inspection   | Plans Verified<br>Value                                     | Field Verified<br>Value | Complies?  | Comments/Assumptions                          |
|--|--|---|-------------------------|--|---|
|  | Installed below-grade wall insulation type and R-value   | R   | R                       | □Complies □Does Not  | See the Envelope Assemblies table for values. |
|  | consistent with insulation specifications reported in plans and COMcheck reports.  |   |                         | □Not Observable □Not Applicable                                    |   |
| 4.2.4<br>[FO3] <sup>2</sup>  | Installed slab-on-grade insulation<br>type and R-value consistent with<br>insulation specifications reported<br>in plans and COMcheck reports.   | R<br>Unheated Heated  | R<br>Unheated  Heated   | □Complies □Does Not □Not Observable                                | See the Envelope Assemblies table for values. |
| 5.5.3.5<br>[FO5] <sup>2</sup>  | Slab edge insulation depth/length.   | ft  | ft                      | □Not Applicable □Complies □Does Not                                | See the Envelope Assemblies table for values. |
| 5.8.1.7  | Exterior insulation protected  |   |                         | □Not Observable □Not Applicable □Complies                          |   |
| [FO6] <sup>1</sup>   | against damage, sunlight,<br>moisture, wind, landscaping and<br>equipment maintenance<br>activities.   |   |                         | Does Not Not Observable Not Applicable                             |   |
| 5.8.1.7.3<br>[FO7] <sup>1</sup>  | Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.  |   |                         | □Complies □Does Not □Not Observable                                |   |
| Addition   | al Comments/Assumptions:   |   |                         | □Not Applicable  | 1<br>1<br>1<br>1<br>1                         |
|  |  |   |                         |  |   |
|  |  |   |                         |  |   |
|  | 1 High Impact (Tier  | 1) 2 Medium   | Impact (Tier 2)         | 3 Low Impact (T  | ier 3)  |
| Project Title<br>Data filena   | e: 2344 Angier Medical B2  |   |                         | - Indiana  | Report date: 04/24/24<br>Page 7 of 12         |
|  |  |   |                         |  |   |
| Section  |  | Plans Verified  | Field Verified          |  |   |
| #<br>& Req.ID<br>5.4.3.2<br>[FR1] <sup>3</sup>   | Factory-built and site-assembled<br>fenestration and doors are   | Value   | Value                   | Complies?  □Complies □Does Not                                     | Comments/Assumptions                          |
| 5.5.4.3a   | labeled or certified as meeting air leakage requirements.  Vertical fenestration U-Factor.   | U   | U                       | □Not Observable □Not Applicable □Complies                          | See the Envelope Assemblies                   |
| [FR8] <sup>1</sup>   |  |   |                         | □Does Not □Not Observable □Not Applicable                          | table for values.                             |
| 5.5.4.3b<br>[FR9] <sup>1</sup>   | Skylight fenestration U-Factor.  | U   | U                       | □Complies □Does Not □Not Observable                                | See the Envelope Assemblies table for values. |
| 5.5.4.4.1<br>[FR10] <sup>1</sup>   | Vertical fenestration SHGC value.  | SHGC:   | SHGC:                   | □Not Applicable □Complies □Does Not                                | See the Envelope Assemblies table for values. |
| 5.5.4.4.2<br>[FR11] <sup>1</sup>   | Skylight SHGC value.   | SHGC:   | SHGC:                   | □Not Observable □Not Applicable □Complies □Does Not                | See the Envelope Assemblies table for values. |
| 5.8.2.1,   | Fenestration products rated (U-  |   |                         | □Not Observable □Not Applicable □Complies                          |   |
| 5.8.2.1,<br>5.8.2.3,<br>5.8.2.4,<br>5.8.2.5<br>[FR12] <sup>2</sup>   | factor, SHGC, and VT) in accordance with NFRC or energy code defaults are used.  |   |                         | Does Not Not Observable Not Applicable                             |   |
| 5.8.2.2  | Fenestration and door products are labeled, or a signed and  |   |                         | □Complies □Does Not  |   |
| [LK13],  | dated certificate listing the U-<br>factor, SHGC, VT, and air leakage<br>rate has been provided by the<br>manufacturer.  |   |                         | □Not Observable □Not Applicable                                    |   |
|  |  | U   | U<br>Swinging           | ☐Complies ☐Does Not ☐Not Observable                                | See the Envelope Assemblies table for values. |
| 5.5.3.6  | U-factor of opaque doors<br>associated with the building<br>thermal envelope meets<br>requirements.  | Swinging Nonswinging  | Nonswinging             |  | 1   |
| 5.5.3.6<br>[FR14] <sup>2</sup>   | U-factor of opaque doors<br>associated with the building<br>thermal envelope meets<br>requirements.  Continuous air barrier is<br>wrapped, sealed, caulked,  |   | Nonswinging             | Not Applicable    Complies   Does Not                              |   |
| 5.5.3.6<br>[FR14] <sup>2</sup><br>5.4.3.1<br>[FR15] <sup>1</sup>   | U-factor of opaque doors<br>associated with the building<br>thermal envelope meets<br>requirements.  Continuous air barrier is   |   | Nonswinging             | □Not Applicable □Complies  |   |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Addition:  | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1-6.  al Comments/Assumptions:  1   High Impact (Tiere: 2344 Angier Medical B2  | Nonswinging   | Impact (Tier 2)         | □Not Applicable □Complies □Does Not □Not Observable                | Report date: 04/24/24<br>Page 8 of 12         |
| [FR13] <sup>1</sup> 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional   | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1-6.  al Comments/Assumptions:  1   High Impact (Tiere: 2344 Angier Medical B2  | Nonswinging   |                         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24                         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Addition:  Project Title Data filena   | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1-6.  al Comments/Assumptions:  1   High Impact (Tiere: 2344 Angier Medical B2  | 1) 2 Medium   | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14]²  5.4.3.1 [FR15]¹  Addition:  Project Title Data filena  Section # Req.ID 8.4.2   | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semileated spaces in climate zones 1-6.  al Comments/Assumptions:  1   High Impact (Tier e: 2344 Angier Medical B2 me:   | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1-6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectie  At least 50% of all 125 volt 15- an 20-Amp receptacles are controllee                             | Nonswinging   | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1–6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectic At least 50% of all 125 volt 15- an 20-Amp receptacles are controlled an automatic control device. | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1–6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectic At least 50% of all 125 volt 15- an 20-Amp receptacles are controlled an automatic control device. | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1–6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectic At least 50% of all 125 volt 15- an 20-Amp receptacles are controlled an automatic control device. | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1–6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectic At least 50% of all 125 volt 15- an 20-Amp receptacles are controlled an automatic control device. | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1–6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectic At least 50% of all 125 volt 15- an 20-Amp receptacles are controlled an automatic control device. | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1–6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectic At least 50% of all 125 volt 15- an 20-Amp receptacles are controlled an automatic control device. | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1–6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectic At least 50% of all 125 volt 15- an 20-Amp receptacles are controlled an automatic control device. | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1–6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectic At least 50% of all 125 volt 15- an 20-Amp receptacles are controlled an automatic control device. | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1–6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectic At least 50% of all 125 volt 15- an 20-Amp receptacles are controlled an automatic control device. | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1–6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectic At least 50% of all 125 volt 15- an 20-Amp receptacles are controlled an automatic control device. | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |
| 5.5.3.6 [FR14] <sup>2</sup> 5.4.3.1 [FR15] <sup>1</sup> Additional Froject Title Data filenal F | U-factor of opaque doors associated with the building thermal envelope meets requirements.  Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1–6.  al Comments/Assumptions:  1 High Impact (Tier e: 2344 Angier Medical B2 me:  Rough-In Electrical Inspectic At least 50% of all 125 volt 15- an 20-Amp receptacles are controlled an automatic control device. | 1) 2 Medium  Ton Complies d Complies by Does Not Not Observ | Impact (Tier 2)         | Not Applicable  Complies  Does Not  Not Observable  Not Applicable | Report date: 04/24/24<br>Page 8 of 12         |

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

Project Title: 2344 Angier Medical B2 Data filename:

| #<br>& Req.ID                             | Insulation Inspection  | Plans Verified<br>Value              | Field Verified<br>Value           | Complies?   | Comments/Assumption                           |
|---|--|--------------------------------------|-----------------------------------|---|---|
| 4.2.4<br>[IN2] <sup>1</sup>               | 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<br>Above deck<br>Metal<br>Attic    | R<br>Above deck<br>Metal<br>Attic | □Complies □Does Not □Not Observable □Not Applicable | See the Envelope Assemblies table for values. |
| 5.8.1.2,<br>5.8.1.3<br>[IN3] <sup>1</sup> | 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<br>[IN6] <sup>1</sup>               | Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.   | R-<br>Mass<br>Metal<br>Steel<br>Wood | R<br>Mass Metal Steel Wood        | □Complies □Does Not □Not Observable □Not Applicable | See the Envelope Assemblies table for values. |
| 5.8.1.2<br>[IN7] <sup>1</sup>             | Above-grade wall insulation installed per manufacturer's instructions.   |                                      |                                   | Complies Does Not Not Observable Not Applicable     |   |
| 4.2.4<br>[IN8] <sup>2</sup>               | Installed floor insulation type and<br>R-value consistent with insulation<br>specifications reported in plans<br>and COMcheck reports.   | R<br>Mass<br>Steel<br>Wood           | R<br>Mass<br>Steel<br>Wood        | □Complies □Does Not □Not Observable □Not Applicable | See the Envelope Assemblies table for values. |
| 5.8.1.1<br>[IN10] <sup>2</sup>            | Building envelope insulation is<br>labeled with R-value or insulation<br>certificate has been provided<br>listing R-value and other relevant<br>data.  |                                      |                                   | Complies Does Not Not Observable Not Applicable     |   |
| 5.8.1.9<br>[IN18] <sup>2</sup>            | 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<br>[IN11] <sup>2</sup>            | Eaves are baffled to deflect air to above the insulation.  |                                      |                                   | □Complies □Does Not □Not Observable □Not Applicable |   |
| 5.8.1.5<br>[IN12] <sup>2</sup>            | Insulation is installed in<br>substantial contact with the<br>inside surface separating<br>conditioned space from<br>unconditional space.  |                                      |                                   | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable |   |
| 5.8.1.6<br>[IN13] <sup>2</sup>            | 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<br>[IN15] <sup>2</sup>          | 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 (T                                     | ier 3)  |
| Project Titl<br>Data filena               |  |                                      |                                   | ·   | Report date: 04/24/24<br>Page 10 of 12        |

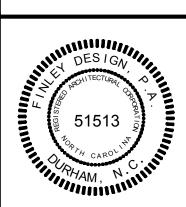
| S.8.1.7   Foundation vents do not interfere with insulation.   Compiles   C | #<br>& Req.ID | Insulation Inspection               | Plans Verified Value | Field Verified<br>Value | Complies?        | Comments | Assumpti |
|--|---------------|-------------------------------------|----------------------|-------------------------|------------------|----------|----------|
| Not Observable   | 5.8.1.7.2     | Foundation vents do not interfere   | е                    |                         | Complies         |          |          |
| S.B.1,8   Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended celling, Mark this requirement compliant if insulation is installed accordingly.    Additional Comments/Assumptions:   Not Applicable   Not Applicable  | []            | madddin                             |                      |                         |                  |          |          |
| roof insulation requirements  Does Not suspended ceiling, Mark this requirement compliant if insulation is installed accordingly.  Additional Comments/Assumptions:  |               |                                     |                      |                         |                  |          |          |
| cannot be installed on top of a suspended celling. Mark this requirement compliant if insulation is installed accordingly.  Additional Comments/Assumptions:   | 5.8.1.8       | Insulation intended to meet the     |                      |                         | Complies         |          |          |
| Additional Comments/Assumptions:   | [IMT\]        | cannot be installed on top of a     |                      |                         |                  |          |          |
| insulation is installed accordingly.  Additional Comments/Assumptions:   |               | suspended ceiling. Mark this        |                      |                         |                  |          |          |
|  |               | insulation is installed accordingly | /.                   |                         |                  |          |          |
| 1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)  |               |                                     |                      |                         |                  |          |          |
| 1   High Impact (Tier 1)   2   Medium Impact (Tier 2)   3   Low Impact (Tier 3)  |               |                                     |                      |                         |                  |          |          |
|  |               | 1 High Impact (Tie                  | r 1) 2 Medium        | Impact (Tier 2)         | 3 Low Impact (Ti | er 3)    |          |
| Project Title: 2344 Angier Medical B2 Report date: 04/24   |               |                                     |                      |                         |                  |          |          |
| Data filename: Page 11 of  |               | me:                                 |                      |                         |                  | Page     | 11 of 12 |

| Section<br>#<br>& Req.ID      | F                              | inal Inspection   | Complies?   |              | Comments     | /Assumptio | ns       |        |
|-------------------------------|--------------------------------|---|---|--------------|--------------|------------|----------|--------|
| 5.4.3.3<br>[FI1] <sup>1</sup> | Weathersea<br>dock cargo<br>8. | als installed on all loading<br>doors in Climate Zones 4- | □Complies □Does Not □Not Observable □Not Applicable |              |              |            |          |        |
| Addition                      | al Comme                       | nts/Assumptions:  | ∟Not Applicable                                     |              |              |            |          |        |
| -tuurtioin                    |                                | nts/Assumptions:  |   |              |              |            |          |        |
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2344 7/3/24 KEL KEL PROJECT: DRAWN BY: CHECKED BY: **THERMAL ENVELOPE** COMPLIANCE

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.

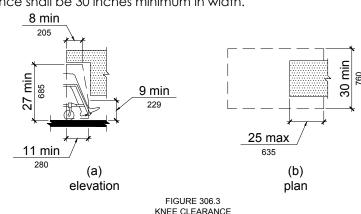
**306.2.5 Width.** Toe clearance shall be 30 inches wide minimum.

### 306.3 Knee Clearance

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

**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.



### 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.

### 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 struction, the clear tloor space shall extend beneath the element tor c 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.

## 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

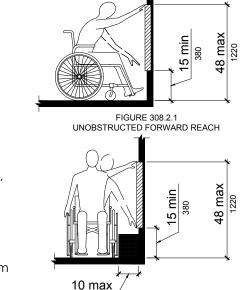
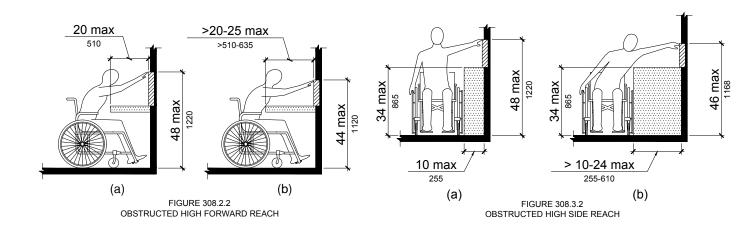


FIGURE 307.2

LIMITS OF PROTRUDING OBJECTS

10 max / 255 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.



# **ACCESSIBLE ROUTES**

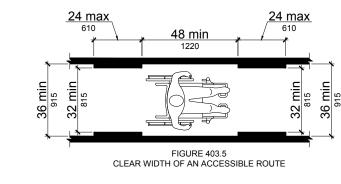
**403.3 Slope.** the running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48

## **403.5.1 Clear width.** The clear width of walking surfaces shall be 36 inches wide minimum.

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

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.



### 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

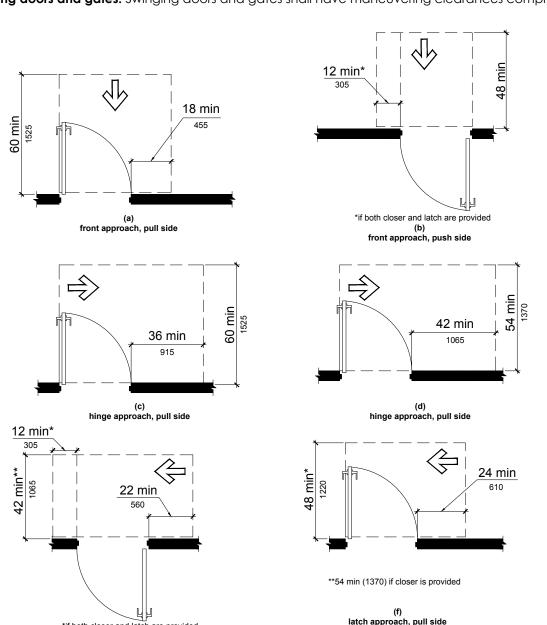
404.2.2 Clear width. Door openings shall provide a clear width of 32 inches minimum. Clear opening width of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches in depth at doors and doorways without doors 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.

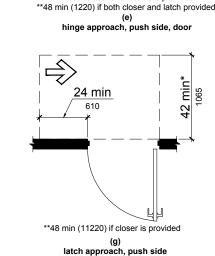
### Exceptions:

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

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





\*if both closer and latch are provided

FIGURE 404.2.3.2 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS

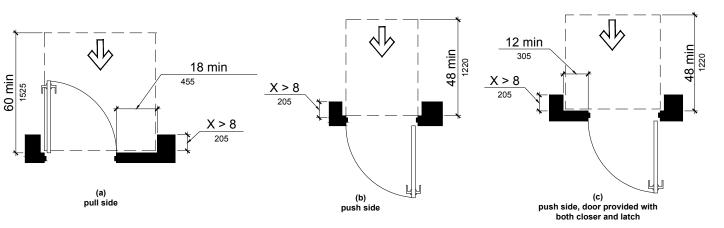


FIGURE 404.2.3.5 MANEUVERING CLEARANCES AT RECESSED DOORS

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

**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

**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

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

in a closed position.

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.

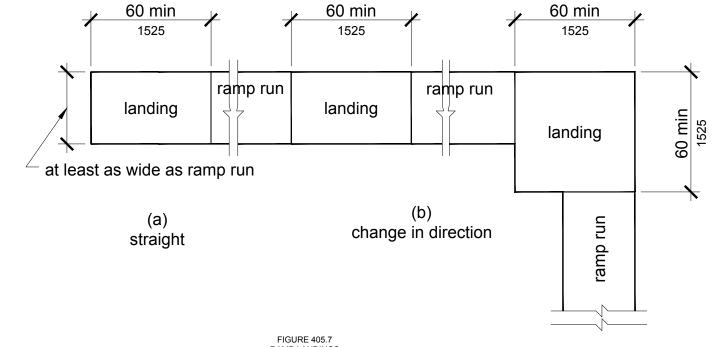
**405.6 Rise.** The rise for any ramp run shall be 30 inches maximum.

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.



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

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

**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

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.

407.2.22 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

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

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

407.4.9.1 Visible indicators. Visible indicators shall comply with Section 407.4.9.1

**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

**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.

steeper than 1:48. Access aisles shall be at the same level as the parking spaces they serve.

**502.5 Floor surfaces.** Parking spaces and access aisles shall comply with Section 302 and have surface slopes not

**502.6 Vertical clearance.** A vertical clearance of 98 inches minimum shall be provided at the following locations: 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.

### **504.2 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.

accumulation of water

**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

**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.

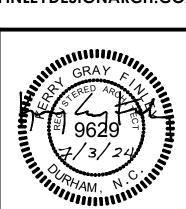
**505.4 Height.** Top of gripping surfaces of handrails shall be 34 inches minimum and 38 inches maximum vertically above stair nosings, ramp surfaces, and walking surfaces

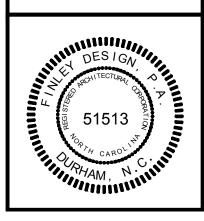
**505.6 Gripping surface.** Handrail gripping surfaces shall be continuous, without interruption by newel posts, other construction elements, or obstructions.

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

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

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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.

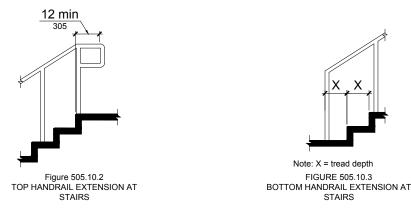
505.8 Surfaces. Handrails gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements. Edges shall be rounded.

**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



# **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

### **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.

- 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.
- 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.

## 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.

**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

**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

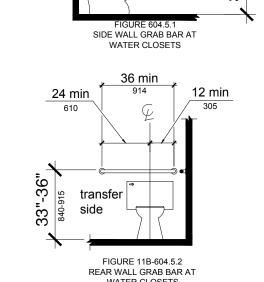


FIGURE 604.3

SIZE OF CLEARANCE FOR WATER CLOSET

**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.

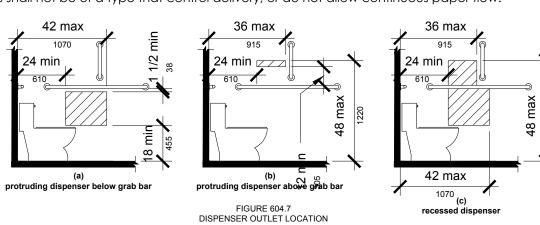
- Exceptions: 1. The rear grab bar shall be permitted to be 24 inches minimum in length, centered on the water closet, where wall space does not permit a grab bar 36 inches minimum in length due to the location of a recessed fixture adjacent to the water closet.
- Where the administrative authority requires 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

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.

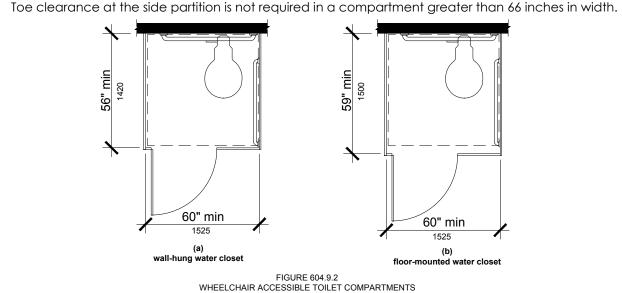


604.9 Wheelchair Accessible Compartments **604.9.2.1 Minimum Area.** The minimum area of a wheelchair accessible compartment shall be 60 inches minimum in width measured perpendicular to the side wall, and 56 inches minimum in depth for wall hung water closets, and 59 inches minimum in depth for floor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

- 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.



### 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.

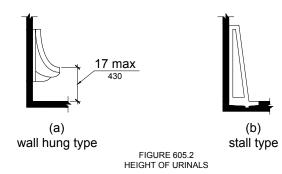
**604.10.3 Doors.** Toilet compartment doors, including door hardware, shall comply with Section 404, except if the approach is to the latch side of the compartment door the door clearance between the door side of the compartment and any obstruction shall 42 inches minimum. The door shall be self-closing. 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.

**605.2 Height and depth.** Uringls 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

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

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



## **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

**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

# **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

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

the function of separate vertical and horizontal grab bars.

shall be located 15 inches maximum from the head end wall and extend 12 inches maximum from the control end

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

**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

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.

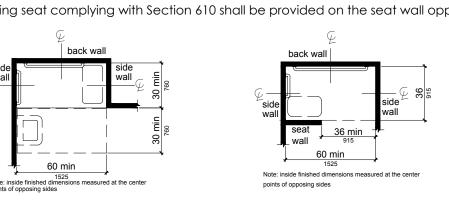
608.2.2.3 Seat. A folding seat complying with Section 610 shall be provided on an end wall.

- 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.



### FIGURE 608.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE 608.3 Grab bars.

608.3.1 Grab bars in Transfer-type showers.

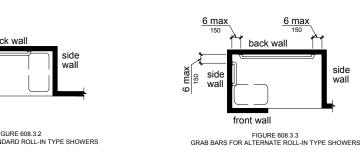
608.3.1.1 Horizontal grab bars. Horizontal grab bars shall be provided across the control wall and on the back wall to a point 18 inches from the control wall.

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

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

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.



# 608.4 Controls and hand showers.

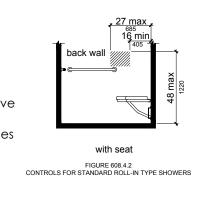
**608.4.1 Transfer-type showers**. In transfer-type showers, the controls and hand shower shall be located:

(elevation)

- 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.



**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,

### 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

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

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.

**610.2 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

**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

611.3 Operable parts. Operable parts, including doors, lint screens, detergent and bleach compartments, shall

**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**

with Section 703.3.

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

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.

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.

Exception: In assembly seating where the maximum viewing distance is 100 feet or greater, the height of the

**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"

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

**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

## 703.3 Raised characters.

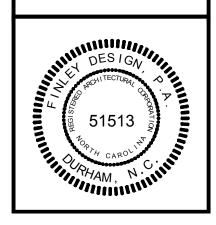
703.3.2 Depth. Raised characters shall comply with section 703.3, and shall be duplicated in braille complying with

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.

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**REVISIONS** 

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# 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

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.

703.5.2 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.

**705.1 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 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.

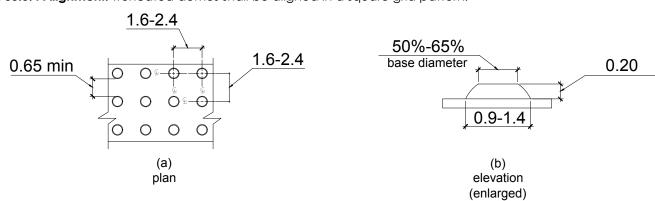
### 705.5 Truncated Domes.

**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

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



## TRUNCATED DOMES SIZE AND SPACING

706 ASSISTIVE LISTENING SYSTEMS

**706.1 General.** Assistive listening systems required in assembly areas shall comply with Section 706.

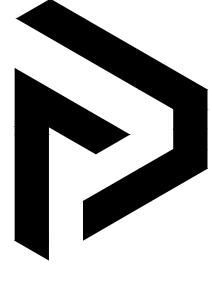
706.2 Receiver jacks. Receivers required for use with assistive listening systems shall include a 1/8 inch standard

## 708 TWO-WAY COMMUNICATION SYSTEMS

**708.1 General.** Accessible two-way communication systems shall comply with Section 708.

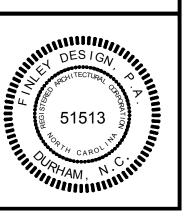
**708.2 Audible and Visual Indicators.** The system shall provide both visual and audible signals.

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



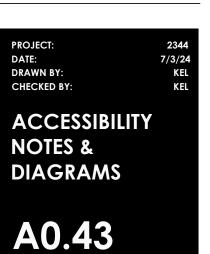
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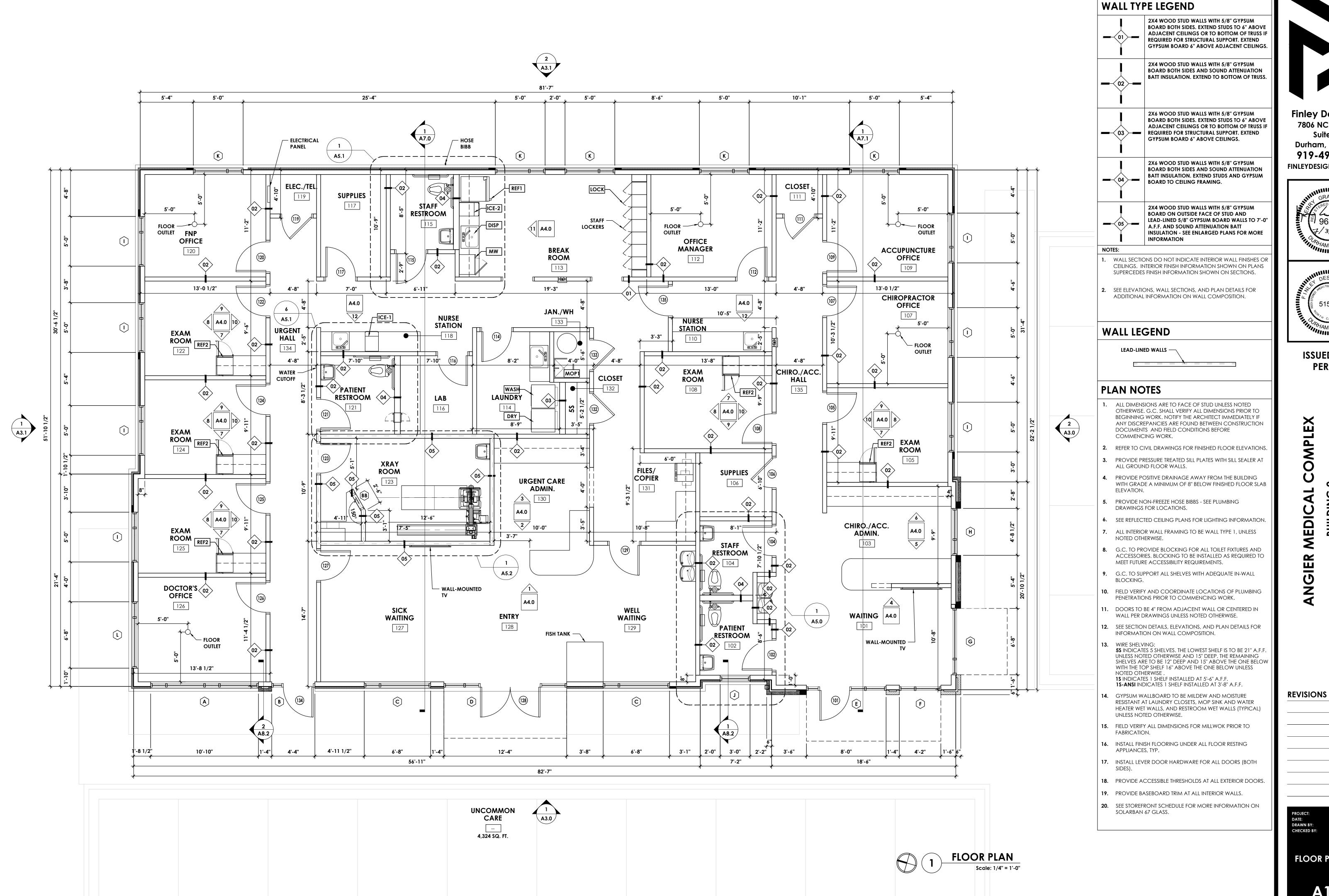


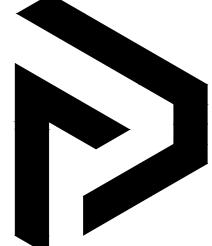


**ISSUED FOR** 

**REVISIONS** 







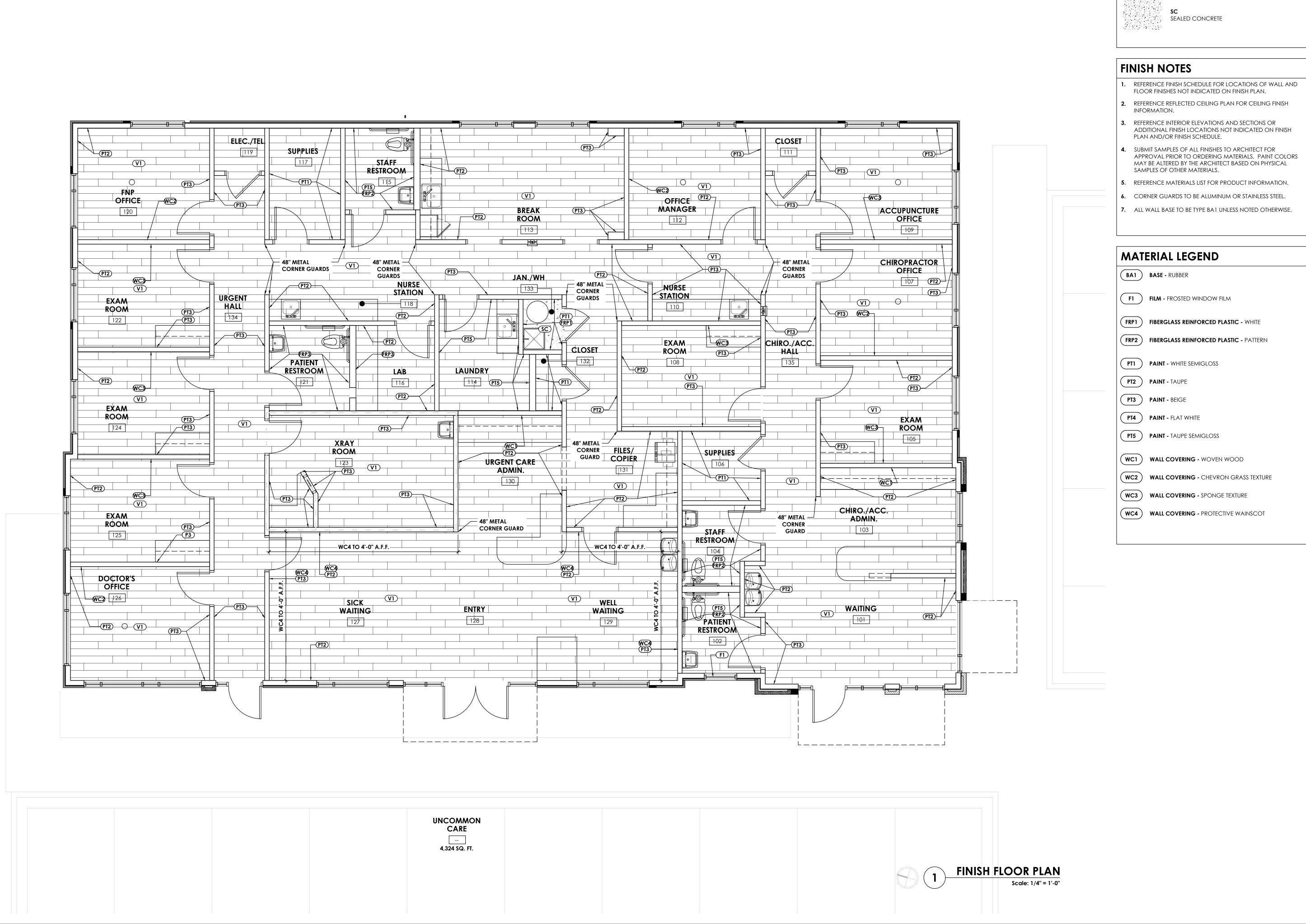




**ISSUED FOR** 

**PERMIT** 

CHECKED BY: **FLOOR PLAN** 





FINISH LEGEND

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# ATTIC NOTES

- SEE REFLECTED CEILING PLAN AND MECHANICAL DRAWINGS FOR MORE INFORMATION.
- MAINTAIN 30" MIN. CLEAR HEADROOM ABOVE PLYWOOD FLOORS.
- DRAFTSTOPPING SHALL DIVIDE THE ATTIC SPACE INTO PARTITIONS OF NO MORE THAN 3,000 SF MAXIMUM.

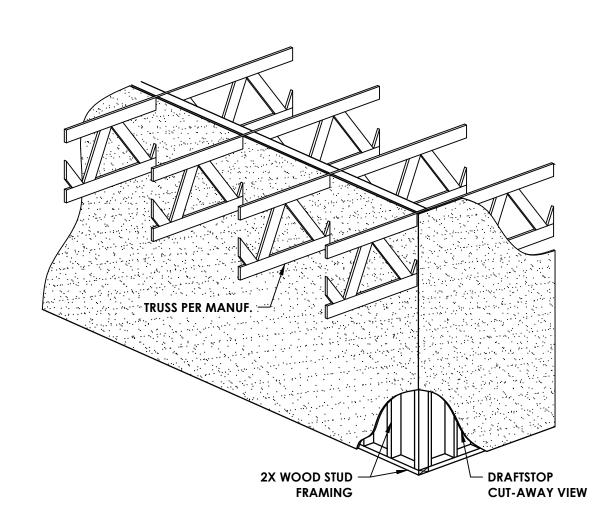
# WALL LEGEND

WALLS WITH SOUND

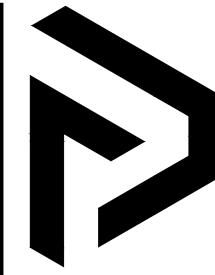
ATTENUATION BATT INSULATION

- EXTEND TO B.O. TRUSS

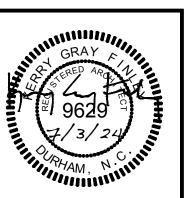
DRAFTSTOP PARTITION WALL -







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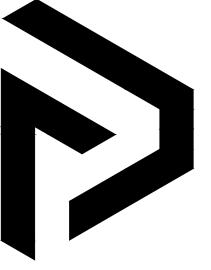


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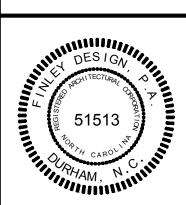
BUILDING 2 ANGIER, NC ANGIER

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**ATTIC PLAN** 







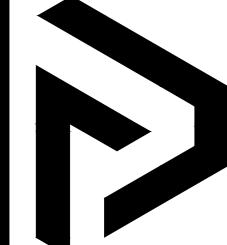
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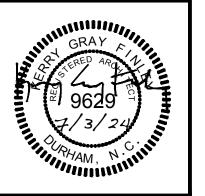
MEDICAL COMPLI BUILDING 2 ANGIER, NC

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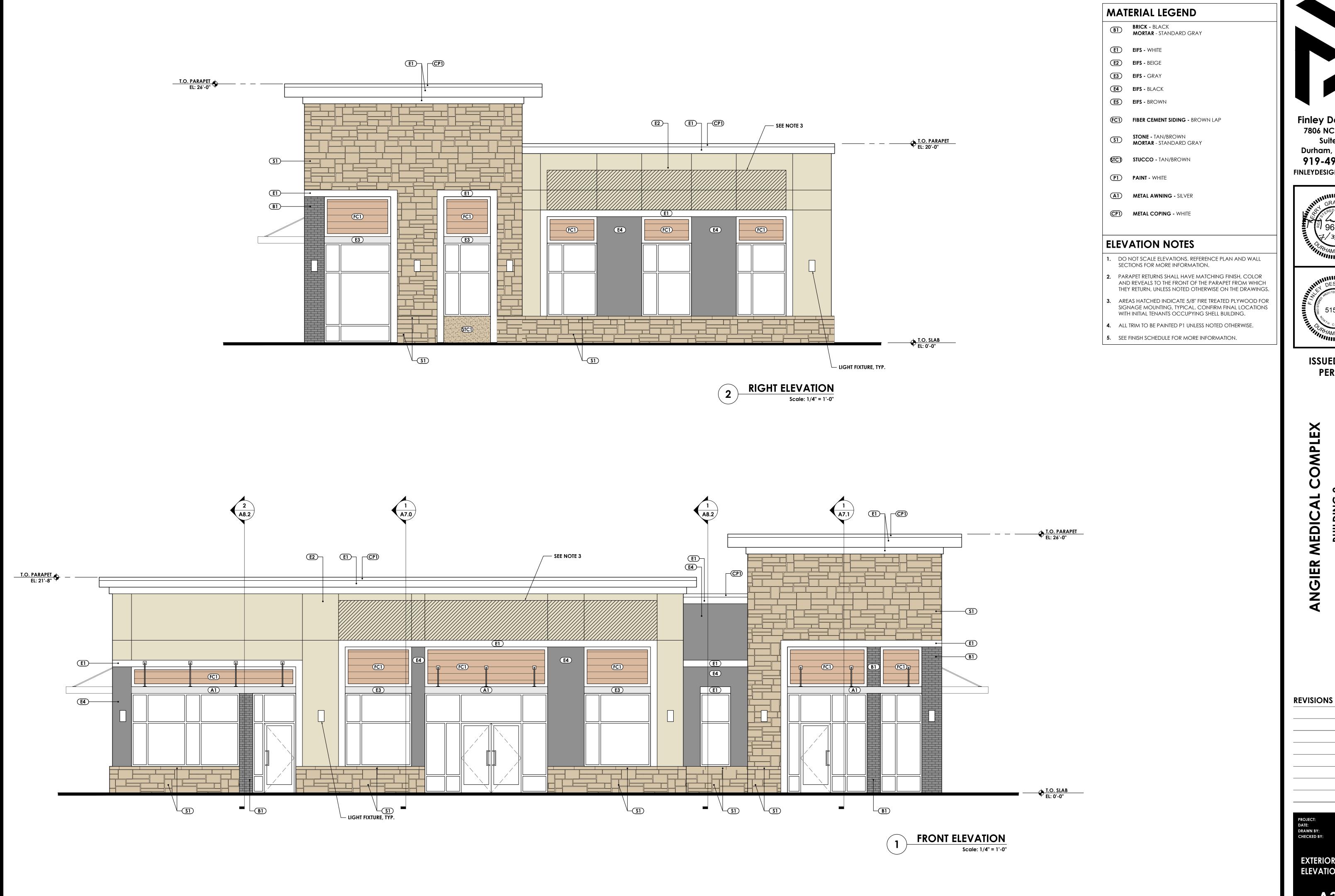


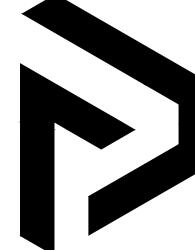
**ISSUED FOR** 

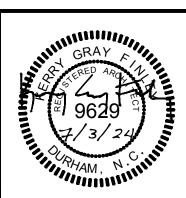
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**ROOF PLAN** 

**A2.0** 









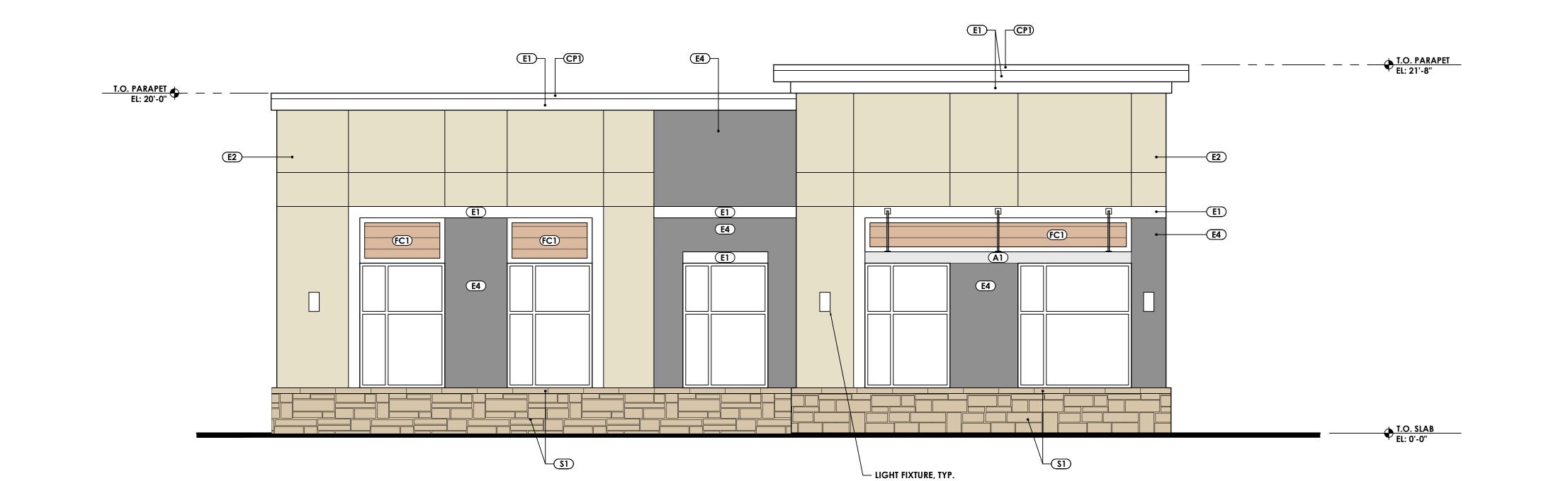
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**EXTERIOR ELEVATIONS A3.0** 





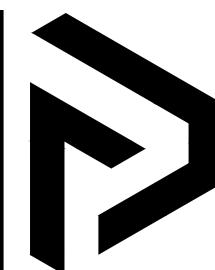
Scale: 1/4" = 1'-0"

# MATERIAL LEGEND

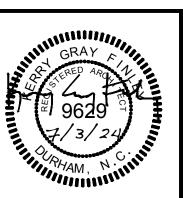
- BRICK BLACK
  MORTAR STANDARD GRAY
- EI EIFS WHITE
- EIFS BEIGE
- E3 EIFS GRAY
- EIFS BLACK
- E5 EIFS BROWN
- FC1 FIBER CEMENT SIDING BROWN LAP
- STONE TAN/BROWN
  MORTAR STANDARD GRAY
- STUCCO TAN/BROWN
- P1 PAINT WHITE
- METAL AWNING SILVER
- **CP1 METAL COPING -** WHITE

# **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.



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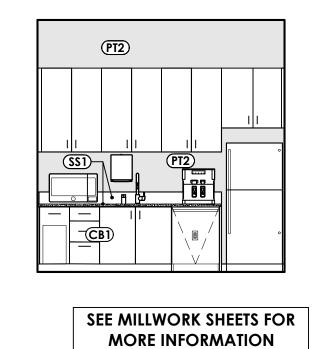
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DJECT: 2344 E: 7/3/24

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

EXTERIOR
ELEVATIONS

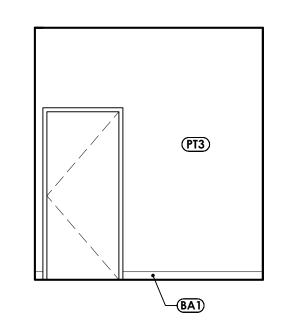
A3.1

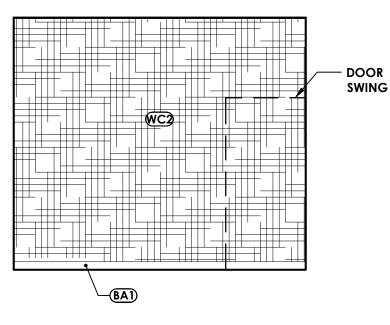


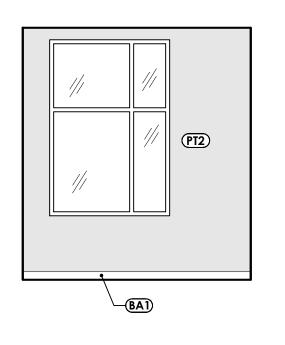


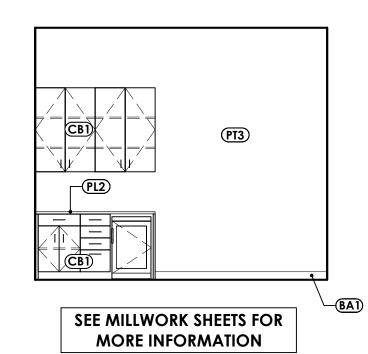
**BREAK ROOM ELEVATION** 

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







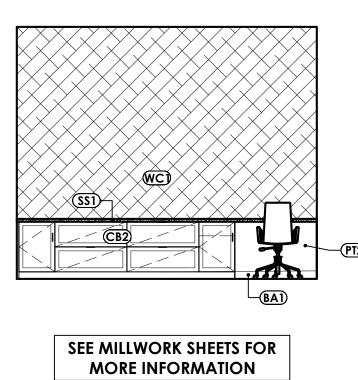


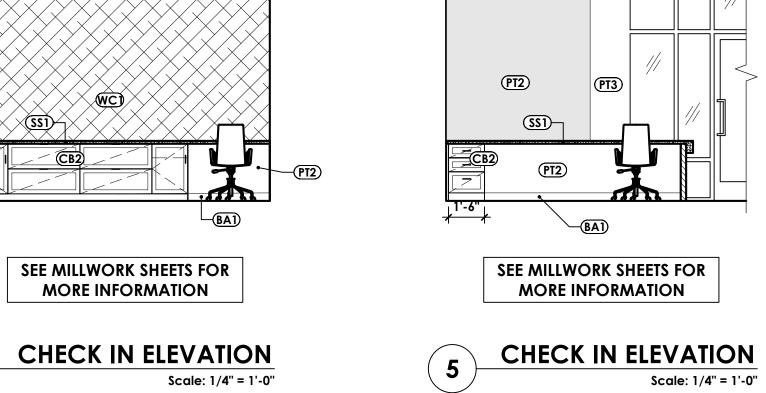


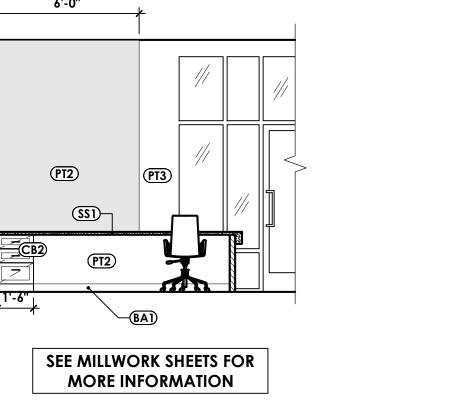


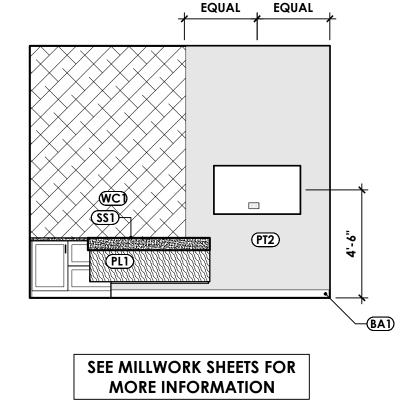




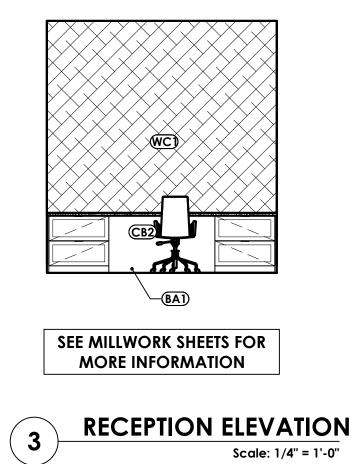


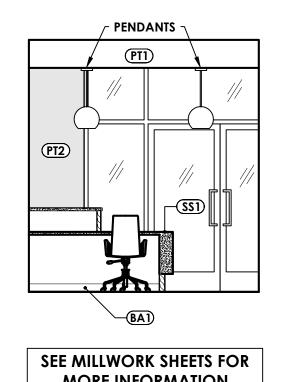


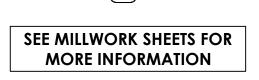




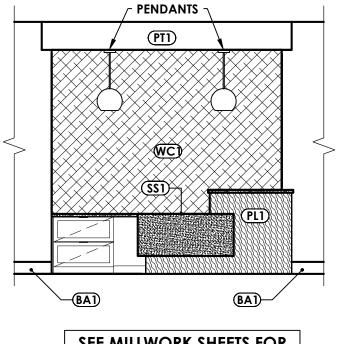
CHECK IN ELEVATION
Scale: 1/4" = 1'-0"











SEE MILLWORK SHEETS FOR MORE INFORMATION



MATERIAL LEGEND

**BA1 WALL BASE -** RUBBER

PL2 PLASTIC LAMINATE - MARBLE-LOOK

PT1 PAINT - WHITE SEMIGLOSS

PT2 PAINT - TAUPE

PT3 PAINT - BEIGE

SS1) SOLID SURFACE - MARBLE-LOOK

WC) WALL COVERING - WOVEN WOOD

WC2 WALL COVERING - CHEVRON GRASS TEXTURE

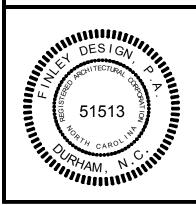
**ELEVATION NOTES** 

1. DO NOT SCALE ELEVATIONS. REFERENCE PLAN AND WALL SECTIONS FOR MORE INFORMATION.

**2.** SEE FINISH SCHEDULE FOR MORE INFORMATION.

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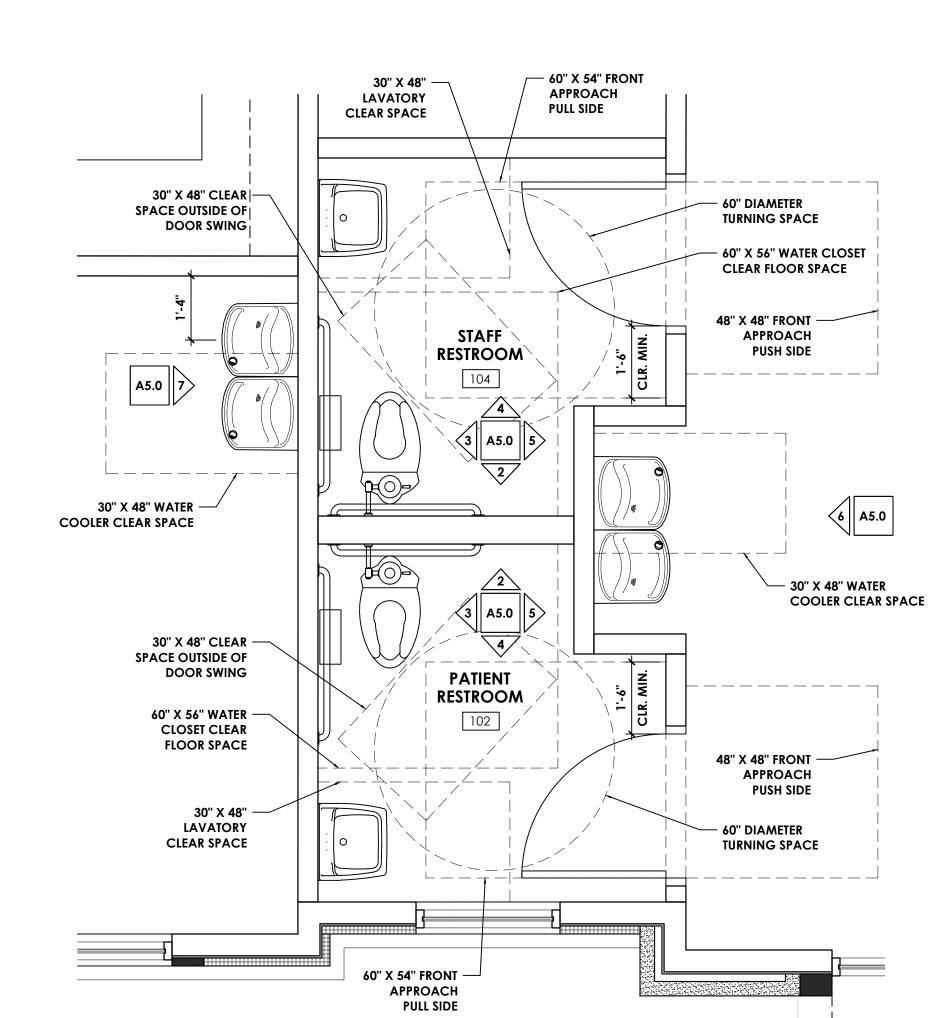
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**INTERIOR ELEVATIONS A4.0** 

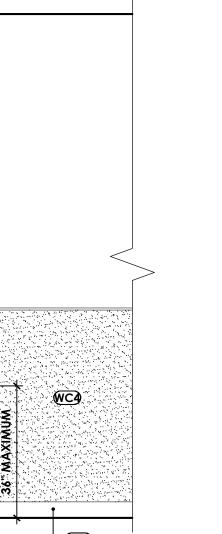
# **ELEVATION NOTES**

- 1. DO NOT SCALE ELEVATIONS. REFERENCE PLAN AND WALL SECTIONS FOR MORE INFORMATION.





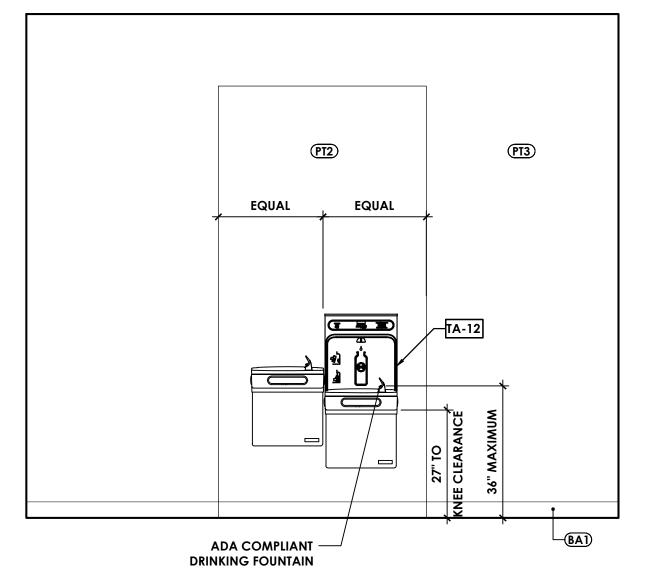
2. SEE FINISH SCHEDULE FOR MORE INFORMATION.



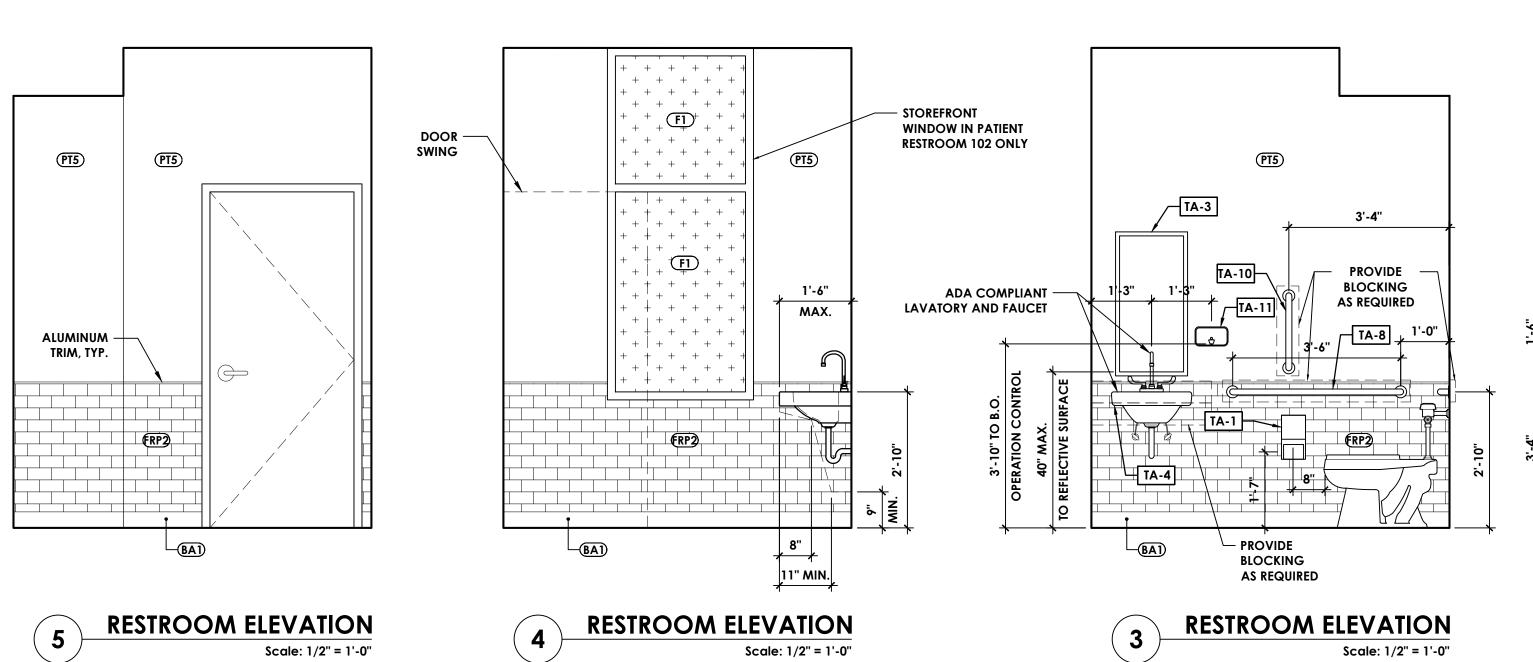
\* REVERSE IF PLAN LAYOUT DIFFERS

WELL WAITING WATER COOLER ELEVATION

ADA COMPLIANT -DRINKING FOUNTAIN



CHIRO/ACC. WATER COOLER ELEVATION Scale: 1/2" = 1'-0"



\* REVERSE IF PLAN LAYOUT DIFFERS

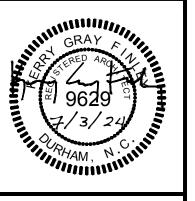
\* REVERSE IF PLAN LAYOUT DIFFERS

PT5 PT5 ∕—TA-13 **BLOCKING** AS REQUIRED 3'-0" TA-2 1'-6"

**RESTROOM ELEVATION** Scale: 1/2" = 1'-0" \* REVERSE IF PLAN LAYOUT DIFFERS

CHIRO./ACCU. RESTROOMS PLAN Scale: 1/2" = 1'-0" Finley Design PA Suite 110

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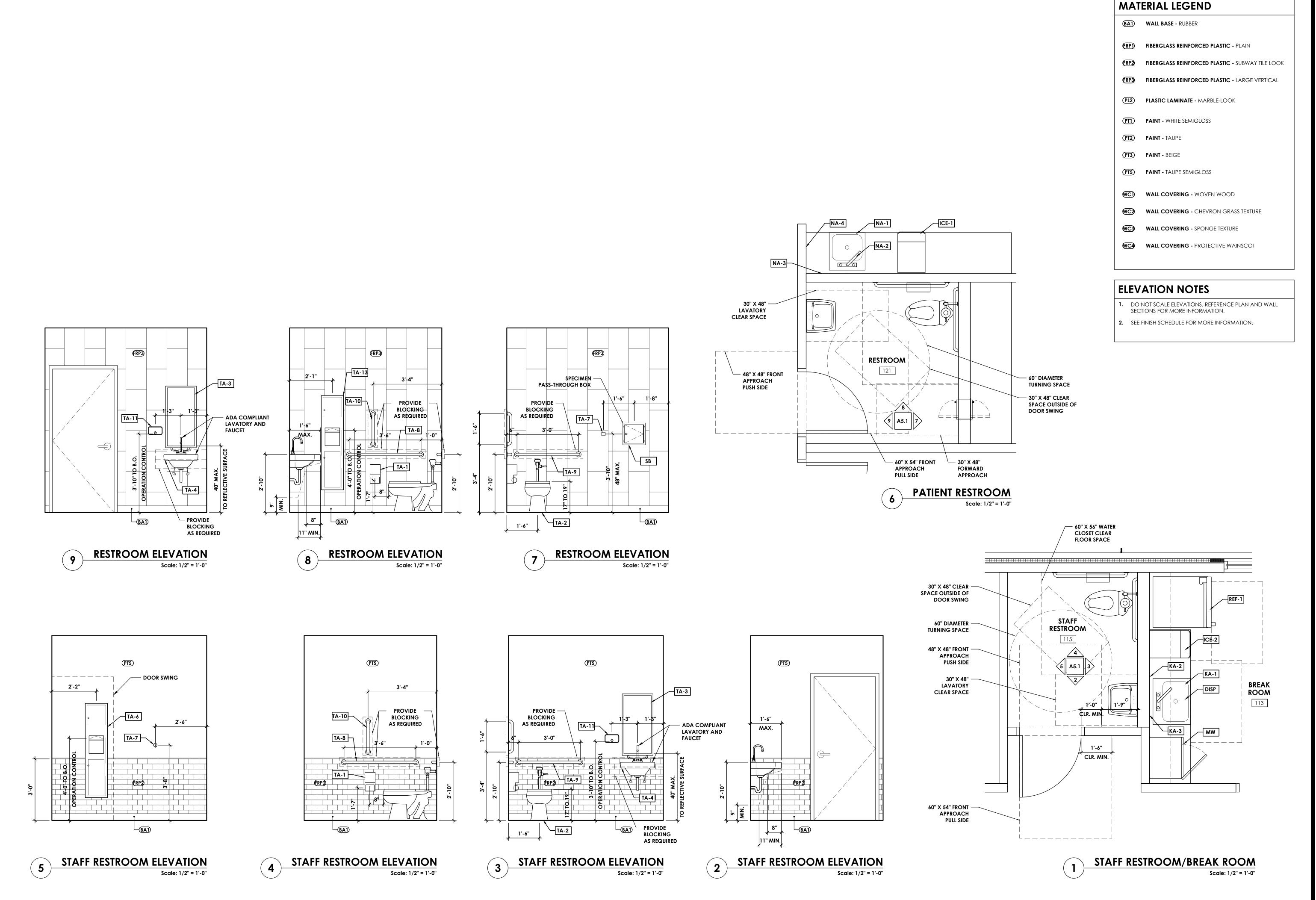


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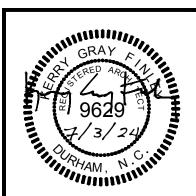
BUILDING **MEDIC ANGIER** 

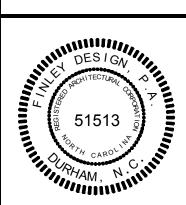
**REVISIONS** 

PROJECT: DATE: DRAWN BY: CHECKED BY: **ENLARGED PLANS AND ELEVATIONS A5.0** 







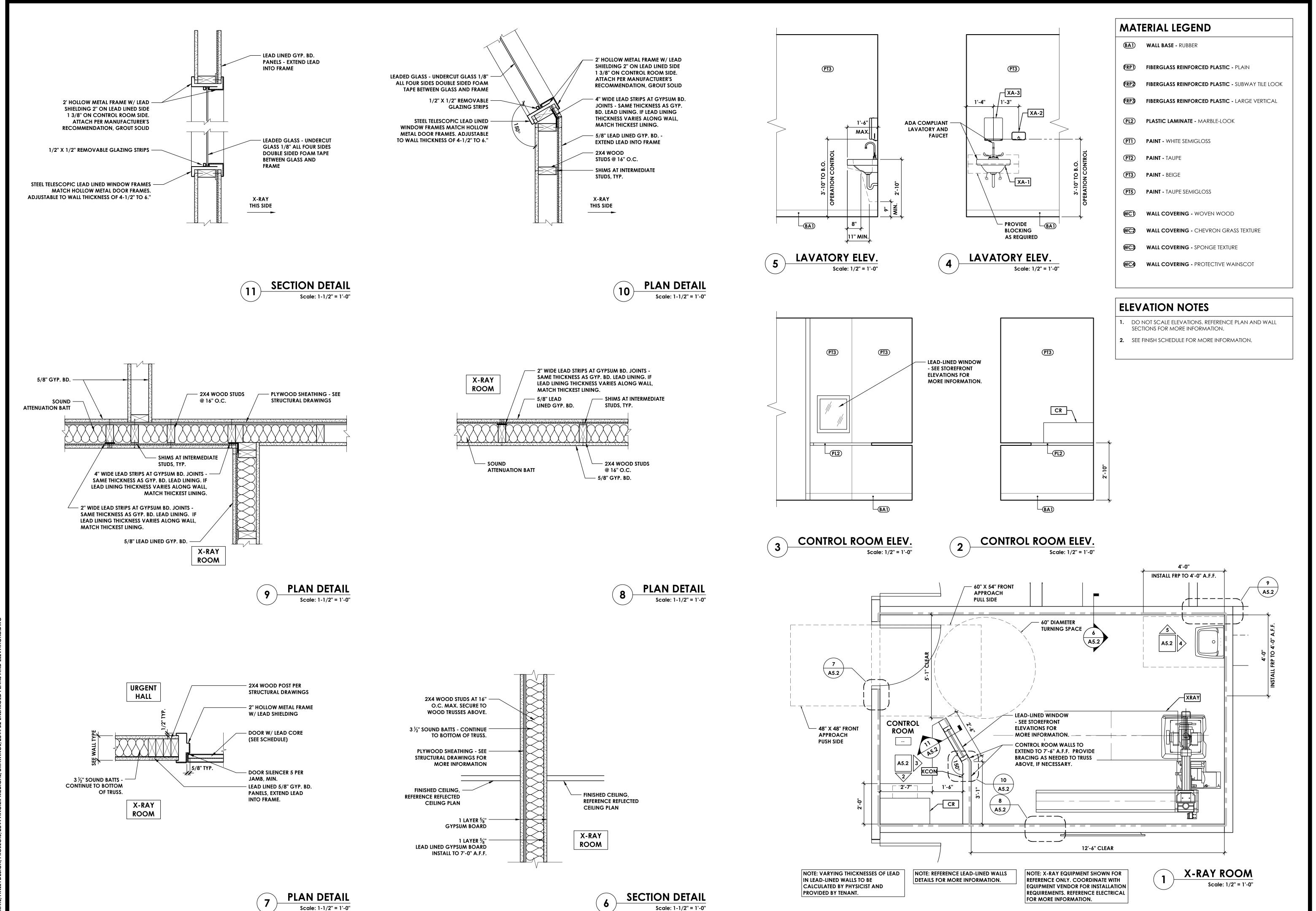


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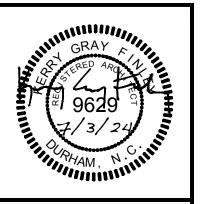
ANGIER, NC BUILDING **ANGIER** 

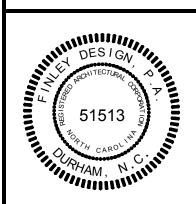
**REVISIONS** 

DATE:
DRAWN BY:
CHECKED BY: **ENLARGED PLANS AND ELEVATIONS** A5.1







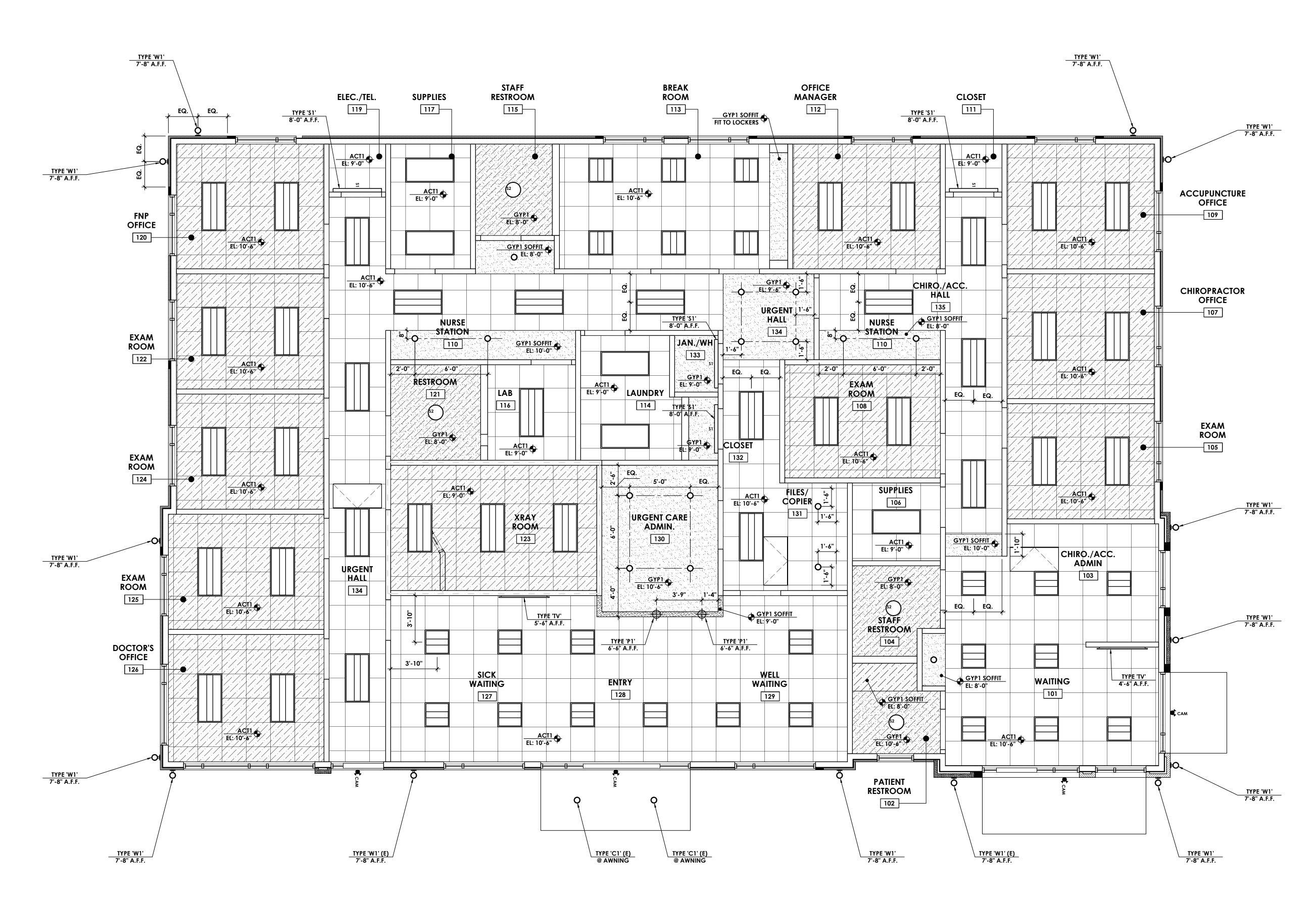


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DRAWN BY: CHECKED BY: **ENLARGED PLANS AND ELEVATIONS** A5.2



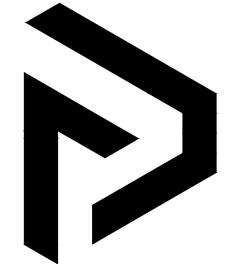
| EXTERIOR | EXTERIOR FIXTURES  |  |  |  |  |  |  |  |  |
|----------|--|--|--|--|--|--|--|--|--|
| 0        | LIGHT FIXTURE TYPE - C1 FLUSH-MOUNT CEILING - WAC LIGHTING - TUBE - 5" CEILING MOUNT 3000K - FM-W2605-AL   |  |  |  |  |  |  |  |  |
| 8        | LIGHT FIXTURE TYPE - W1<br>WALL UP/DOWN - WAC LIGHTING - CALIBER -<br>WS-W36614-AL                         |  |  |  |  |  |  |  |  |
| CAM 🏞    | FIXTURE TYPE - CAM SECURITY CAMERA CONDUIT AND JUNCTION BOX - CAMERA TO BE PROVIDED AND INSTALLED BY OWNER |  |  |  |  |  |  |  |  |

| INTERIOR | FIXTURES   |
|----------|--|
|          | LIGHT FIXTURE TYPE - L1 LAY-IN 2X4 DIRECT-INDIRECT - LITHONIA - AVANTE LED RECESSED DIRECT-INDIRECT - 2AVL4 3000K                      |
|          | LIGHT FIXTURE TYPE - L2 LAY-IN 2X2 DIRECT-INDIRECT - LITHONIA - AVANTE LED RECESSED DIRECT-INDIRECT - 2AVL2 3000K                      |
|          | LIGHT FIXTURE TYPE - L3 LAY-IN 2X4 DIRECT - LITHONIA - AVANTE LED RECESSED DIRECT - 2GTL 4 3000K                                       |
| <b></b>  | LIGHT FIXTURE TYPE - P1 PENDANT - SHADES OF LIGHT - LUCEREN PENDANT BRASS/MILK GLASS - PE23013 AB                                      |
| 0        | LIGHT FIXTURE TYPE - R1 RECESSED ROUND WITH TRIM - WAC LIGHTING - 4" FQ ROUND DOWNLIGHT TRIM - R4FRDT-930-3000K-90-WT                  |
| <u>~</u> | LIGHT FIXTURE TYPE - \$1<br>SURFACE MOUNT UTILITY - LITHONIA - CLX -<br>CLX48  |
| (52)     | LIGHT FIXTURE TYPE - \$2<br>SURFACE MOUNT DISC - WAC LIGHTING -<br>ROUND LED FLUSH MOUNT - FM-15RN-930-WT                              |
|          | ATTIC ACCESS DOOR  DROP-GRID ACCESS DOOR - WILLIAMS BROTHERS - 24 X 48 ALUMINUM SUSPENDED CEILING T-BAR ACCESS DOOR - WB TB 1210 24X48 |
| CEILING  | LEGEND   |
|          | ACT1 2 X 2 ACOUSTIC CEILING TILE GRID: PRELUDE XL 15/6" EXPOSED TEE, WHITE, SUPPORT 4'-0" O.C.   |

| R  | CP 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.  |
| 6. | ATTIC ACCESS DOORS TO BE 20" X 30" MINIMUM.  |

PAINTED GYPSUM BOARD

SOUND BATT INSULATION ABOVE TRUSSES



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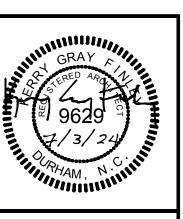
BUILDING 2 ANGIER, NC MEDICAL

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or COMPLEX

ANGIER MEDICAL C
BUILDING 2
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DATE: 7/3/24
DRAWN BY: KEL
CHECKED BY: KEL

BUILDING
SECTION

A7.0







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MEDICAL COMPI BUILDING 2 ANGIER, NC

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**ANGIER** 

OWNER/PERMIT MM-DD-YY

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

BUILDING
SECTION

A7.1







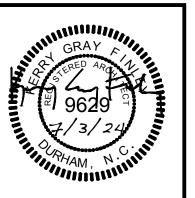
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OWNER/PERMIT MM-DD-YY









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BUILDING 2 ANGIER, NC

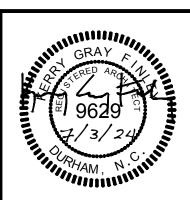
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↑ OWNER/PERMIT MM-DD-YY

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

WALL SECTIONS







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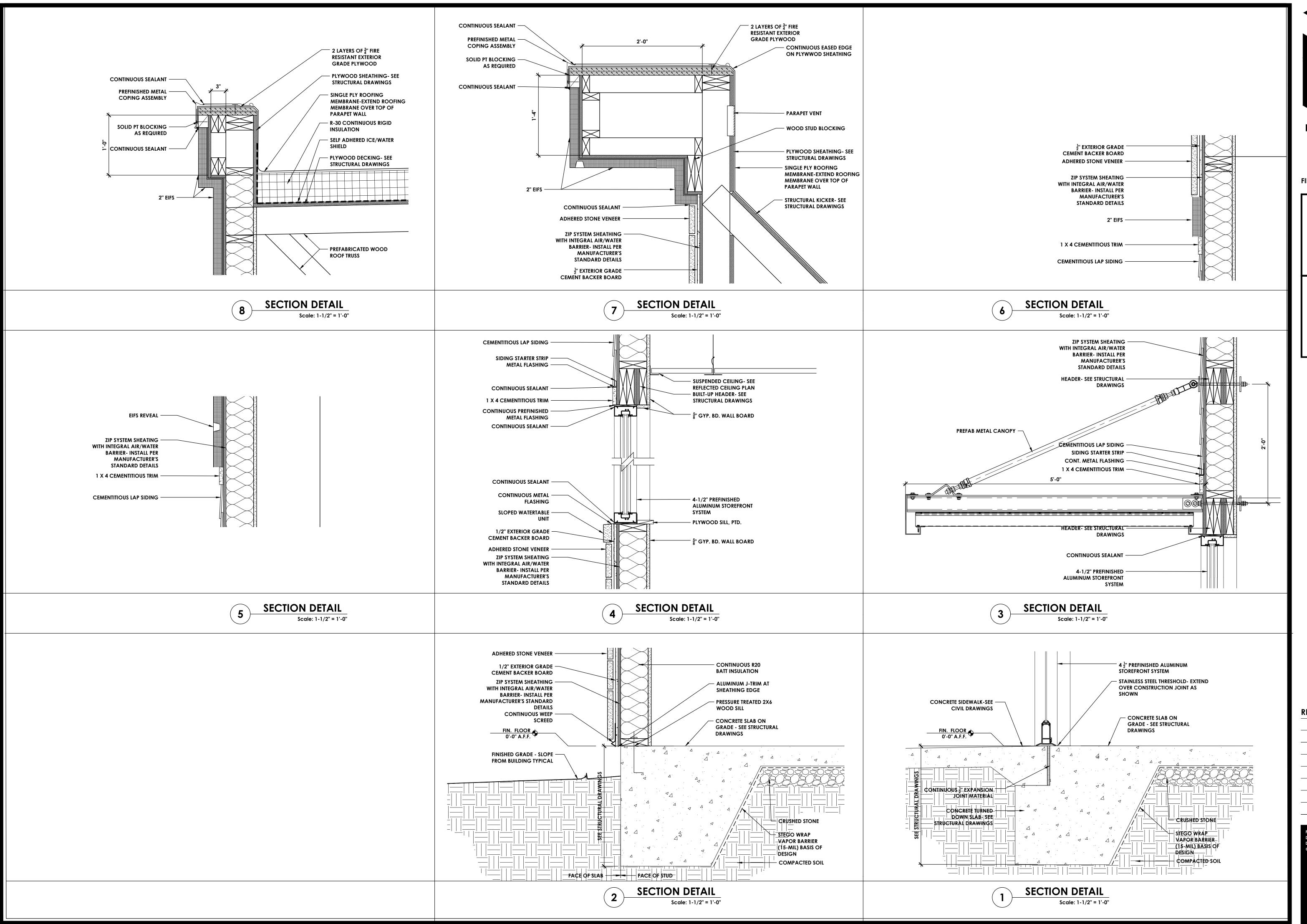
MEDICAL COMPI BUILDING 2 ANGIER, NC

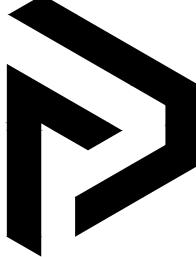
REVISIONS

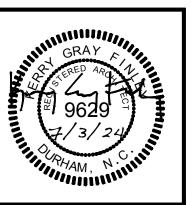
OWNER/PERMIT MM-DD-YY

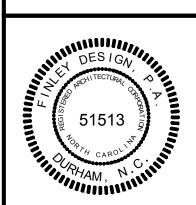
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DATE: 7/3/24
DRAWN BY: KEL
CHECKED BY: KEL

A8.2









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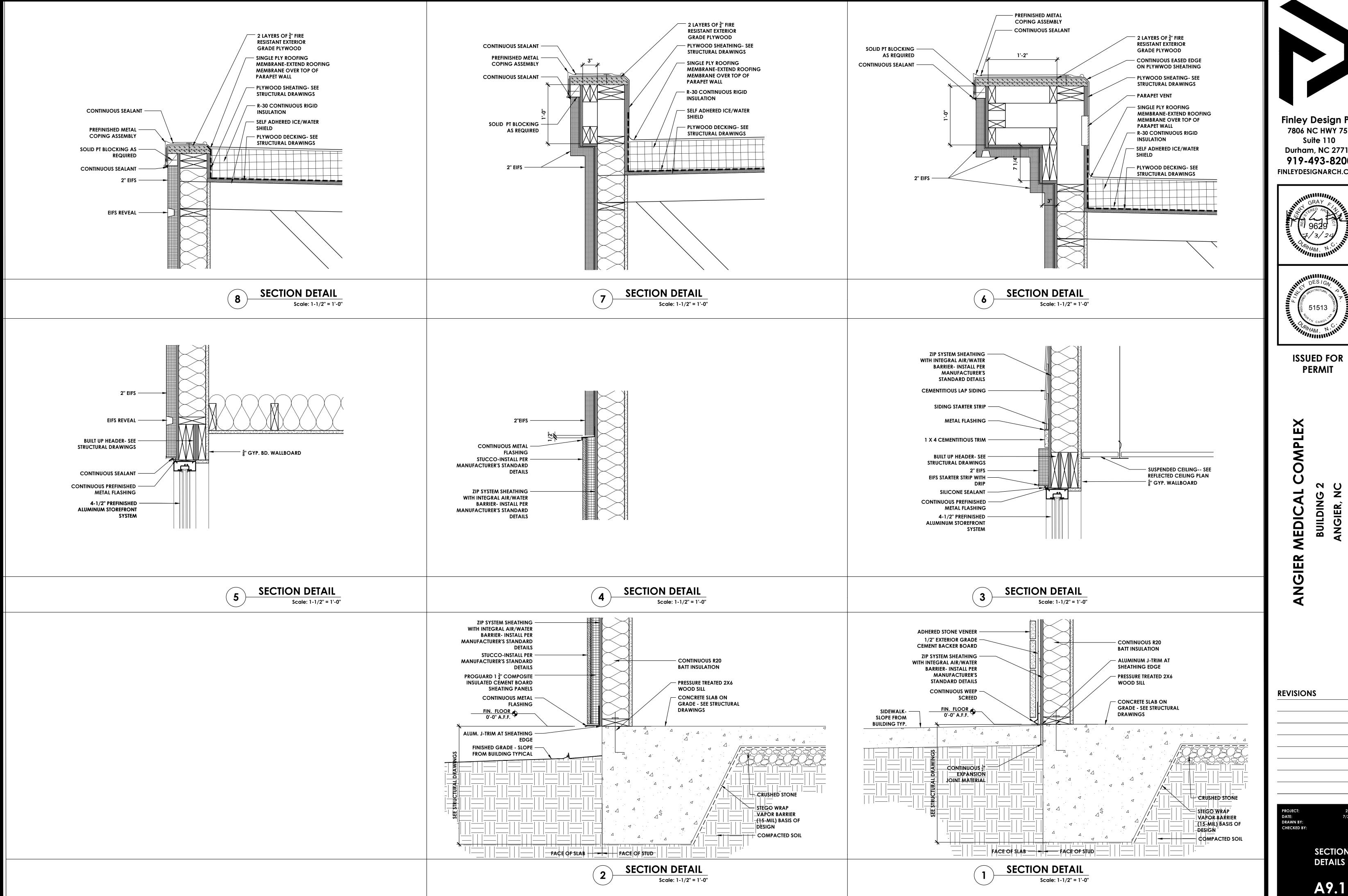
NGIER MEDICAL COMPI BUILDING 2

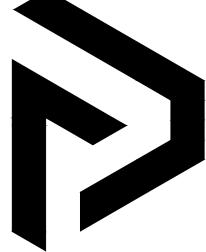
REVISIONS

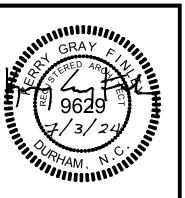
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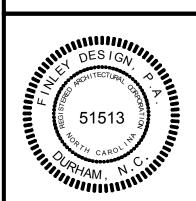
SECTION
DETAILS

A 9.0





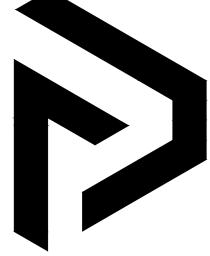




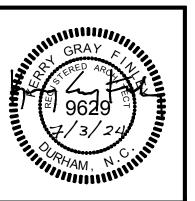
**ISSUED FOR PERMIT** 

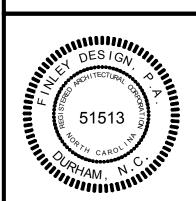
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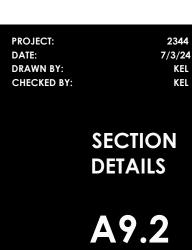
**SECTION DETAILS** 



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|             | DOOR SCHEDULE - EXTERIOR |           |        |      |          |        |       |       |          |        |        |          |          |         |         |
|-------------|--------------------------|-----------|--------|------|----------|--------|-------|-------|----------|--------|--------|----------|----------|---------|---------|
| DOOR<br>NO. | LOCATION                 |           |        | DOO  | R        |        |       | FRAME |          |        | I I    | HARDWARE | 1        | SIGNAGE | REMARKS |
| NO.         | NO.                      | WIDTH     | HEIGHT | TYPE | MATERIAL | FINISH | GLASS | TYPE  | MATERIAL | FINISH | RATING | SET      | HARDWARE |         |         |
| 101         | WAITING                  | (2) 3'-0" | 7'-0"  | Α    | AL       | AS1    |       | -     | -        | -      |        | 13       |          |         |         |
| 128         | ENTRY                    | (2) 3'-0" | 7'-0"  | Α    | AL       | AS1    |       | -     | -        | -      |        | 14       |          |         |         |
| 134         | URGENT HALL              | 3'-0"     | 7'-0"  | В    | AL       | AS1    |       | -     | -        | -      |        | 13       |          |         |         |
|             |                          |           |        |      | •        | •      | •     | •     |          |        | •      | •        | •        | •       |         |

ABBREVIATIONS

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

|      |                     |       |        |      |             | DOO    | R SCHEE | DULE - IN   | TERIOR      |                 |        |             |          |      |                                |
|------|---------------------|-------|--------|------|-------------|--------|---------|-------------|-------------|-----------------|--------|-------------|----------|------|--------------------------------|
| DOOR | LOCATION            | DOOR  |        |      |             | FRAME  |         | ASSEMBLY    | HARDWARE    | \ \(\(-\)\(-\)\ | IGNAGE | AGE REMARKS |          |      |                                |
| NO.  |                     | WIDTH | HEIGHT | TYPE | MATERIAL    | FINISH | GLASS   | TYPE        | MATERIAL    | FINISH          | RATING | SET         | HARDWARE |      |                                |
| 102  | PATIENT RESTROOM    | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 3           |          | IS-1 | "VACANT" OR "OCCUPIED" DISPLAY |
| 104  | STAFF RESTROOM      | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 5           |          | IS-1 | "VACANT" OR "OCCUPIED" DISPLAY |
| 105  | EXAM ROOM           | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 4           |          |      |                                |
| 106  | SUPPLIES            | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 6           |          |      |                                |
| 107  | CHIROPRACTOR OFFICE | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 1           |          |      |                                |
| 108  | EXAM ROOM           | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 4           |          |      |                                |
| 109  | ACCUPUNCTURE OFFICE | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 1           |          |      |                                |
| 111  | CLOSET              | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 8           |          |      |                                |
| 112  | OFFICE MANAGER      | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 1           |          |      |                                |
| 113  | TREATMENT           | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 2           |          |      |                                |
| 114  | LAUNDRY             | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 9           |          |      |                                |
| 115  | STAFF RESTROOM      | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 5           |          | IS-1 | "VACANT" OR "OCCUPIED" DISPLAY |
| 116  | LAB                 | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 1           |          |      |                                |
| 117  | SUPPLIES            | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 6           |          |      |                                |
| 119  | ELEC./TEL.          | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 7           |          |      |                                |
| 120  | FNP OFFICE          | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 1           |          |      |                                |
| 121  | PATIENT RESTROOM    | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 5           |          | IS-1 | "VACANT" OR "OCCUPIED" DISPLA  |
| 122  | EXAM ROOM           | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 4           |          |      |                                |
| 123  | X-RAY               | 3'-0" | 7'-0"  | Α    | SEE DETAILS | WD     |         | SEE DETAILS | SEE DETAILS | PT              |        | 2           |          |      | LEAD-LINED DOOR - SEE DETAILS  |
| 124  | EXAM ROOM           | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 4           |          |      |                                |
| 125  | EXAM ROOM           | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | HM          | PT              |        | 4           |          |      |                                |
| 126  | DOCTOR'S OFFICE     | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | нм          | PT              |        | 1           |          |      |                                |
| 127  | SICK WAITING        | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | нм          | PT              |        | 11          |          |      |                                |
| 129  | WELL WAITING        | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | нм          | PT              |        | 10          |          |      |                                |
| 132  | CLOSET              | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | нм          | PT              |        | 8           |          |      |                                |
| 133  | JAN./WH             | 3'-0" | 7'-0"  | Α    | SCW         | WD     |         | Α           | нм          | PT              |        | 8           |          |      |                                |
| 135  | CHIRO./ACC. HALL    | 3'-0" | 7'-0"  | Α    | scw         | WD     |         | Α           | нм          | PT              |        | 12          |          |      |                                |

# **ABBREVIATIONS**

HCW = HOLLOW CORE WOOD HM = HOLLOW METAL PT = PAINTED (SEE FINISH SCHEDULE) SCW = SOLID CORE WOOD WD = WOOD VENEER

## **DOOR NOTES**

INFORMATION.

- HARDWARE INSTALLER TO GENERATE HARDWARE AND KEYING SCHEDULE TO BE REVIEWED BY OWNER AND ARCHITECT.
- 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
- 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

# SIGNAGE SCHEDULE

IS-1 RESTROOMS: "RESTROOM" WITH ADA COMPLIANT **PICTOGRAM** 

## **SIGNAGE NOTES**

**HARDWARE SET 9 - LAUNDRY** 

HARDWARE SET 10 - WELL WAITING

HARDWARE SET 11 - SICK WAITING

SILENCERS (IVES SR64)

655A)

**HARDWARE SET 12 - TENANT** 

(LCN 4050A RW/PA), 3 SILENCERS (IVES SR64)

HARDWARE SCHEDULE

3 HINGES (IVES 5BB1 4.5 X 4.5), ENTRANCE/OFFICE LOCK

STOP (IVES WS406/407CCV), 3 SILENCERS (IVES SR64)

(SCHLAGE ND50TD SPA), FSIC CORE (SCHLAGE 23-030), WALL

PIVOT SET (IVES 7230F SET), INTERMEDIATE PIVOT (IVES 7237F INT),

ENTRANCE/OFFICE LOCKSET (SCHLAGE ND50TD SPA XN12-307),

PIVOT SET (IVES 7255 SET), PRIVACY LOCK W/ OUTSIDE INDICATOR

FLOOR STOP (IVES FS436), 2 MORTISED GASKETING (ZERO 34BK)

3 HINGES (IVES 5BB1 4.5 X 4.5), PASSAGE SET (SCHLAGE ND10S

PIVOT SET (IVES 7255 SET), PRIVACY LOCK WITH OUTSIDE

299RS), WALL STOP (IVES WS406/407CCV), 2 MORTISED

SPA), WALL STOP (IVES WS406/407CCV), 3 SILENCERS (IVES SR64)

INDICATOR (SCHLAGE ND40S SPA OS-OCC), RESCUE STRIKE (IVES

3 HINGES (IVES 5BB1 4.5 X 4.5), STOREROOM LOCK (SCHLAGE

ND80TD SPA), FSIC CORE (SCHLAGE 23-030), OVERHEAD STOP

3 HINGES (IVES 5BB1 4.5 X 4.5 NRP), STOREROOM LOCK (SCHLAGE ND80TD SPA), FSIC CORE (SCHLAGE 23-030), WALL STOP (IVES

3 HINGES (IVES 5BB1 4.5 X 4.5 NRP), STOREROOM LOCK (SCHLAGE

ND80TD SPA), FSIC CORE (SCHLAGE 23-030), OVERHEAD STOP

(GLYNN-JOHNSON 90S), 3 SILENCERS (IVES SR64)

(SCHLAGE ND40S SPA OS-OCC), RESCUE STRIKE (IVES 299RS),

FSIC CORE (SCHLAGE 23-030), SURFACE CLOSER (LCN 4050A REGULAR ARM MOUNT), WALL STOP (IVES WS406/407CCV), GASKETING (ZERO 488SBK PSA), LEAD-LINED AUTOMATIC DOOR

HARDWARE SET 1 - OFFICE

HARDWARE SET 2 - X-RAY

BOTTOM (NGP 423N)

HARDWARE SET 3 - PATIENT RESTROOM

HARDWARE SET 4 - EXAM ROOM

HARDWARE SET 5 - RESTROOM

HARDWARE SET 6 - STOREROOM

HARDWARE SET 7 - ELEC./TEL.

HARDWARE SET 8 - CLOSET

WS406/407CCV), 3 SILENCERS (IVES SR64)

(GLYNN-JOHNSON 90S), 3 SILENCERS (IVES SR64)

GASKETING (ZERO 34BK)

- SIGNAGE CONTRACTOR TO COORDINATE WITH OWNER ON SIGNAGE NEEDS.
- G.C. TO FURNISH AND INSTALL WALL MOUNTED INJECTION MOLDED ROOM IDENTIFICATION SIGN WITH RAISED TACTILE GRAPHICS AND BRAILLE AND WHITE TEXT ON CONTRASTING BACKGROUND IN COMPLIANCE WITH ICC--ANSI A117.1.
- COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD FINISHES.

3 HINGES (IVES 5BB1 4.5 X 4.5), PASSAGE SET (SCHLAGE ND10S

SPA), WALL STOP (IVES WS406/407CCV), 3 SILENCERS (IVES SR64)

3 HINGES (IVES 5BB1 4.5 X 4.5 NRP), CLASSROOM LOCK (SCHLAGE

3 HINGES (IVES 5BB1 4.5 X 4.5 NRP), CLASSROOM LOCK (SCHLAGE

ND70TD SPA), FSIC CORE (SCHLAGE 23-030), SURFACE CLOSER

COMMUNICATING LOCK (SCHLAGE ND72T SPA XN12-002), FSIC CORE (SCHLAGE 23-030), SURFACE CLOSER (LCN 4050A RW/PA),

CONTINUOUS HINGE (IVES 112HD), PANIC HARDWARE (FALCON

(SCHLAGE 23-030), 90 DEG. OFFSET PULL (IVES 8190EZHD 10" STD),

EXPOSED ABOVE (ZERO 142AA), GASKETING/SEALS (PROVIDED BY STOREFRONT DOOR & FRAME MANUFACTURER), DOOR SWEEP (ZERO 8192AA), ADA COMPLIANT THRESHOLD (ZERO 655A)

CONTINUOUS HINGE (IVES 112HD), PANIC HARDWARE (FALCON

FSIC CORE (SCHLAGE 23-030), 90 DEG. OFFSET PULL (IVES

25-C-C AND 25-C-EO), MORTISE CYLINDER (SCHLAGE 20-061-ICX),

8190EZHD 10" STD), CONCEALED CLOSER (LCN 2031 BUMP WMS), RAIN DRIP IF EXPOSED ABOVE (ZERO 142AA), GASKETING/SEALS (PROVIDED BY STOREFRONT DOOR & FRAME MANUFACTURER), DOOR SWEEP (ZERO 8192AA), ADA COMPLIANT THRESHOLD (ZERO

25-R-NL-OP), RIM CYLINDER (SCHLAGE 20-057 ICX), FSIC CORE

CONCEALED CLOSER (LCN 2031 BUMP WMS), RAIN DRIP IF

(LCN 4050A RW/PA), WALL STOP (IVES WS406/407CCV), 3

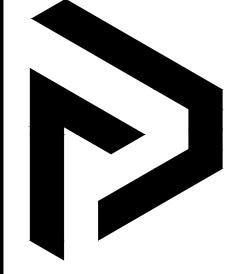
3 HINGES (IVES 5BB1 4.5 X 4.5 NRP), DOUBLE CYLINDER

HARDWARE SET 13 - STOREFRONT ENTRY (SINGLE)

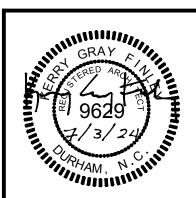
HARDWARE SET 14 - STOREFRONT ENTRY (DOUBLE)

WALL STOP (IVES WS406/407CCV), 3 SILENCERS (IVES SR64)

ND70TD SPA), FSIC CORE (SCHLAGE 23-030), SURFACE CLOSER



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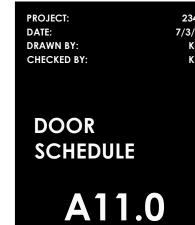




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**REVISIONS** 

NGIER



- 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.
- **4.** INTERIOR STOREFRONT COLOR TO BE AS2.
- 5. INTERIOR ALUMINUM STOREFRONT TO BE 1/4" CLEAR GLASS. TEMPER GLASS WHERE NOTED.

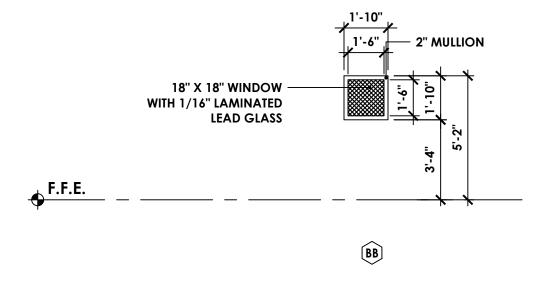
# STOREFRONT LEGEND

TEMPERED SAFETY GLASS

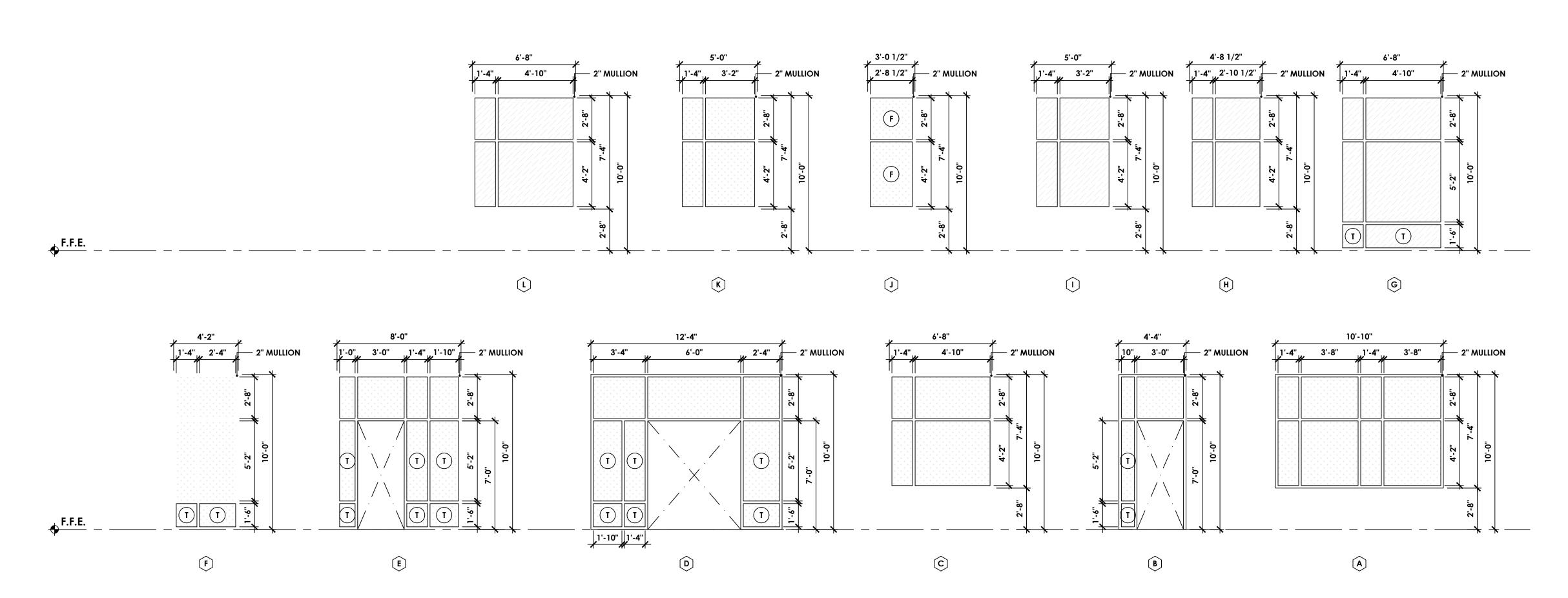
F TRANSLUCENT FILM APPLIED TO INTERIOR FACE OF GLASS

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



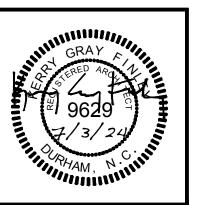




ALUMINUM STOREFRONT ELEVATIONS

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

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BUILDING 2

REVISIONS

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

STOREFRONT
SCHEDULE

NIEYDESIGN/PROJECTS/2344 ANG

STYLE:

SIZE:

NOTES:

STYLE:

SIZE:

NOTES:

STYLE:

SIZE:

NOTES:

STYLE:

SIZE:

SIZE:

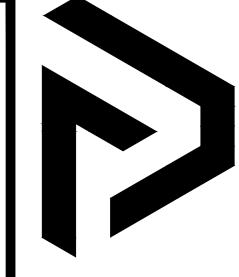
NOTES:

STYLE:

SIZE:

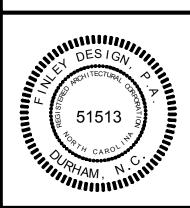
NOTES:

NOTES:



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BUILDING 2 ANGIER, NC MEDIC/ ANGIER

**REVISIONS** 

**EXTERIOR FINISH SCHEDULE** A11.2

STYLE:

SIZE:

STYLE:

STYLE:

TRIM:

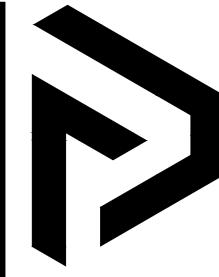
STYLE:

SIZE:

STYLE:

GRID:

| BASIS OF DESIGN HARDWARE SCHEDULE |  |                                     |  |  |  |  |
|-----------------------------------|--|-------------------------------------|--|--|--|--|
| DESCRIPTION                       | MANUFACTURER / NAME / MODEL NO.  | REMARKS                             |  |  |  |  |
| CABINET PULL                      | MISENO / MADISON 3" CENTER TO CENTER HANDLE CABINET PULL / MCPBP3300PC | POLISHED CHROME; INSTALL VERTICALLY |  |  |  |  |
| DRAWER PULL                       | MISENO / MADISON 3" CENTER TO CENTER HANDLE CABINET PULL / MCPBP3300PC | POLISHED CHROME                     |  |  |  |  |
|                                   |  |                                     |  |  |  |  |



**WINDOW** 

FINISH TYPE:

STYLE:

SIZE:

NOTES:

FINISH TYPE:

PRODUCT:

STYLE:

NOTES:

FINISH TYPE:

STYLE:

SIZE:

COLOR:

MATERIAL:

CLASS:

NOTES:

STYLE:

COLOR:

SIZE:

CLASS:

NOTES:

FINISH TYPE:

COLOR:

FINISH:

EDGE:

THICKNESS:

OVERHANG:

NOTES:

MANUFACTURER: WILSONART

COUNTERTOP

FINISH TYPE:

MANUFACTURER:

MANUFACTURER: KOROSEAL

COLOR:

MANUFACTURER:

WT1

ARCHITECT TO SELECT FROM MANUFACTURER'S

INSTALL ON ALL STOREFRONT WINDOWS

FAUX WOOD BLINDS

STANDARD COLORS

EXCEPT RESTROOM

INTERIOR PAINT

SEMIGLOSS

RESTROOMS

WALL COVERING

COHIBA

52-54" ROLL

67651

VINYL

**OFFICES** 

MANUFACTURER: SHERWIN WILLIAMS

PT5

STUDIO TAUPE - SW 7549

WC2

NOT USED

SS1

BASIC/EASED

SEE MILLWORK DETAILS

1" FRONT FOR LOWER CABINETS

CHECK-IN COUNTER; BREAK ROOM COUNTER

ACRYLIC SOLID SURFACE COUNTERTOP

F1

PATIENT RESTROOM STOREFRONT

PT4

PREMIUM CEILING PAINT

WC1

ADHESIVE PRIVACY FILM

SXWF-WM

WHITE MATTE

FIELD MEASURE

INTERIOR FACE

INTERIOR PAINT

**CEILINGS ONLY** 

WALL COVERING

**WOVEN WOOD** 

WOOD VENEER

NOT USED

PL2

CALACATTA ORO 4981

38 FINE VELVET TEXTURE

SEE MILLWORK DETAILS

1" FRONT FOR LOWER CABINETS

BASIC/EASED

COUNTERTOPS

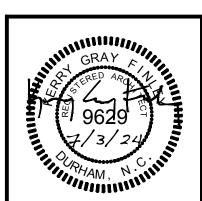
PLASTIC LAMINATE COUNTERTOP

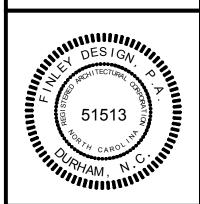
TAK-GA01-04

36" ROLL

**ENTRANCE** 

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**MEDIC** ANGIER

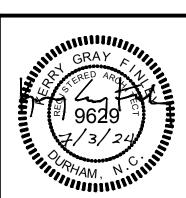
**REVISIONS** 

INTERIOR FINISH **SCHEDULE** 

| MARK  | DESCRIPTION                                | MANUFACTURER / NAME / MODEL  | REMARKS  |
|-------|--|--|--|
| TA-1  | TOILET TISSUE DISPENSER                    | BOBRICK / SURFACE-MOUNTED TOILET TISSUE DISPENSER / B-2888                               | ADA COMPLIANT  |
|       | TOILET                                     | AMERICAN STANDARD / MADERA CHAIR HEIGHT TOP SPUD ELONGATED BOWL / 3043001.020            | WHITE  |
| TA-2  | TOILET SEAT                                | AMERICAN STANDARD / COMMERCIAL HEAVY DUTY OPEN FRONT ELONGATED TOILET SEAT / 5901100.020 | WHITE  |
|       | TOILET FLUSH                               | SELECTRONIC / ULTIMA EXPOSED TOILET FLUSH VALVE, DIAPHRAGM / 6247121.002                 | AUTOMATIC; CHROME OR STAINLESS STEEL FINIS           |
| TA-3  | MIRROR                                     | BOBRICK / WELDED FRAME MIRROR / B-290 1836   | 18" X 36"  |
|       | WALL-HUNG LAVATORY                         | AMERICAN STANDARD / LUCERNE WALL-HUNG BATHROOM SINK 4-IN. CENTERS / 0355041.020          | ADA COMPLIANT; WHITE                                 |
| TA-4  | FAUCET                                     | ZURN / AQUASENSE 4" CENTERSET SENSOR FAUCET / Z6915-XL                                   | ADA COMPLIANT; HARDWIRED; ADD TEMPERATU MIXING VALVE |
|       | PIPE COVER                                 | PROFLO / P TRAP COVER / PF200WH  |  |
| TA-5  | PAPER TOWEL DISPENSER                      | BOBRICK / SURFACE-MOUNTED PAPER TOWEL DISPENSER / B-262                                  | ADA COMPLIANT; TUMBLER LOCK                          |
| TA-6  | TRASH CAN                                  | -  |  |
| TA-7  | ROBE HOOK                                  | BOBRICK / COMMERCIAL SINGLE ROBE & COAT HOOK / B-671                                     | SATIN-FINISH STAINLESS STEEL                         |
| TA-8  | 42" ADA GRAB BAR                           | BOBRICK / STRAIGHT GRAB BAR / B-5806 42  | ADA COMPLIANT  |
| TA-9  | 36" ADA GRAB BAR                           | BOBRICK / STRAIGHT GRAB BAR / B-5806 36  | ADA COMPLIANT  |
| TA-10 | 18" ADA GRAB BAR                           | BOBRICK / STRAIGHT GRAB BAR / B-5806 18  | ADA COMPLIANT  |
| TA-11 | SOAP DISPENSER                             | BOBRICK / WALL-MOUNTED AUTOMATIC FOAM SOAP DISPENSER / B-2013                            | ADA COMPLIANT  |
| TA-12 | WATER COOLER                               | ELKAY / WATER REFILLING STATION, BI-LEVEL REVERSIBLE, W/ FILTER, LIGHT GRAY / LZSTL8WSLK | ADA COMPLIANT  |
| TA-13 | PAPER TOWEL DISPENSER/<br>WASTE RECEPTACLE | BOBRICK / SEMI-RECESSED CONVERTIBLE PAPER TOWEL DISPENSER AND WASTE RECEPTACLE / B-3942  | ADA COMPLIANT  |
| NOTES |  |  |  |
| 1.    | FIXTURES AND ACCESSOR                      | RIES ARE BASIS OF DESIGN. SUBMIT PRODUCT CUT SHEETS TO THE ARCHITECT FO                  | OR APPROVAL.   |
| 2.    | REFERENCE INTERIOR ELEV                    | ATIONS FOR FIXTURE MOUNTING HEIGHTS.   |  |
| 3.    | BLOCKING FOR GRAB BA                       | RS TO EXTEND 2" PAST THE CENTERLINE LENGTH GRAB BARS AND TO BE 5 1/2" V                  | WIDF.  |

|      |         |   |                  | COLOR          |              | MAKE     |
|------|---------|---|------------------|----------------|--------------|----------|
| MARK | TYPE    | APPLICATION / MANUFACTURER / NAME / MODEL NO.   | COLOR            | COLOR<br>TEMP. | SAFETY RATED | DIMMABLE |
| C1   | CEILING | CANOPY / WAC LIGHTING / TUBE 5" CEILING FLUSH MOUNT / FM-W2605-AL                       | BRUSHED ALUMINUM | 3000K          | WET          | NO       |
| W1   | WALL    | WALL UP/DOWN / WAC LIGHTING / CALIBER / WS-W36614-AL                                    | BRUSHED ALUMINUM | 3000K          | WET          | NO       |
| CAM  | CAMERA  | SECURITY CAMERA CONDUIT AND JUNCTION BOX (CAMERA TO BE PROVIDED AND INSTALLED BY OWNER) |                  |                |              |          |

| MARK       | TYPE     | APPLICATION / MANUFACTURER / NAME / MODEL NO.                                       | COLOR            | COLOR<br>TEMP. | SAFETY RATED | MAKE<br>DIMMABLE?                    |
|------------|----------|---|------------------|----------------|--------------|--------------------------------------|
| L1         | LAY-IN   | 2X4 DIRECT-INDIRECT LAY-IN / LITHONIA / AVANTE LED RECESSED DIRECT-INDIRECT / 2AVL4 | STANDARD WHITE   | 3000К          | NOT REQ'D    | IN OFFICES<br>AND EXAM<br>ROOMS ONLY |
| L2         | LAY-IN   | 2X2 DIRECT-INDIRECT LAY-IN / LITHONIA / AVANTE LED RECESSED DIRECT-INDIRECT / 2AVL2 | STANDARD WHITE   | 3000K          | NOT REQ'D    | NO                                   |
| L3         | LAY-IN   | 2X4 DIRECT LAY-IN / LITHONIA / LED RECESSED TROFFER / 2GTL 4                        | STANDARD WHITE   | 3000K          | NOT REQ'D    | NO                                   |
| P1         | PENDANT  | CHECK-IN COUNTER / SHADES OF LIGHT / LUCEREN PENDANT - MILK GLASS / PE23013 AB      | BRASS/MILK GLASS | 3000K          | DRY          | YES                                  |
| R1         | RECESSED | WHITE ROUND / WAC LIGHTING / FQ 4" DOWNLIGHT TRIMMED ROUND / R4FRDT-930-3000K-90-WT | WHITE            | 3000K          | NOT REQ'D    | NO                                   |
| \$1        | SURFACE  | UTILITY / LITHONIA LIGHTING / CLX / CLX L48   | WHITE            | 4000K          | DAMP         | NO                                   |
| <b>\$2</b> | SURFACE  | CEILING DISC / WAC LIGHTING / ROUND LED FLUSH MOUNT 15" / FM-15RN-930-WT            | WHITE            | 3000K          | DAMP         | NO                                   |





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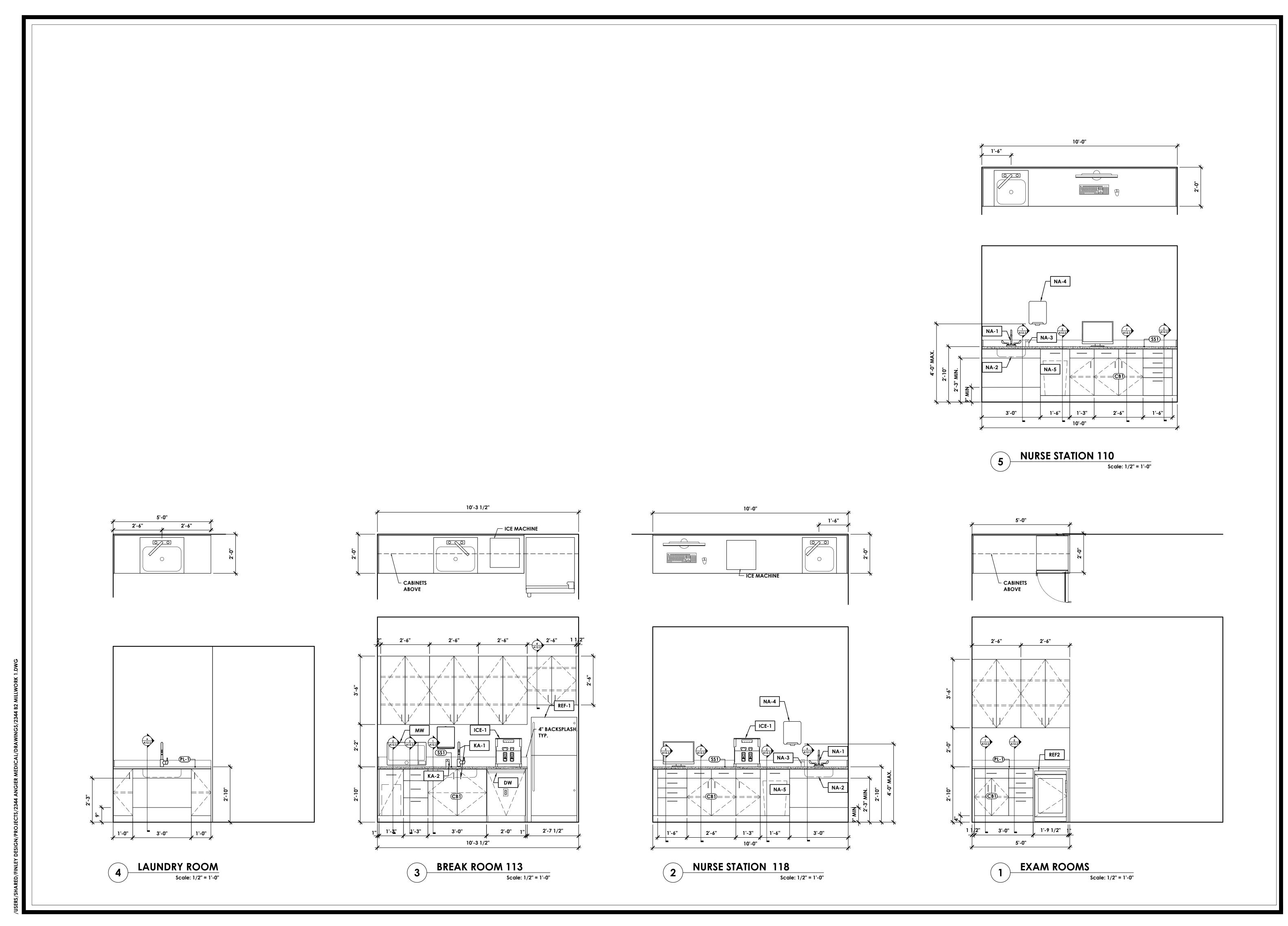
BUILDING 2

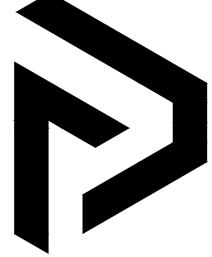
REVISIONS

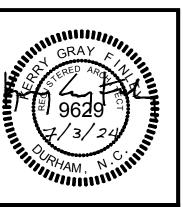
PROJECT: 2344
DATE: 7/3/24
DRAWN BY: KEL
CHECKED BY: KEL

ADDITIONAL
SCHEDULES

RS/KATE/FINLEYDESIGN/PROJECTS/2344 ANGIER MEDICAL/DRAWINGS/2344 B2 SCHEDULES.DWG









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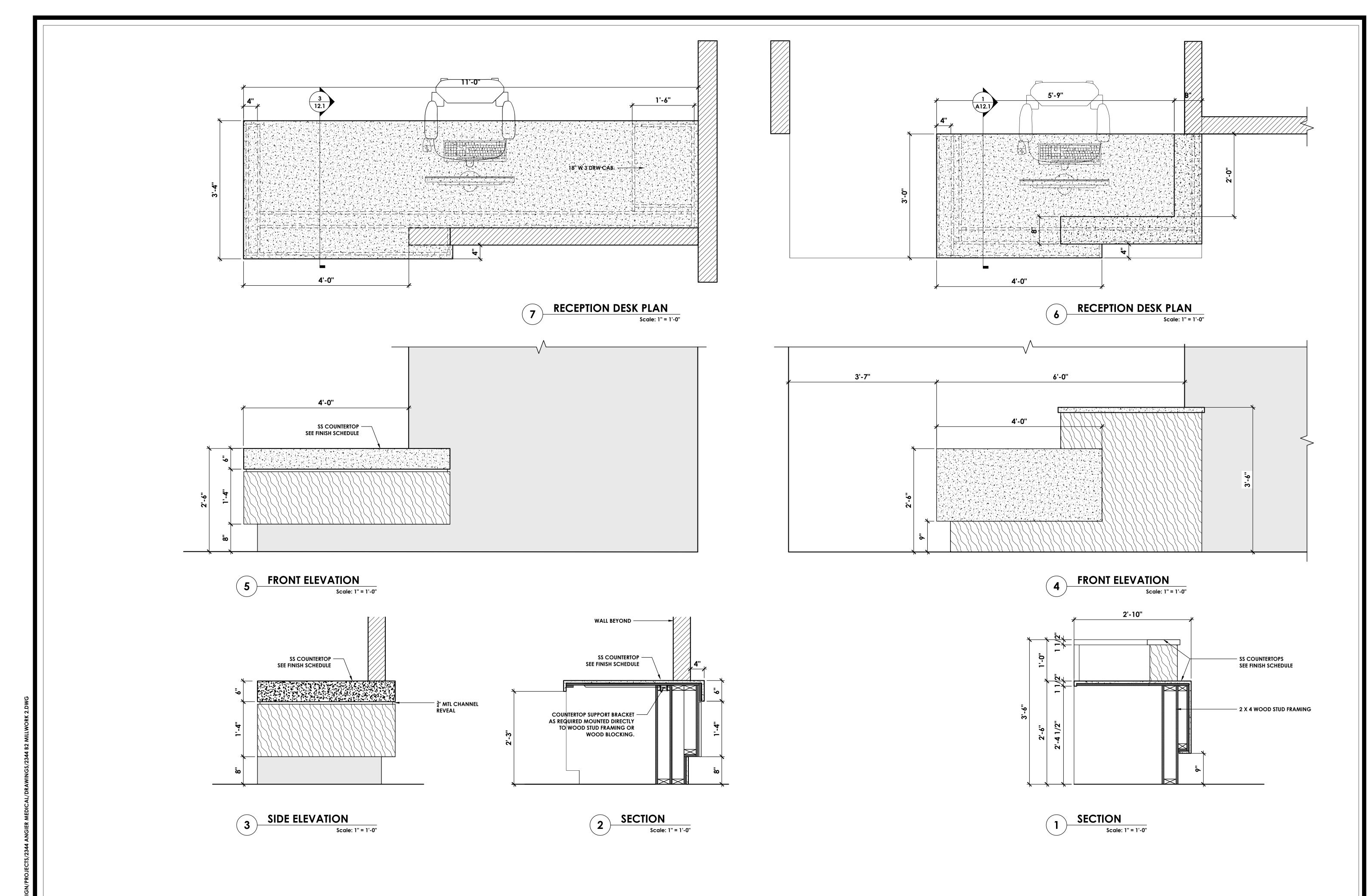
BUILDING 2
ANGIER, NC

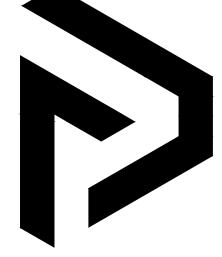
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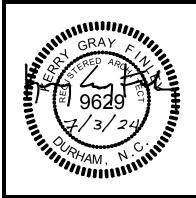
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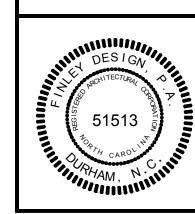
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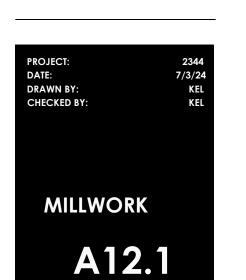


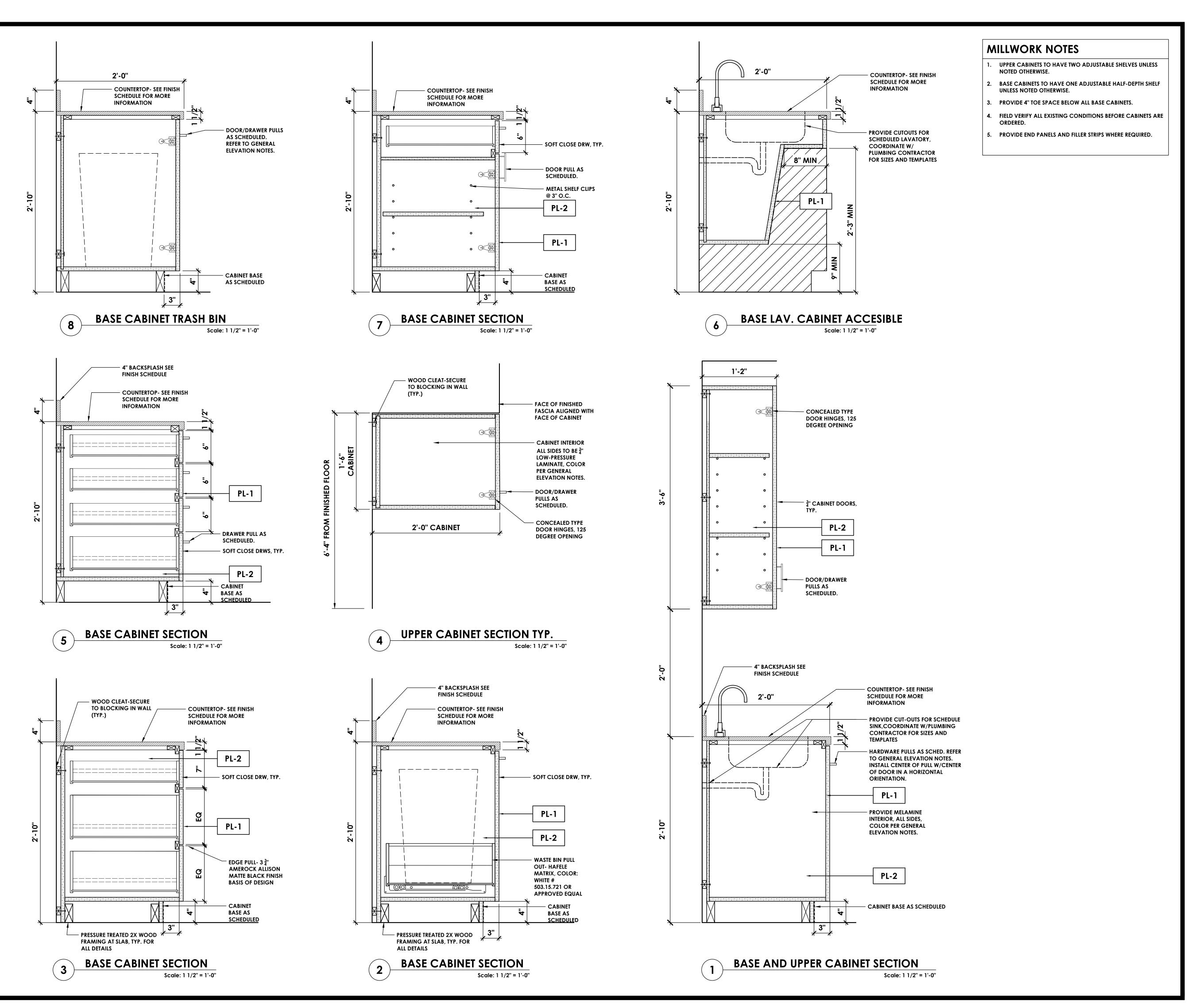
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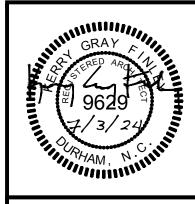
ANGIER MEDICAL
BUILDING

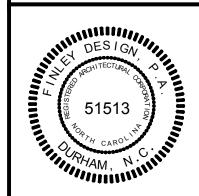
REVISIONS





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



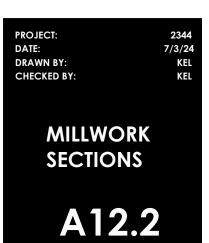


**ISSUED FOR PERMIT** 

**MEDIC** 

**REVISIONS** 

ANGIER



AISC 360-10 AWS D1.1, D1.3 AND D1.8 NDS-15 AND SDPWS-15

 RISK CATEGORY LIVE LOADS:

SNOW EXPOSURE FACTOR

TYPICAL ROOF 20 PSF (REDUCIBLE) SNOW:

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

4. SEISMIC:

**GROUND SNOW** 

**BUILDING 1** BUILDING 2 RISK CATEGORY SEISMIC DESIGN CATEGORY IMPORTANCE FACTOR SOIL CLASS 0.185 g LIGHT FRAME WOOD SEISMIC FORCE RESISTING LIGHT FRAME WOOD WALLS WITH STRUCTURAL WALLS WITH STRUCTURAL WOOD SHEAR PANELS WOOD SHEAR PANELS ALLOWABLE STORY DRIFT **EQUIVALENT LATERAL** EQUIVALENT LATERAL ANALYSIS PROCEDURE FORCE SEISMIC RESPONSE COEFFICIENT, 0.028 DESIGN BASE SHEAR, STRENGTH | V = 16.6 KIPS V = 7.7 KIPS LEVEL

WIND:

V ULT = 116 MPH & V ASD = 90 MPH BASIC WIND SPEED IMPORTANCE FACTOR EXPOSURE CLASS INTERNAL PRESSURE COEFFICIENT, ± 0.18

BUILDING 1 BASE SHEAR, STRENGTH V = 95.2 KIPS, E-W V = 41.1 KIPS, N-S BUILDING 2 BASE SHEAR, STRENGTH 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.

- 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
- 14. PENETRATIONS SHALL BE CAST-IN-PLACE AND SHALL NOT BE PERMITTED EXCEPT AS SHOWN IN THE STRUCTURAL DRAWINGS.

### SUBMITTALS

- 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

### **DELEGATED DESIGN**

- DELEGATED DESIGNS PER SECTION 107.3.4.1 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONALS AND REVIEWED PRIOR TO INSTALLATION.
- 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 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 SUBGRAD 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
- 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. 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**ASTM A1064** Fy = 65 KSIWELDED WIRE REINFORCING 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 #5 BARS OR SMALLER NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND

SLABS, JOISTS AND WALLS WITH #11 BARS OR SMALLER

- BEAMS, COLUMNS, PEDESTALS AND TENSION TIES 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
- 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
- 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:

INTENDED USE

| ۷. | OCHORETE WITHER WILL OCH ORWIT   | 0.                      |
|----|----------------------------------|-------------------------|
|    | 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:                     |
|    |                                  |                         |

| FOOTINGS      | 3000 |
|---------------|------|
| SLAB ON CDADE | 4000 |

|   |                | CLASS |
|---|----------------|-------|
| FOOTINGS                                | 3000           | N/A   |
| SLAB ON GRADE                           | 4000           | N/A   |
| UNLESS OTHERWISE NOTED                  | 4000           | N/A   |
| NORMAL-WEIGHT 28-DAY STRENGTH UNLESS OT | HERWISE NOTED. |       |

STRENGTH (PSI)

**EXPOSURE** 

- 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.

### MAXIMUM JOINT SPACING EACH WAY (FT) THICKNESS (IN)

- 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
- 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
- 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
- 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-
- 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

- 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
- STRUCTURAL STEEL SHALL CONFORM TO ASTM STANDARDS AS NOTED BELOW:

| STRUCTURAL STEEL SHALL CONFORM | TO ASTIVISTANDARDS AS INC | JIED BELOV  |
|--------------------------------|---------------------------|-------------|
| 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 KS |
| 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. 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
- 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

### WOOD

STRUCTURAL SHEATHING

b. SPACING:

EXPOSED ENDS.

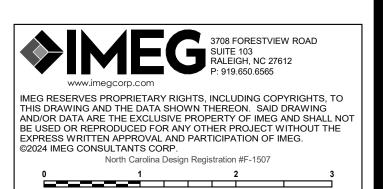
- A. ALL PANELS TO BE PLYWOOD OF MINIMUM 5 PLY CONSTRUCTION. EACH PANEL SHALL BEAR THE QUALITY TRADEMARK STAMP OF THE AMERICAN PLYWOOD ASSOCIATION (APA).
- B. ROOFS:

FABRICATION.

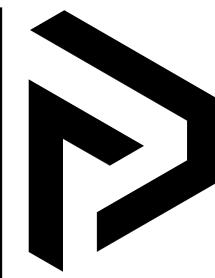
- a. 1/2", "C-D", GROUP 1, SPAN INDEX 32/16, EXPOSURE 1 b. 5/8", "C-D", GROUP 1, SPAN INDEX 40/20, EXPOSURE 1
- c. 3/4", "C-D", GROUP 1, SPAN INDEX 48/24, EXPOSURE 1
- d. 1 1/8", STURD-I-FLOOR, SPAN RATING 48" OC
- ii. PANEL EDGE SUPPORT SHALL BE EITHER TONGUE-AND-GROOVE EDGE, PANEL EDGE CLIP MIDWAY BETWEEN SUPPORTS, OR LUMBER BLOCKING (MIN 2x4 SIZE).
- i. SEE ARCHITECTURAL DRAWINGS FOR TYPICAL WALL SHEATHING, UNLESS

OTHERWISE NOTED. SEE PLANS FOR SHEAR WALL SHEATHING.

- D. MINIMUM NAILING REQUIREMENTS UNLESS OTHERWISE NOTED:
  - a. NAIL SIZE: USE 0.148" x 2 1/4" GUN NAIL



REF. SCALE IN INCHES



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UILDI

REVISIONS

**DRAWN BY:** 

DESIGN CRITERIA & GENERAL

CHECKED BY:

- 3) GLULAM BEAMS AND SHEAR COLLECTORS @ 6" OC
- E. PANEL LAYOUT:
- 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
- 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.

- 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 NO. 2 Fb = 1100 PSI, E = 1,400,000 PSI 2" TO 4" THICK - 6" AND WIDER NO. 1 Fb = 1350 PSI, E = 1,500,000 PSI 5" THICK - 5" AND WIDER
- 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
- NOTCHING OR DRILLING HOLES IN LUMBER FRAMING MEMBERS MUST BE AS APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

### 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 2900 PSI BENDING STRENGTH, Fb 290 PSI SHEAR STRENGTH, FV 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.
- 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-
- J. SIMPSON HANGERS AT PRESSURE TREATED MEMBERS SHALL HAVE ZMAX COATING.
- K. SEE ARCHITECTURAL DETAILS AND SPECIFICATIONS FOR MATERIAL TYPES AND
- PROVIDE STANDARD CAMBERS FOR ALL ROOF BEAMS AND PURLINS UNLESS OTHERWISE NOTED.
- M. SEE MANUFACTURER REQUIREMENTS FOR MINIMUM BEARING LENGTHS.
- 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:
- ii. 8d 2 1/2" x 0.131"
- iii. 10d 3" x 0.148"

i. 6d - 2" x 0.113"

- 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
- H. USE STANDARD CUT WASHERS BETWEEN THE BOLTS HEADS, BOLT NUTS AND LAG SCREW HEADS AND WOOD FRAMING, UNLESS OTHERWISE NOTED.

- 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
- 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

- 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
- 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
- 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

### METAL PLATE CONNECTED WOOD TRUSSES

- 1. DESIGN, FABRICATE, TRANSPORT, AND ERECT METAL PLATE CONNECTED WOOD FRUSSES IN ACCORDANCE WITH LATEST STRUCTURAL BUILDING COMPONENTS ASSOCIATION (SBCA) STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- 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

SEE DESIGN CRITERIA SHEET S0.1 SNOW DRIFT LOADING 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
- TRUSSES (LIVE LOAD ONLY OR TOTAL LOAD).
- 12. TRUSS MANUFACTURER SHALL NOT EXCEED THE ALLOWABLE BEARING STRESS
- 13. TRUSS MANUFACTURER TO CONFIRM CEILING SLOPES AND CONFIGURATION WITH
- 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

### POST-INSTALLED ANCHORS

- 1. ANCHORS SERVING AS THE BASIS OF DESIGN ARE SHOWN ON THE DRAWINGS 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
- 2. MECHANICAL ANCHORS:

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

| ANCHORED INTO | BASIS OF DESIGN   | ACCEPTABLE ALTERNATES                 |  |  |  |  |  |  |
|---------------|-------------------|---------------------------------------|--|--|--|--|--|--|
| GROUTED       | HILTI KWIK HUS-EZ | DEWALT WEDGE-BOLT+ (ESR-1678) SIMPSON |  |  |  |  |  |  |
| MASONRY       | (ESR-3056)        | TITEN HD (ESR-1056)                   |  |  |  |  |  |  |
| UNCRACKED     | HILTI KWIK HUS-EZ | DEWALT POWER SCREW-BOLT+ (ESR-3889)   |  |  |  |  |  |  |
| CONCRETE      | (ESR-3027)        | SIMPSON TITEN HD (ESR-2713)           |  |  |  |  |  |  |
| CRACKED       | HILTI KWIK HUS-EZ | DEWALT POWER SCREW-BOLT+ (ESR-3889)   |  |  |  |  |  |  |
| CONCRETE      | (ESR-3027)        | 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<br>MASONRY  | HILTI HIT-HY 270<br>(ESR-4143) | DEWALT AC 100+ GOLD (ESR-3200) SIMPSON<br>SET-XP (ESR-0265)                             |
| GROUTED<br>MASONRY | HILTI HIT-HY 270<br>(ESR-4143) | DEWALT AC 100+ GOLD (ESR-3200) RED HEAD AT ACRYLIC (ESR-3951) SIMPSON SET-XP (ESR-0265) |
| CONCRETE           | HILTI HIT-HY 200<br>(ESR-3187) | DEWALT AC 200+ (ESR-4027) SIMPSON SET-3G<br>(ESR-4057)                                  |

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)**

| 0           |       |       |       |        | 00.0   | _0.0   |  |
|-------------|-------|-------|-------|--------|--------|--------|--|
| 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  |  |

### | 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

- TABLE PRESSURES ARE FOR THE SQUARE FOOT (SF) TRIBUTARY AREA SHOWN. FOR OTHER TRIBUTARY AREAS, LINEARLY INTERPOLATE BETWEEN VALUES SHOWN ABOVE.
- POSITIVE PRESSURES ACT TOWARD THE BUILDING. NEGATIVE PRESSURES ACT AWAY FROM THE BUILDING.
- SEE DIAGRAMS FOR LOCATION OF ZONES.
- FOR NOMINAL PRESSURES.

DEFLECTION OF SPAN/600 OR 3/8", WHICHEVER IS SMALLER.

- 11. MAXIMUM DIFFERENTIAL DEFLECTION SHALL BE 1/2" MAXIMUM BETWEEN ADJACENT
- PERPENDICULAR TO GRAIN OF THE SUPPORTING MEMBER.
- ARCHITECTURAL DRAWINGS PRIOR TO FABRICATION.
- ELECTRICAL AND PLUMBING ROUTING.

- ACCEPTABLE ALTERNATIVE ANCHORS MAY BE SUPPLIED PROVIDED THE QUANTITY AND INSTRUCTIONS. BELOW SUMMARIZES EACH ANCHOR TYPE USED ON THE PROJECT.
- a. EXPANSION ANCHORS

### b. THREADED SCREW ANCHORS

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

4. CRACKED CONCRETE REPRESENTS ALL CONCRETE FOR PROJECTS LOCATED IN SEISMIC

| 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  |  |  |
|               | WA      | <b>\LL</b> |        |        |        |        |  |  |
| ZONE          | 10 SE   | 100 SE     | 200 SE | 500 SE |        |        |  |  |

### POSITIVE 4 & 5 | 28.0 | 23.9 | 22.6 | 21.0

- PRESSURES SHOWN ARE ULTIMATE PRESSURES. MULTIPLY VALUES BY 0.6

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

STRUCTURAL ABBREVIATION KEY **ABBR: | DESCRIPTION:** ABBR: DESCRIPTION: NUMBER OR POUNDS KIPS PER SQUARE FOOT KSI KIPS PER SQUARE INCH DEGREE LENGTH DIAMETE POUNDS **EXISTING** LIVE LOAD **ANCHOR BOLT** LONG LEG HORIZONTAL ARCHITECT, -URE, -URAL LONG LEG VERTICAL ARCH LONG. BOTTOM OF LONGITUDINAL BEAM FLANGE WIDTH LONG SIDE HORIZONTAL LSH BRACE FRAME LONG SIDE VERTICAL LT WT LIGHTWEIGHT **BOUNDARY NAILING** MAXIMUM MECH MECHANICAL **BETWEEN** MANUFACTURER MANUF BTWN COLD FORM STEEL FRAMING MINIMUM CFSF CENTER OF GRAVITY OF THE TENDON | NIC NOT IN CONTRACT COMPLETE JOINT PENETRATION WELD | NTS NOT TO SCALE CLEAR ON CENTER CENTERLINE OPPOSITE HAND CONCRETE MASONRY UNIT OPENING COLUMN ORIENTED STRAND BOARD COL POUNDS PER CUBIC FOOT CONCRETE PCF CONC PENTHOUSE CONNECTION CONN PJP PARTIAL JOINT PENETRATION WELD CONSTRUCTION CONST CONTINUOUS PLATE CONT COORDINATION POUNDS PER LINEAR FOOT COORD PSF POUNDS PER SQUARE FOOT DIAMETER DEAD LOAD POUNDS PER SQUARE INCH DETAIL POST-TENSION, -ED, -ING DET DRAWING DWG REINFORCING, -MENT, -ED **DOWEL** DWL REQD REQUIRED **EACH FACE** RTU ROOF TOP UNIT **EFFECTIVE** SLIP CRITICAL ELEVATION SCHED | SCHEDULE ELECTRICA SFRS SEISMIC FORCE-RESISTING SYSTEM ELEC SIM **EMBEDMENT** SIMILAR EMBER SNOW LOAD EDGE NAILING EDGE OF DECK S.M.S. SHEET METAL SCREW EOD SPACE(S) EDGE OF SLAB EOS SPECS SPECIFICATION(S) **EQUAL EQUIPMENT** SQUARE EQUIP ETCETERA STIFF STIFFENER **EACH WAY** STEFL EXPANSION SYM SYMMETRICAL EXTERIOR TOP AND BOTTOM EXT CONCRETE COMPRESSIVE STRENGTH T.O. TOP OF FOUNDATION PRE-TENSIONED BOLT FIELD NAILING TEMPERATURE FOOT BEAM FLANGE THICKNESS FOOTING THICK YIELD STRESS TRANSVERSE TYP GAGE OR GAUGE TYPICAL GALVANIZED UON UNLESS OTHERWISE NOTED **GLULAM BEAM** VERT VERTICAL **GIRDER TRUSS** VERIFY IN FIELD HORIZONTAL HORIZ

WWR

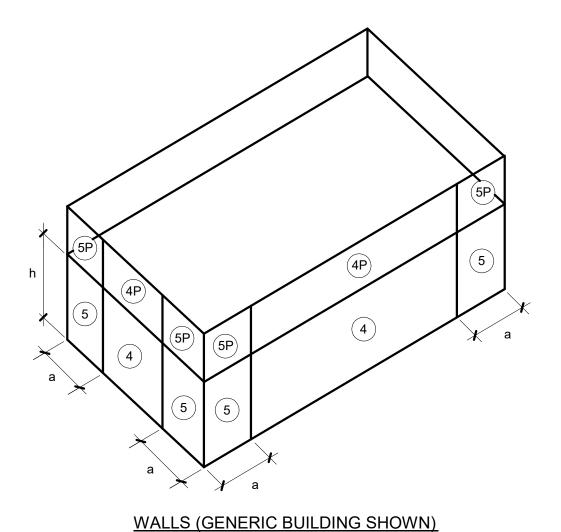
# 0.2h (1')

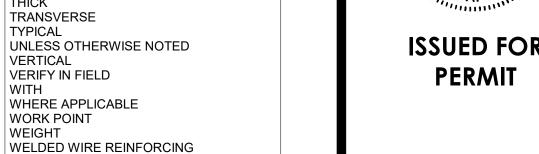
HEADED STUD ANCHOR

| KILOPOUND (1,000 POUNDS)

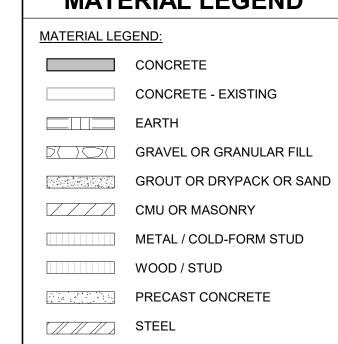
HIGH STRENGTH BOLT

ROOF PLAN (GENERIC BUILDING SHOWN)





### MATERIAL LEGEND



OTHER/SPECIALTY

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North Carolina Design Registration #F-1507

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REF. SCALE IN INCHES

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07/03/2024

REVISIONS

### **TESTING, INSPECTIONS, AND OBSERVATIONS**

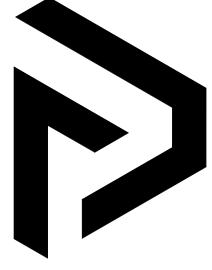
- THE STRUCTURAL ENGINEER DOES NOT PROVIDE INSPECTIONS OF CONSTRUCTION. STRUCTURAL ENGINEER MAY MAKE PERIODIC OBSERVATIONS OF
  THE CONSTRUCTION. SUCH OBSERVATIONS SHALL NOT REPLACE REQUIRED INSPECTIONS BY THE GOVERNING AUTHORITIES OR SERVE AS "SPECIAL
  INSPECTIONS" AS MAY BE REQUIRED BY CHAPTER 17 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<br>REFERENCE                       | IBC<br>REFERENCE                  |
|--|------------|----------|---|-----------------------------------|
| CONCRETE CONSTRUCTION  |            |          |   |                                   |
| 1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT   |            | Х        | ACI 318: CH 20,<br>25.2, 25.3,<br>26.2.1-26.6.3 | 1908.4                            |
| 2. MATERIAL IDENTIFICATION OF REINFORCING (TYPE/GRADE)   |            | X        | AISC 341: TABLE<br>J9.1                         |                                   |
| 3. REINFORCING STEEL HAS NOT BEEN REBENT IN THE FIELD  |            | X        | AISC 341: TABLE<br>J9.1                         |                                   |
| 4. REINFORCING STEEL HAS BEEN TIED AND SUPPORTED AS REQUIRED   |            | X        | AISC 341: TABLE<br>J9.1                         |                                   |
| 5. REINFORCING STEEL CLEARANCES HAVE BEEN PROVIDED   |            | Х        | AISC 341: TABLE<br>J9.1                         |                                   |
| 6. INSPECT ANCHORS CAST IN CONCRETE  |            | X        | ACI 318: 17.8.2                                 |                                   |
| 7. VERIFY USE OF REQUIRED DESIGN MIX   |            | Х        | ACI 318: CH 19,<br>26.4.2, 26.4.4               | 1904.1, 1904.2,<br>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<br>C31, ACI 318: 26.5,<br>26.12 | 1907.10                           |
| 9. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES  | Х          |          | ACI 318: 26.5                                   | 1908.6, 1908.7,<br>1908.8         |
| 10. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES  |            | Х        | ACI 318: 26.5.3-26.5.5                          | 1908.9                            |
| 11. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED   |            | Х        | ACI 318: 26.11.2(b)                             |                                   |

| VERIFICATION AND INSPECTION TASK   |            | QC             | ;    | QA                   | MATERIAL STD<br>REFERENCE |
|--|------------|----------------|------|----------------------|---------------------------|
| STRUCTURAL STEEL - FABRICATION   |            |                |      |                      |                           |
| 1. FABRICATION FACILITY  |            |                |      |                      | Х                         |
| 2. CONNECTION ERECTION AND ASSEMBLY  |            | X              |      | Х                    |                           |
| 3. SINGLE PASS FILLET WELDS 5/16" OR LESS  |            | X              |      | Х                    | X                         |
| VERIFICATION AND INSPECTION TASK   |            | QC             | ;    | QA                   | MATERIAL STD<br>REFERENCE |
| STRUCTURAL STEEL - ERECTION  |            |                |      |                      |                           |
| STRUCTURAL STEEL ERECTION  |            | X              |      | Х                    |                           |
| 2. CONNECTION ERECTION AND ASSEMBLY  |            | Х              |      | Х                    |                           |
| 3. SINGLE PASS FILLET WELDS 5/16" OR LESS  |            | X              |      | Х                    | X                         |
| VERIFICATION AND INSPECTION TASK   | QC         | QA             |      | ERIAL STD<br>FERENCE | AWS D1.1 CLAUSES          |
| STRUCTURAL STEEL PRIOR TO BOLTING - MINIMUM INSPECTION   |            |                |      |                      |                           |
| 1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS  | 0          | Р              | TABI | LE C-N5.6-1          | 2.1, 9.1                  |
| 2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS   | 0          | 0              | TABI | LE 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)                     | 0          | 0              | TABI | LE C-N5.6-1          | 2.3.2, 2.7.2, 9.1         |
| 4. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL   | 0          | 0              | TABI | LE C-N5.6-1          | 4, 8                      |
| 5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS          | 0          | 0              | TABI | LE 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                  | P1         | O <sup>1</sup> | TABI | LE C-N5.6-1          | 3, 9.1, 9.3               |
| 7. PROTECTION STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS   | 0          | 0              | TABI | LE C-N5.6-1          | 2.2, 8, 9.1               |
| VERIFICATION AND INSPECTION TASK   | CONTINUOUS | PERIODIC       |      | ERIAL STD<br>FERENCE |                           |
| WOOD FRAMING   |            |                |      |                      |                           |
| 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<br>REFERENCE |
|--|------------|----------|------------------------|------------------|
| SOILS  |            |          |                        |                  |
| 1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY                    |            | Х        |                        |                  |
| 2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL                                  |            | Х        |                        |                  |
| 3. PERFORM CLASSIFICATIONS AND TESTING OF COMPACTED FILL MATERIAL  |            | Х        |                        |                  |
| 4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL | Х          |          |                        |                  |
| 5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY            |            | Х        |                        |                  |



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BUILDING 2

**REVISIONS** 

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

3708 FORESTVIEW ROAD
SUITE 103
RALEIGH, NC 27612
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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. 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.

AT OPENINGS.

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

| FOOTING SCHEDULE |        |       |        |          |          |         |  |  |  |
|------------------|--------|-------|--------|----------|----------|---------|--|--|--|
| DIMENSIONS       |        |       | REINFO |          |          |         |  |  |  |
| MARK             | Length | Width | DEPTH  | TOP      | воттом   | REMARKS |  |  |  |
| 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 | -       |  |  |  |
|                  |        |       |        |          |          |         |  |  |  |

(4)#5

(3)#5

#5@12

| TURN DOWN & THICKENED SLAB SCHED |       |        |       |        |       |  |  |
|----------------------------------|-------|--------|-------|--------|-------|--|--|
|                                  | DIMEN | ISIONS | REINF |        |       |  |  |
| MARK                             | WIDTH | DEPTH  | LONG  | TRANSV | REMAR |  |  |

2'-0"

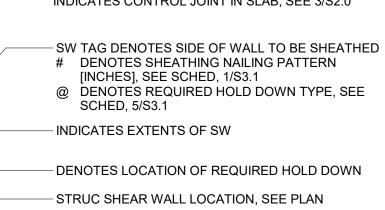
1'-0"

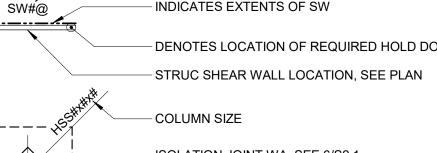
2'-8"

TF3.0 3'-0"

| LEGEND                  |  |
|-------------------------|--|
|                         | DENOTES WOOD WALL, SEE S3.0 SERIES SHEETS        |
| T.O. SLAB EL (SEE PLAN) | DENOTES ELEVATION<br>T.O TOP OF<br>B.O BOTTOM OF |
| <b>₹</b>                | INDICATES CONTROL JOINT IN SLAB, SEE 3/S2.0      |
|                         | — SW TAG DENOTES SIDE OF WALL TO BE SHEATHED     |

| 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 |





### KEYNOTES

ISOLATION JOINT WA, SEE 6/S2.1

- SPREAD FTG MARK AND T.O. FTG ELEVATION SEE FTG SCHED THIS SHEET

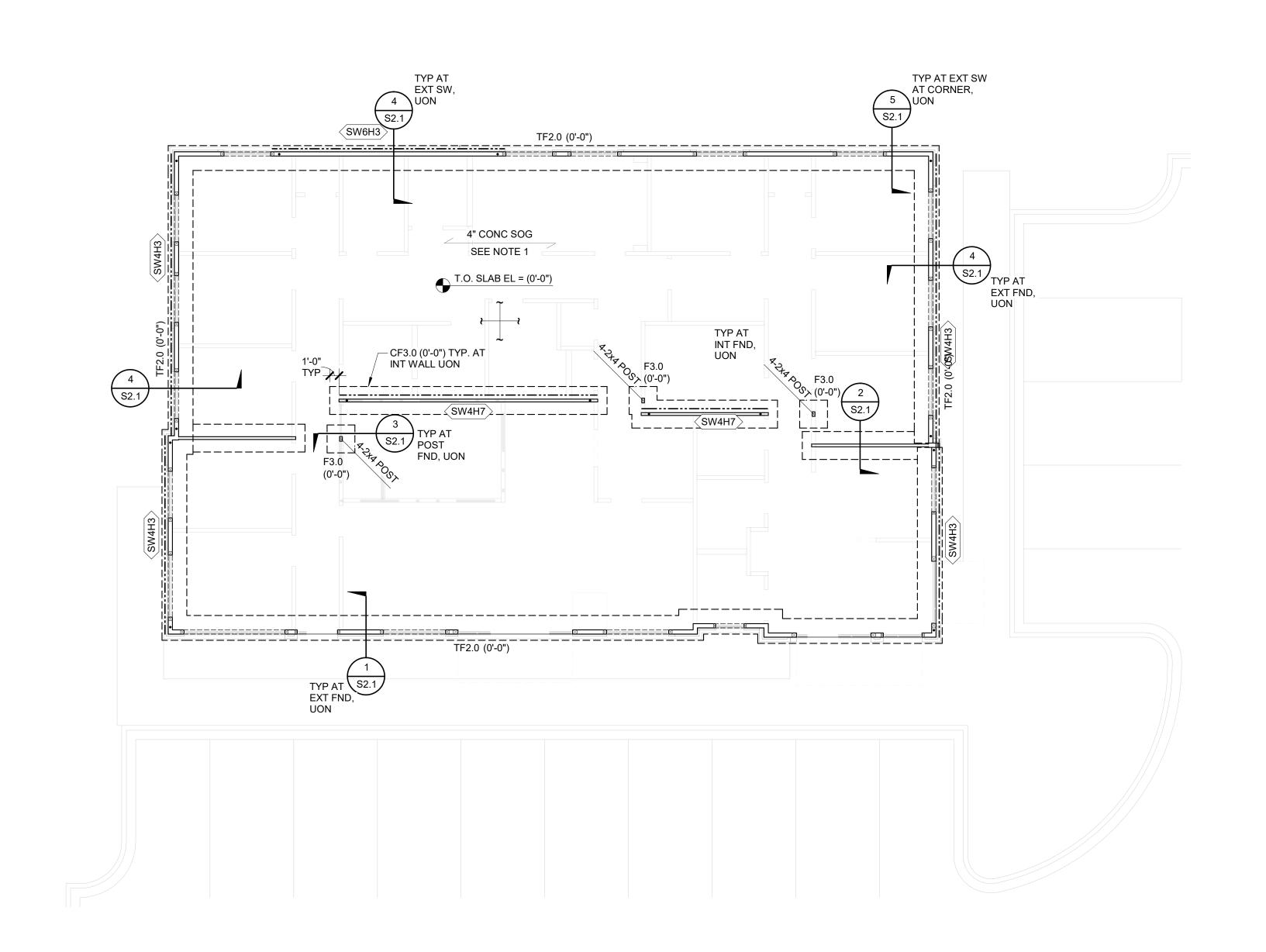
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REQUIREMENTS PRIOR TO FOUNDATION CONSTRUCTION. 2. SEE PLAN FOR ELEVATIONS ARE BASED ON <u>GROUND FLOOR</u> T/SLAB DATUM EL 0'-0". ELEVATIONS SHOWN SHALL BE VERIFIED WITH CIVIL/ARCH PRIOR TO CONSTRUCTION.

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"),

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** DENOTES WOOD HEADER TYPE. FOR HEADERS NOT CALLED OUT ON PLAN, SEE HEADER SCHEDULES, 4/S3.0. COORDINATE ALL WINDOW & H#

(3)2x12

DOOR OPENING SIZES & LOCATIONS w/ ARCH. DENOTES WOOD BEAM TYPE. FOR BUILT-UP BEAM ASSEMBLY, SEE 6/S3.0.

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

GT: GIRDER TRUSS

AT WALLS BELOW WALL BELOW, SEE FRAMING PLANS ROOF TRUSS TYPE DESIGNATION, BY SUPPLIER:

INDICATES A ROOF TRUSS w/ 'GIRDER' USAGE INDICATES A ROOF TRUSS w/ 'JOIST' USAGE

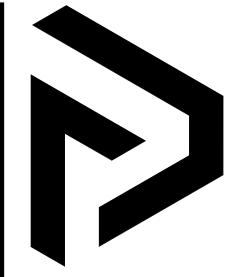
PWRT: PREMANUF WOOD ROOF TRUSS

**### KEYNOTES** 

D04 DESIGN TRUSSES AT PARAPET w/o KICKER w/ 50 PLF UNFACTORED DEAD TYP.

D05 DESIGN TRUSSES AT PARAPET AND KICKER w/ 110 PLF DEAD AND 1000 PLF WIND

G10 PREFABRICATED CANOPY.



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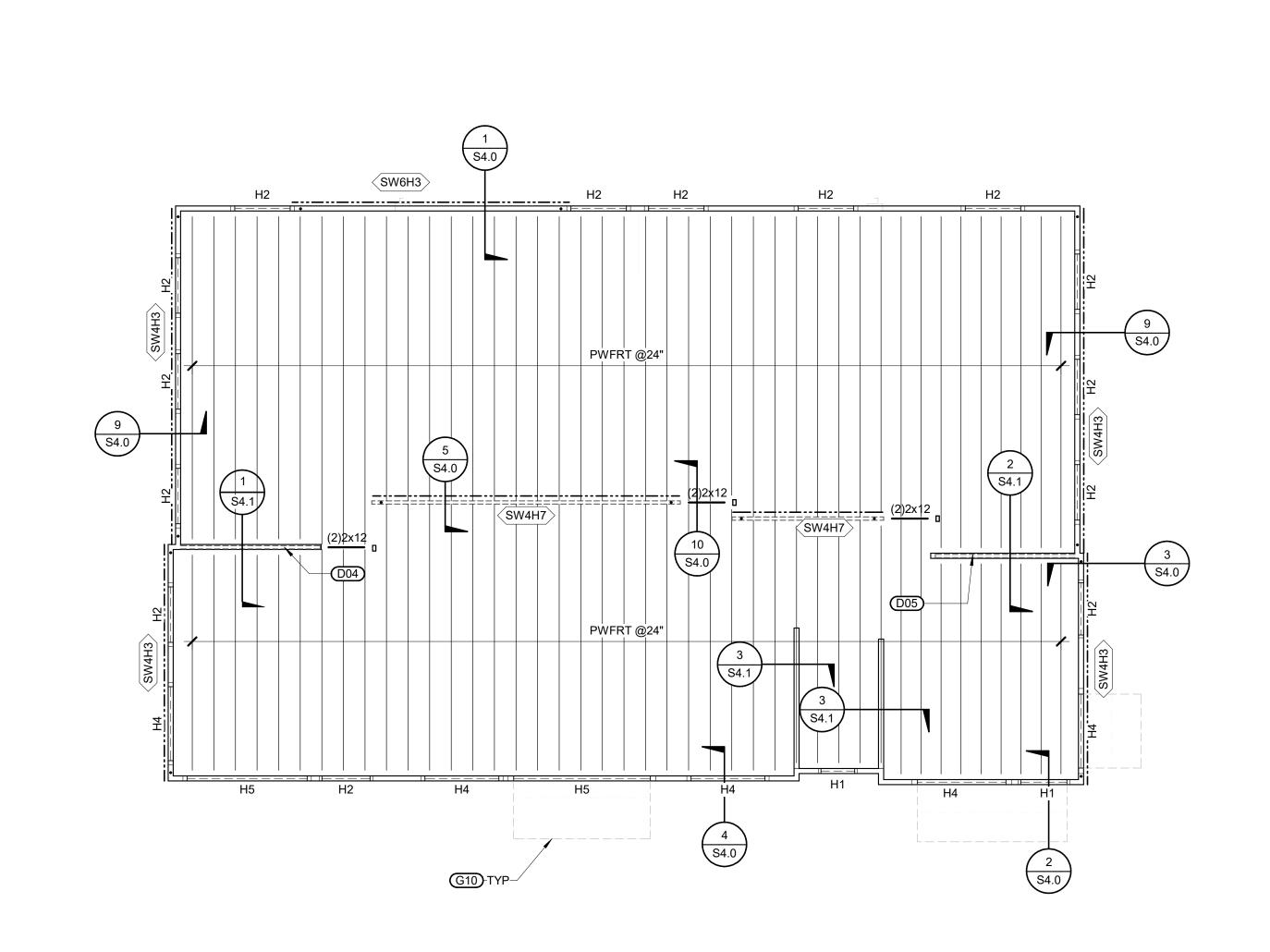
**REVISIONS** 

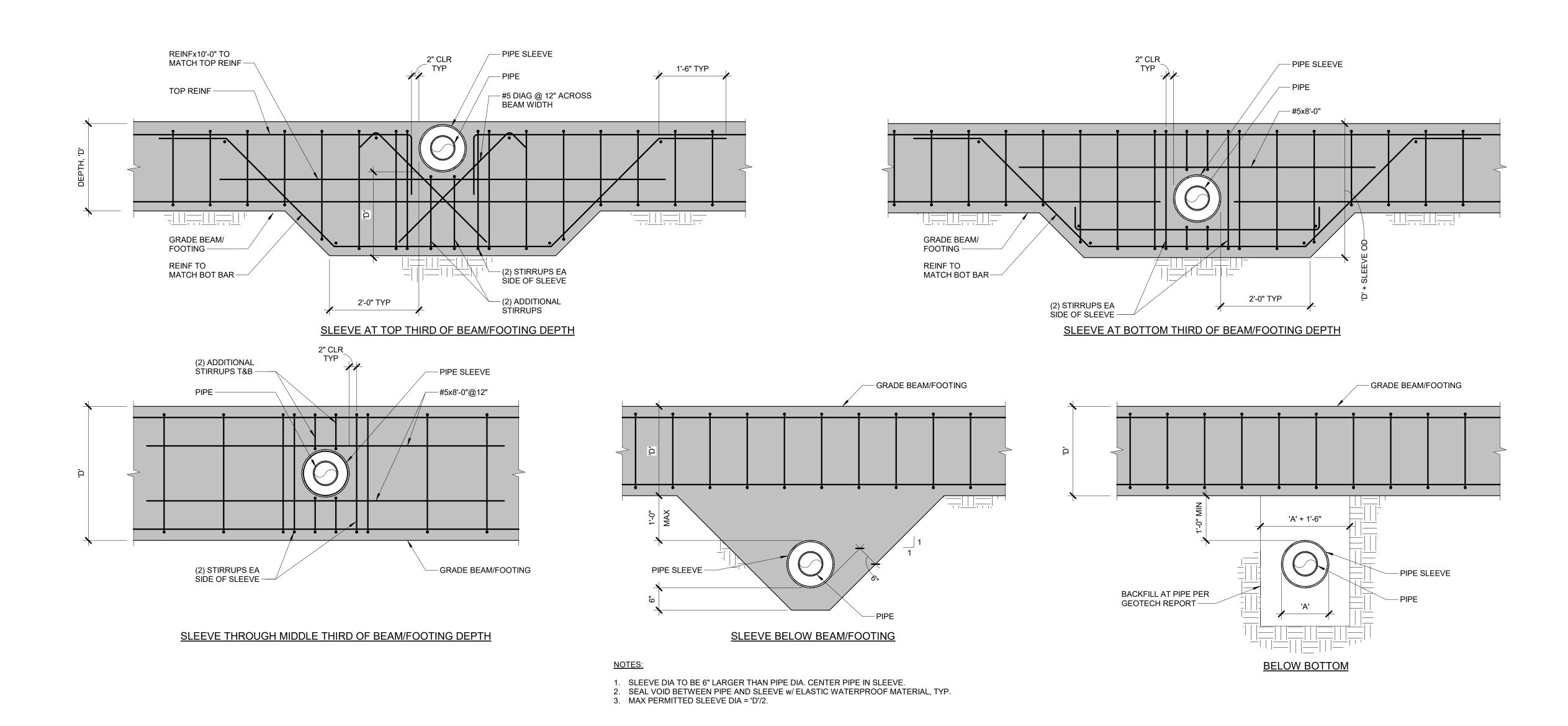
**ROOF** FRAMING PLAN - BUILDING 2 \$1.2

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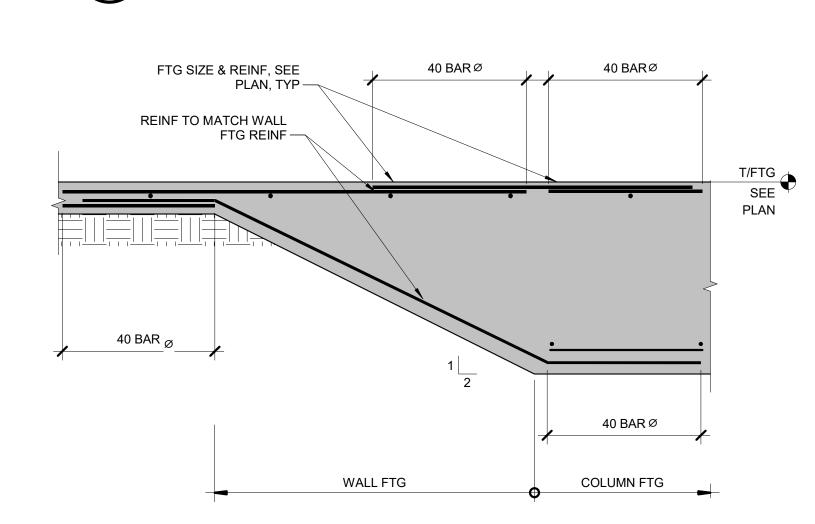
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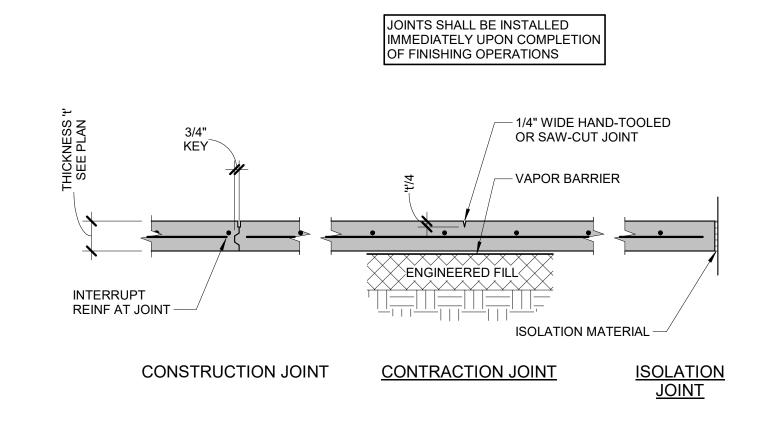
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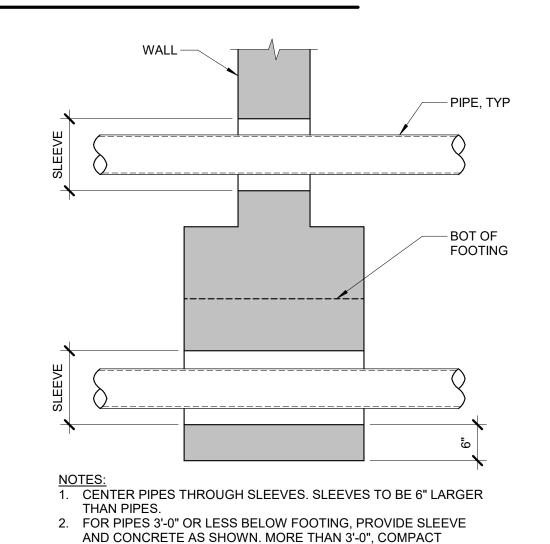


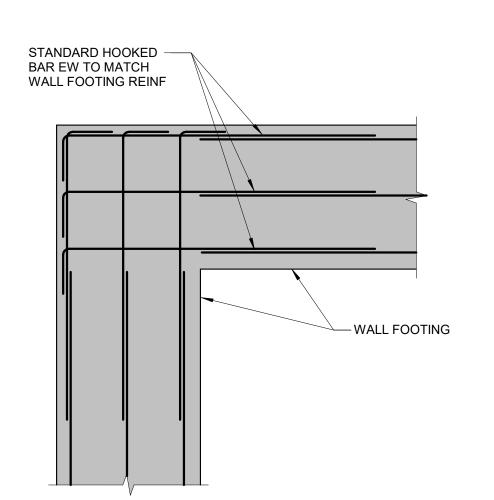












WALL FTG TO COLUMN FTG
NO SCALE

SLAB ON GRADE

CONSTRUCTION

NO SCALE

PIPE THROUGH WALL /
FOOTING
NO SCALE

ENGINEER OR USE STEPPED FOOTING BELOW PIPE.

BACKFILL OVER PIPE TO 90% AS APPROVED BY GEOTECHNICAL

FOOTING

INTERSECTION

NO SCALE



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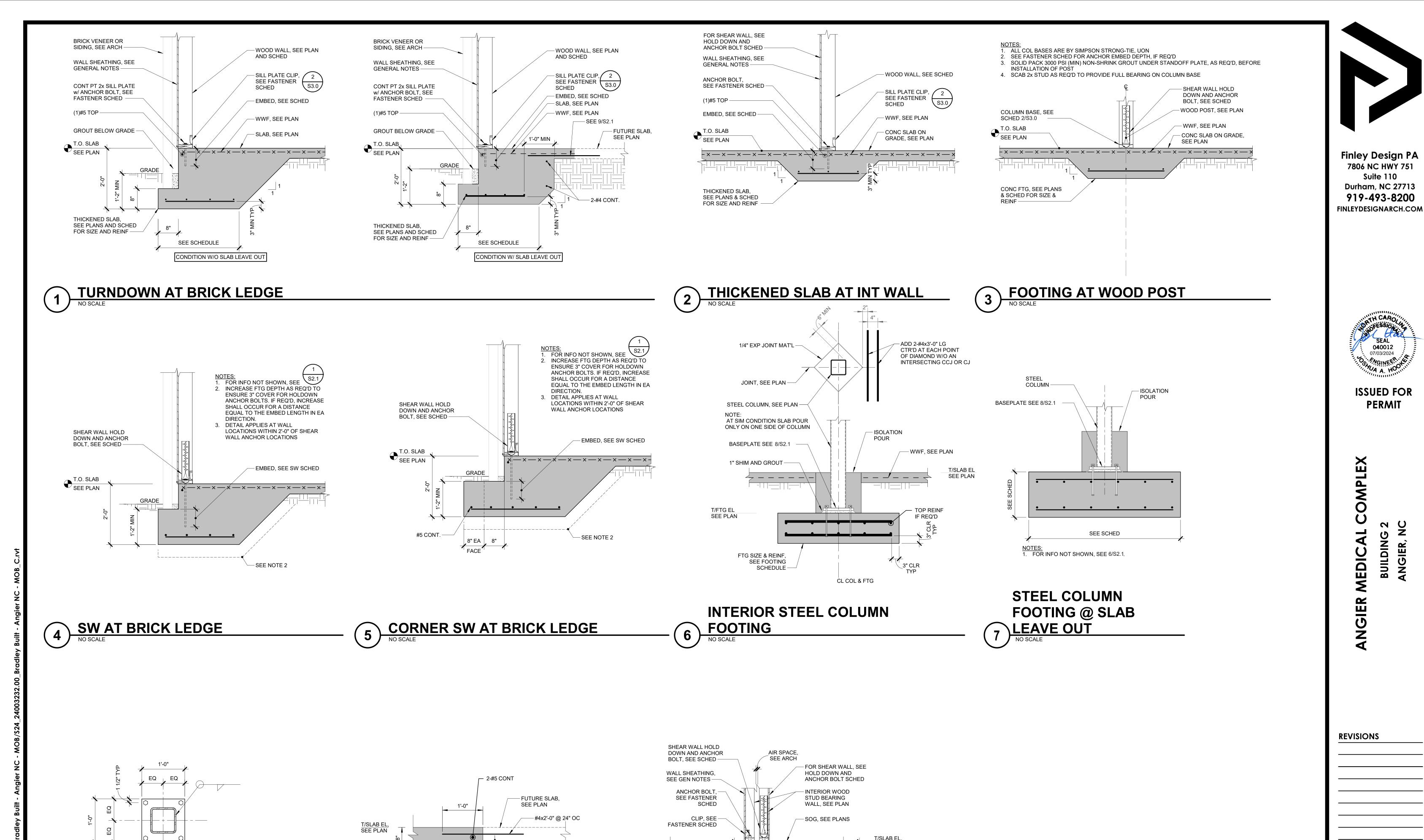
NEDICAL COMPL
BUILDING 2
ANGIER, NC

REVISIONS

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

CONCRETE
FOUNDATION
DETAILS

\$200



THICKENED SLAB, SEE PLANS AND SCHED

STUD WALL
NO SCALE

THICKENED SLAB @ DOUBLE

- 3/4" BASE PLATE WITH (4)1/2"Ø HEAVY HEX HEAD ANCHOR

RODS w/ 9" EMBED

**BASE PLATE** 

SECTION NO SCALE

SEE PLAN

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**FOUNDATION S2.1** 

**PERMIT** 

BUILDING

PROJECT: DATE: DRAWN BY: CHECKED BY: **SECTIONS & DETAILS** 

| NO | T | Έ | Ξ | S | : |  |  |
|----|---|---|---|---|---|--|--|
|    |   |   |   |   |   |  |  |
|    |   |   |   |   |   |  |  |

ALL NAILS TO BE COMMON WIRE NAILS EXCEPT WHERE OTHERWISE STATED.

. SPF DENOTES SPRUCE-PINE-FIR (SYP #2 MAY BE SUBSTITUTED)

| TUD SCHEDUL          | E                    |
|----------------------|----------------------|
| EXTERIOR             | INTERIOR             |
| (2)2x6@16" SPF #1/#2 | (2)2x6@16" SPF #1/#2 |
| · · · ·              |                      |
|                      |                      |

2. INTERIOR NON LOAD BEARING STUDS SHALL BE 2x4@24" OR 2x6 @ 24" STUD GRADE SPF.

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

3. WHERE (2)2x6 STUDS ARE REQUIRED, THIS DOUBLE STUD COMBINATION SHALL BE

S3.0

| HEADER & OPENING FRAMING SCHEDULE |                   |                 |               |       |               |             |         |  |  |
|-----------------------------------|-------------------|-----------------|---------------|-------|---------------|-------------|---------|--|--|
|                                   |                   | POST VALUES     |               |       |               |             |         |  |  |
| MARK                              | MEMBER SIZE       | POST SIZE       | #<br>TRIMMERS | #KING | CLEAR<br>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    | _       |  |  |

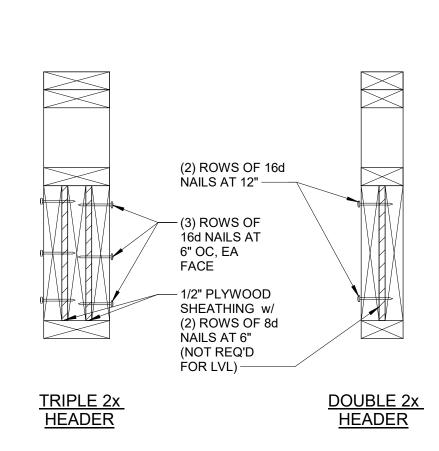
### <u>NOTES</u>

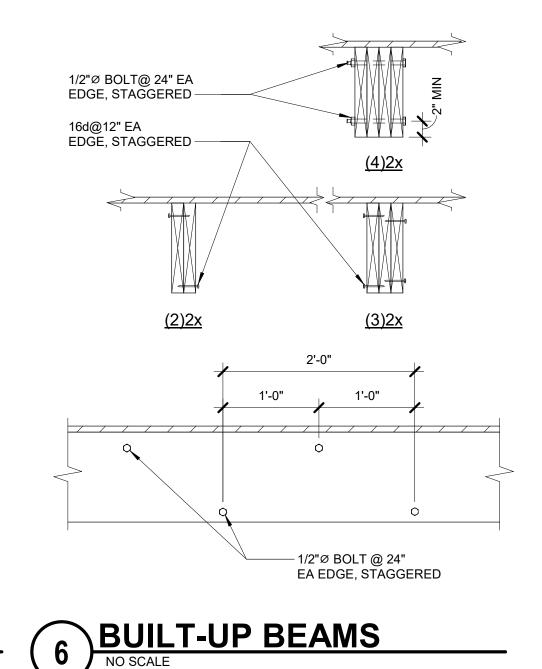
- 1. ALL HEADERS AND BEAMS SHALL BE FASTENED TOGETHER PER DETAIL 5/S3.0 AND 6/S3.0
- 2. BEAMS MARKED WITH \* CAN SUBSTITUTE A (3)1.75"x7.25"LVL.
- 3. SPF DENOTES SPRUCE-PINE FIR (SYP #2 MAY BE SUBSTITUTED) HEADERS IN NON LOAD BEARING WALLS ARE TO BE (2) 2x6 OR (3) 2x4

# 3 STUD SCHEDULE

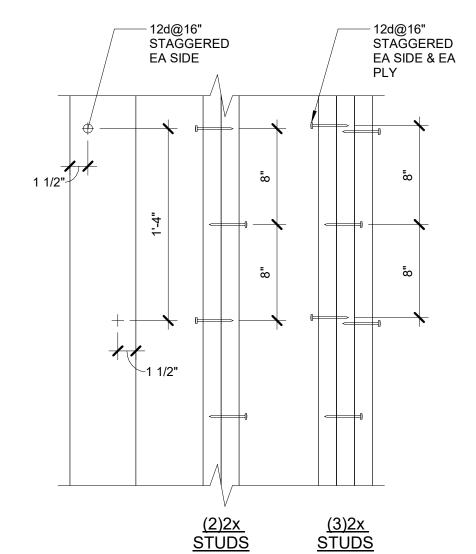
NAILED TOGETHER AS PER DETAIL 7



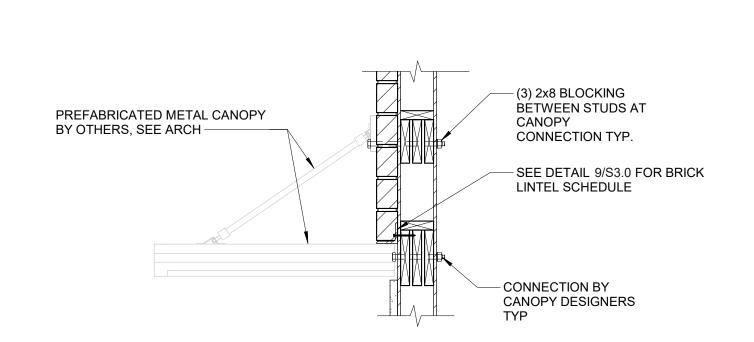




# NAIL FASTENING SCHEDULE NO SCALE



**BUILT-UP** COLUMNS/STUDS



**FASTENER SCHEDULE** 

<u>UPLIFT</u>

<455#

<600#

<1200#

>1200#

2. IN ADDITION TO SCHEDULED HOLD DOWN, PROVIDE (3)10d TOE NAILS.

3. EMBEDMENT OF ANCHOR BOLTS SHALL BE AS FOLLOWS:

EMBEDDED ANCHOR IN TOP OF CMU WALL

EMBEDDED ANCHOR @ INTERIOR EMBEDDED ANCHOR @ EDGE

EPOXIED THREADED ROD

**EXPANSION ANCHOR** 

STUD AND STUD TO SLAB.

SCREWS MAY BE SUBSTITUTED.

FASTENER (1)

SEE DETAIL \$3.3

(1)H2.5A

(2)H2.5A

SPH@32" (7)

SPH@32" (7)

(2)CS20

SELECTED TO PROVIDE THE UPLIFT RESISTANCE SHOWN ON THE ROOF TRUSS SHOP DRAWINGS.

ATTACHED TO THE EMBEDDED END. J-BOLTS GREATER THAN 1/2"Ø ARE NOT PERMITTED

6. SEE SHEAR WALL SCHEDULE FOR SILL PLATE ATTACHMENT AT SHEAR WALLS.

DTT2

1/2"Ø ANCHOR BOLT w/ 2x2x1/8"

PL WASHER OR "MASA" @ 32"

I. 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

--SEE GENERAL NOTES--

--SEE GENERAL NOTES--

ALL OTHERS SHALL BE 2 1/2" MIN EMBEDDED ANCHOR BOLTS SHALL BE HEADED OR BE THREADED RODS WITH A NUT

EPOXIED INTO THE SLAB MAY BE SUBSTITUTED. AT BOTH INTERIOR AND EXTERIOR WALLS, SIMPSON TITEN THD50800H

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

4. WHEN TRUSS UPLIFT EXCEEDS 400 LBS, PROVIDE WALL CLIPS AND STRAPPING AT 16", OR LTT20B FROM TRUSS TO

5. AT INTERIOR WALLS, 1/2"Ø EXPANSION BOLTS MAY BE SUBSTITUTED. AT EXTERIOR WALLS, 1/2"Ø THREADED RODS

EDGE DISTANCE FOR SILL PLATE BOLTS SHALL BE A MIN OF 1/2 OF SILL WIDTH. EDGE DISTANCE FOR HOLDDOWNS AND

**LOCATION** 

ROOF TRUSS (2)

TOP PLATE CLIP AT EXT

WALLS & INT WALLS w/

**GROUND FLOOR SILL PLATE** 

SILL PLATE TO FOUNDATION

SLAB OR CMU WALLS (5) (6)

POST TO FOUNDATION

CLIP AT EXT & INT WALLS

w/ ROOF BEARING (4)

AT BALCONIES:

BEAM TO POST

ROOF BEARING (4)

**PREFABRICATED METAL CANOPY BY** 

### 5 MULTI-PLY HEADERS NO SCALE PASTENER SCHEDULE NO SCALE

CONNECTION

PLATE/FDN

(5)8d

TRUSS/RAFTER

OR STUD POST

(12)10dx1 1/2

(12)10dx1 1/2

(9)8d EA END

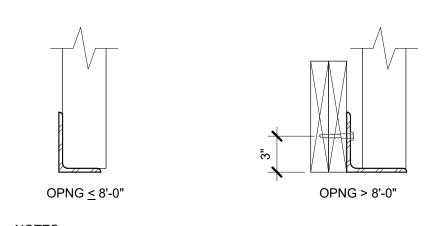
<u>7/8"Ø</u>

(8)SDS 1/4"x2 1/2" 1/2"Ø (3)

(5)8d

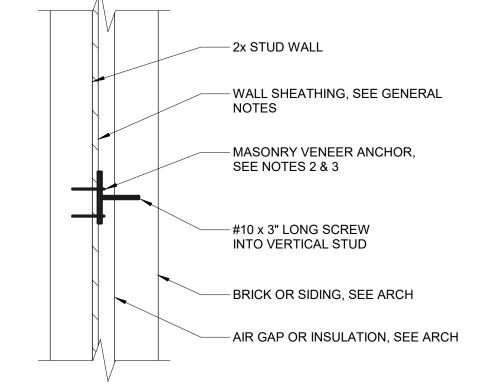
(5)8d

| 4" BRICK LINTEL SCHEDULE |  |  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|--|
| OPENING                  | LINTEL   |  |  |  |  |  |  |
| < 6'-0"                  | L3 1/2x3 1/2x5/16                              |  |  |  |  |  |  |
| <u>&lt;</u> 8'-0"        | L5x3 1/2x5/16 LLV                              |  |  |  |  |  |  |
| > 8'-0"                  | L5x5x5/16 w/ 1/2"ø LAG SCREW INTO HEADER @ 24" |  |  |  |  |  |  |



- PROVIDE 4" MIN BEARING EA SIDE OF OPENING 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.

### **BRICK LINTEL** SCHEDULE



- NOTES:

  1. COORD INFORMATION SHOWN W/ ARCH.

  EVATIONS W/ AIR GAP 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.





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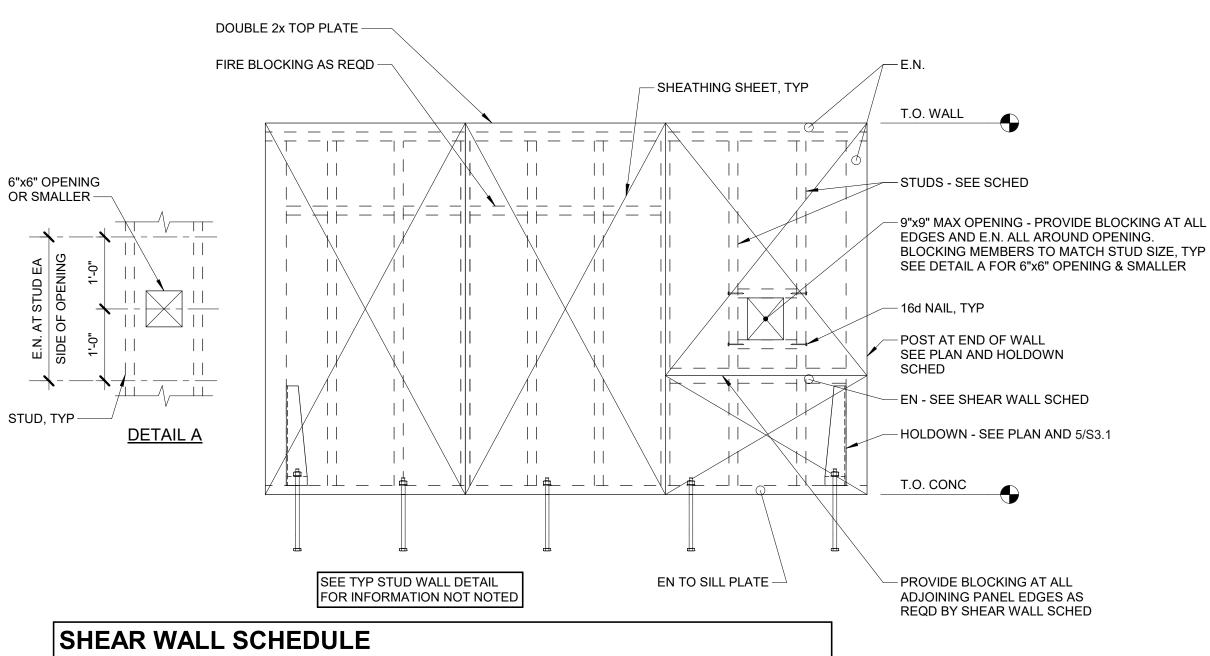
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**REVISIONS** 

**DRAWN BY: CHECKED BY:** WOOD **SCHEDULES & DETAILS** 

2. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16".

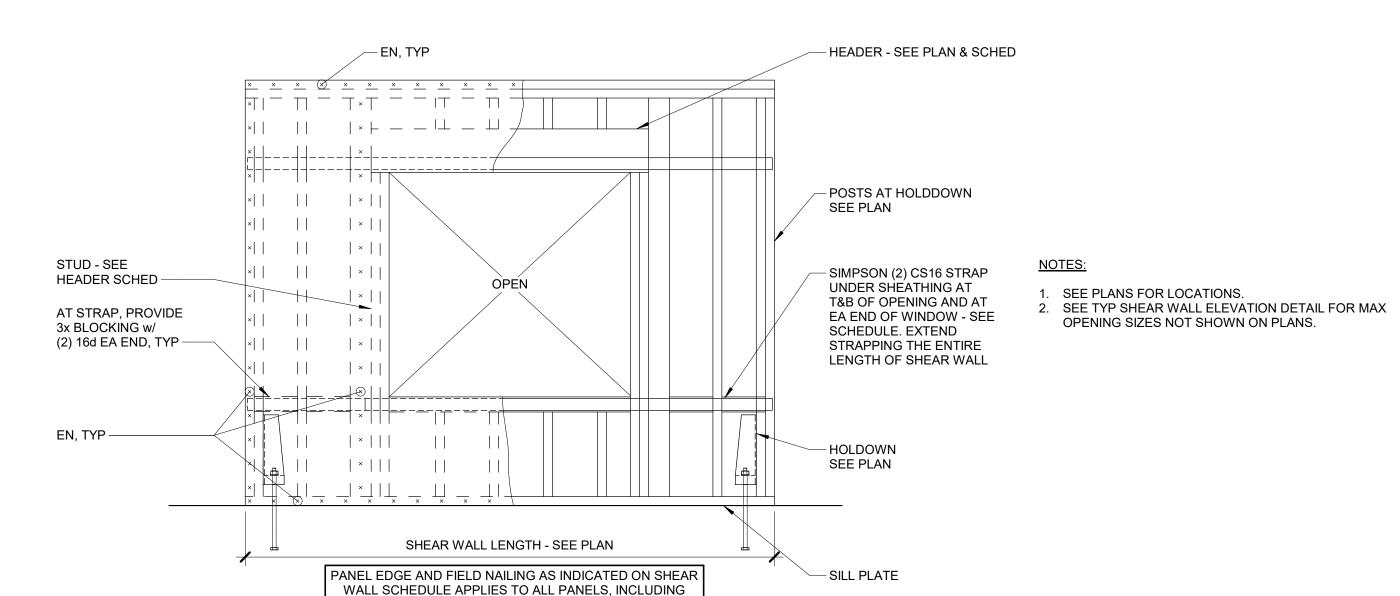
**S3.0** 



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

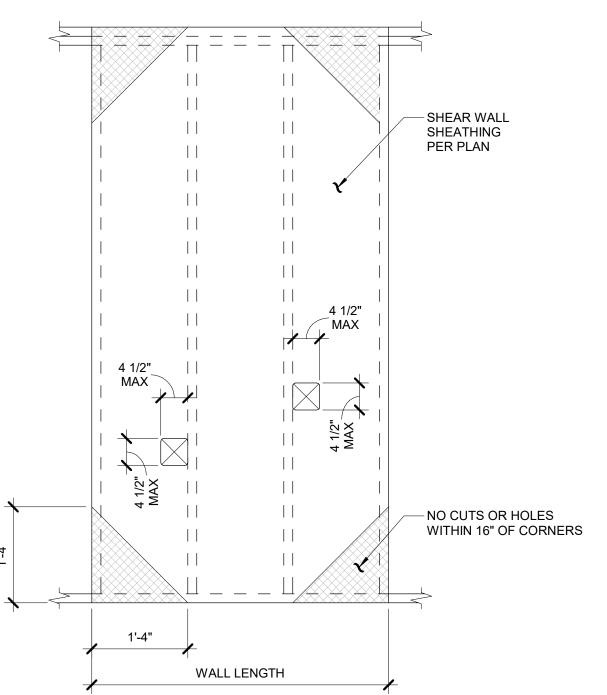
- APA RATED, STRUCTURAL 1, 15/32" MIN, 5-PLY, EXPOSURE 1 OR APPROVED OSB.
- ALL NAILS SHALL BE COMMON OR GALVANIZED BOX NAILS WITH 1 1/2" MIN PENETRATION INTO FRAMING. FOR TRANSFER NAILING, PREDRILL HOLES FOR NAILS WHERE NAILS TEND TO SPLIT WOOD.
- PROVIDE 3x STUDS OR 3x BLOCKING AT ADJOINING PANEL EDGES,
- 5. SEE GENERAL NOTES FOR PLYWOOD INFORMATION.
- PROVIDE BLOCKING IN SHEAR WALL PER TYP SHEAR WALL ELEVATION DETAIL. STAGGER VERTICAL JOINTS IN OSB SHEETS WHERE SHEAR WALLS ARE SHEATHED ON BOTH SIDES.
- 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.
- 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"
- 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
- 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.

## WOOD SHEAR WALL SCHEDULE & ELEVATION



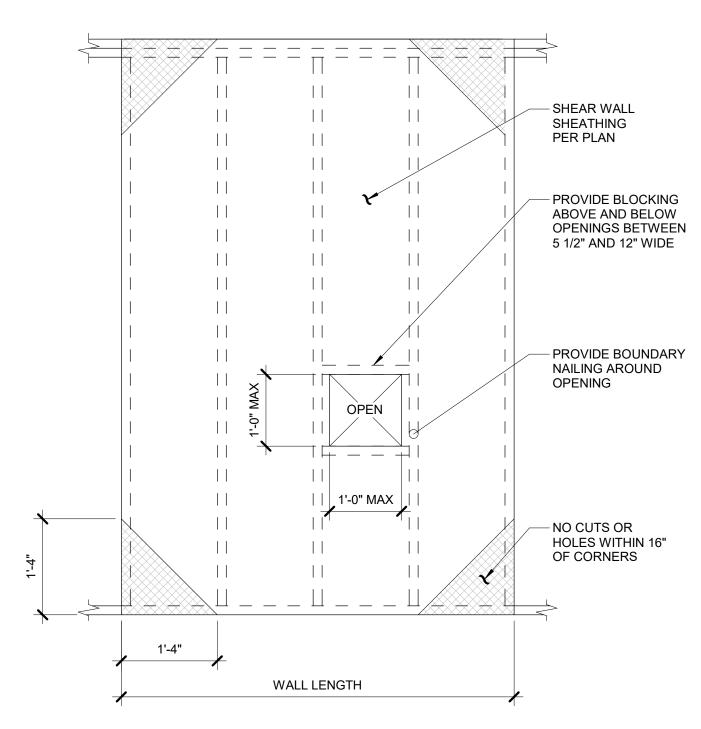
PANELS ABOVE AND BELOW WINDOW OPENING

OPENING IN SHEAR WALL WITH HOLDOWNS
NO SCALE



- 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.

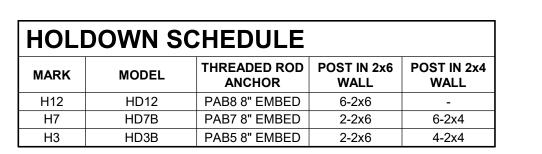




- 1. THE TOTAL NUMBER OF ALL OPENINGS CUT IN SHEATHING NOT TO EXCEED 20% OF SHEAR WALL LENGTH. EXAMPLE: FOR A 5'-4" PANEL AS SHOWN, TOTAL ALLOWABLE LENGTH = 20% OF 5.33' = 12.8". ONE 12" OPENING, WOULD BE
- ACCEPTABLE IN THIS CASE. 2. FULL HEIGHT STUDS SHALL BE SPACED NO MORE THAN 16". HOLE SHALL BE 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.





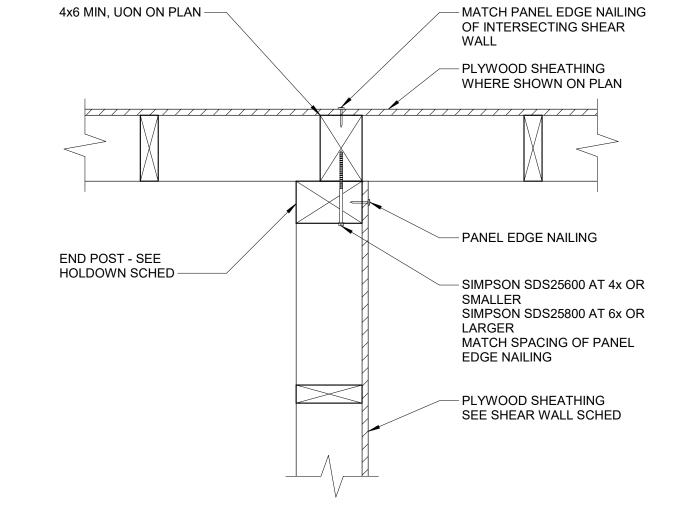


### TYPICAL POST SIZE SHOWN IN SCHEDULE, UON ON PLAN. 2. INSTALL HOLDOWNS PER SIMPSON STRONG-TIE

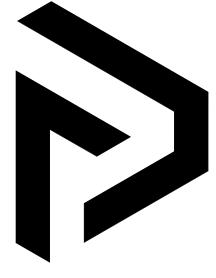
- SPECIFICATIONS. NOTCHES ARE NOT ALLOWED IN SHEAR WALL END POSTS. SEE TYPICAL DETAIL 'SIMPSON HOLDOWNS (NON-ATS) FOR
- THREADED ROD HOLDOWN ANCHOR INFORMATION. 5. PAB STANDS FOR PRE-ASSEMBLED ANCHOR BOLT. GIVEN EMBED DEPTHS ARE MINIMUM DEPTHS.

SIMPSON HOLDOWN 5 SCHEDULE

NO SCALE







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**WOOD SHEAR SCHEDULES & DETAILS S3.1** 

| PLYWOOD NAIL SPACING SCHEDULE |                     |                      |                       |                  |                   |         |  |
|-------------------------------|---------------------|----------------------|-----------------------|------------------|-------------------|---------|--|
| LOCATION                      | BOUNDARY<br>NAILING | CONT EDGE<br>NAILING | OTHER EDGE<br>NAILING | FIELD<br>NAILING | SOLID<br>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".

  THE OWNER SHALL APPROVE THE USE OF OSB SHEATHING IN LIEU OF PLYWOOD SPECIFIED ON THE
- APPROVED CONTRACT DOCUMENTS.

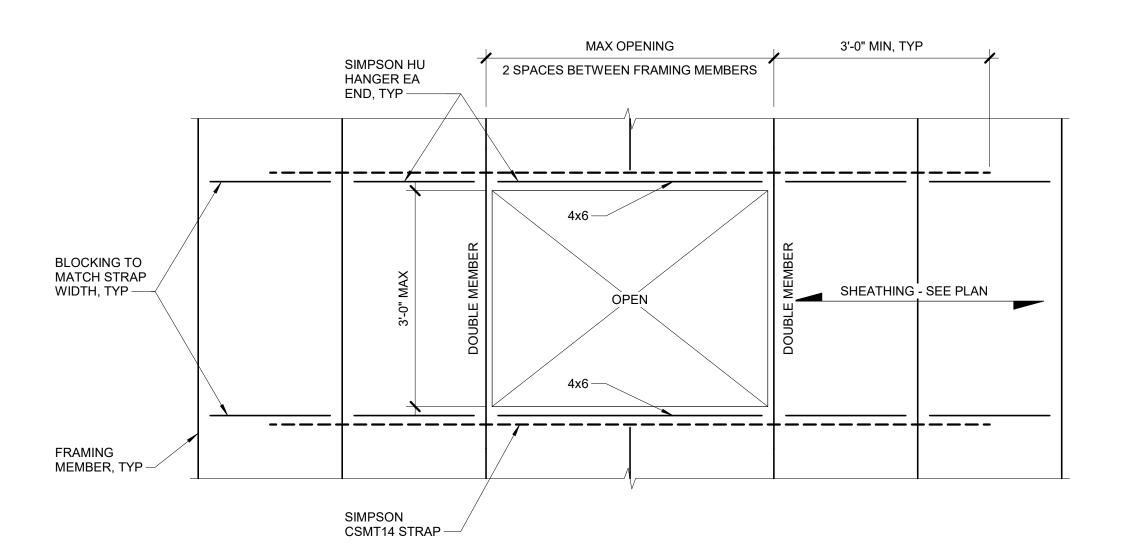
  6. SEE DETIALS 2/S3.2 AND 3/S3.2 FOR OPENING IN ROOF DIAPHRAM.

| WHERE WALL OCCUI<br>SIDE OF THE OPENIN<br>AND STRAPPING PEF<br>NOT REQD ON THIS S<br>MAY BE REQD PER O | G, BLOCKING<br>THIS DETAIL IS<br>SIDE. BLOCKING |      | 3'-0" MIN, TYP  MAX OPENING, 'W'  SPACE BETWEEN FRAMING                                      |   |
|--|---|------|--|---|
| BLOCKING TO  |   |      |  |   |
| MATCH STRAP<br>WIDTH, TYP  |   | OPEN | SHEATHING - SEE PLAN   | OPEN  |
| FRAMING<br>MEMBER, TYP   | SIMPSON<br>CSMT14 STRAP                         |      | IN A SINGLE BAY:<br>FOR 'W' < 12", PRO'<br>WITH EDGE NAILING<br>SHEATHING AND FI<br>BLOCKING | G BETWEEN RAMING MEMBER AND PROVIDE STRAP AND |

1 ROOF DIAPHRAGM
NO SCALE
6510-01

SEE NOTE 2 -

SMALL OPENING AT PLYWOOD DIAPHRAGM
NO SCALE
6510-02



WALL SHEATHING,
TYP

WALL STUD OR
TRUSS WEB, TYP

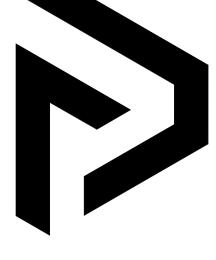
SIMPSON SDWS
TIMBER SCREW,
TYP

2x8 LEDGER

2x10 OR 2x12
LEDGER

3 LARGE OPENING AT PLYWOOD DIAPHRAGM
NO SCALE
6510-03





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BUILDING 2

**REVISIONS** 

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



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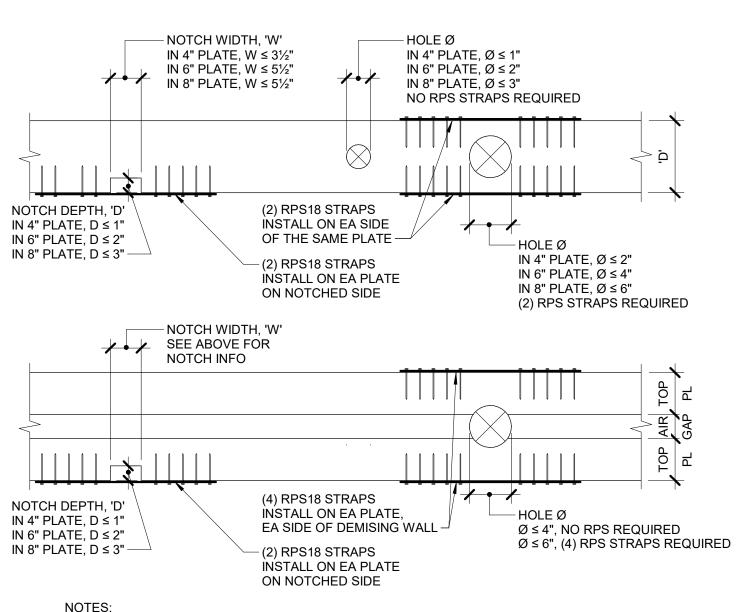
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- SIMPSON NAIL STOP AT ALL PLUMBING PIPE AND ELECTRICAL WIRES OR
- 2. HOLES SHALL NOT BE LOCATED IN THE SAME STUD AS A CUT OR A NOTCH. 3. CONTACT STRUCTURAL ENGINEER PRIOR TO CUTTING OR NOTCHING IF HOLES GREATER THAN 20% STUD WIDTH OR NOTCHES GREATER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

### NOTCH AND HOLE LIMITATIONS IN STRUCTURAL WALLS



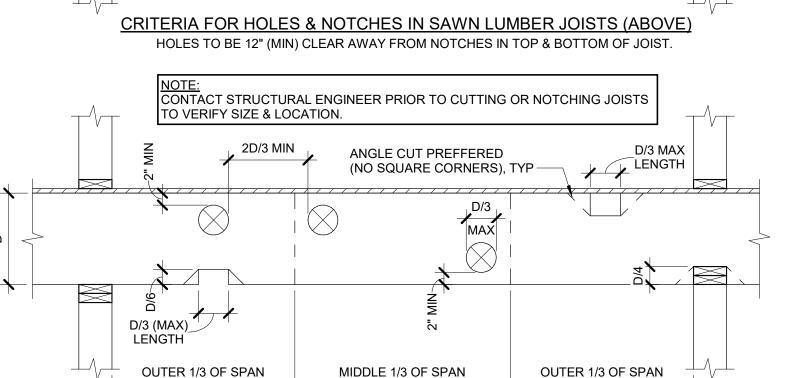
. NOTCHES SHALL HAVE A MINIMUM HORIZONTAL SPACING OF 6'-0". 2. HOLES SHALL HAVE A MINIMUM HORIZONTAL SPACING OF 12".

3. INSTALL RPS STRAPS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. 4. NOTIFY ENGINEER OF ANY PENETRATION THAT DOES NOT MEET THE

NOTCH AND BORING

**LIMITS FOR TOP PLATES** 

NOTCHES NOT L/3 L/3 PERMITTED 4 x LARGER HOLE -SUPPORT SUPPORT CRITERIA FOR HOLES & NOTCHES IN SAWN LUMBER JOISTS (ABOVE) HOLES TO BE 12" (MIN) CLEAR AWAY FROM NOTCHES IN TOP & BOTTOM OF JOIST.



NOTCHES NOT ALLOWED

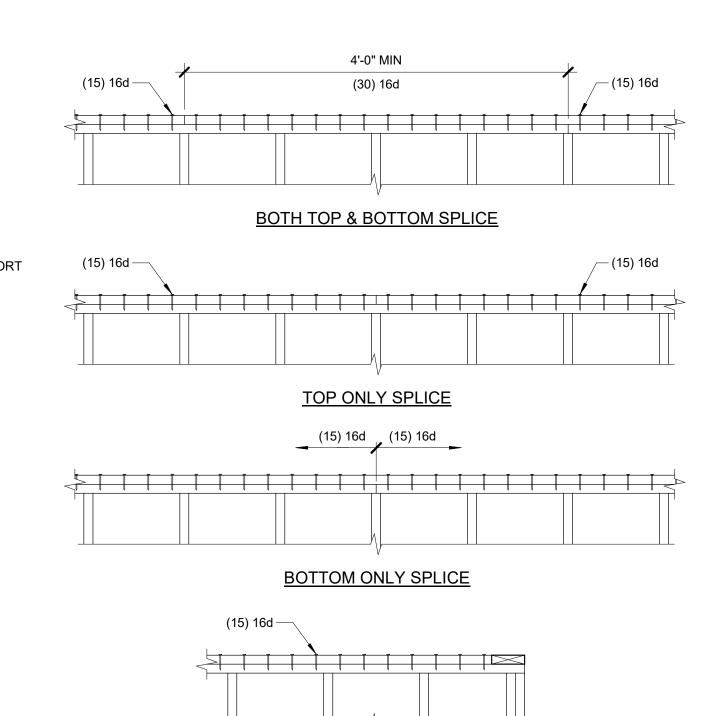
(HOLES ONLY)

NOTCHES & HOLES

ALLOWED

NOTCHES & HOLES

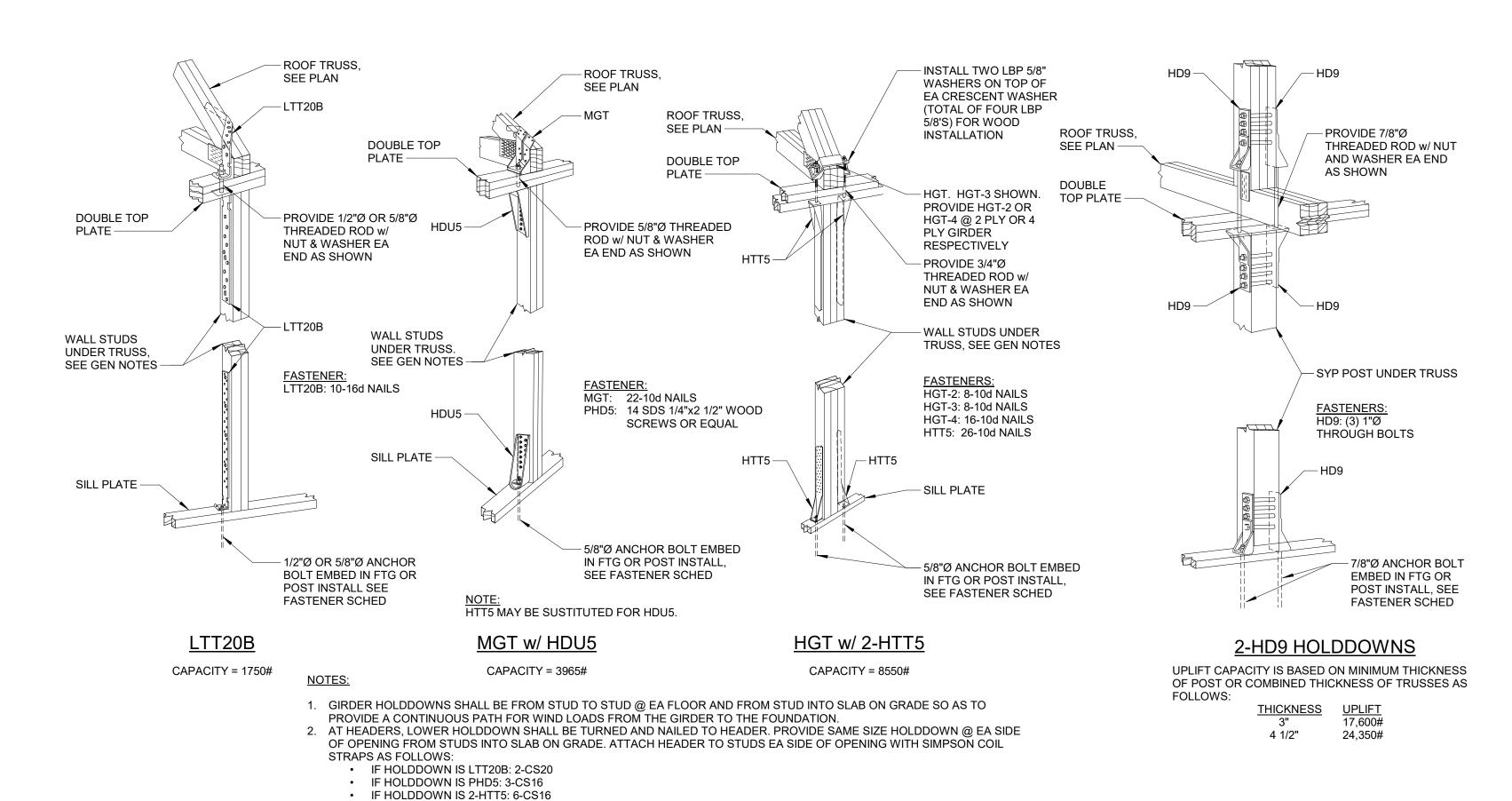
ALLOWED



**CORNER CONDITION** 

LIMITS FOR HOLES IN JOISTS





TYP GIRDER HOLDDOWNS

IF HOLDDOWN IS 2-HD9: NOT ALLOWED



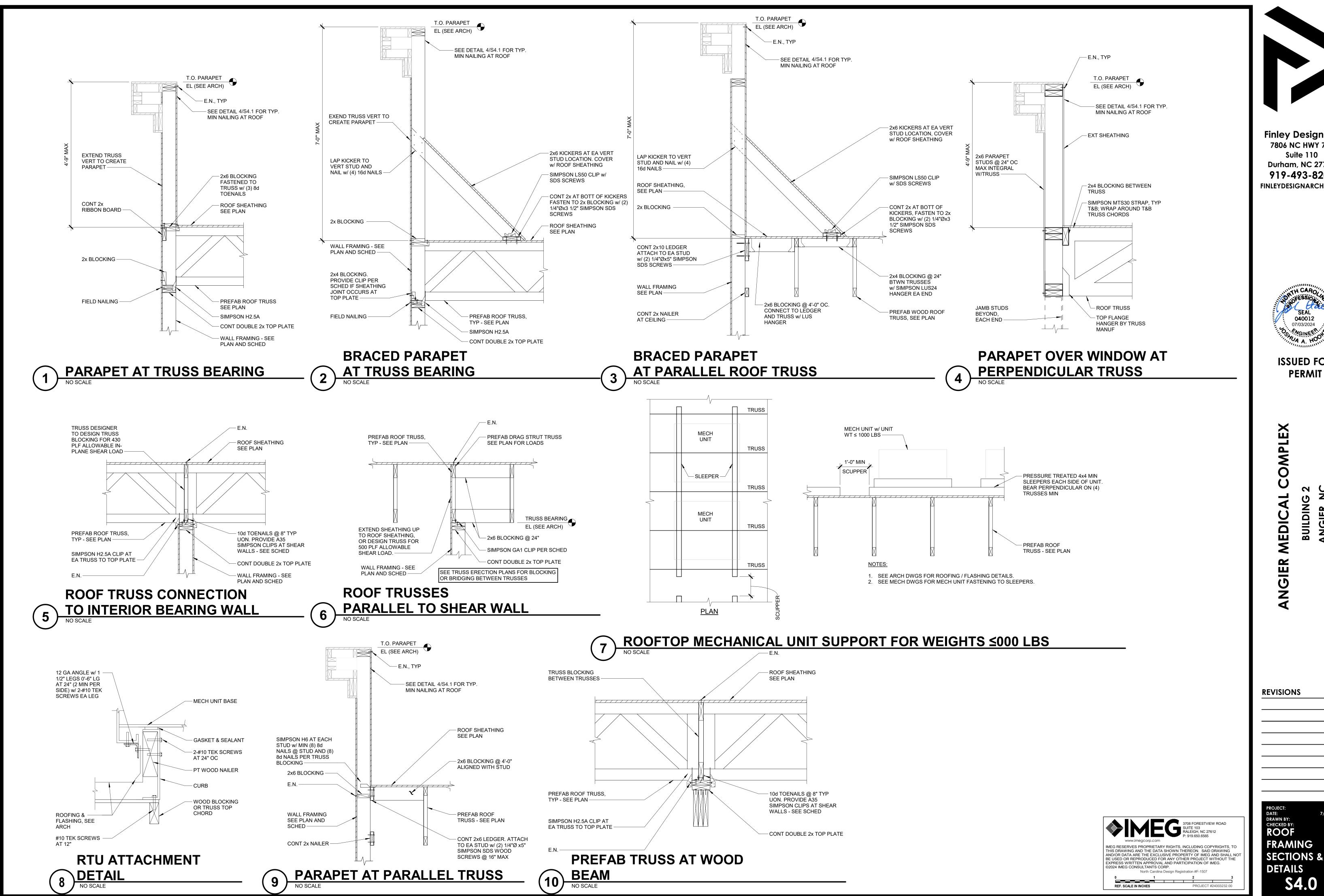
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**ISSUED FOR PERMIT** 

**REVISIONS** 

DRAWN BY: MOOD SECTIONS & **DETAILS** 



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BUILDING

DRAWN BY: CHECKED BY: ROOF **FRAMING** 

**S4.0** 

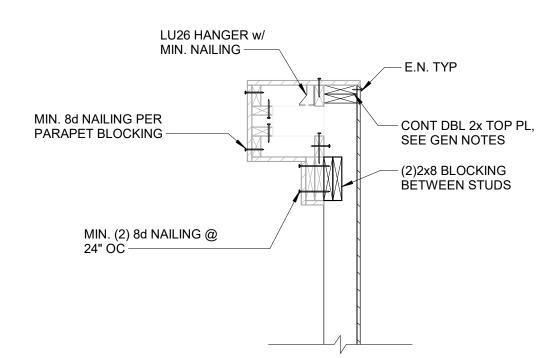
SEE ARCH SEE DETAIL 4/S4.1 FOR TYP. MIN NAILING AT ROOF 2x6 STUDS AT 16" OC. OPTION TO -DESIGN PARAPET AS PART OF - LAP KICKER TO VERT STUD AND NAIL w/ (4) 16d NAILS 2x6 KICKERS AT EA VERT STUD LOCATION. COVER w/ ROOF SHEATHING -SIMPSON LS50 CLIP w/ SDS SCREWS -- CONT DBL 2x TOP PL, SEE **GEN NOTES** CONT 2x AT BOTT OF KICKERS FASTEN TO 2x BLOCKING w/ (2) - ROOF DECK EDGE NAILING 1/4"Øx3 1/2" SIMPSON SDS (EA SIDE) SEE GEN NOTES SCREWS -- 2x BLOCKING FASTENED W/ ROOF SHEATHING, TYP — 16d NAILS @ 8" OC The state of the s FASTEN PARAPET FRAMING TO TRUSS W/ 10d NAILS T&B ROOF TRUSS — CONT DOUBLE 2x TOP PLATE 1) VERIFY ALL DIMENSIONS SHOWN w/ ARCH 2) SEE DETAIL 5/S4.0 FOR CONNECTION AT BEARING WALL.

T.O. PARAPET EL (SEE ARCH) SEE DETAIL 4/S4.1 FOR TYP. MIN NAILING AT ROOF 2x6 STUDS AT 16" OC. OPTION TO - 2x6 KICKERS AT EA VERT DESIGN PARAPET STUD LOCATION, COVER w/ ROOF SHEATHING AS PART OF TRUSS.— LAP KICKER TO VERT STUD AND NAIL w/ (4) 16d NAILS — SIMPSON LS50 CLIP w/ SDS SCREWS TYP ROOF SHEATHING, SEE PLAN — 2x BLOCKING - CONT 2x AT BOTT OF KICKERS, FASTEN TO 2x BLOCKING w/ (2) 1/4"Øx3 1/2" SIMPSON SDS SCREWS TYP - 2x4 BLOCKING @ 24" BTWN TRUSSES w/ SIMPSON LUS24 HANGER EA END TYP PREFAB WOOD ROOF TRUSS, TYP., SEE PLAN

PARA PARAPET AT INTERIOR w/

PARAPET RETURN

PARAPET RETURN



TYP. STRUCTURAL STUD WALL PARAPET TO STICK FRAMED

FINISH NO SCALE



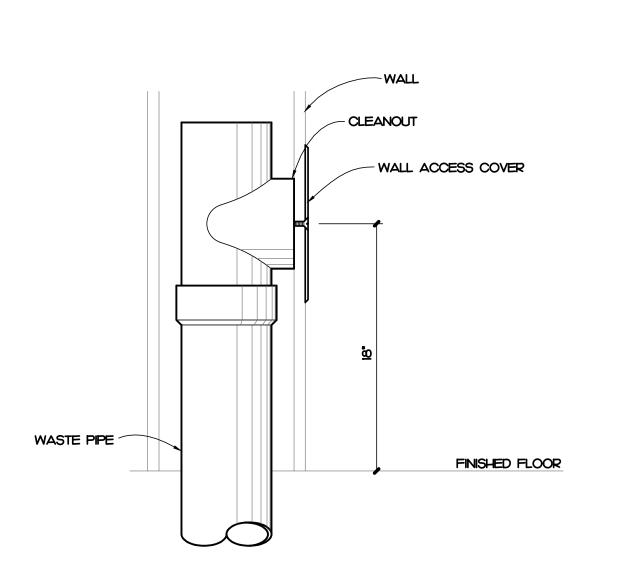
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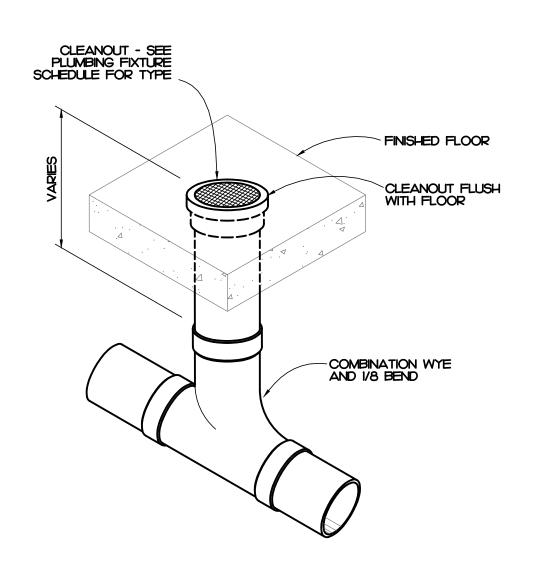
**ISSUED FOR PERMIT** 

**REVISIONS** 

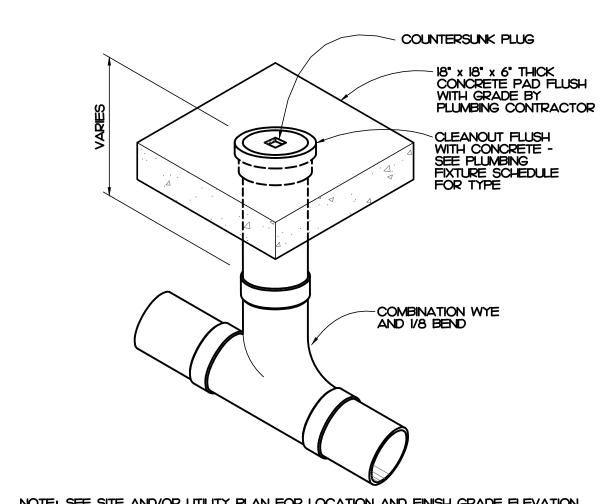
PROJECT:
DATE:
DRAWN BY:
CHECKED BY:
ROOF **SECTIONS & DETAILS** 



WALL CLEANOUT DETAIL (CO-1) Scale: NOT TO SCALE



FLOOR CLEANOUT DETAIL (CO-2) Scale: NOT TO SCALE



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

EXTERIOR CLEANOUT DETAIL (CO-3)

|  |                | 1                                | LOI   | 41 <b>D</b> 11 <b>1</b> U | FIXTURE                                      |                      |  |                     |                |                 | <b></b>          |
|--|----------------|----------------------------------|---|---------------------------|--|----------------------|--|---------------------|----------------|-----------------|------------------|
| ;  | SYMBOL / IMAGE | DESCRIPTION                      |   |                           | 3 - E0                                       |                      | l  |                     |                | ING CONNECTION  | NS<br>SANITA     |
|  |                |                                  | MANUFACTURER                                | MODEL NUMBER              | MANUFACTURER                                 | MODEL NUMBER         | MANUFACTURER   | MODEL NUMBER        | COLD WATER     | HOT WATER       | SEE PL           |
|  | <u></u> СОН    | WALL CLEANOUT                    | ZURN  | CO-24/3-PVC               | MIFAB  |                      | JR SMITH   |                     | -              | -               | DRAWIN           |
|  |                | ACCESS COVER                     | ZURN  | CO-2530-SS                | MIFAB  |                      | JR SMITH   |                     |                |                 |                  |
|  |                | PVC CLEANOUT BO<br>ACCESS COVER. | DDY AND PLUG TO BE                          | GAS AND WATER             | TIGHT, PLUG TO HAVE                          | A BRASS THREA        | DED INSERT TO RECE   | EIVE SECURING SCR   | EW FOR STAINL  | LESS STEEL RO   | DUND             |
|  |                |                                  | T   | T                         | 1  | T                    | T  |                     |                | I               | CEE DI           |
|  | CO-2           | FLOOR CLEANOUT                   | ZURN  | CO2449                    | MIFAB  |                      | JR SMITH   |                     | -              | -               | SEE PL<br>DRAWIN |
|  |                | PVC CLEANOUT W                   | ITH AND ADJUSTABLE                          | PVC RISER, NICKE          | L BRONZE FRAME AND                           | COVER, AND AN        | ABS TAPER THREADS  | ED PLUG. CLEANOU    | T TO BE GAS A  | AND WATERTIG    | HT.              |
|  |                |                                  |   |                           |  |                      |  |                     | ,              | 1               | T                |
|  | CO-3           | EXTERIOR CLEANOUT                | ZURN  | Z-1449-BP                 | WATTS  | CO-380-34B           | JR SMITH   | 4283                | -              | -               | SEE PL<br>DRAWIN |
|  |                | CLEANOUT FERRULI                 | E WITH CAST IRON BO                         | DY, WITH GAS AN           | D WATERTIGHT BRONZI                          | E PLUG, MOUNT IN     | CONCRETE.  |                     |                |                 |                  |
|  |                |                                  |   |                           |  |                      |  |                     |                |                 |                  |
| L  |                | LWATER COOLER                    |   | 1 707 004014              | <u> </u>                                     | Ī                    | Ī  |                     | 1 1/04         |                 | -                |
| 5_   | EWC-I          | WATER COOLER                     | ELKAY                                       | LZSTL8WSLK                |  |                      |  |                     | V2"            | -               | 2"               |
|  |                | PROVIDE WITH FRO                 | ONT AND SIDE CONTRO                         | LS, SHUT-OFF VAL          | _VE, CARRIER, AND TRA                        | AP. PROVIDE STAIN    | ILESS STEEL FINISH, F  | PROVIDE WITH BOTT   | LE FILLER.     |                 |                  |
|  |                |                                  |   |                           |  |                      |  |                     |                |                 |                  |
|  | H              | ANTIFREEZE<br>HOSE BIBB          | WOODFORD                                    | 65                        | WATTS  | HY-420               | MIFAB  | MHY-15              | 3/4"           | -               | -                |
|  |                |                                  | PIPE CHALL HAVE ALE                         |                           | I<br>S WITH ANTI-SIPHON VA                   |                      | <br>   | ET EVTEDIOD EINIG   |                | 45 PD0\/ID5 \A/ | /ITI   1 000     |
| <b>(</b>   |                |                                  | CH HOSE BIBB, MOUNT I                       |                           |  | COUNT BREAKER.       | 9/4 INLET AND OUTE   | ei. Exterior finis  | TO BE CHRON    | ME, PROVIDE VVI | IIH LOO          |
|  | IM-I           | ICE MAKER BOX                    | SCOTSMAN                                    | HID207 MERIDIAN           |  |                      |  |                     | 1/2*           | _               | _                |
|  | <u> </u>       |                                  |   |                           |  |                      |  |                     |                |                 |                  |
|  |                | PLASTIC ICE MARE                 | R BOX WITH 1/4 TURN                         | BRASS BALL VAL            | VE - COPPER SWEAT A                          | AND SUPPLY TUBE      | TO REPRIGERATOR.   | COORDINATE MOUN     | ning height w  | IIH ARCHITECT   | l.               |
| <u> </u>   |                | LAVATORY                         | AMERICAN STANDARD                           | 0355041,020               |  |                      |  |                     |                |                 |                  |
| سام  |                |                                  | ZURN  | Z6915-XL                  |  |                      |  |                     |                |                 |                  |
|  |                | FAUCET                           |   |                           | DEADBORL PRACE                               | 700 !                | VOLUE OF THE PROPERTY OF THE P | K 6000              |                |                 | -                |
| and the same of th |                | TRAP                             | McGUIRE                                     | 8902                      | DEARBORN BRASS                               | 702-I                | KOHLER   | K-8999              |                |                 | 2*               |
|  |                | SUPPLY                           | McGUIRE                                     | 158LK                     | BRASS CRAFT                                  | RI9I2AC              | KOHLER   | K-7605-P-CP         | 1/2"           | 1/2"            |                  |
|  |                | DECK MOUNTED ME                  | ETERED FAUCET SHALL                         | L BE CHROME FIN           | INA WITH A WHITE FINISH, AND PROVIDED WI     | TH MIXING VALVE,     | WITH 3/8" COPPER SI  | JPPLY TUBE INLETS   | , AND PROVIDE  | O WITH AN AE    | RATOR.           |
|  |                | OUTLET SHALL BE                  | 3/8" IPS. P-TRAP SHAL                       | L BE CHROME PL            | STOPS WITH THREADE<br>ATED CAST BRASS BO     | DY WITH CLEANO       | UT, CAST BRASS ELB   | OW AND CAST BRA     |                |                 |                  |
|  |                |                                  | •   |                           | EMPERATURE LIMITING I                        | DEVICE THAT CON      | NFORMS TO ASSE 107   | U OR CSA BIZ5.3.    | 1              |                 | 3*               |
|  | MR-I           | MOP RECEPTOR                     | FIAT  | MSB 2424                  |  |                      |  |                     |                |                 | 3                |
|  |                | FAUCET                           | FIAT  | 830-AA                    |  |                      |  |                     | 1/2"           | 1/2*            |                  |
|  |                | HOSE                             | FIAT  | 832AA                     |  |                      |  |                     |                |                 |                  |
|  |                | MOP BRACKET                      | AMERICAN SPECIALTIES                        | 1308                      |  |                      |  |                     |                |                 |                  |
|  |                |                                  |   |                           | PIECE STAINLESS STEE<br>T                    | L CAP, NO FLANG      | ES.  |                     | 1              | <u> </u>        | <u> </u>         |
|  | P4             | RECIRCULATING PUMP               |   | PL36                      |  |                      |  |                     |                |                 |                  |
|  |                |                                  | IMP SHALL BE 1/6 HORS<br>TRICAL CONTRACTOR. |                           | .T, SINGLE PHASE. PRO                        | VIDE PUMP WITH I     | MOUNTING BRACKET,  | TIMER, AQUASTAT     | AND DISCONNEC  | CT, DISCONNEC   | CT WIRING        |
| <u> </u>   | S-I            | KITCHEN SINK                     | ELKAY                                       | DAYTON DXUH-28K           | 5  |                      |  |                     |                |                 |                  |
| عام  |                | FAUCET                           | MOEN  | 7864-SRS                  |  |                      |  |                     | V2*            | 1/2*            |                  |
|  |                |                                  | -   |                           | KON ED                                       | K0000                | DEADBODAL BRACC  | 700 1               | W 2            | W2              | 2*               |
|  |                | TRAP                             | McGUIRE                                     | 8902                      | KOHLER                                       | K8999                | DEARBORN BRASS   | 702-1               |                |                 |                  |
| <  |                | SUPPLY                           | McGUIRE                                     | 170                       | KOHLER                                       | K-76-6-P             | BRASSCRAFT   | CS400AC             |                |                 |                  |
|  |                | STRAINER                         | JUST  | JB-99                     | ELKAY  | LK-99                | DEARBORN   | L7                  |                | 1501500 500     |                  |
|  |                | KIT SHALL INCLUDE                | CHROME PLATED BRA                           | ASS STOPS WITH            | DECK MOUNTED FAUC<br>THREADED CONNECTION     | NS AND FLANGE.       | INLET AND OUTLET S   |                     |                |                 |                  |
| Ł  |                |                                  | •   |                           | CTION, AND DISPOSAL II                       | FREQUIRED BY A       | RCHITECT.  | T                   | 1              |                 |                  |
| 5  | S-2            | LAUNDRY SINK                     | ELKAY                                       | ELGU251912PDWHO           |  |                      |  |                     |                |                 |                  |
|  |                | FAUCET                           | MOEN  | CHATEAU                   | 1  |                      |  |                     | V2"            | 1/2*            |                  |
|  |                | TRAP                             | McGUIRE                                     | 8902                      | KOHLER                                       | K8999                | DEARBORN BRASS   | 702-1               |                |                 | 2*               |
| <  |                | SUPPLY                           | McGUIRE                                     | 170                       | KOHLER                                       | K-76-6-P             | BRASSCRAFT   | CS400AC             |                |                 |                  |
| `  |                | STRAINER                         | JUST  | JB-99                     | ELKAY  | LK-99                | DEARBORN   | L7                  |                |                 |                  |
|  |                | KIT SHALL INCLUDE                | CHROME PLATED BRA                           | ASS STOPS WITH            | DECK MOUNTED FAUC<br>THREADED CONNECTIO      | NS AND FLANGE.       | INLET AND OUTLET S   |                     |                |                 |                  |
| •  |                |                                  |   |                           | CTION, AND DISPOSAL I                        |                      |  |                     |                |                 |                  |
| <u>5                                    </u>   | <b>S-3</b>     | NURSE STATION SINK               | ELKAY                                       | ELUHADI3I645PD            |  |                      |  |                     |                |                 |                  |
| //   |                | FAUCET                           | ZURN  | Z6920-XL-I-W6             |  |                      |  |                     | 1/2"           | 1/2*            |                  |
|  |                | TRAP                             | McGUIRE                                     | 8902                      | KOHLER                                       | K8999                | DEARBORN BRASS   | 7O2-I               |                |                 | 2*               |
|  |                | SUPPLY                           | McGUIRE                                     | 170                       | KOHLER                                       | K-76-6-P             | BRASSCRAFT   | CS400AC             |                |                 |                  |
| \  |                | STRAINER                         | JUST  | JB-99                     | ELKAY  | LK-99                | DEARBORN   | L7                  |                |                 |                  |
|  |                | SINK IS TO BE 18 G               | <br>  BAUGE STAINLESS STE                   | L<br>EL, SELF-RIMMING.    | DECK MOUNTED FAUC                            | L<br>ET SHALL BE CHI |  |                     |                |                 |                  |
|  |                |                                  |   |                           | THREADED CONNECTIO<br>CTION, AND DISPOSAL II |                      |  | HALL BE 3/8" IPS, F | PROVIDE WITH M | ICGUIRE PROW    | RAP              |
|  | WM-I           | WASHING MACHINE BOX              | OATEY CO.                                   | 38108                     | GUY GRAY                                     |                      | SIOUX CHIEF  |                     | 1/2"           | 1/2"            | 2"               |
|  |                | PLASTIC WASHING                  | MACHINE BOX WITH 1/4                        | ⊥<br>4. TIPN RDASS RA     | L<br>ALL VALVES - COPPPER                    | SWIFAT AND DD        | I  | F FINISHED FLOOD    |                |                 |                  |
|  |                |                                  |   | DE                        |  | . Chami mit UK       |  |                     |                |                 |                  |
| <u>E</u>   | WC-I           | WATER CLOSET                     | AMERICAN STANDARD                           | 3043001.020               |  |                      |  |                     |                |                 | 4*               |
|  |                | SEAT                             | AMERICAN STANDARD                           | 5901100.020               | 1  |                      |  |                     |                |                 |                  |
|  |                | VALVE                            | SELECTRONIC                                 | 6247121,002               | 1  |                      |  |                     | r              | -               |                  |
|  |                |                                  |   |                           |  |                      | TOP SPIE SEAT CUA  |                     | Y WEIGHT SOL   |                 | LN Voer.         |
|  |                | FRONT LESS COVE                  |   | OWL. EXPOSED CH           | E FINISH AND A 12" ROI<br>IROME PLATED FLUSH |                      |  |                     |                |                 |                  |
|  |                |                                  | CONTINUE WIDE SIDE OF                       | - IHE SIALL               |  |                      |  |                     |                |                 |                  |
|  | WLH            | †                                |   |                           | AO SMITU                                     |                      |  |                     | 2//-           | 2/4"            |                  |
|  | WH             | WATER HEATER                     | STATE INDUSTRIES                            | PCE 40 20LSA              | A.O. SMITH  DRAGE CAPACITY, AN               |                      | LOCHINVAR  | NT SINCLE DIACE     | 3/4"           | 3/4"            | I AT A M         |

### PLUMBING GENERAL NOTES

- I. 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 I'FIBERGLASS, EXPOSED PIPING TO BE WRAPPED WITH
- II. 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. WATER HEATERS SHALL HAVE AND EFFICIENCY MEETING REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODE.
- 14. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER HIS CONTRACT.
- 15. 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.
- 16. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
- 17. 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.
- 18. 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,
- 19. VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
- 20. ALL VENT PIPING THROUGH THE ROOF SHALL BE A MINIMUM OF 15'-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.
- 21, SEE ARCHITECTURAL DRAWINGS FOR PLUMBING MINIMUM FACILITY CALCULATIONS.
- 22. ALL INDIRECT WASTE IS TO BE PROVIDED WITH AN AIR GAP 2 TIMES THE SIZE OF THE WASTE INLET.
- 23. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR DEMOLITION AT NO COST TO THE
- 24. THE PLUMBING CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.

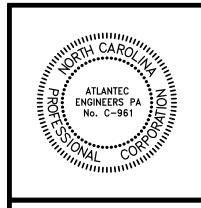
### PLUMBING SYMBOL LEGEND

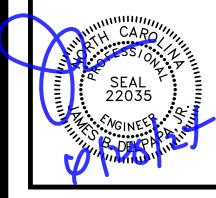
| SYMBOL              | DESCRIPTION   |
|---------------------|---|
|                     | COLD WATER PIPING   |
|                     | WATER PIPING DIRECTION OF FLOW  |
| ECW                 | EXISTING COLD WATER PIPING  |
| ····                | COLD WATER PIPING BELOW FINISHED FLOOR                                |
|                     | HOT WATER PIPING  |
| <u>.</u>            | BALL VALVE  |
|                     | SOLENOID VALVE  |
| <b>Θ</b> -·-·-      | WATER PIPING TURNED DOWN  |
| o                   | WATER PIPING TURNED UP  |
|                     | PIPING SIDE CONNECTION  |
|                     | SANITARY SEWER / WASTE PIPING   |
|                     | SANITARY SEWER / WASTE PIPING DIRECTION OF FLOW                       |
| ESS                 | EXISTING SANITARY SEWER / WASTE PIPING                                |
|                     | VENT PIPING   |
|                     | VENT PIPE UP  |
| <b>○</b>            | NON FREEZE WALL HYDRANT   |
| <b>–</b> ₹          | HOSE BIBB   |
| <u> </u>            | PLUMBING FIXTURE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR        |
| <b>⊙</b> ———        | FLOOR CLEANOUT  |
| 1                   | WALL CLEANOUT   |
| 0                   | FLOOR DRAIN   |
| $oldsymbol{\Theta}$ | CONNECT TO EXISTING   |
| E.C.                | ELECTRICAL EQUIPMENT BY ELECTRICAL CONTRACTOR. ROUTE PIPING TO AVOID. |
|                     |   |
|                     |   |

### PLUMBING LOAD SUMMARY

| SANITARY SEWER | WATER  | WATER  |  |
|----------------|--------|--------|--|
| DEMAND         | DEMAND | DEMAND |  |
| FU             | FU     | GPM    |  |
| 40.0           | 67.O   | 58.0   |  |

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TLANTEC 3221 BLUE RIDGE ROAD, SUITE 113 RALEIGH, NC 27612

**REVISIONS** 

PLUMBING NOTES, LEGEND, DETAILS & FIXTURE SCHEDULE

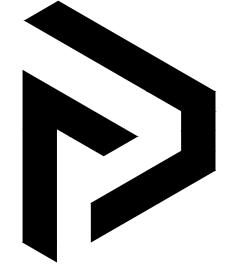
**PO.0** 

ADA COMPLIANT ELECTRICAL POWER

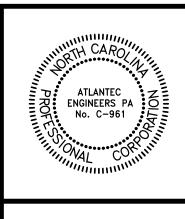
THE PLUMBING CONTRACTOR MAY SUBSTITUTE FIXTURES WITH OWNERS' APPROVAL. SUBMIT CUT SHEETS FOR ALL PROPOSED FIXTURES TO ARCHITECT PRIOR TO BIDDING.

REFER TO MANUFACTURERS WEB SITE FOR CUT SHEETS AND DATA ON THE FIXTURES AND APPURTENANCES USED IN THIS SCHEDULE.

PROVIDE VACUUM BREAKER ON ALL EQUIPMENT REQUIRING PLUMBING.



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TLANTEC

ENGINEERS, PA

3221 BLUE RIDGE ROAD, SUITE II3
RALEIGH, NC 27612
(919) 571-IIII 24074

MEDICAL COMPLEX
BUILDING 2

ANGIER MEDICAL C
BUILDING 2
ANGIER, NC

REVISIONS

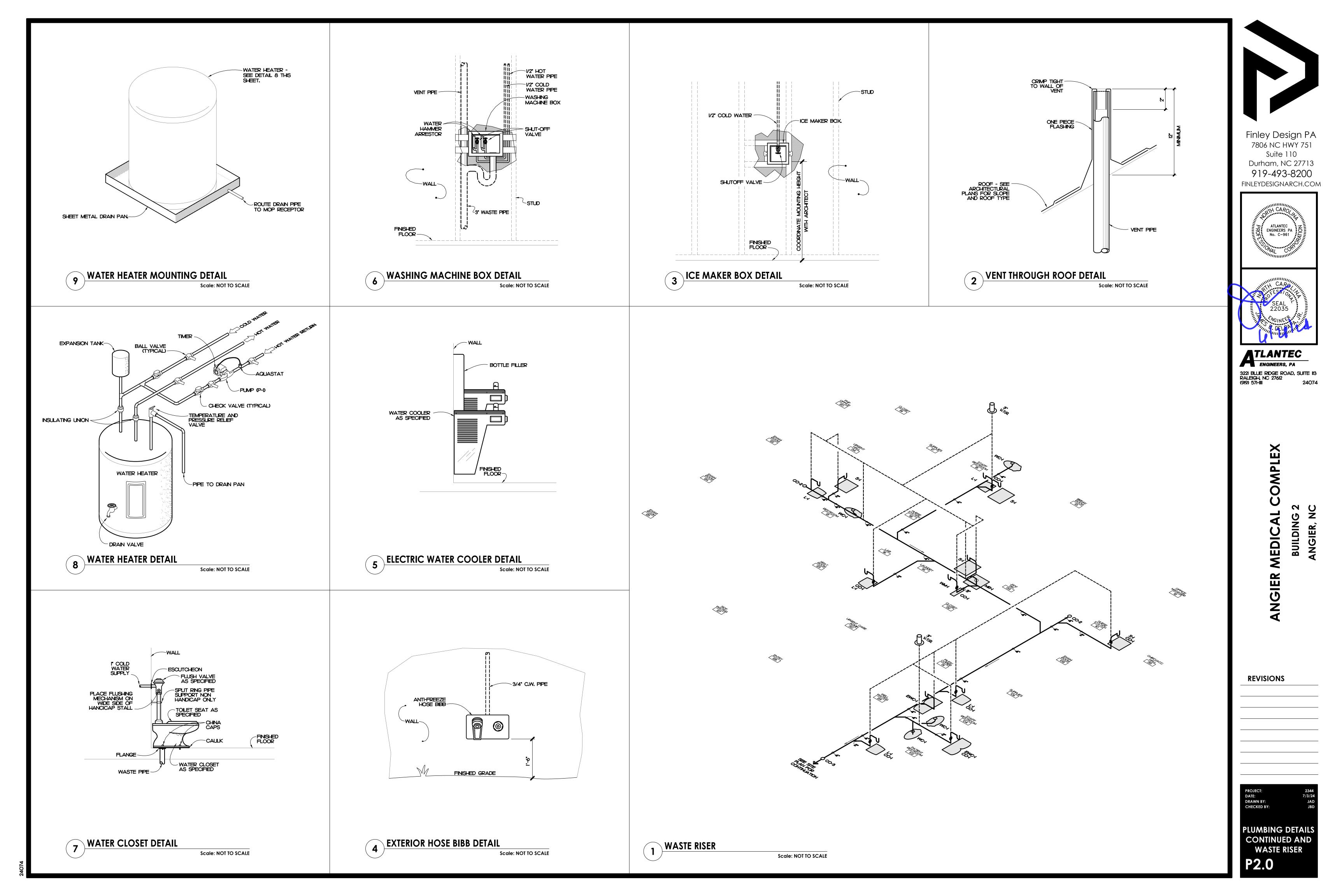
PROJECT: 2344
DATE: 7/3/24
DRAWN BY: JAD
CHECKED BY: JBD

PLUMBING PLAN BUILDING 2

P1.0

PLUMBING PLAN - BUILDING 2

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



|        |   |      |      | S    | PL      | IT-   | Sì   | <b>/S</b> | TEN  | И HE              | AT F     | PUMP     | SCH      | ΗED     | UL   | E. |            |           |                  |
|--------|---|------|------|------|---------|-------|------|-----------|------|-------------------|----------|----------|----------|---------|------|----|------------|-----------|------------------|
|        |   | IN   | SIDE | UNIT | •       |       |      |           |      |                   |          |          | OUTSI    | DE UNIT |      |    |            |           |                  |
| MARK   | BASIS OF FAN SUPP. ELECTRICAL MARK BASIS OF CAPACITY HEATING ELECTRICAL EFFICIENCY NOTES  OESIGN CFM   S.P.   IP   HEAT   POWER   FLA   MOCP   MARK   DESIGN   TOTAL   SENSIBLE   CAPACITY   POWER   FLA   MOCP   COOLING   HEATING   NOTES |      |      |      |         |       |      |           |      |                   |          |          |          |         |      |    |            |           |                  |
| AHU-I  | TRANE<br>GAM5BOC48  | 1600 |      |      | 10,8 kW |       | 36.0 |           |      | TRANE<br>4TWA4048 | 48.2 MBH | 35,9 MBH | 27,0 MBH | 208/3   | 14.8 | 30 | 14.5 SEER  | 8.2 HSPF  | 1-7              |
| AHU-2  | TRANE<br>GAM5BOB3O  | 1000 | 0.5  | 1/3  | 5.8 kW  | 208/1 | 30.5 | 40        | HP-2 | TRANE<br>4TWR4030 | 29.7 MBH | 22.7 MBH | 17.2 MBH | 208/1   | II.O | 25 | 14.6 SEER2 | 7.5 HSPF2 | I-7              |
| AHU-3  | TRANE<br>GAM5BOA24  | 800  | 0.5  | 1/3  | 5.8 kW  | 208/1 | 30.5 | 40        | HP-3 | TRANE<br>4TWR4024 | 23.2 MBH | 17.8 MBH | 14,4 MBH | 208/1   | 12.3 | 25 | 14.6 SEER2 | 7.5 HSPF2 | I <del>-</del> 7 |
|        | TRANE<br>GAM5BOB36  | 1200 | 0.5  | 1/2  | 7.2 kW  | 208/3 | 24.1 | 30        | HP-4 | TRANE<br>4TWA4036 | 35,8 MBH | 26,8 MBH | 19.7 MBH | 208/3   | Ю.7  | 20 | 14.75 SEER | 8,2 HSPF  | I <del>-</del> 7 |
| NOTES: |   |      |      |      |         |       |      |           |      |                   |          |          |          |         |      |    |            |           |                  |

EXHAUST FAN SCHEDULE

I, PROVIDE WITH HEAVY DUTY FUSIBLE DISCONNECT ON INDOOR AND OUTDOOR UNITS.

6. PROVIDE WITH LOW AMBIENT CONTROLS FOR OPERATION DOWN TO 0 DEGREES FAHRENHEIT.

3. PROVIDE WITH PROGRAMMABLE THERMOSTAT WITH 10 HR BATTERY BACKUP, AUTO-CHANGEOVER, AND 2 HOUR OVERRIDE.

2. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION ON INDOOR UNIT.

4. SEE OUTSIDE AIR SUMMARY FOR OUTSIDE AIR INTAKE FLOW SETTINGS.

5. ROUTE CONDENSATE TO EXTERIOR SPLASH BLOCK,

7. PROVIDE WITH 2" PLEATED FILTER RACK AND FILTER AT UNIT.

| MARK         | BASIS OF<br>DESIGN | SERVICE | TYPE        | CFM | RPM  | HP/AMPS  | SP.  | POWER | NOTES |
|--------------|--------------------|---------|-------------|-----|------|----------|------|-------|-------|
| EF-I         | COOK<br>GC-140     | TOILET  | CABINET FAN | 105 | 1500 | 67 Watts | 0.25 | 120/1 | I-3   |
| EF-2         | COOK<br>GC-140     | LAB     | CABINET FAN | 105 | 1500 | 67 Watts | 0.25 | 120/1 | 1,2,4 |
| <b>EF-</b> 3 | COOK<br>GC-140     | JANITOR | CABINET FAN | 105 | 1500 | 67 Watts | 0.25 | 120/1 | 1,2,4 |

I. PROVIDE WITH DISCONNECT SWITCH. 2. PROVIDE WITH BACKDRAFT DAMPER. 3. CONTROL VIA LIGHT SWITCH BY E.C. 4. CONTROL VIA WALL SWITCH BY E.C.

### GRILLE & DIFFUSER SCHEDULE

| MARK | BASIS OF<br>DESIGN  | SERVICE | TYPE            | MAX. CFM | FACE SIZE | NECK SIZE    | NOTES            |
|------|---------------------|---------|-----------------|----------|-----------|--------------|------------------|
| A    | PRICE<br>SCD 4 CONE | SUPPLY  | LOUVERED LAY-IN | 100      | 24X24     | 6 <b>"</b> Ø | I <del>-</del> 3 |
| В    | PRICE<br>SCD 4 CONE | SUPPLY  | LOUVERED LAY-IN | 200      | 24X24     | 8*ø          | I <del>-</del> 3 |
| С    | PRICE<br>SCD 4 CONE | SUPPLY  | LOUVERED LAY-IN | 300      | 24X24     | 10.0         | <b>I-3</b>       |
| D    | PRICE<br>SMD        | SUPPLY  | SURFACE MOUNT   | 100      | 8X8       | 6 <b>"</b> Ø | l-4              |
| RA   | PRICE<br>530        | RETURN  | LOUVERED LAY-IN | 1000     | 24X24     | SEE DWG      | I <del>-</del> 3 |

| IVIAKI | DESIGN              | OLK VIOL | 1               |      |       |         |                  |
|--------|---------------------|----------|-----------------|------|-------|---------|------------------|
| Α      | PRICE<br>SCD 4 CONE | SUPPLY   | LOUVERED LAY-IN | 100  | 24X24 | 6"Ø     | I-3              |
| В      | PRICE<br>SCD 4 CONE | SUPPLY   | LOUVERED LAY-IN | 200  | 24X24 | ප්      | -ა               |
| С      | PRICE<br>SCD 4 CONE | SUPPLY   | LOUVERED LAY-IN | 300  | 24X24 | 10.0    | I-3              |
| D      | PRICE<br>SMD        | SUPPLY   | SURFACE MOUNT   | 100  | 8X8   | 6"Ø     | l-4              |
| RA     | PRICE<br>530        | RETURN   | LOUVERED LAY-IN | 1000 | 24X24 | SEE DWG | I <del>-</del> 3 |

I. COORDINATE FINISH WITH ARCHITECT. 2. GRILLE TO HAVE FULLY LOUVERED FACE.

4. FRAME FOR SURFACE MOUNTING.

3. PROVIDE WITH INSULATED SHEET METAL PLENUM.

### **GENERAL NOTES**

- 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 MECHANICAL CONTRACTOR (M.C.).
- . ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN, THE M.C. SHALL COORDINATE ALL OF THEIR WORK WITH ALL OTHER CONTRACTORS,
- 4. THE MECHANICAL PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION, ALL DISCREPANCIES OR INTERFERENCES 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.
- THE M.C. SHALL BE RESPONSIBLE FOR ALL ELECTRICAL STARTERS, INTERLOCKS, CONTROL WIRING, THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING, CONDUIT FROM THE DISCONNECT TO M.C. EQUIPMENT. THE M.C. SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTION TO THEIR EQUIPMENT.
- . INSTALL FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCTWORK AT ALL AIR HANDLING UNITS.
- 3. INSTALL TURNING VANES IN ALL DUCTS AT ELBOWS, PROVIDE BALANCING AND SPLITTER DAMPERS WHERE SHOWN AND AS REQUIRED FOR SYSTEM BALANCING.
- 9. ALL THERMOSTATS, WIRING AND CONDUIT ARE TO BE FURNISHED BY THE M.C. MOUNT THERMOSTATS 4'-0" ABOVE THE FLOOR, UNLESS OTHERWISE NOTED.
- 10. THE M.C. SHALL INSURE THAT ALL MECHANICAL EQUIPMENT INSTALLED UNDER THEIR CONTRACT SHALL OPERATE FREE OF OBJECTIONABLE NOISE AND VIBRATION.
- THE M.C. SHALL KEEP THE PREMISES CLEAR OF DEBRIS FROM THEIR WORK DURING CONSTRUCTION AND LEAVE THE AREA AND BUILDING CLEAN AT THE COMPLETION OF THEIR WORK, THEY SHALL ALSO LEAVE CLEAN ALL EXPOSED EQUIPMENT IN THEIR CONTRACT.
- 12. FLEXIBLE DUCT RUNOUTS SHALL BE A MAXIMUM OF 14'-O'.
- 13. ALL FLEXIBLE DUCT RUNOUTS SHALL INCLUDE INSULATED DAMPERED BOOTS AT THE POINT OF CONNECTION WITH RECTANGULAR DUCT. PROVIDE ALL FLEXIBLE DUCTWORK WITH FOIL-BACKED, EXTERNALLY WRAPPED INSULATION FOR A MINIMUM OF R-8.
- 14. ALL DUCTWORK SIZES SHOWN ARE ACTUAL SHEET METAL DIMENSIONS, EXTERNALLY WRAP ALL DUCT WITH 3" FOIL-BACKED INSULATION FOR A MINIMUM OF R-8...
- 15. MECHANICAL CONTRACTOR SHALL WORK WITH TEST AND BALANCE CONTRACTOR TO REMEDY ANY DIFFERENCES TO INCLUDE FAN DRIVE CHANGES, INSTALLATION OF DAMPERS OR OTHER MINOR DUCT MODIFICATIONS TO PROVIDE AIRFLOW TO WITHIN +/- 10% OF THE DESIGN VALUES LISTED ON THESE PLANS.
- 16. THE AIR HANDLING UNIT SHALL OPERATE AT ALL TIMES DURING OCCUPIED HOURS.
- 17. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON
- 18. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF DUCT SHOP DRAWINGS FOR
- 19. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A BALANCE REPORT BY A CERTIFIED TEST AND BALANCE COMPANY.
- 20. PROVIDE PERMIT LABEL ENGRAVED PLASTIC LAMINATE MECHANICALLY FASTENED TO OUTDOOR UNITS.
- 21. LABEL CEILING GRID WHERE EQUIPMENT IS LOCATED ABOVE LAY-IN CEILING, WITH EQUIPMENT IDENTIFIER. ALSO LABEL ALL TEMPERATURE SENSORS AND THERMOSTATS WITH EQUIPMENT IDENTIFIER.

### SYMBOL LEGEND

SYMBOL DESCRIPTION SHEET METAL DUCT FLEXIBLE DUCT SUPPLY DIFFUSER - LETTER & NUMBER INDICATES TYPE & CFM RETURN GRILLE - LETTER & NUMBER INDICATES TYPE & CFM EXHAUST FAN THERMOSTAT - MOUNTED 48" ABOVE FINISHED FLOOR BALANCING DAMPER ELBOW WITH TURNING VANES LEAD-LINED WALL TO DECK

### **OUTSIDE AIR SUMMARY**

ZONE I: OFFICE AREA: 1,314 SQFT \* 0,06 CFM/SQFT + 18 PER \* 5 CFM/PER = 169 CFM

ZONE 2: OFFICE AREA: 622 SQFT \* 0.06 CFM/SQFT + 14 PER \* 5 CFM/PER = 107 CFM

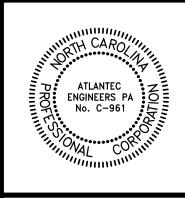
ZONE 3: OFFICE AREA: 779 SQFT \* 0.06 CFM/SQFT + 5 PER \* 5 CFM/PER = 72 CFM

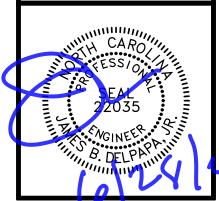
ZONE 4: OFFICE AREA: 942 SQFT \* 0.06 CFM/SQFT + 15 PER \* 5 CFM/PER = 132 CFM

TOTAL REQUIRED = 480 CFM

TOTAL PROVIDED = 535 CFM

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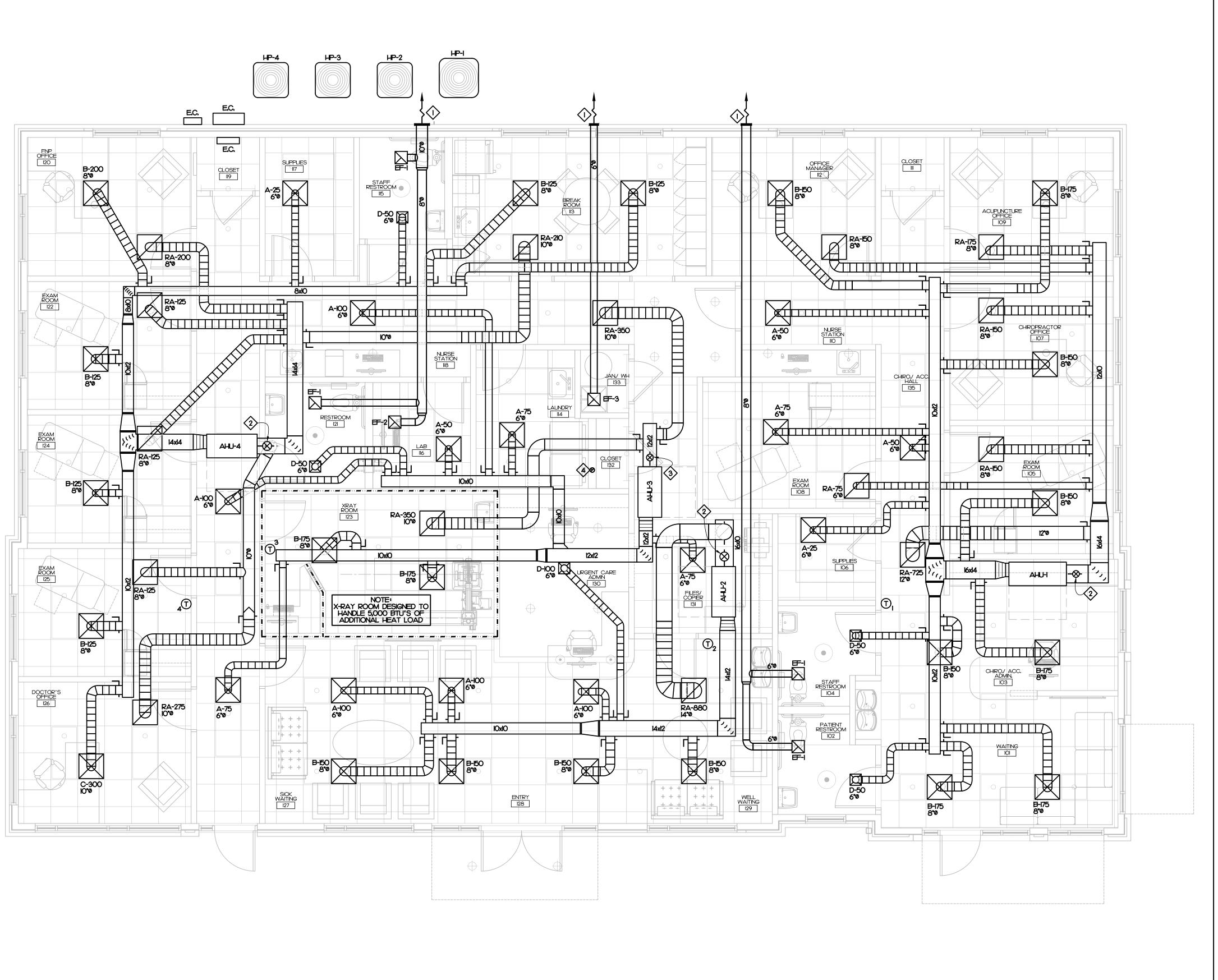
TLANTEC ENGINEERS, PA 3221 BLUE RIDGE ROAD, SUITE 113 RALEIGH, NC 27612

REVISIONS

**MECHANICAL** NOTES, LEGEND,

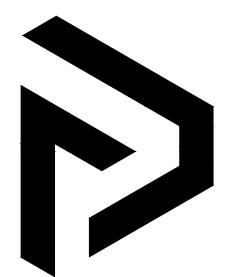
**SCHEDULES** 

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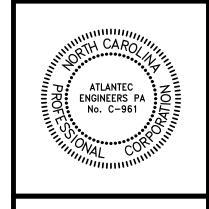


### MECHANICAL KEY NOTES

- ROUTE EXHAUST DUCT TO EXTERIOR, TERMINATE WITH WALL CAP.
- 2 ROUTE 80 OUTSIDE AIR DUCT TO ROOF, TERMINATE WITH ROOF CAP.
- ROUTE 6" OUTSIDE AIR DUCT TO ROOF, TERMINATE WITH ROOF CAP.
- DRYER VENT CALCULATION: 20'(VERT) 20' TEL, ROUTE 4" DRYER DUCT TO ROOF, TERMINATE WITH GOOSENECK VENT AND PROVIDE WITH BIRD SCREEN, CENTER DRYER BOX BEHIND APPLIANCE, BOTTOM OF DRYER BOX TO BE NO MORE THAN 2" A.F.F.



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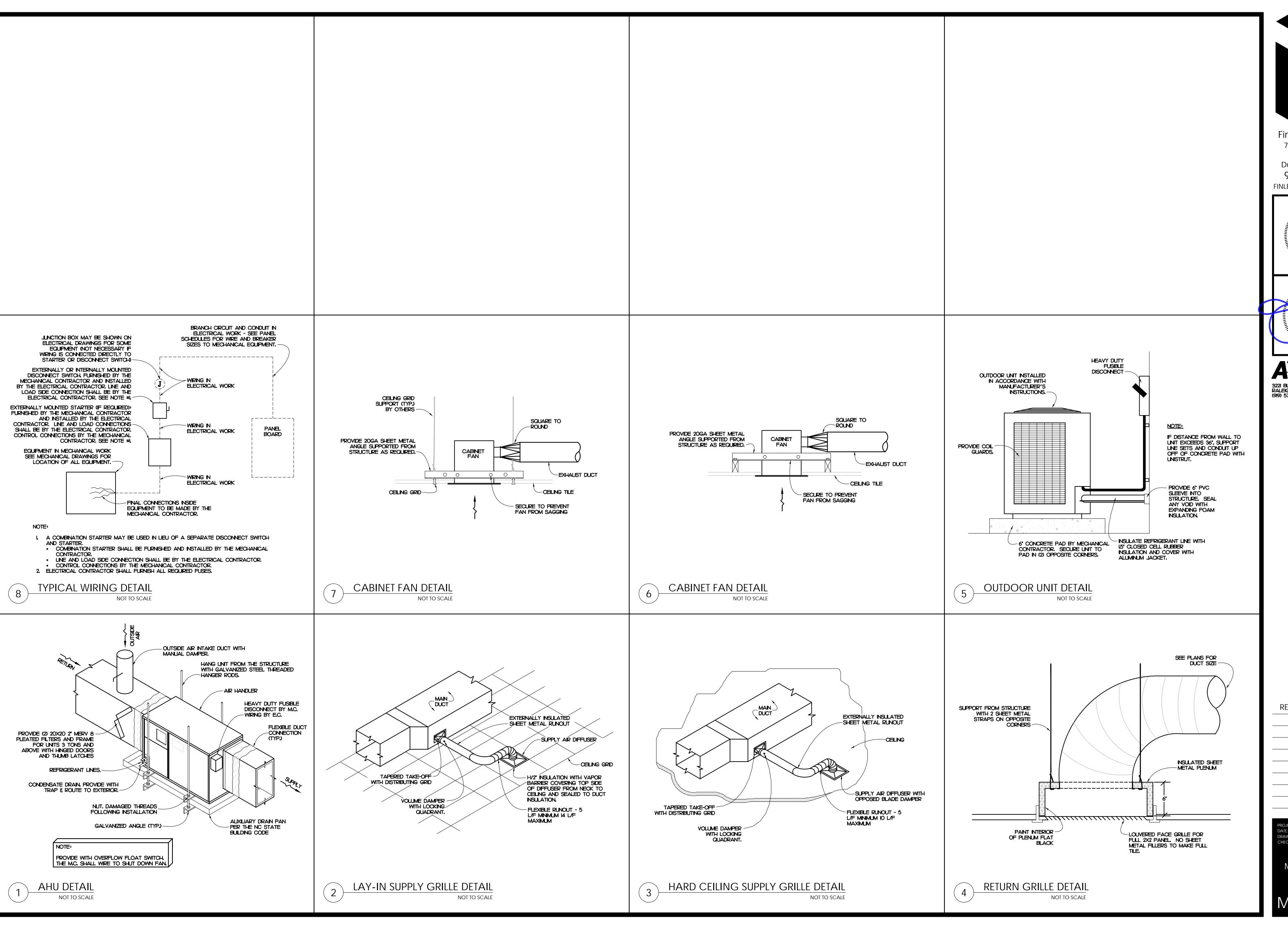
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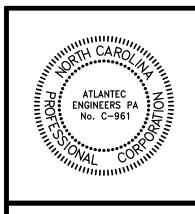
ANGIER MEDICAL COMPLEX
BUILDING 2
ANGIER, NC

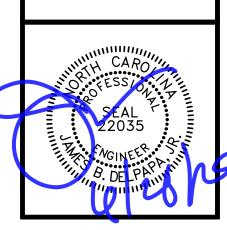
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> 0 BUILDING GIER

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DRAWN BY: CHECKED BY: **MECHANICAL DETAILS** M2.0

|                 | SYMBOL LEGEND  |  | GENERAL NOTES  |
|-----------------|--|--|--|
| SYMBOL          | DESCRIPTION  | <u>REMARKS</u>   | I. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO   |
|                 | 2 X 4 LAY-IN FIXTURE - LETTER DESIGNATES TYPE  | SEE FIXTURE SCHED,   | NOT SCALE THESE DRAWINGS.  2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES  |
| •               | 2 X 2 LAY-IN FIXTURE - LETTER DESIGNATES TYPE  | SEE FIXTURE SCHED,   | 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 SPA  |
| <b>├</b>        | LINEAR STRIP FIXTURE - LETTER DESIGNATES TYPE  | SEE FIXTURE SCHED,   | 3. USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARAGREN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS IN EACH CONDUIT.   |
| <del>+</del>    | RECESSED CAN LIGHT FIXTURE - LETTER DESIGNATES TYPE  | SEE FIXTURE SCHED.   | 4. ALL BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHAOR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.   |
| •               | PENDANT/SURFACE MOUNT FIXTURE - LETTER DESIGNATES TYPE   | SEE FIXTURE SCHED.   | 5. ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70).   |
| =               | EXTERIOR WALL LIGHT FIXTURE - LETTER DESIGNATES TYPE   | SEE FIXTURE SCHED.   | 6. EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL   |
| <u> </u>        | WALL SCONCE LIGHT FIXTURE - LETTER DESIGNATES TYPE   | SEE FIXTURE SCHED.   | THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUES OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.   |
| ★               | EMERGENCY WITH EXIT LIGHT - CONNECT UNSWITCHED   | SEE FIXTURE SCHED,   | 7. 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 WITHE ACTUAL EQUIPMENT, CASEWORK, AND MILLWORK TO BE FURNISHED.   |
| <b>₩</b>        | BATTERY BACKUP EMERGENCY LIGHT - CONNECT UNSWITCHED  | SEE FIXTURE SCHED,   | 8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES, AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS TO AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS. SEE DETAILS FOR CONNECTIONS   |
| <b>PG</b>       | PHOTOCELL, 105-305VAC, 50/60HZ, 1800VA BALLAST LOAD 1000W TUNGSTEN LOAD, 8A LED LOAD (UP TO 2220W @277V)   | TORK: ZSSI24   | TO EQUIPMENT PROVIDED BY MECHANICAL AND PLUMBING CONTRACTORS  9. PENETRATION:  |
| TC              | 2 CHANNEL DIGITAL TIME CLOCK, 2-20A 120VAC NO, CONTACTS,<br>7 DAY FORMAT, ASTRONOMIC/DAY LIGHT SAVING ADJUSTMENT,<br>7 DAY SCHEDULE POWER BACKUP, OPTION FOR PHOTOCELL CONTROL,  | TORK: DZS200BP   | 9. FEINE TRATION*  • WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILINGS, EXTERIOR WALLS, THE SHALL BE PROPERLY SEALED PER APPROVED UL METHODS.  • WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALEI  |
| INV             | EMERGENCY INVERTER FOR EXTERIOR LIGHTING   | EMERGILITE:<br>EMIU-125  | WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THET SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER, SUBMIT DETAIL OF PROPOSED SEALING METHODS.      IO. ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR.   |
| S               | SINGLE POLE TOGGLE SWITCH,<br>MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE,   | HUBBELL 1221-** WITH<br>NPJI COVER PLATE   | II. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.   |
| S <sub>3</sub>  | THREE WAY TOGGLE SWITCH. MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE.  | HUBBELL 1223-** WITH<br>NPJI COVER PLATE   | 12. THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS.   |
| S <sub>4</sub>  | FOUR WAY TOGGLE SWITCH. MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE.   | HUBBELL 1224-** WITH<br>NPJI COVER PLATE   | 13. AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.  14. THE CONTRACTOR SHALL VERIFY THE CEILING TYPES WITH THE GENERAL CONTRACTOR PRIOR TO THE  |
| S <sub>M2</sub> | WALL MOUNTED OCCUPANCY SENSOR SWITCH, DUAL TECHNOLOGIES, MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE, 800W/120VAC OR 1200W/277VAC  |  | PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR ALL FIXTURI ANY DIFFERENCES WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR.   |
| S <sub>MD</sub> | WALL MOUNTED 0-10V DIMMING SWITCH WITH OCCUPANCY SENSOR. DUAL TECHNOLOGIES 1000W/120VAC OR 1200W/277VAC MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE. PROVIDE SWITCHED WIRE AND 0-10V CONTROL WIRE TO FIXTURE AS REQUIRED.  |  | I5. ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER THHN/TH WIRE. ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75°C. ONLY THW WIRE SHALL BE INSTALLED IN WET AND EXTERIOR LOCATION.  16. MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 AWG.   |
| St              | 0-2 HOUR MECHANICAL TIME SWITCH. 120VAC, 1800W<br>MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE.   | INTERMATIC FF2H  | 17. ARMORED CABLE (TYPE AC) AND METAL-CLAD CABLE (TYPE MC) ARE ACCEPTABLE WIRING METHO SUBJECTED TO THE FOLLOWING RESTRICTIONS:  |
| φ               | SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE, MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED.   | HUBBELL HBL5362-**-TR<br>WITH NPJ8 COVER PLATE   | SEE NEC 320 AND 330 FOR RESTRICTION.     PENETRATIONS OF RATED WALLS SHALL BE IN ACCORDANCE WITH APPROVED UL PENETRATION METHODS.  |
| GFI <b>P</b>    | SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE MOUNT 16" A.F.F. UNLESS NOTED OTHERWISE.  | HUBBELL GFTRST20-** WITH<br>NPJ26 COVER PLATE  | <ul> <li>CABLE SHALL NOT BE USED FOR HOME RUN TO PANEL BOARD.</li> <li>CABLE SHALL ONLY BE INSTALLED IN CONCEALED SPACE AND FURRED AREAS. MAX. LENGTH OF EACH SECTION IN ACCESSIBLE CONCEALED CEILING SPACES. SHALL NOT EXCEED IO FT.</li> </ul>   |
| wP <b>P</b>     | SPECIFICATION GRADE TAMPER RESISTANT, WEATHER RESISTANT AND GFCI DUPLEX RECEPTACLE WITH IN-USE WEATHER PROOF COVER.  | HUBBELL GFTWRST20-**<br>WITH WP26M COVER PLATE   | WHERE REQUIRED BY NEC 517.13, CABLE SHALL BE LISTED FOR THE USE.  18. THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3). FEEDING CIRCUIT.   |
| EWC             | MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED.  SPECIFICATION GRADE DUPLEX RECEPTACLE FOR WATER COOLER.  MOUNT 24" A.F.F. FOR CONCEALMENT OF CORD.  FED FROM GFCI CIRCUIT BREAKER.   | HUBBELL HBL5362 WITH<br>NPJ8 COVER PLATE   | WITH SHARED NEUTRAL SHALL BE SWITCHED TOGETHER.  19. WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY ARE SEPARATED BY A MINIMUM OF 24".  |
| $\P$            | SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE, MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED.   | HUBBELL HBL5362-**-TR<br>WITH NPJ8 COVER PLATE   | 20. ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS.  21. ALL PANELS SHALL BE THREE PHASE, FOUR WIRE UNLESS OTHERWISE NOTED.   |
| •               | FED FROM GFCI CIRCUIT BREAKER,  SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE MOUNT 4" ABOVE COUNTER/BACKSPLASH,  | HUBBELL HBL5362-**-TR<br>WITH NPJ8 COVER PLATE   | 22. 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.   |
| GFI <b>P</b>    | SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE, MOUNT 4* ABOVE COUNTER/BACKSPLASH,   | HUBBELL GFTRST20-** WITH NPJ26 COVER PLATE   | 23. FOR ALL RECEPTACLES LOCATED ABOVE COUNTER TOP, MOUNTING HEIGHT SHALL COMPLY WITH A AII7.I, SECTION 308. E.C. SHALL FIELD VERIFY CASEWORK DETAIL WITH ARCHITECT PRIOR TO ROUGH  |
| ₩               | SPECIFICATION GRADE QUAD TAMPER RESISTANT RECEPTACLE MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED.  | HUBBELL (2) HBL5362-**-TR<br>WITH NPJ82 COVER PLATE  | 24. ELECTRICAL IDENTIFICATION  • FURNISH AND INSTALL ENGRAVED LAMINATED PHENOLIC NAMEPLATES FOR ALL SAFETY SWITCHES  |
| '××'            | POWER RECEPTACLE WITH GROUND, 'XX' DESIGNATES TYPE OR RATING, FIELD VERIFY NUMBER OF POLE AND NEUTRAL MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED.   | HUBBELL TO MATCH<br>EQUIPMENT  | 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.  |
|                 | 2 GANG ROUND RECESSED CONCRETE FLOOR BOX WITH FLAP COVER. I GANG WITH DUPLEX TAMPER RESISTANT RECEPTACLE. I GANG FOR COMMUNICATION OUTLETS BY OTHERS. I" HUB FOR POWER, I 1/2" HUB FOR DATA. PROVIDE COVER TO MATCH FLOOR TYPE PER ARCHITECT INSTRUCTION. CUT AND PATCH FLOOR AS REQUIRED. | HUBBELL SYSTEM ONE<br>CFB4630 BOX WITH<br>24GCCVRBKC COVER<br>PROVIDE WITH ALL<br>MOUNTING ACCESSORIES | <ul> <li>25. THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE INSTALLATION OF THE NEW UNDERGROUND ELECTRICAL SERVICE WITH THE LOCAL UTILITY. THE OWNER SHALL PAY ALL CHARGE FOR THE INSTALLATION OF THE NEW UNDERGROUND UTILITY SERVICE.</li> <li>26. THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE LOCATION OF HIS TELEPHONE CONDUSTING OUTS WITH THE LOCAL TELEPHONE COMPANY PRIOR TO HIS INSTALLING ANY CONDUITS.</li> </ul> |
| USB <b>P</b>    | SPECIFICATION GRADE TAMPER RESISTANT DUPLEX RECEPTACLE WITH (1) TYPE A AND (1) TYPE C USB PORTS, 5A 5V USB OUTPUT, RECEPTACLE - MOUNT 16" A.F.F. UNLESS NOTED OTHERWISE.   | HUBBELL USB2OAC-** WITH<br>NPJ26 COVER PLATE   | 27. G.C. TO USE ARCHITECT'S LIGHT FIXTURE SELECTIONS IF THEY DO NOT MATCH SPECIFICATIONS IN TI<br>DOCUMENT.  |
|                 | CEILING PANEL CABINET FAN.<br>FURNISHED AND INSTALLED BY M.C., WIRED BY E.C.   | SEE MECH, PLAN,  |  |
| (J)             | JUNCTION BOX SIZED PER N.E.C.  |  |  |
| ㅁ               | DISCONNECT SWITCH SEE PLANS FOR SIZE AND TYPE  | SQUARE D HEAVY DUTY  |  |
|                 | DISCONNECT PROVIDED BY M.C., FINAL CONNECTIONS BY E.C.   | SEE MECHANICAL<br>PLAN   |  |
|                 | NEW CONCEALED WIRING   | PER N.E.C.   |  |
|                 | UNSWITCHED LIGHTING CONDUCTOR  | PER N.E.C.   |  |
|                 | HOME RUN TO PANEL BOARD<br>NUMBERS OF ARROW INDICATE CIRCUITS  | PER N.E.C.   |  |
| ω               | 120/208V 30, 4W PANEL BOARD - SEE PANEL SCHEDULES  | SQUARE D NQ/QO   |  |
| <u> </u>        | UTILITY METER BASE   | SEE POWER RISER  |  |
| ▼<br>TCBB       | COMMUNICATION OUTLET - MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED STUB 3/4" CONDUIT TO ACCESSIBLE CEILING OR ATTIC SPACE. OUTLET, COVER PLATE AND WIRING BY OTHERS.  COMMUNICATION BACKBOARD: 24" x 24" x 3/4" THICK FIREPROOFED PLYBOARD N   | SINGLE GANG BOX<br>HUBBELL NPJI3 COVER<br>PLATE<br>MOUNTED TO WALL                                     |  |
| CAM Þ           | PROVIDE GROUND BAR AND CONNECT 1-#6 AWG GROUND IN 1/2" C. TO PANEL EXTERIOR JUNCTION BOX FOR FUTURE SECURITY CAMERA  | PER NEC  |  |
| ·               | COORDINATE REQUIREMENTS WITH SECURITY CONSULTANT<br>STUB 3/4" CONDUIT TO BUILDING INTERIOR   |  |  |
| 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

- 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 BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL
- 5. ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70).
- 6. 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.
- 7. 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.
- 8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES, AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS TO AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS. <u>SEE DETAILS FOR CONNECTION TO EQUIPMENT PROVIDED BY MECHANICAL AND PLUMBING CONTRACTORS</u>
- 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.
- IO, ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR.
- II. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
- 12. THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS.
- 13. AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- 14. THE CONTRACTOR SHALL VERIFY THE CEILING TYPES WITH THE GENERAL CONTRACTOR PRIOR TO THE PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR ALL FIXTURES. ANY DIFFERENCES WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- 15. 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.
- 16. MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 AWG.
- 17. 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 IO FT.

  WHERE REQUIRED BY NEC 517.13, CABLE SHALL BE LISTED FOR THE USE.
- 18. THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3), FEEDING CIRCUITS WITH SHARED NEUTRAL SHALL BE SWITCHED TOGETHER.
- 19. WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY
- ARE SEPARATED BY A MINIMUM OF 24".
- 20. ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS,
- 21. ALL PANELS SHALL BE THREE PHASE, FOUR WIRE UNLESS OTHERWISE NOTED.
- WHEN OUTLETS ARE INDICATED ON THESE WALLS, FIELD COORDINATE CONDUIT AND BOX INSTALLATION.
- 23. FOR ALL RECEPTACLES LOCATED ABOVE COUNTER TOP, MOUNTING HEIGHT SHALL COMPLY WITH ANSI AII7.I, SECTION 308. E.C. SHALL FIELD VERIFY CASEWORK DETAIL WITH ARCHITECT PRIOR TO ROUGH-IN.
- 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.
- 25. 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.
- 26. THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE LOCATION OF HIS TELEPHONE CONDUIT STUB OUTS WITH THE LOCAL TELEPHONE COMPANY PRIOR TO HIS INSTALLING ANY CONDUITS.
- 27. G.C. TO USE ARCHITECT'S LIGHT FIXTURE SELECTIONS IF THEY DO NOT MATCH SPECIFICATIONS IN THIS DOCUMENT.

### 2018 NORTH CAROLINA **ENERGY CODE**

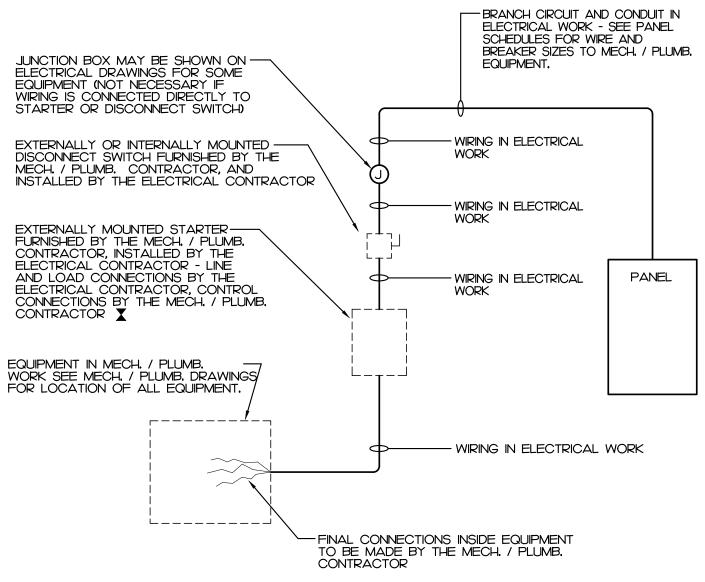
ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE: PRESCRIPTIVE LIGHTING SCHEDULE: LAMP TYPE REQUIRED: FLUORESCENT T8/ LED CFL INCAN NUMBER OF LAMPS: N/A N/A SEE N/A BALLAST TYPE USED: N/A N/A N/A FIXTURE NUMBER OF BALLASTS: N/A N/A SCHEDULE N/A TOTAL WATTAGE N/A N/A PER FIXTURE:

|                  | SPECIFIED | ALLOWED BY CODE |
|------------------|-----------|-----------------|
| INTERIOR WATTAGE |           |                 |
| MEDICAL          |           | 4144            |
| TOTAL            | 3686      | 3730 **         |
| EXTERIOR WATTAGE | ZONE 3    |                 |
| ALLOWANCE        | 362       | 750             |

### NOTES:

- \*\* PER SECTION C406.3, THE WHOLE AREA ALLOWED BY CODE IS REQUIRED TO BE 10% LOWER THAN THOSE CALCULATED PER SECTION C405.4.2. VALUE CALCULATE PER SECTION C405.4.2: 4/144 WATTS
  VALUE PER SECTION C406.3: 3730 WATTS
- 2. ALL EXTERIOR LIGHTS:• CONTROLLED BY PHOTOCELL THAT WILL NOT INTENDED TO BE ON FOR 24 HOUR OPERATION.

O 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.



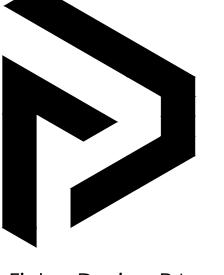
### NOTES:

I. X A COMBINATION STARTER MAY BE USED IN LIEU OF A A SEPARATE DISCONNECT SWITCH AND STARTER 2. E.C. SHALL FURNISH ALL REQUIRED FUSES.

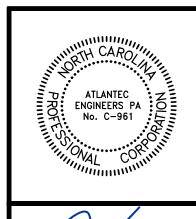
WIRING TO MECHANICAL AND PLUMBING EQUIPMENT NOT TO SCALE

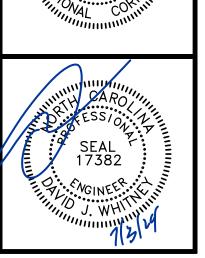
|      | LIGHT FI  | XTURE SCHEDUL  | _E   |   |
|------|---|--|--|---|
| TYPE | DESCRIPTION   | CATALOG  | ELECTRICAL DATA  | NOTES   |
| А    | 2X4 LED DIRECT/INDIRECT FIXTURE<br>4000 LUMEN                         | LITHONIA:<br>2AVL4-4OLSE-MDR-EZI-LP835                   | 4000 LUMEN LED, 3500K<br>0-IOV ELECTRONIC DIMMING DRIVER<br>47 WATTS - 52 VA, I20-277V |   |
| В    | 2X2 LED DIRECT/INDIRECT FIXTURE<br>3000 LUMEN                         | LITHONIA:<br>2AVL2-3OLSE-MDR-EZI-LP835                   | 3000 LUMEN LED, 3500K<br>0-IOV ELECTRONIC DIMMING DRIVER<br>34 WATTS - 38 VA, I20-277V |   |
| С    | 2X4 LED FLAT PANEL FIXTURE<br>4000 LUMEN                              | LITHONIA:<br>CPANL-2X4-ALO6-SWW7-M2                      | 4000 LUMEN LED, 3500K<br>0-IOV ELECTRONIC DIMMING DRIVER<br>45 WATTS - 50 VA, I20-277V |   |
| D    | 4" RECESSED CAN LIGHT<br>2495 LUMEN                                   | WAC LIGHTING:<br>R4FRDT-930-3000K-90-WT                  | 2495 LUMEN LED, 3000K<br>ELECTRONIC DRIVER<br>25 WATTS - 27 VA, I20-277V               |   |
| F    | LED PENDANT LIGHT   | WAC LIGHTING:<br>DS-PD06-N30-*                           | 3600 LUMEN LED, 3000K<br>ELECTRONIC DRIVER<br>35 WATTS - 39 VA, I20-277V               |   |
| G    | SURFACE MOUNT DISC  | WAC LIGHTING:<br>FM-15RN-930-WT                          | 2250 LUMEN LED, 3000K<br>ELECTRONIC DRIVER<br>28 WATTS - 32 VA, I20V                   |   |
| Н    | 4' LED STRIP LIGHT  | LITHONIA:<br>CLX-L48-4000LM-SEF-MVOLT-GZIO<br>-35K-80CRI | 4000 LUMEN LED, 3500K<br>0-IOV ELECTRONIC DIMMING DRIVER<br>36 WATTS - 40 VA, I20-277V |   |
| J    | 6" RECESSED CAN LIGHT<br>1500 LUMEN                                   | LITHONIA:<br>LDN6-35/15-LO6AR-*-*-MVOLT                  | 1500 LUMEN LED, 3500K<br>0-IOV ELECTRONIC DIMMING DRIVER<br>18 WATTS - 20 VA, 120-277V |   |
| JE   | 6" RECESSED CAN LIGHT<br>1500 LUMEN<br>WITH EMERGENCY INVERTER BACKUP | LITHONIA:<br>LDN6-35/15-LO6AR-*-*-MVOLT                  | 1500 LUMEN LED, 3500K<br>0-10V ELECTRONIC DIMMING DRIVER<br>18 WATTS - 20 VA, 120-277V | FIXTURE TO SERVE AS EMERGENCY EXTERIOR LIGHTING, CONNECT INVERTER CONTROL AHEAD OF PHOTOCELL CONTROL. |
| К    | EXTERIOR WALL MOUNT FIXTURE   | WAC LIGHTING:<br>WS-W36614-AL                            | II40 LUMEN LED, 3000K<br>ELECTRONIC DRIVER<br>21 WATTS - 23 VA, I20-277V               |   |
| KE   | EXTERIOR WALL MOUNT FIXTURE WITH EMERGENCY INVERTER BACKUP            | WAC LIGHTING:<br>WS-W36614-AL                            | II40 LUMEN LED, 3000K<br>ELECTRONIC DRIVER<br>21 WATTS - 23 VA, I20-277V               | FIXTURE TO SERVE AS EMERGENCY EXTERIOR LIGHTING, CONNECT INVERTER CONTROL AHEAD OF PHOTOCELL CONTROL. |
| EG   | EMERGENCY LIGHT   | LITHONIA:<br>ELM2L-SDRT                                  | 2 WATTS - 2 VA, I2O/277V   |   |
| EGX  | EMERGENCY WITH EXIT LIGHT I SIDE RED LETTER                           | LITHONIA:<br>LHQM-SD                                     | 5 WATTS - 5 VA, I2O-277V   |   |
| EH   | EXTERIOR EMERGENCY LIGHT<br>LISTED FOR WET LOCATION                   | LITHONIA:<br>AFF-OEL-*-FCT                               | II WATTS - I2 VA, I2O/277V   |   |

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



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**A**TLANTEC ENGINEERS, PA 3221 BLUE RIDGE ROAD, SUITE 113

(919) 571-111

RALEIGH, NC 27612

AL **MEDIC** NGIER

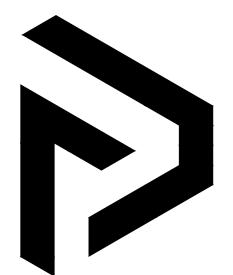
**REVISIONS** 

**CHECKED BY:** SYMBOL LEGEND GENERAL NOTES, **DETAILS** 

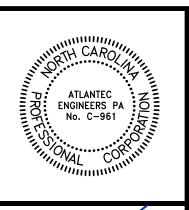
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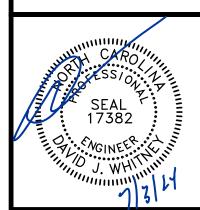
### MEDICAL FACILITY NOTES:

- I. FACILITY DESIGN IS FOR A DOCTOR OFFICE, GENERAL PRACTITIONER. DESIGN IS NOT FOR A HOSPITAL, NURSING HOME OR AMBULATORY CARE FACILITY. NO SPECIAL POWER SYSTEMS HAVE BEEN DESIGNED FOR PATIENT LIFE SAFETY.
- 2. PER NEC 517.33, THERE IS NOT A REQUIREMENT FOR A CRITICAL POWER BRANCH IN THIS FACILITY.
- 3. WIRING IN ALL EXAM ROOMS AND PATIENT CARE AREAS SHALL COMPLY WITH NEC 517.13.
- 4. NO INVASIVE PROCEDURES OR PROCEDURES THAT IF INTERRUPTED SHOULD THREATEN A PATIENTS LIFE ARE PERFORMED.
- 6. THERE ARE NO OVERNIGHT STAYS IN ANY BEDROOMS THIS FACILITY.
- 7. INHALATION ANESTHESIAS ARE NOT ADMINISTRATED.



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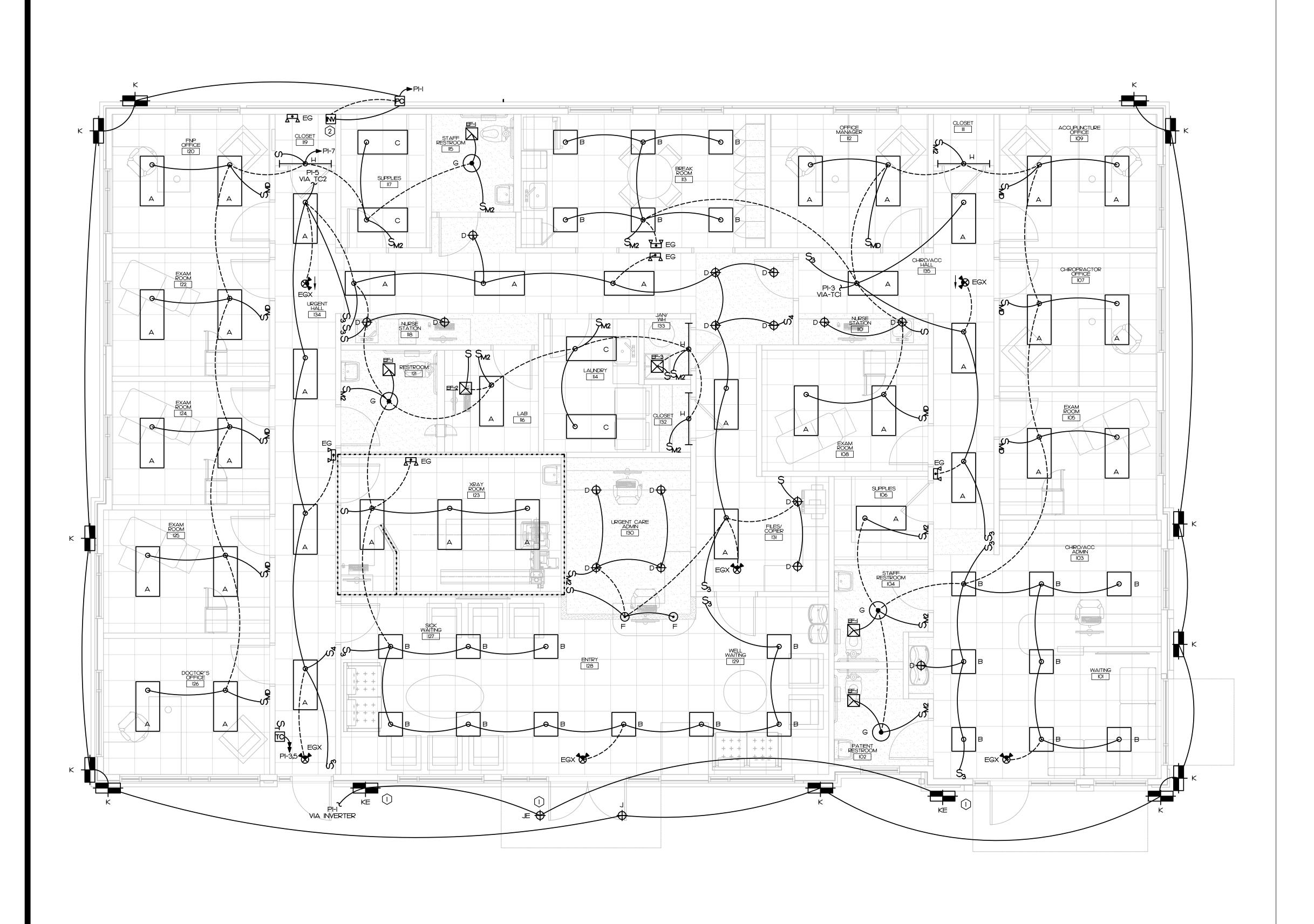
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RALEIGH, NC 27612
(919) 571-1111 24074

ANGIER MEDICAL COMPLEX
BUILDING 2

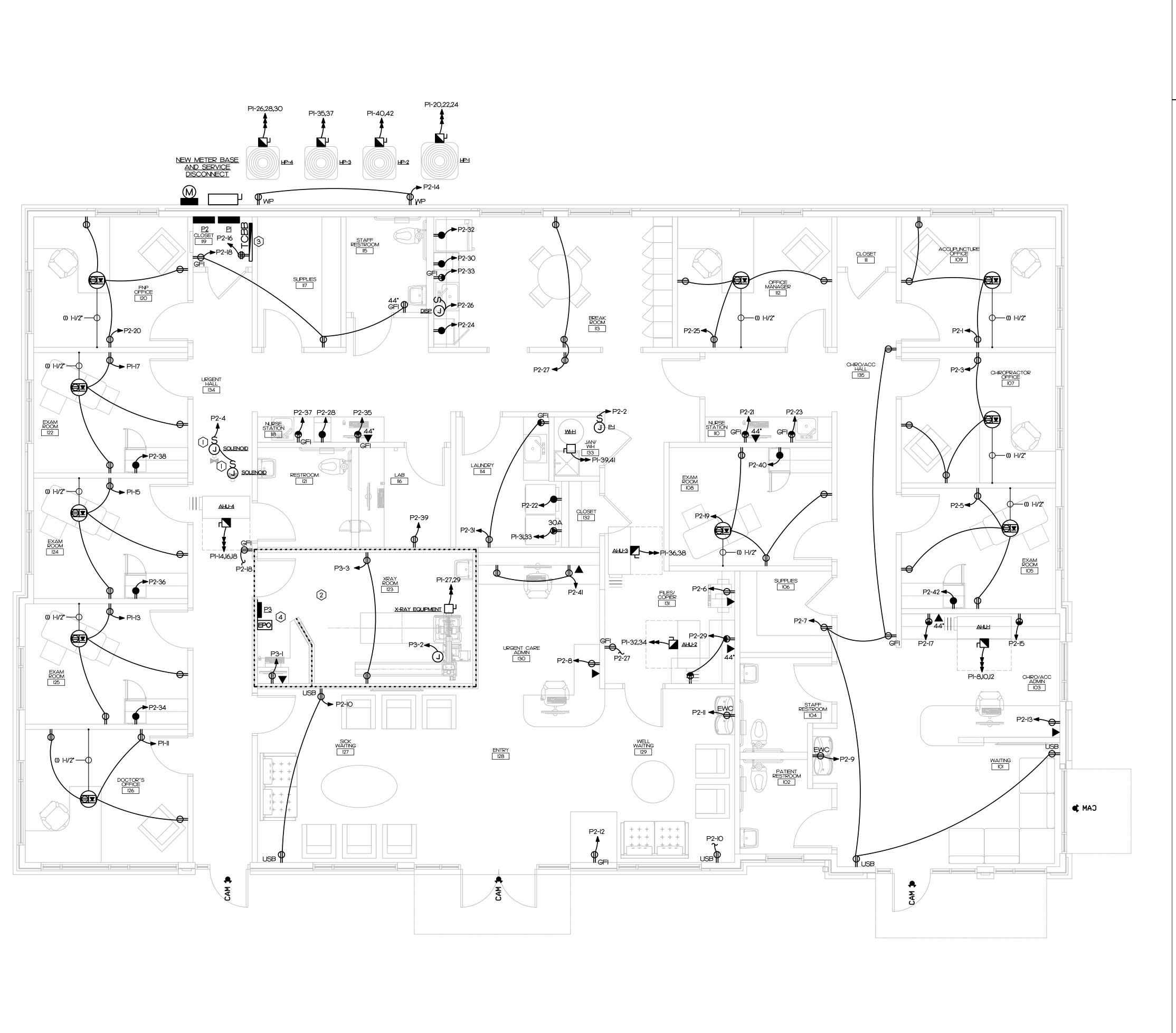
REVISIONS





LIGHTING PLAN

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



### POWER KEY NOTES

- POWER FOR SOLENOID VALVE. FIELD COORDINATE LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN
- POWER FOR X-RAY EQUIPMENT. THIS IS BASED OFF INFORMATION RECEIVED FROM THE OWNER. COORDINATE LOCATION OF X-RAY EQUIPMENT AND X-RAY REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN
- OMMUNICATION BOARD.

   STUB 2-2" EMPTY CONDUITS TO PROPERTY LINE PER
  TELEPHONE COMPANY. PROVIDE WITH PULLWIRE.

   PROVIDE GROUND BAR AND I-#6G CU IN 1/2" TO PANEL.

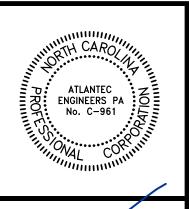
   MOUNT RECEPTACLE ON BOARD TO ACCOMODATE EQUIPMENT.
- PROVIDE SURFACE MOUNTED LOAD CENTER AND MUSHROOM TYPE EPO BUTTON TO TRIP THE X-RAY SHUNT TRIP BREAKER, FIELD COORDINATE ALL REQUIREMENTS, CONTRACTOR MAY NEED TO VISIT THE EXISTING LOCATION TO SURVEY THE EXISTING UNIT AND WIRING

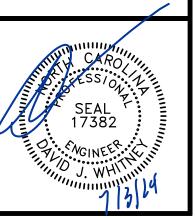
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- 3. WIRING IN ALL EXAM ROOMS AND PATIENT CARE AREAS SHALL COMPLY WITH NEC 517.13.
- 4. NO INVASIVE PROCEDURES OR PROCEDURES THAT IF INTERRUPTED SHOULD THREATEN A PATIENTS LIFE ARE PERFORMED.
- 6. THERE ARE NO OVERNIGHT STAYS IN ANY BEDROOMS THIS FACILITY.

7. INHALATION ANESTHESIAS ARE NOT ADMINISTRATED.

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ANGIER MEDICAL COMPLES
BUILDING 2

REVISIONS

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

POWER PLAN

E1.1

1 POWER PLAN

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

### **KEY NOTES**

- NEW I20/208V, 30, 4W UNDERGROUND SERVICE CONDUCTORS:

  (2) SETS OF (4) #3/0 IN 2" CONDUITS

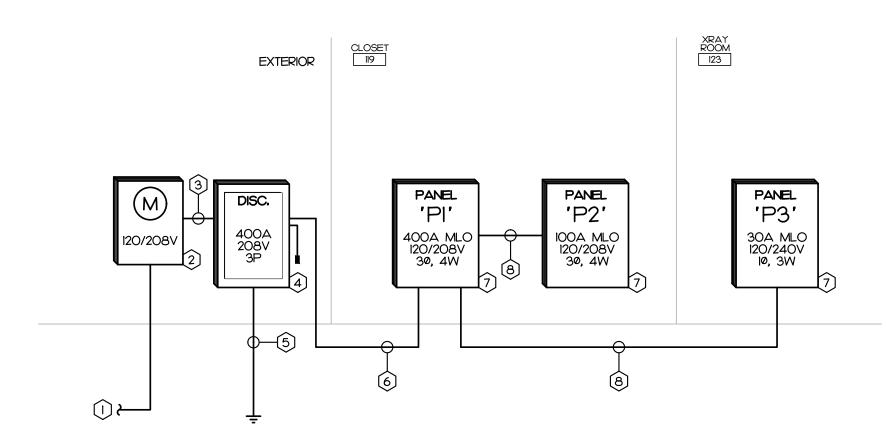
  E.C. TO PROVIDE A PRICE PER FOOT.

  IF LOCAL UTILITY PROVIDES UNDERGROUND SERVICE CONDUCTORS, E.C. TO PROVIDE OWNER WITH A CREDIT
- (2) NEW METER BASE ACCORDING TO LOCAL UTILITY
- 3 NEW SERVICE ENTRANCE CONDUTORS:
   (2) SETS OF (4) #3/0 IN 2" CONDUITS
- PROVIDE A 400A, 208 VOLT, 3-POLE, NEMA 3R FUSED SERVICE RATED DISCONNECT. FUSE AT 400 AMPS WITH MINIMUM IOOKAIC RATED CURRENT LIMITING FUSES, E.C. SHALL FIELD VERIFY AVAILABLE MAXIMUM FAULT CURRENT WITH UTILITY AND PROVIDE LABEL INDICATING THE CURRENT ON DISCONNECT PER NEC 110,24(A).
- NEW GROUNDING ELECTRODE CONDUCTORS PER NEC 250:

   (I) #2G IN 1/2" CONDUIT TO BUILDING STEEL, C.W. MAIN IF AVAILABLE

   (I) #6G IN 1/2" CONDUIT TO 2 DRIVEN RODS

   (I) #4G IN 1/2" CONDUIT TO REINFORCED STEEL AT CONCRETE FOOTING IF AVAILABLE
- 6 NEW FEEDER:
   (2) SETS OF (4) #3/0, (1) #3G IN 2" CONDUITS
- (7) NEW PANELBOARD, SEE PANEL SCHEDULE FOR DETAILS
- 8 NEW FEEDER, SEE PANEL SCHEDULE FOR DETAILS





**POWER RISER** 

NOT TO SCALE

| CKT [           | DESCRIPTION | 7        | KVA    | С      | G      | W     | СВ     | CKT     | CKT     | СВ    | W   | G     | С     | KVA        |           | DESCRIPTION |         | CK.           |
|-----------------|-------------|----------|--------|--------|--------|-------|--------|---------|---------|-------|-----|-------|-------|------------|-----------|-------------|---------|---------------|
| I LIGHTS EXT    |             |          | 0.4    | 1/2    | 12     | 12    | 20     | 1       | 2       | 100   | 3   | 8     | 1 1/4 | 8,2        |           |             | PANEL P |               |
| 3 LIGHTS IOI-II |             |          | 1.6    | 1/2    | 12     | 12    | 20     | 3       | 4       | 3P    | 3   |       |       | 9.1        |           |             |         | 4             |
| 5 LIGHTS II4-II | 8, 127-133  |          | 1.9    | 1/2    | 12     | 12    | 20     | 5       | 6       |       | 3   |       |       | 10.2       |           |             |         | 6             |
| 7 LIGHTS 119-12 | 26          |          | 0.7    | 1/2    | 12     | 12    | 20     | 7       | 8       | 45    | 8   | 10    | 1     | 4.3        |           |             | AHU     | J-I 8         |
| 9 REC 123       |             |          | 0.2    | 1/2    | 12     | 12    | 20     | 9       | 10      | 3P    | 8   |       |       | 4.3        |           |             |         | IC            |
| II REC 126      |             |          | 0.7    | 1/2    | 12     | 12    | 20     | 11      | 12      |       | 8   |       |       | 4.3        |           |             |         | 12            |
| 13 REC 125      |             |          | 0.7    | 1/2    | 12     | 12    | 20     | 13      | 14      | 30    | 10  | 10    | 3/4   | 2.9        |           |             | AHU-    | 4 14          |
| 15 REC 124      |             |          | 0.7    | 1/2    | 12     | 12    | 20     | 15      | 16      | 3P    | 10  |       |       | 2.9        |           |             |         | 16            |
| 17 REC 122      |             |          | 0.7    | 1/2    | 12     | 12    | 20     | 17      | 18      |       | 10  |       |       | 2.9        |           |             |         | I8            |
| 19 SPARE        |             |          | 0.0    |        |        |       | 20     | 19      | 20      | 30    | 10  | 10    | 3/4   | 1.8        |           |             | HP      | )-I <u>20</u> |
| 2I SPARE        |             |          | 0.0    |        |        |       | 20     | 21      | 22      | 3P    | 10  |       |       | 1.8        |           |             |         | 22            |
| 23 PANEL P3     |             |          | 1.2    | 3/4    | 10     | 10    | 30     | 23      | 24      |       | 10  |       |       | 1.8        |           |             |         | 24            |
| 25              |             |          | 0.5    |        |        | 10    | 2P     | 25      | 26      | 20    | 12  | 12    | 1/2   | 1.3        |           |             | HP-     |               |
| 27 X-RAY POW    | VER         | NOTE 3   | 9.6    | 11/4   | 6      | 1/0   | 100    | 27      | 28      | 3P    | 12  |       |       | 1.3        |           |             |         | 28            |
| 29              |             |          | 9.6    |        |        | 1/0   | 2P     | 29      | 30      |       | 12  |       |       | 1.3        |           |             |         | 30            |
| 31 DRYER        |             | NOTE 2   | 2.5    | 3/4    | 10     | 10    | 30     | 31      | 32      | 40    | 8   | 10    | 1     | 3.7        |           |             | AHU-    |               |
| 33              |             |          | 2.5    |        |        | 10    | 2P     | 33      | 34      | 2P    | 8   |       |       | 3.7        |           |             |         | 34            |
| 35 HP-3         |             |          | 1.5    | 3/4    | 10     | 10    | 25     | 35      | 36      | 40    | 8   | 10    | 1     | 3.7        |           |             | AHU-    |               |
| 37              |             |          | 1.5    |        |        | 10    | 2P     | 37      | 38      | 2P    | 8   |       |       | 3.7        |           |             |         | 38            |
| 39 WH-1         |             |          | 2.3    | 3/4    | 10     | 10    | 30     | 39      | 40      | 25    | 10  | 10    | 3/4   | 1.3        |           |             | HP-     | -             |
| 41              |             |          | 2.3    |        |        | 10    | 2P     | 41      | 42      | 2P    | 10  |       |       | 1.3        |           |             |         | 42            |
| DESCRIPTION     | CONNECTED   | DEMAND   | DEMAND | 1      | 400    | Δ MIN | IMI IM | BUS SIZ | 7F      |       |     |       |       | SURFACE M  | MOLINTING |             |         |               |
| 2200111111111   | KVA         | FACTOR   | KVA    |        | MAIN   |       |        |         |         |       |     |       |       | NEMA I ENC |           |             |         |               |
| CONT, LOAD      | 4.25        | 125%     | 5.31   |        |        |       |        | C RATIN | 1G      |       |     |       |       | GROUND BA  |           |             |         |               |
| RECEPTACLE      | 10.44       | 100%/50% | 10.22  |        |        |       |        |         |         |       |     |       |       |            |           |             |         |               |
| MTRS/COOLS      | 24.84       | 100%     | 24.84  |        |        |       |        |         |         |       |     |       |       |            |           |             |         |               |
| -EATS           | 29.60       | 100%     | 29.60  |        |        |       |        |         |         |       |     |       |       |            |           |             |         |               |
| NATER HEATER    | 4.50        | 100%     | 4.50   | NOTE   | S      |       |        |         |         |       |     |       |       |            |           | CONNECTED   | LOADS   |               |
| EQUIPMENT       | 41.20       | 100%     | 41.20  | ]ı. sc | UARE   | D: N  | Q      |         |         |       |     |       |       |            |           | PHASE A:    |         | .5 KV         |
| KITCHEN EQUIP.  | 0.00        | 65%      | 0.00   | 2. E.  | с. то  | PROV  | IDE G  | FCI BRE | EAKER   |       |     |       |       |            |           | PHASE B:    | 41.     | .2 KV         |
| SPECIAL EQ.     | 0.00        | 100%     | 0.00   | 3. E.  | с. то  | PROV  | /IDE S | HUNT T  | RIP BRE | EAKER | CON | INECT | POWE  | R FOR SHL  | NT FROM   | PHASE C:    | 42      | 2.I KV        |
| 25% OF LARGES   | T HVAC/MO   | TOR      | 3.23   | CIRCL  | JIT P3 | -4    |        |         |         |       |     |       |       |            |           | TOTAL:      | 114.    | 8 KV          |
| TOTAL DEMAND    |             |          | 118.90 | 5.     |        |       |        |         |         |       |     |       |       |            |           | DEMAND      | 330     | MA C          |

| CKT D           | ESCRIPTION | V        | KVA    | С      | G      | W       | СВ     | CKT     | CKT    | СВ | W  | G  | С   | KVA      |          | DESCRIPTION CK    |
|-----------------|------------|----------|--------|--------|--------|---------|--------|---------|--------|----|----|----|-----|----------|----------|-------------------|
| 1 REC 109       |            |          | 0.7    | 1/2    | 12     | 12      | 20     | 1       | 2      | 20 | 12 | 12 | 1/2 | 0.5      |          | RECIRC PUMP 2     |
| 3 REC 107       |            |          | 0.7    | 1/2    | 12     | 12      | 20     | 3       | 4      | 20 | 12 | 12 | 1/2 | I.O      |          | SOLENOID VALVES 4 |
| 5 REC 105       |            |          | 0.7    | 1/2    | 12     | 12      | 20     | 5       | 6      | 20 | 12 | 12 | 1/2 | I.O      |          | PRINTER 6         |
| 7 REC 101, 106  |            |          | 0.7    | 1/2    | 12     | 12      | 20     | 7       | 8      | 20 | 12 | 12 | 1/2 | 0.2      |          | REC 130 8         |
| 9 REC EWC       |            | NOTE 2   | 1.0    | 1/2    | 12     | 12      | 20     | 9       | 10     | 20 | 12 | 12 | 1/2 | 0.5      |          | REC 127, 129 10   |
| II REC EWC      |            | NOTE 2   | 1.0    | 1/2    | 12     | 12      | 20     | 11      | 12     | 20 | 12 | 12 | 1/2 | 1.5      |          | REC 129 12        |
| 13 REC 103      |            |          | 0.2    | 1/2    | 12     | 12      | 20     | 13      | 14     | 20 |    |    |     | 0.0      |          | SPARE 14          |
| 15 REC 103      |            |          | 0.2    | 1/2    | 12     | 12      | 20     | 15      | 16     | 20 | 12 | 12 | 1/2 | 0.4      |          | REC TCBB 16       |
| 17 REC 103      |            |          | 0.2    | 1/2    | 12     | 12      | 20     | 17      | 18     | 20 | 12 | 12 | 1/2 | 0.7      |          | REC 115-119 18    |
| 19 REC 108      |            |          | 0.7    | 1/2    | 12     | 12      | 20     | 19      | 20     | 20 | 12 | 12 | 1/2 | 0.7      |          | REC 120 20        |
| 21 REC 110      |            |          | 0.2    | 1/2    | 12     | 12      | 20     | 21      | 22     | 20 | 12 | 12 | 1/2 | 1.0      | NOTE 2   | WASHER 2          |
| 23 REC IIO      |            |          | 0.2    | 1/2    | 12     | 12      | 20     | 23      | 24     | 20 | 12 | 12 | 1/2 | I.O      | NOTE 2   | MICROWAVE 24      |
| 25 REC 112      |            |          | 0.7    | 1/2    | 12     | 12      | 20     | 25      | 26     | 20 | 12 | 12 | 1/2 | I.O      | NOTE 2   | DISPOSAL 20       |
| 27 REC 113, 134 |            |          | 0.7    | 1/2    | 12     | 12      | 20     | 27      | 28     | 20 | 12 | 12 | 1/2 | I.O      | NOTE 2   | ICE MACHINE 28    |
| 29 REC 131      |            |          | 0.4    | 1/2    | 12     | 12      | 20     | 29      | 30     | 20 | 12 | 12 | 1/2 | 1.0      | NOTE 2   | ICE MACHINE 30    |
| 3I REC II4      |            |          | 0.4    | 1/2    | 12     | 12      | 20     | 31      | 32     | 20 | 12 | 12 | 1/2 | 1.0      | NOTE 2   | REF 113 3:        |
| 33 REC 113      |            |          | 0.2    | 1/2    | 12     | 12      | 20     | 33      | 34     | 20 | 12 | 12 | 1/2 | I.O      | NOTE 2   | REF 125 3         |
| 35 REC II8      |            |          | 0.2    | 1/2    | 12     | 12      | 20     | 35      | 36     | 20 | 12 | 12 | 1/2 | 1.0      | NOTE 2   | REF 124 3         |
| 37 REC II8      |            |          | 0.2    | 1/2    | 12     | 12      | 20     | 37      | 38     | 20 | 12 | 12 | 1/2 | 1.0      | NOTE 2   | REF 122 38        |
| 39 REC 116      |            |          | 0.2    | 1/2    | 12     | 12      | 20     | 39      | 40     | 20 | 12 | 12 | 1/2 | 1.0      | NOTE 2   | REF 1018 4        |
| 41 REC 130      |            |          | 0.4    | 1/2    | 12     | 12      | 20     | 41      | 42     | 20 | 12 | 12 | 1/2 | 1.0      | NOTE 2   | REF 105 4         |
| DESCRIPTION (   | CONNECTED  | DEMAND   | DEMAND | 1      | 100 A  | A MININ | ИЦМ Е  | BUS SIZ | ZE     |    |    |    |     | SURFACE  | MOUNTING |                   |
|                 | KVA        | FACTOR   | KVA    |        | MAIN   | LUGS    | ONLY   |         |        |    |    |    |     | NEMA I E | NCLOSURE |                   |
| CONT. LOAD      | 0.00       | 125%     | 0.00   |        | 10 K I | MINIML  | JM AK  | CRAT    | NG     |    |    |    |     | GROUND I | BAR      |                   |
| RECEPTACLE      | 10.44      | 100%/50% | IO.22  |        |        |         |        |         |        |    |    |    |     |          |          |                   |
| ATRS/COOLS      | 0.00       | 100%     | 0.00   |        |        |         |        |         |        |    |    |    |     |          |          |                   |
| EATS            | 0.00       | 100%     | 0.00   |        |        |         |        |         |        |    |    |    |     |          |          |                   |
| VATER HEATER    | 0.00       | 100%     | 0.00   | NOTE   | S      |         |        |         |        |    |    |    |     |          |          | CONNECTED LOADS   |
| EQUIPMENT       | 17.00      | 100%     | 17.00  | ]ı. sc | UARE   | D: N    | Q      |         |        |    |    |    |     |          |          | PHASE A: 8.2 KV   |
| KITCHEN EQUIP.  | 0.00       | 65%      | 0.00   | ]2. E. | С. ТО  | PROV    | /IDE G | FCI BI  | REAKER |    |    |    |     |          |          | PHASE B: 9.1 KV   |
| SPECIAL EQ.     | 0.00       | 100%     | 0.00   | 3.     |        |         |        |         |        |    |    |    |     |          |          | PHASE C: 10.2 KV  |
| 25% OF LARGEST  | HVAC/MO    | '        | 0.00   | 4.     |        |         |        |         |        |    |    |    |     |          |          | TOTAL: 27.4 KV    |
| TOTAL DEMAND    |            |          | 27.22  | 5.     |        |         |        |         |        |    |    |    |     |          |          | DEMAND 76 AN      |

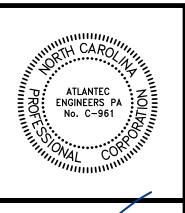
|                                |             |             |        |                         |      |       |        |        |      | _  |    |    |           |           |          |              |           |
|--------------------------------|-------------|-------------|--------|-------------------------|------|-------|--------|--------|------|----|----|----|-----------|-----------|----------|--------------|-----------|
| CKT [                          | DESCRIPTION | 1           | KVA    | С                       | G    | W     | СВ     | CKT    | CK.  | CB | W  | G  | С         | KVA       |          | DESCRIPTION  | CKT       |
| I REC 123                      |             |             | 0.2    | 1/2                     | 12   | 12    | 20     | 1      | 2    | 20 | 12 | 12 | 1/2       | 1.0       |          |              | TABLE 2   |
| 3 REC 123                      |             |             | 0.4    | 1/2                     | 12   | 12    | 20     | 3      | 4    | 20 | 12 | 12 | 1/2       | 0.1       |          | X- RAY SHUN  | NT TRIP 4 |
|                                | 1           |             |        | 1                       |      |       |        |        |      |    |    |    |           |           |          |              |           |
| DESCRIPTION                    | CONNECTED   | DEMAND      | DEMAND |                         | 30 A | MINIM | IUM BI | US SIZ | E    |    |    |    |           | SURFACE N | MOUNTING |              |           |
|                                | KVA         | FACTOR      | KVA    | 1                       | MAIN | LUGS  | ONLY   |        |      |    |    |    |           | NEMA I EN | CLOSURE  |              |           |
| CONT. LOAD                     | 0.00        | 125%        | 0.00   | IO K MINIMUM AIC RATING |      |       |        |        |      |    |    |    | GROUND BA | AR .      |          |              |           |
| RECEPTACLE                     | 0.54        | 100%/50%    | 0.54   | ]                       |      |       |        |        |      |    |    |    |           |           |          |              |           |
| MTRS/COOLS                     | 0.00        | 100%        | 0.00   |                         |      |       |        |        |      |    |    |    |           |           |          |              |           |
| HEATS                          | 0.00        | 100%        | 0.00   |                         |      |       |        |        |      |    |    |    |           |           |          |              |           |
| WATER HEATER                   | 0.00        | 100%        | 0.00   | NOTE                    | S    |       |        |        |      |    |    |    |           |           |          | CONNECTED LO | )ADS      |
| EQUIPMENT                      | I.IO        | 100%        | I.IO   | ji. SQ                  | UARE | D: Q  | O LOA  | AD CE  | NTER |    |    |    |           |           |          | PHASE A:     | 1.2 KV    |
| KITCHEN EQUIP.                 | 0.00        | 65 <b>%</b> | 0.00   | 2.                      |      |       |        |        |      |    |    |    |           |           |          | PHASE B:     | 0.5 KV    |
| SPECIAL EQ.                    | 0.00        | 100%        | 0.00   | 3.                      |      |       |        |        |      |    |    |    |           |           |          |              |           |
| 25% OF LARGEST HVAC/MOTOR 0.00 |             |             |        | 4.                      |      |       |        |        |      |    |    |    |           |           |          | TOTAL:       | I.6 KV    |
| TOTAL DEMAND                   | 1.64        | 5.          |        |                         |      |       |        |        |      |    |    |    |           | DEMAND    | 8 AMF    |              |           |



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