

PRELIMINARY SITE PLANS FOR: HOPE CENTER MINISTRIES

11142 NC 55 E, DUNN, NC 28334
BLACK RIVER TOWNSHIP
HARNETT COUNTY
NORTH CAROLINA
ZONED RM CZD

OWNER

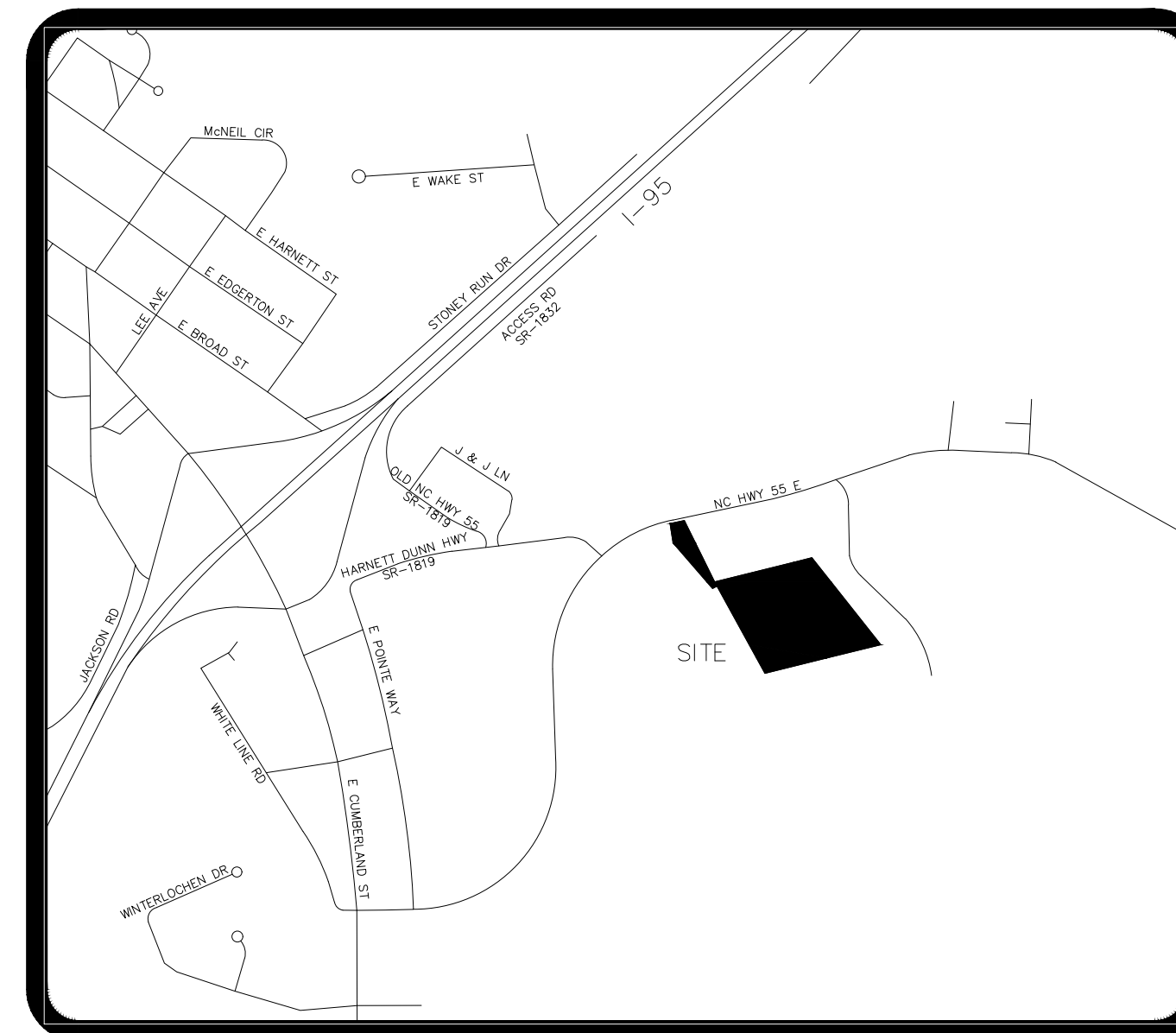
HOPE CENTER MINISTRIES
P.O. BOX 641, 7440 NW 39TH EXP.
BETHANY, OK 73008-0641
northcarolina@hopecm.com

SURVEYOR/LAND PLANNER

ENOCH ENGINEERS P.A.
1403 NC 50 S, BENSON, NC 27504
(919)-894-7765
general@enochengineers.com

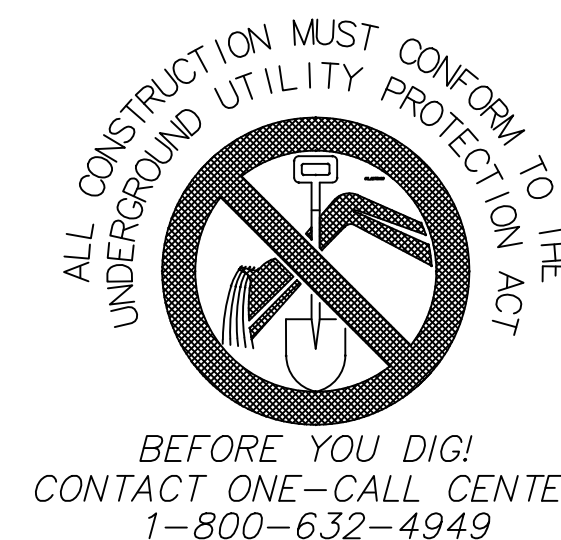
SHEET INDEX

- S-1 COVER
- S-2 PLAT PLAN
- S-3 SITE PLAN
- S-4 WATER LINE PROFILE
- S-5 LANDSCAPE PLAN
- S-6 DETAILS



As the owner of record, I hereby formally consent to the proposed development shown on this site plan and all regulations and requirements of the Harnett County ordinances.

Signature _____ Date _____



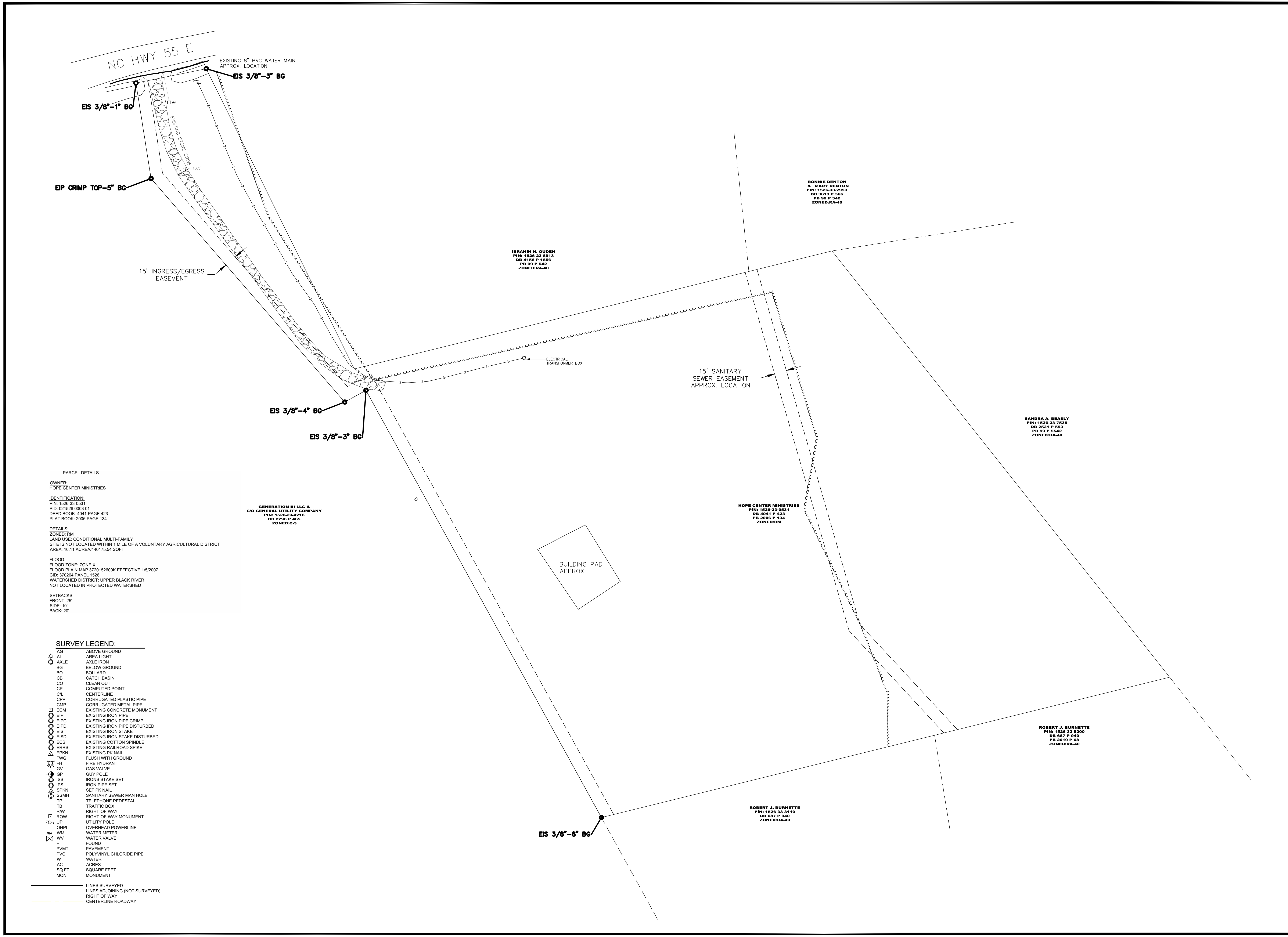
DESIGNED BY: **Enoch**
Engineers, P.A.
CONSULTING ENGINEERS & SURVEYORS
1403 NC Highway 50 South - Benson, NC 27504
Phone: (919) 894-7765 Fax: (919) 894-8190
E-mail: general@enochengineers.com
N.C. Firm License #C-2061

DATE: **NOVEMBER 10, 2022**

PROJECT NO.: 5206

REVISED: N/A

EE PROJECT: 5206
S - 1
of 5



PARCEL DETAILS

OWNER:
HOPE CENTER MINISTRIES

IDENTIFICATION:
PIN: 1526-33-0531
PID: 021526 0003 01
DEED BOOK: 4041 PAGE 423
PLAT BOOK: 2006 PAGE 134

DETAILS:
ZONED: RM
LAND USE: CONDITIONAL MULTIFAMILY
SITE IS NOT LOCATED WITHIN 1 MILE OF A VOLUNTARY AGRICULTURAL DISTRICT
AREA: 10.11 ACRES/440175.54 SQFT

FLOOD:
FLOOD ZONE: ZONE X
FLOOD PLAIN MAP 3720152600K EFFECTIVE 1/5/2007
CID: 370268 PANEL 1526
WATERSHED DISTRICT: UPPER BLACK RIVER
NOT LOCATED IN PROTECTED WATERSHED

SETBACKS:
FRONT: 25'
SIDE: 10'
BACK: 20'

SURVEY LEGEND:

- AG ABOVE GROUND
- AL AREA LIGHT
- AXLE AXLE IRON
- BG BELOW GROUND
- BO BOLLARD
- CB CATCH BASIN
- CO CLEAN OUT
- CP COMPUTED POINT
- CIL CENTERLINE
- CPL CORRUGATED PLASTIC PIPE
- CMP CORRUGATED METAL PIPE
- ECM EXISTING CONCRETE MONUMENT
- EIP EXISTING IRON PIPE
- EIPC EXISTING IRON PIPE CRIMP
- EIPD EXISTING IRON PIPE DISTURBED
- EIS EXISTING IRON STAKE
- EISD EXISTING IRON STAKE DISTURBED
- ECS EXISTING COTTON SPIGULE
- ERRS EXISTING RAILROAD SPIKE
- EPKN EXISTING PK NAIL
- FWS FLUSH WITH GROUND
- FH FIRE HYDRANT
- GV GAS VALVE
- GP GUY POLE
- ISS IRONS STAKE SET
- IPS IRON PIPE SET
- SPKN SET PK NAIL
- SSMH SANITARY SEWER MAN HOLE
- TP TELEPHONE PEDESTAL
- TB TRAFFIC BOX
- RW RIGHT-OF-WAY
- ROW RIGHT-OF-WAY MONUMENT
- UP UTILITY POLE
- OHPL OVERHEAD POWERLINE
- WM WATER METER
- WV WATER VALVE
- F FOUND
- PVMT PAVEMENT
- PVC POLYVINYL CHLORIDE PIPE
- W WATER
- AC ACRES
- SQ FT SQUARE FEET
- MON MONUMENT

— LINES SURVEYED
- - - LINES ADJOINING (NOT SURVEYED)
- - - RIGHT OF WAY
- - - CENTERLINE ROADWAY

**GENERATION III LLC &
C/O GENERAL UTILITY COMPANY**
PIN: 1526-33-4216
DB 2296 P 465
ZONED: C-3

IBRAHIM N. OUDEH
PIN: 1526-33-8913
DB 4156 P 1856
PB 99 P 542
ZONED: RA-40

**RONNIE DENTON
& MARY DENTON**
PIN: 1526-33-2953
DB 3613 P 566
PB 99 P 542
ZONED: RA-40

HOPE CENTER MINISTRIES
PIN: 1526-33-0531
DB 4011 P 423
PB 2006 P 134
ZONED: RM

SANPRA A. BEASLY
PIN: 1526-33-7535
DB 2521 P 593
PB 99 P 542
ZONED: RA-40

ROBERT J. BURNETTE
PIN: 1526-33-5200
DB 687 P 640
PB 2019 P 68
ZONED: RA-40

ROBERT J. BURNETTE
PIN: 1526-33-3110
DB 687 P 640
ZONED: RA-40

DRIVEWAY SPECIFICATIONS

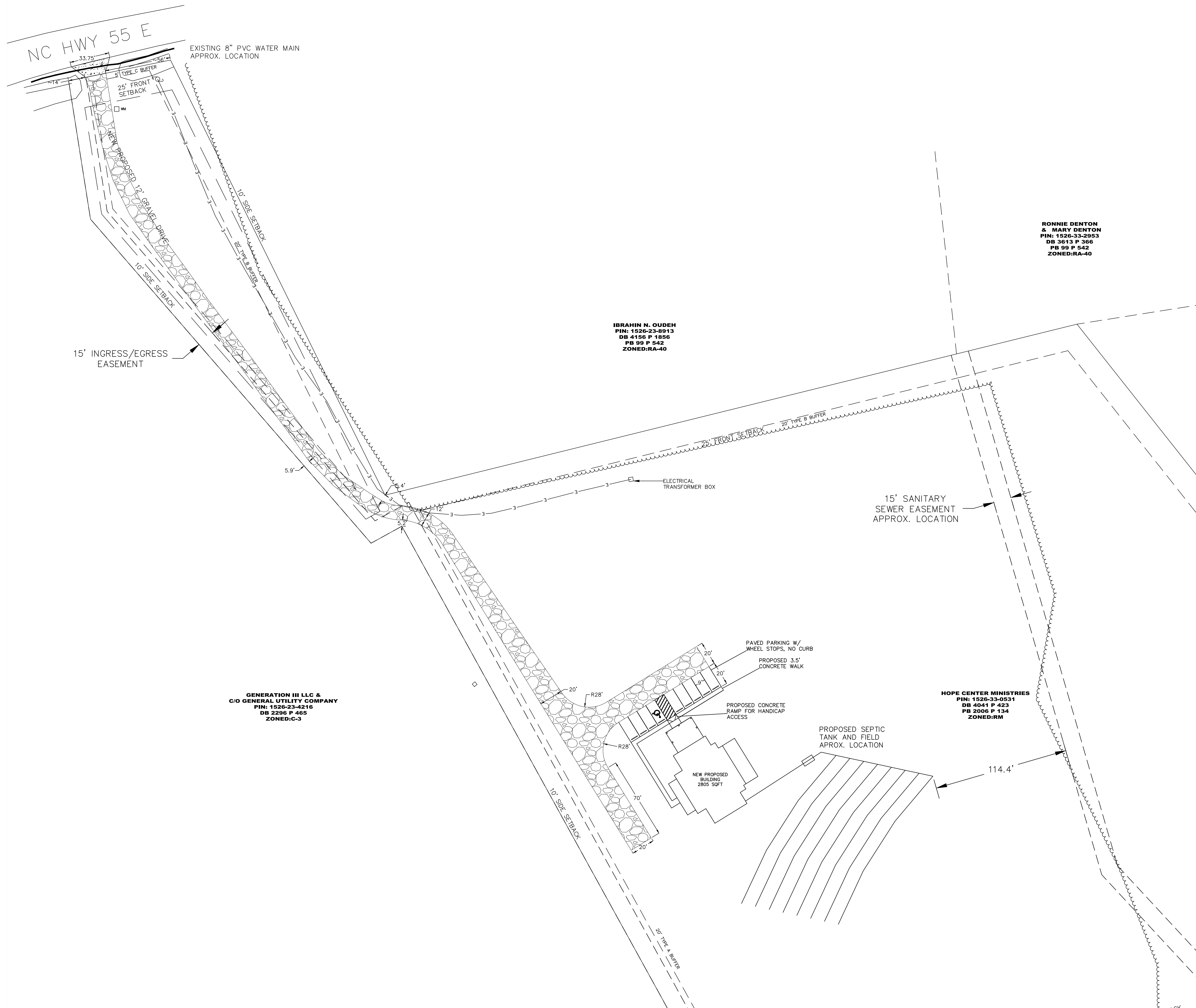
NOTE: DRIVEWAY AND PARKING REQUIREMENTS CAN BE FOUND IN DUNN CODE OF ORDINANCES BEGINNING AT CHAPTER 22 ARTICLE V SECTION 22-345

EXISTING DRIVE:
EXISTING DRIVE IS CRUSHED STONE VARYING FROM 18.3' TO 10.75'

PROPOSED:
DRIVE FROM EDGE OF PAVEMENT TO PROPERTY LINE WILL BE CONCRETE
EXISTING DRIVE WILL BE WIDENED AS NECESSARY TO 12' MINIMUM
END OF EXISTING DRIVE WILL BE SHIFTED NORTH TO ENSURE MINIMUM 5' FROM PROPERTY LINE
DRIVE WILL GRADUALLY WIDEN TO 20' TO ACCOMMODATE FIRE APPARATUS TURNAROUND
ALTERNATIVE HAMMERHEAD WILL BE USED FOR FIRE APPARATUS TURNAROUND

NOTE: 15' INGRESS/EGRESS EASEMENT ALONG WESTERN PROPERTY BOUNDARY TO BE KEPT CLEAR OF OBSTRUCTION

PARKING:
8 PAVED PARKING SPACES AND 1 VAN-ACCESSIBLE HANDICAPPED SPACE WITH WHEEL STOPS

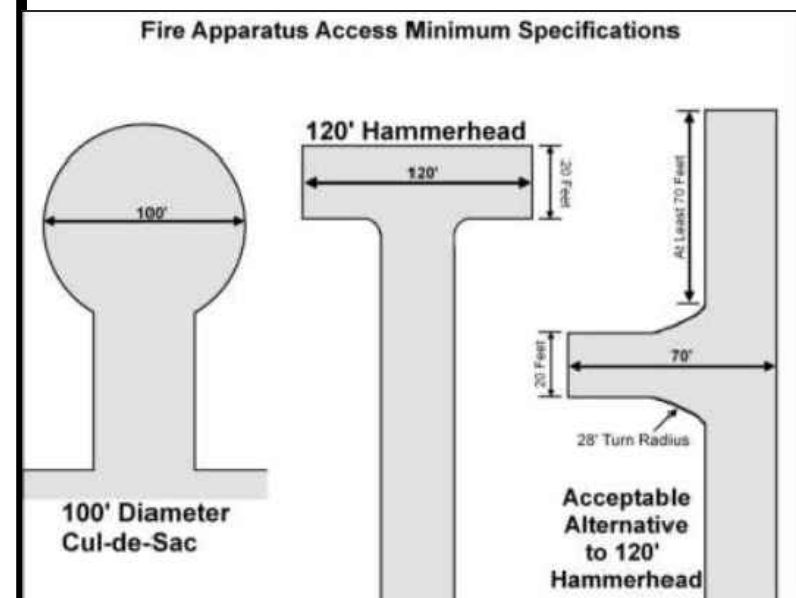


RONNIE DENTON & MARY DENTON
PIN: 1526-33-2953
DB 3613 P 365
PB 99 P 542
ZONED:RA-40

IBRAHIM N. OUDEH
PIN: 1526-23-8913
DB 4156 P 1896
PB 99 P 542
ZONED:RA-40

GENERATION III LLC & C/O GENERAL UTILITY COMPANY
PIN: 1526-23-4216
DB 2296 P 465
ZONED:C-3

HOPE CENTER MINISTRIES
PIN: 1526-33-0531
DB 4041 P 423
PB 2006 P 134
ZONED:RM



SEAL: _____
DATE: _____
SIGNATURE: _____

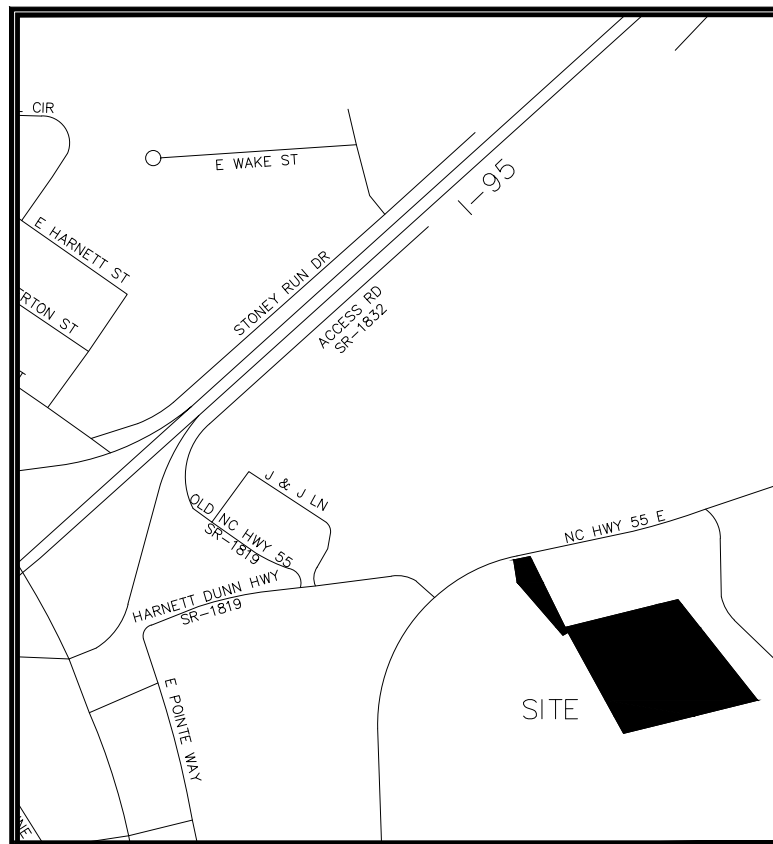
Enoch Engineers, P.A.
CONSULTING ENGINEERS & SURVEYORS
1400 NW 35TH EXP. PO BOX 641
BETHANY, OK 73008-0641
Phone: (918) 884-7765 Fax: (918) 884-8100
Firm License: C-2061

EE PROJECT:	5206
SURVEYED BY:	BP
SURVEY DATE:	NOV 2022
DRAWN BY:	BAH, NOV 2022
SCALE:	
HORIZONTAL:	1 INCH = 40 FEET
VERTICAL:	1 INCH = NA FEET
LOCATION:	NC 55 E DUNN, NC 28334
TOWNSHIP:	AVERASBORO
COUNTY:	HARNETT
PROPERTY OWNER(S):	HOPE CENTER MINISTRIES 1440 NW 35TH EXP. PO BOX 641 BETHANY, OK 73008-0641

REVISIONS:

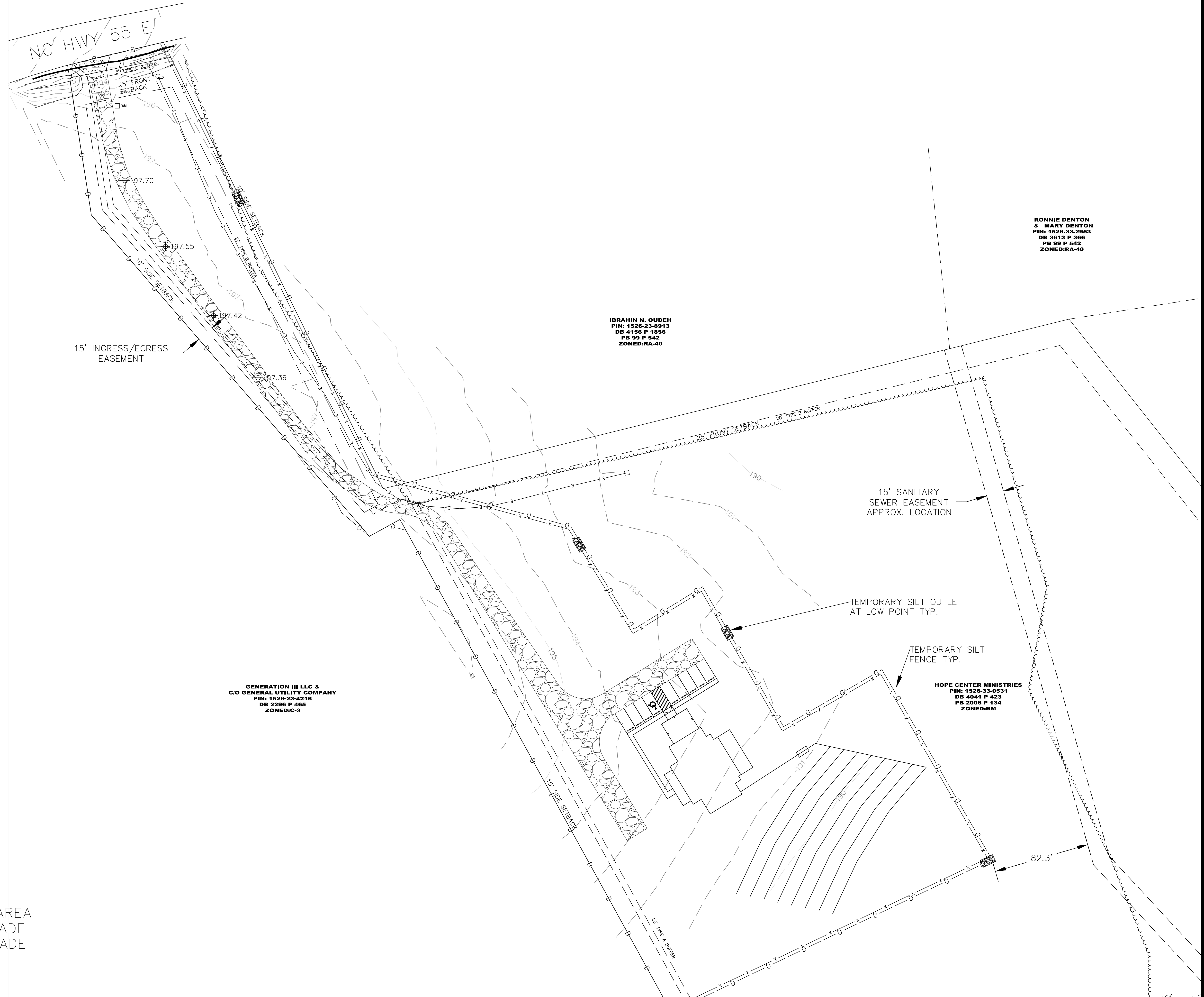
PRELIMINARY SITE PLAN
FOR
HOPE CENTER MINISTRIES

SHEET: **5-3**



DISTURBANCE AND IMPERVIOUS SURFACE

PARCEL TOTAL AREA: 440175.74 SQFT/ 10.11 ACRES
 DISTURBED AREA: 139,594.63 SQFT/ 3.20 ACRES
 IMPERVIOUS AREA: 22519.96 SQFT/ 0.52 ACRES
 IMPERVIOUS PERCENT: 100 * (22519.96 / 440175.74) = 5.12% IMPERVIOUS
 THE SITE IS LOW DENSITY (<24% IMPERVIOUS)



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 C/O GENERAL UTILITY COMPANY**
 PIN: 1526-23-4216
 DB 2296 P 465
 ZONED: C-3

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 PIN: 1526-23-8913
 DB 4156 P 1896
 PB 99 P 542
 ZONED: RA-40

**RONNIE DENTON
 & MARY DENTON**
 PIN: 1526-33-2953
 DB 3613 P 366
 PB 99 P 542
 ZONED: RA-40

HOPE CENTER MINISTRIES
 PIN: 1526-33-0531
 DB 4041 P 423
 PB 2006 P 134
 ZONED: RM

- x — x — x — x — x — SILT FENCE
- D — D — D — D — D — DISTURBED AREA
- - - - - 100 - - - - - EXISTING GRADE
- — — — — 100 — — — — — FINISHED GRADE

SEAL:

DATE:

SIGNATURE:

**Enoch
 Engineers, P.A.**
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 1404 NW 35TH EXP. PO BOX 641
 BETHANY, OK 73008-0641
 Phone: (918) 884-7765 Fax: (918) 884-8100
 Firm License: C-2061

EE PROJECT: 5206
 SURVEYED BY: BP
 SURVEY DATE: NOV 2022
 DRAWN BY: BAH, NOV 2022
 SCALE:
 HORIZONTAL: 1 INCH = 40 FEET
 VERTICAL: 1 INCH = NA FEET

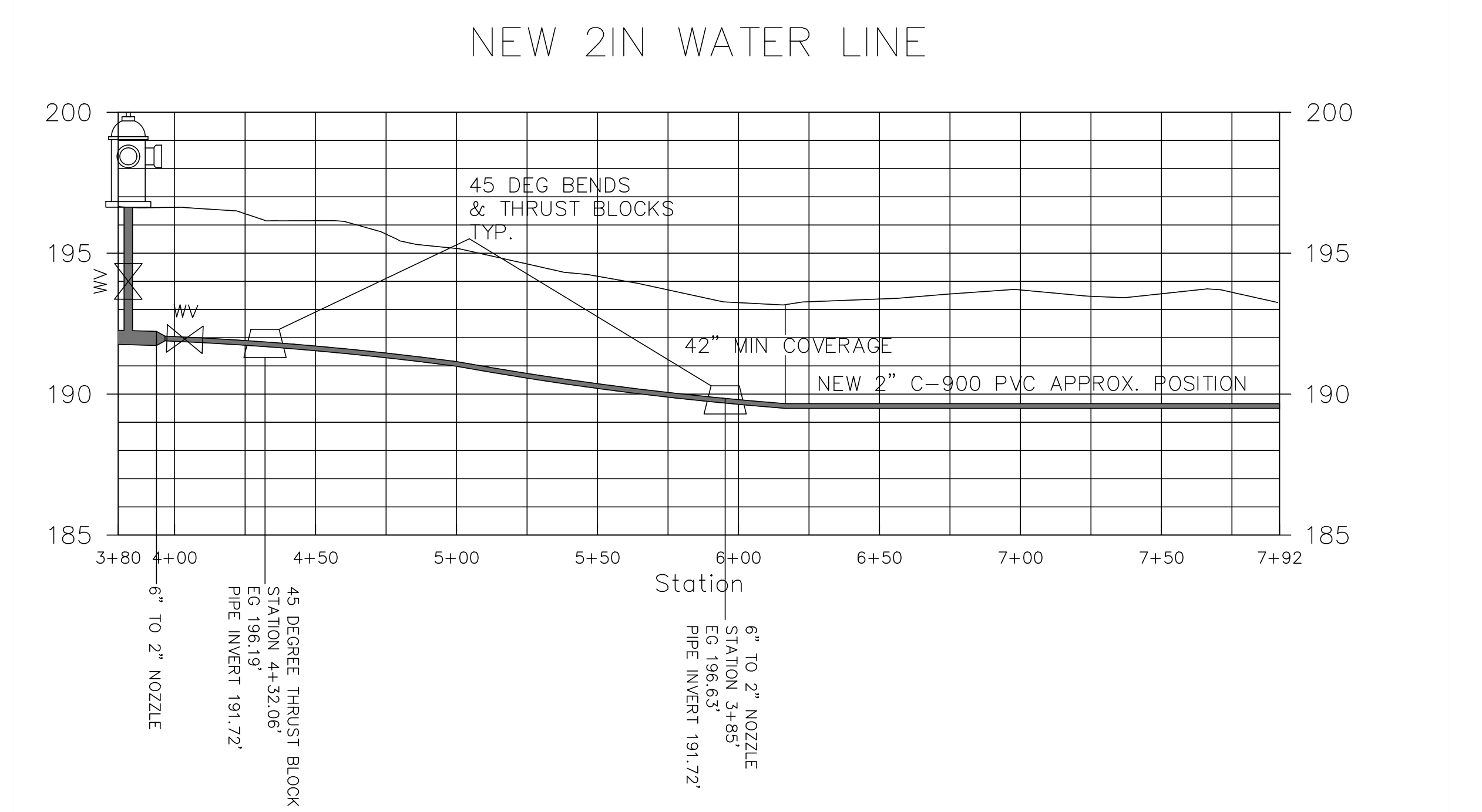
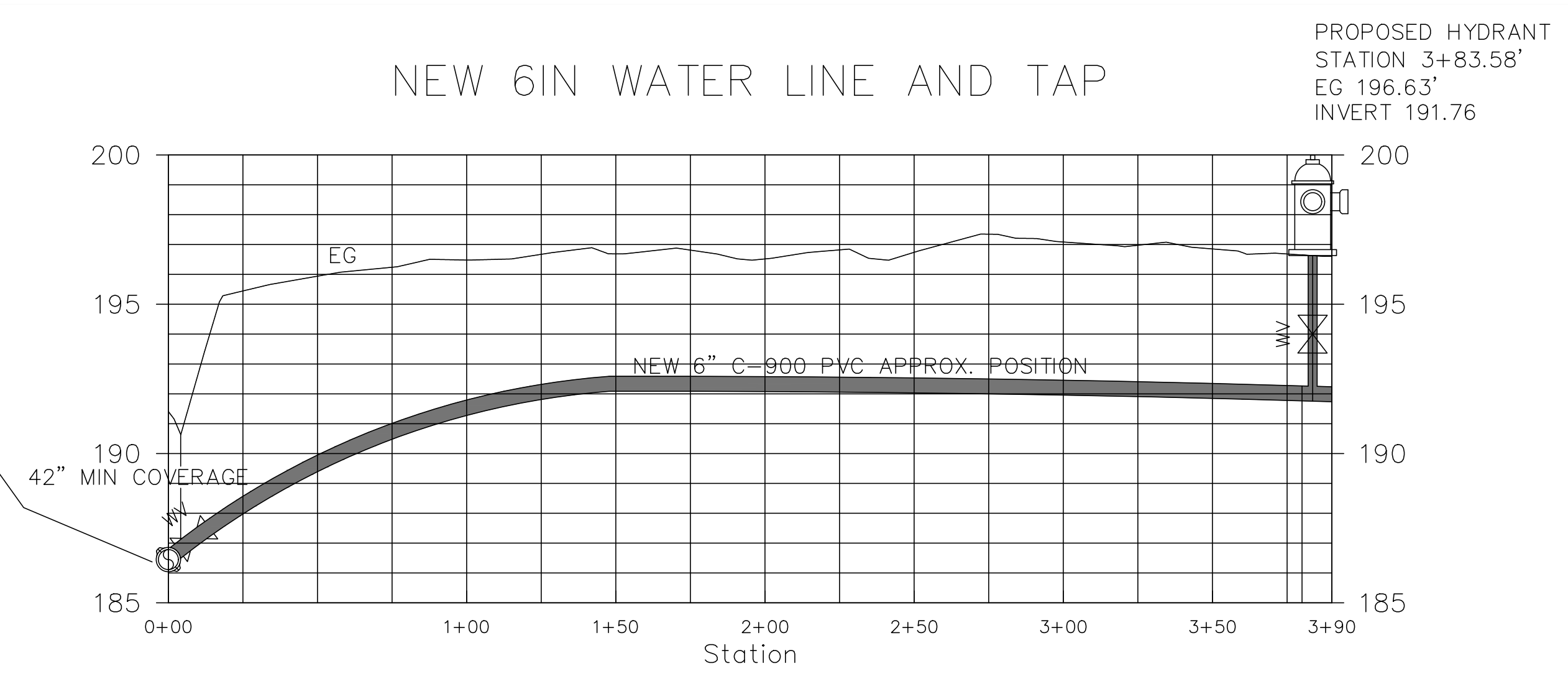
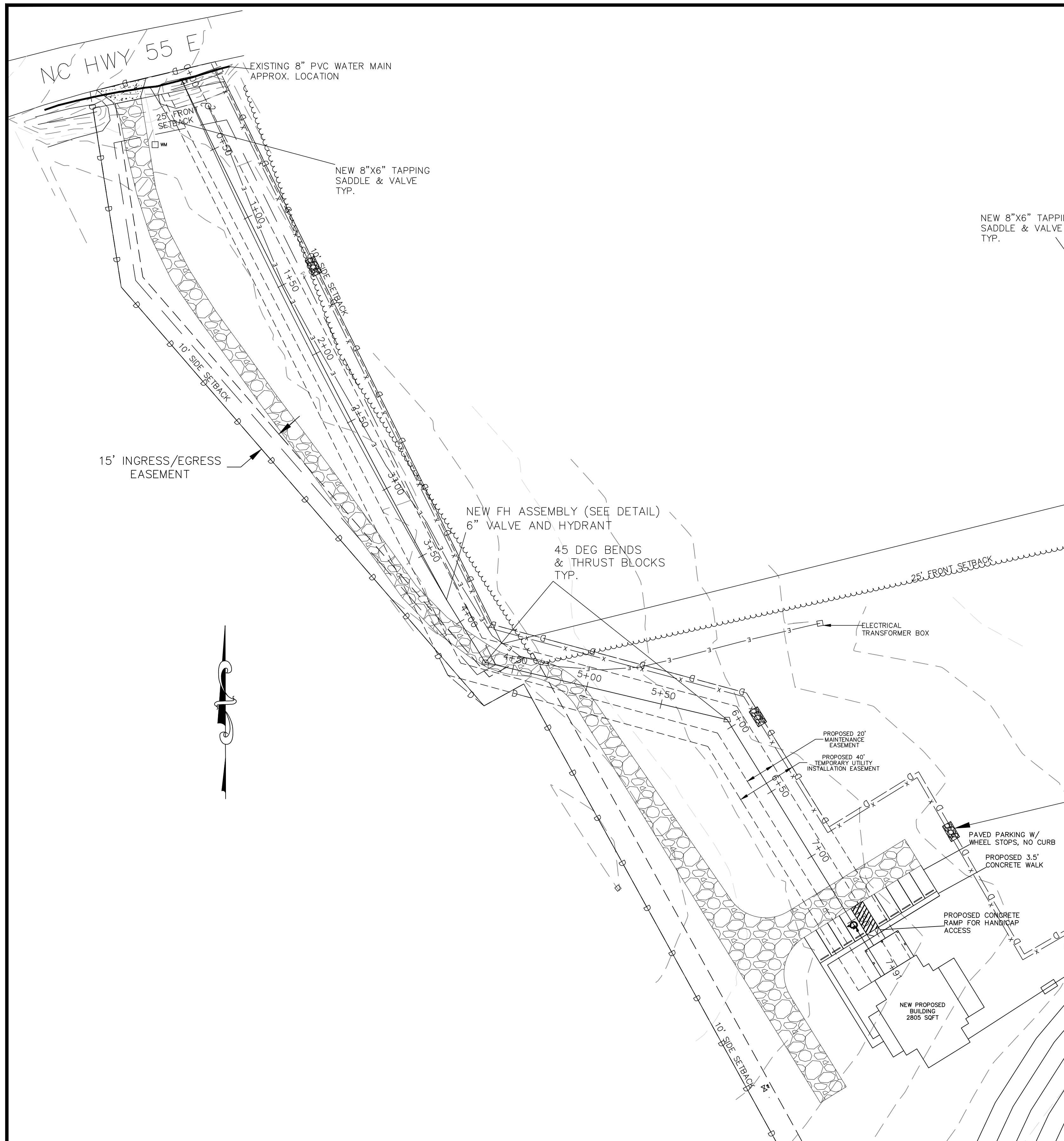
LOCATION:
 NC 55 E
 DUNN, NC 28334
 TOWNSHIP: AVERASBORO
 COUNTY: HARNETT
 PROPERTY OWNER(S):
 HOPE CENTER MINISTRIES
 1440 NW 35TH EXP. PO BOX 641
 BETHANY, OK 73008-0641

REVISIONS:

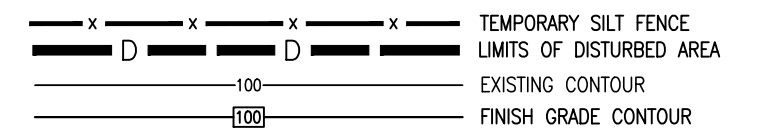
**EROSION AND SEDIMENT CONTROL PLAN
 FOR
 HOPE CENTER MINISTRIES**

SHEET:

S-4



PRELIMINARY: NOT FOR CONSTRUCTION



SEAL:

DATE:

SIGNATURE:

Enoch
Engineers, P.A.
CONSULTING ENGINEERS & SURVEYORS
1404 NW 35TH EXP. PO BOX 641
BETHANY, OK 73008-0641
Phone: (918) 884-7765 Fax: (918) 884-8100
Firm License: C-2061

EE PROJECT:	5206
SURVEYED BY:	BP
SURVEY DATE:	NOV 2022
DRAWN BY:	BAH, NOV 2022
SCALE:	
HORIZONTAL:	1 INCH = 40 FEET
VERTICAL:	1 INCH = 4 FEET
LOCATION:	NC 55 E DUNN, NC 28334
TOWNSHIP:	AVERASBORO
COUNTY:	HARNETT
PROPERTY OWNER(S):	HOPE CENTER MINISTRIES 1440 NW 35TH EXP. PO BOX 641 BETHANY, OK 73008-0641

REVISIONS:

WATER LINE TAP & PROFILE
FOR
HOPE CENTER MINISTRIES

LANDSCAPE REQUIREMENTS

NOTE: LANDSCAPE REQUIREMENTS CAN BE FOUND IN DUNN CODE OF ORDINANCES BEGINNING AT CHAPTER 22 ARTICLE III DIVISION 1 SECTION 22-59.7

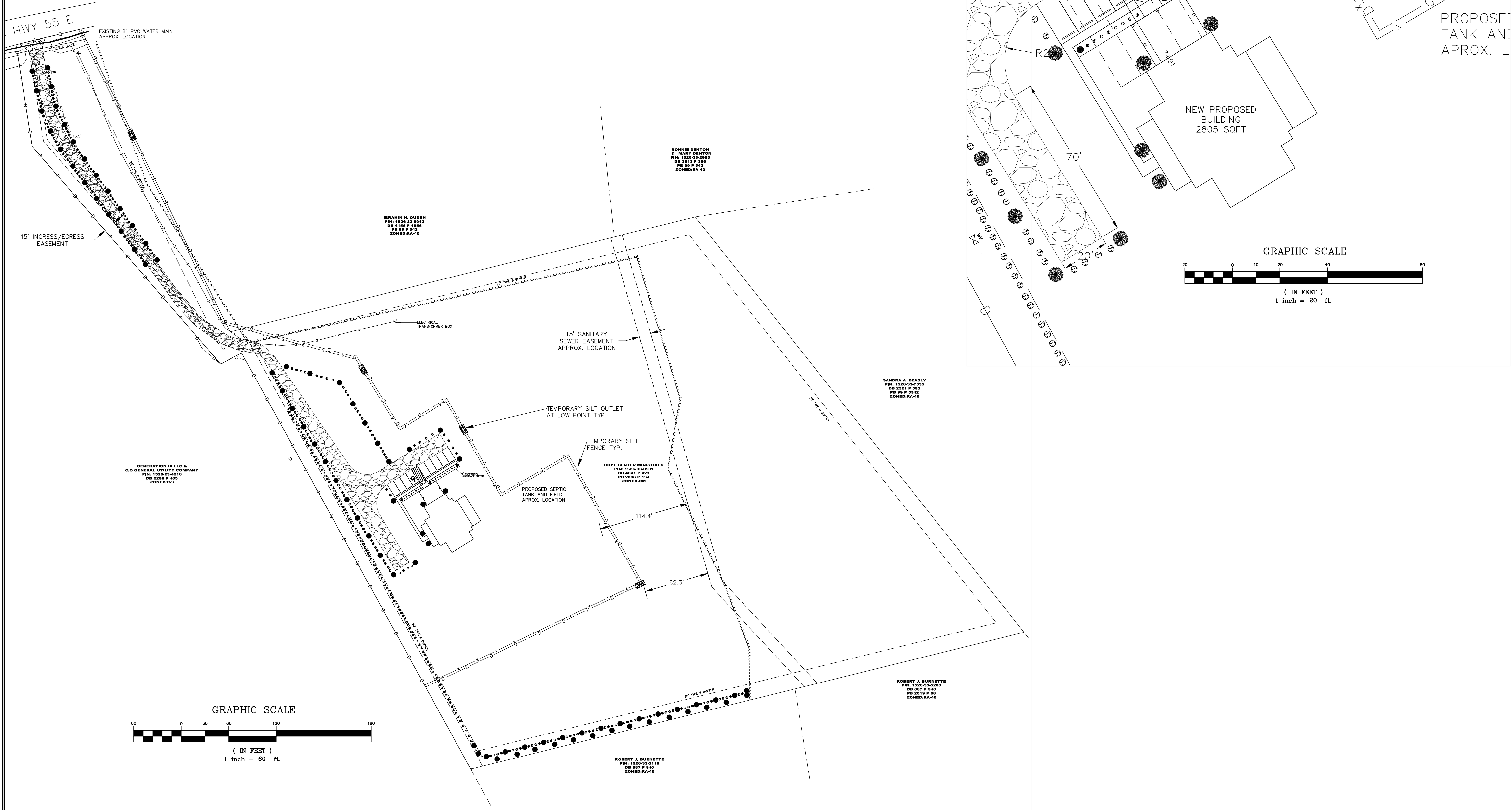
PROPERTY BOUNDARIES
 20' TYPE A BUFFER WHERE RESIDENTIAL AND NON-RESIDENTIAL LOTS MEET
 3 TREES AND 12 SHRUBS MINIMUM PER 1000 SQFT OF BUFFER
 75% MINIMUM EVERGREEN REQUIRED
 22273.39 SQFT BUFFER REQUIRES 67 TREES AND 268 SHRUBS

20' TYPE B BUFFER WHERE RESIDENTIAL AND NON-RESIDENTIAL LOTS MEET
 2 TREES AND 8 SHRUBS MINIMUM PER 1000 SQFT OF BUFFER
 50% MINIMUM EVERGREEN REQUIRED
 7,023.32 SQFT BUFFER REQUIRES 15 TREES AND 57 SHRUBS

5' TYPE C BUFFER AT RW
 LAWN IS SUFFICIENT
 LOW GROWING EVERGREEN SHRUBS, BROADLEAF EVERGREENS, AND OTHER GROUND COVER MAY BE ADDED AT THE OWNER'S DISCRETION

PARKING LOT
 5' PERIPHERAL BUFFER REQUIRED AROUND THE PERIMETER
 INTERRUPTIONS AT INGRESS AND EGRESS TO BUILDINGS IS PERMITTED
 1 TREE AND 8 SHRUBS MINIMUM PER 40 LINEAR FEET OF PERIMETER
 90' PERIMETER REQUIRES 3 TREES AND 18 SHRUBS
 MAX 12 CONSECUTIVE PARKING SPACES WITHOUT A TREE LANDSCAPE ISLAND OR PENINSULA

ALL TREE AND SHRUB SPECIES WILL BE LEFT TO THE OWNER'S DISCRETION. A LIST OF RECOMMENDED SPECIES CAN BE FOUND AT THE CITY OF DUNN ORDINANCES CHAPTER 22 ARTICLE III DIVISION 1 SECTION 22-59.16



SEAL:

DATE:

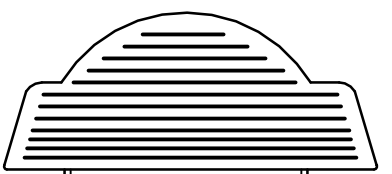
SIGNATURE:

Enoch Engineers, P.A.
 CONSULTING ENGINEERS & SURVEYORS
 1406 NW 35TH EXP. PO BOX 641
 BETHANY, NC 27308-0641
 Phone: (919) 884-7765 Fax: (919) 884-8100
 Firm License: C-2061

EE PROJECT:	5206
SURVEYED BY:	BP
SURVEY DATE:	NOV 2022
DRAWN BY:	BAH, NOV 2022
SCALE:	
HORIZONTAL:	1 INCH = 40 FEET
VERTICAL:	1 INCH = ~ FEET
LOCATION:	NC 55 E DUNN, NC 28334
TOWNSHIP:	AVERASBORO
COUNTY:	HARNETT
PROPERTY OWNER(S):	HOPE CENTER MINISTRIES 1440 NW 35TH EXP. PO BOX 641 BETHANY, NC 27308-0641

REVISIONS:

LANDSCAPE PLAN
 FOR
HOPE CENTER MINISTRIES



"THE HOPE CENTER"
1142 NC HWY 55 E, DUNN
BUCK GODWIN CONSTR.

HEATED FOOTAGE:
5410

SQUARE FOOTAGE:	2763	2647	248	456
FIRST FLOOR				
SECOND FLOOR				
FRONT PORCH				
COVD PATIO				

DESIGNED BY:
HEATHER or JOHNATHAN HALL
185 HEATHERSTONE CT
BENSON NC 27504
(919) 207-1403

H SQUARED HOME DESIGN, INC.

THIS PLAN HAS BEEN DRAWN IN ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODES 2018 EDITION.

ANY DEVIATION OF THIS PLAN, DIMENSIONS OR OTHERWISE, H SQUARED HOME DESIGN, INC. IS NOT LIABLE.
This plan is to be built by the homeowner or builder as cited in this title block only. Not released for multiple builds.

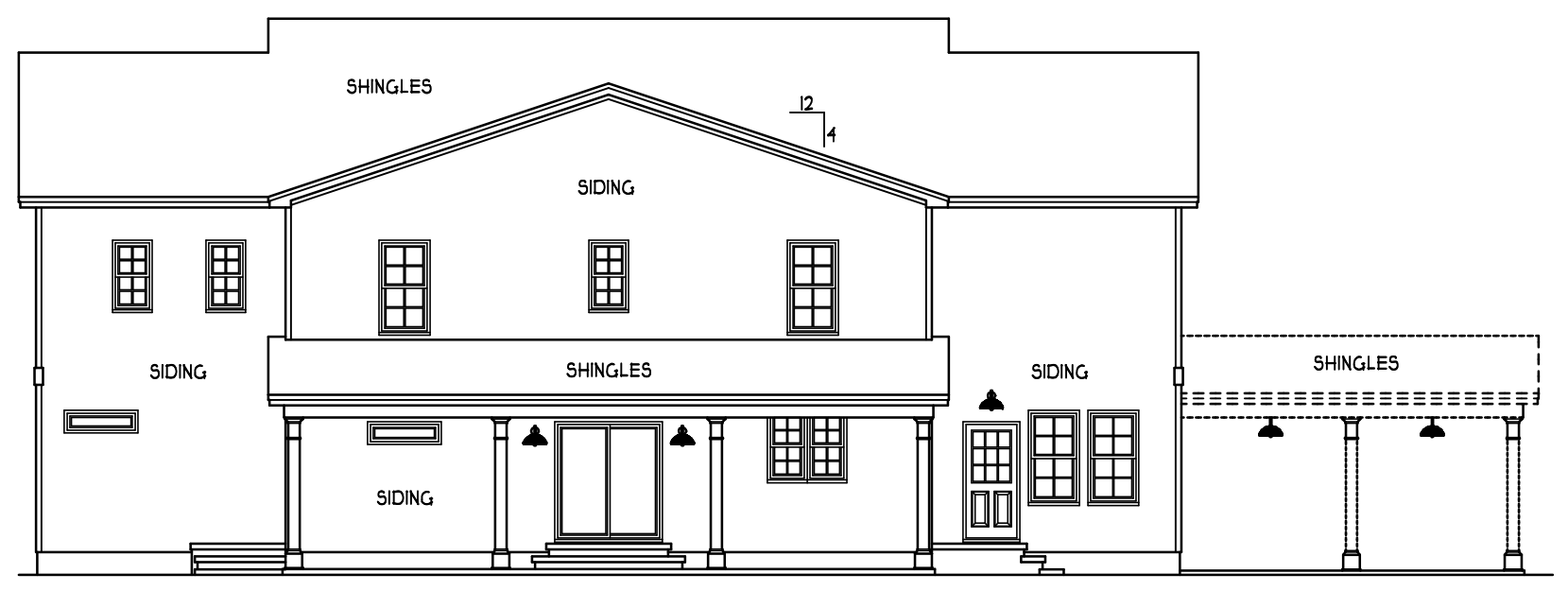
DATE: 07/05/22

2 STORY

FILE: 11 21 21



FRONT ELEVATION
SCALE 3/16" = 1'-0"



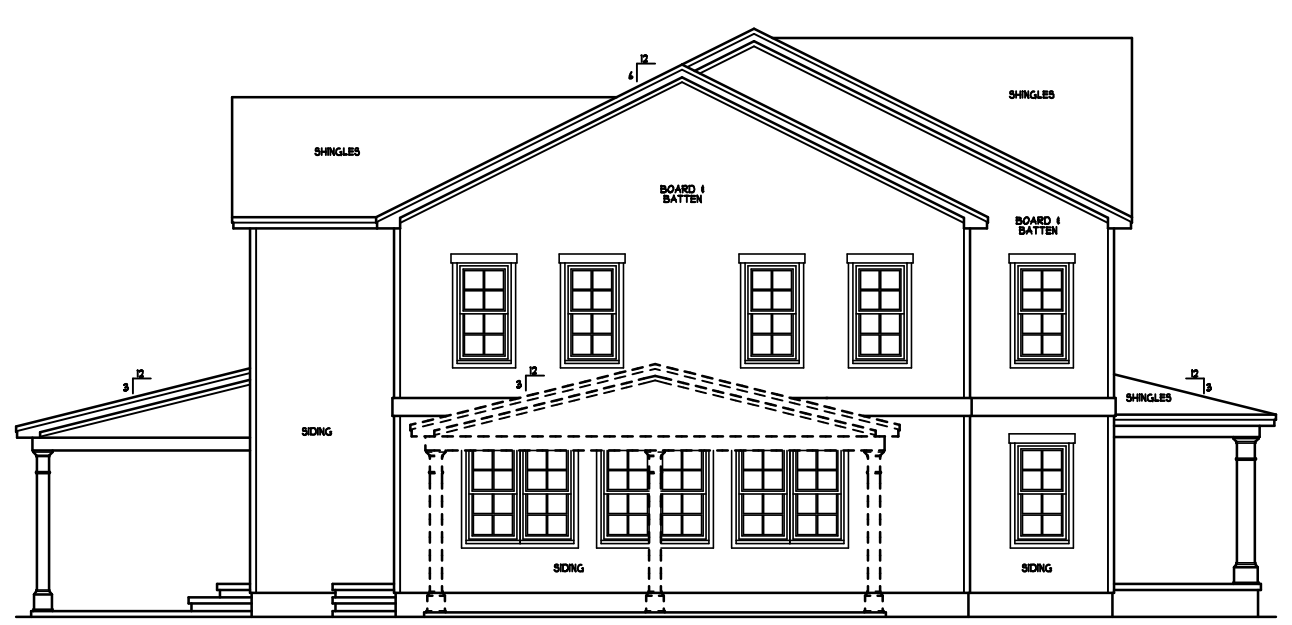
REAR ELEVATION
SCALE 3/32" = 1'-0"

ATTIC VENTILATION:

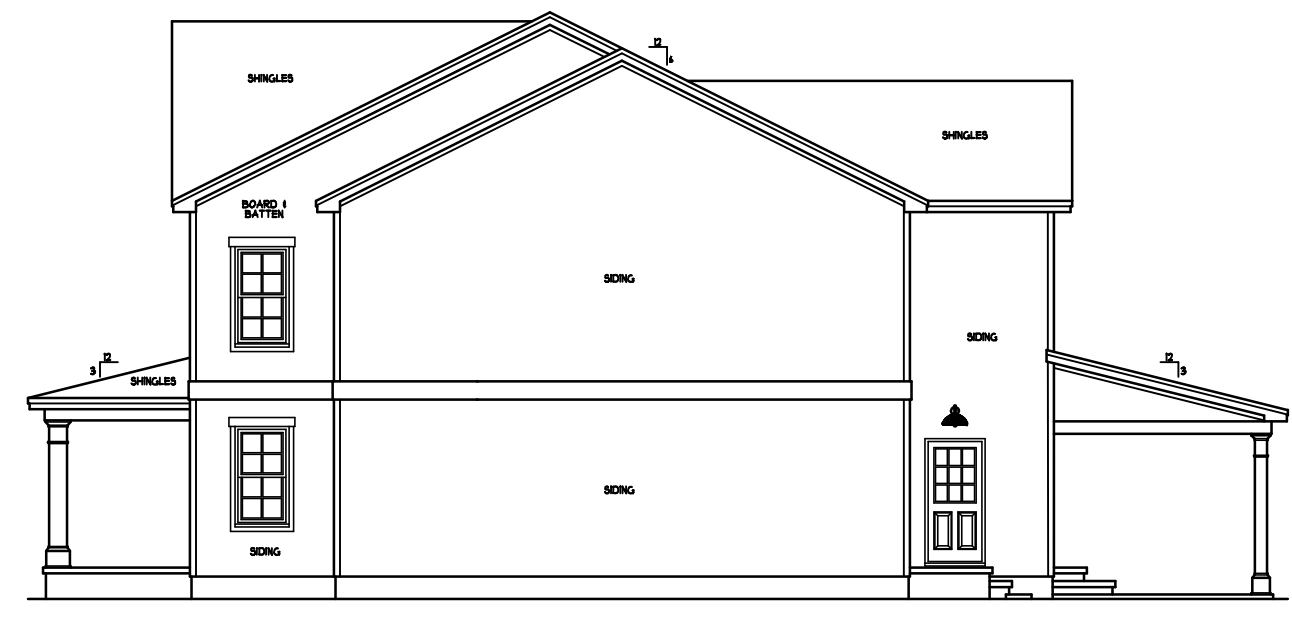
THE NET FREE VENTILATING AREA SHALL BE NOT LESS THAN 1 TO 150 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE AREA MAY BE 1 TO 300, PROVIDED AT LEAST 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION TO BE PROVIDED BY EAVE OR CORNICE VENTS.

GROSS ATTIC AREA TO BE VENTILATED 3913 SQ.FT.
3913/150 = 26.08 SQ.FT. NET FREE AREA
(INC. CARPORT ROOF)

ENERGY COMPLIANCE
ZONE 3 = MAX. GLAZING U-FACTOR .35
R-VALUE = CEILING R38, WALLS R15, FLOORS R19 FOR JOHNSTON, SAMPSON COUNTY
ZONE 4 = MAX. GLAZING U-FACTOR .35
R-VALUE = CEILING R38, WALLS R15, FLOORS R19 FOR WAKE, DURHAM, ORANGE, HARNETT COUNTY



LEFT ELEVATION
SCALE 3/32" = 1'-0"

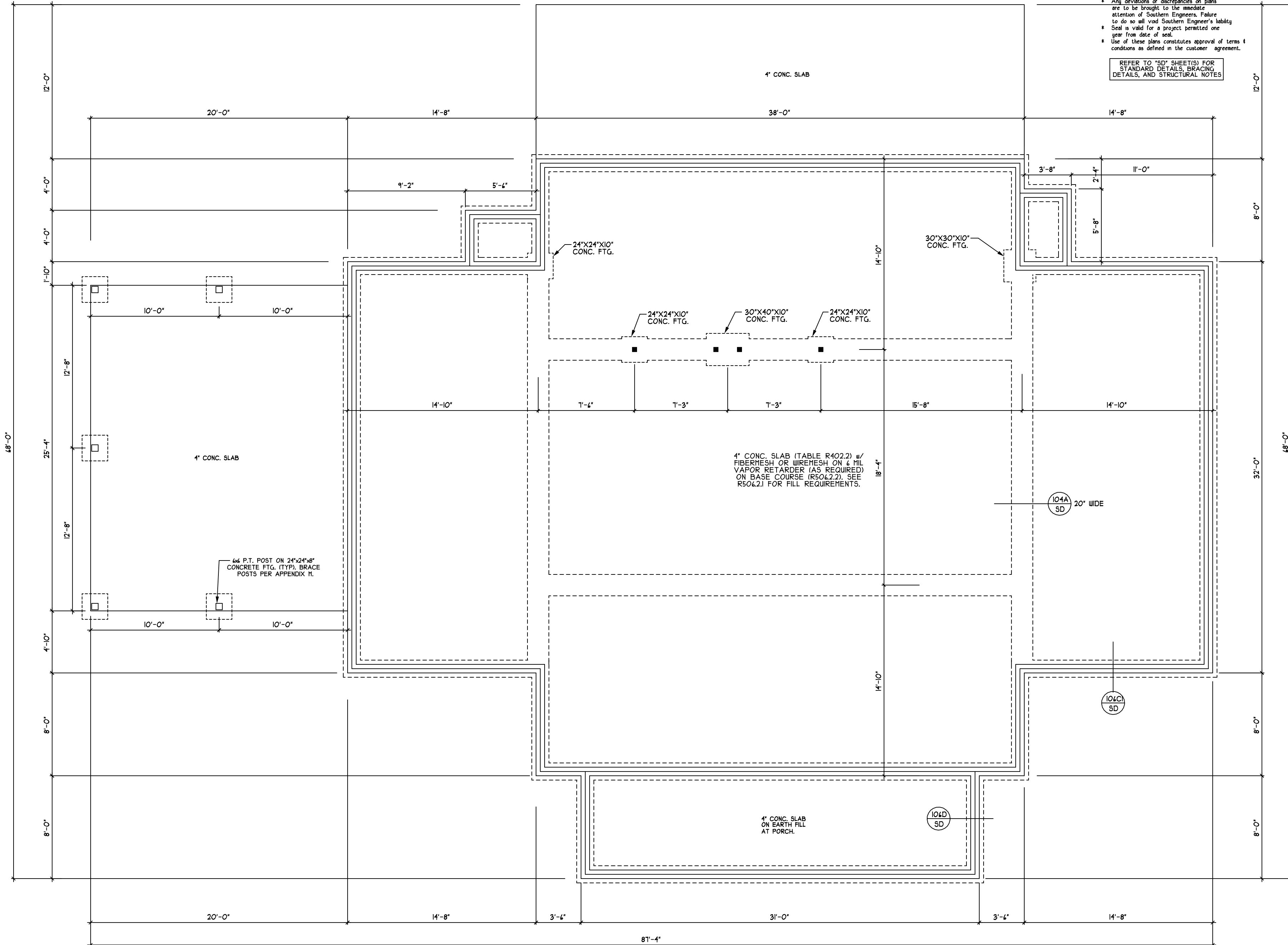
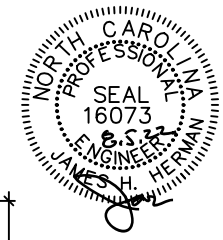


RIGHT ELEVATION
SCALE 3/32" = 1'-0"

STRUCTURAL DESIGN BY:
SOUTHERN ENGINEERS, P.A.
374 BENSON DR., RALEIGH, NC 27609
LICENSE: C-4112, PHONE: 919-818-1471
PROJECT #: 22-1132

* Engineer's seal applies only to structural components on this document. Seal does not include construction means, methods, techniques, sequences, procedures or safety precautions.
* Any deviations or discrepancies on plans are to be brought to the immediate attention of Southern Engineers. Failure to do so will void Southern Engineer's liability.
* Seal is valid for a project permitted one year from date of seal.
* Use of these plans constitutes approval of terms & conditions as defined in the customer agreement.

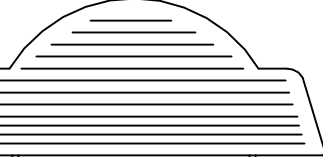
REFER TO "SD" SHEETS(S) FOR STANDARD DETAILS, BRACING DETAILS, AND STRUCTURAL NOTES



ANCHOR BOLTS
ANCHOR BOLTS TO BE PLACED WITHIN 12" OF EVERY CORNER AND FROM EVERY SPLICE AND AT 4'-0" O.C. WITH 1" MIN. IN CONC.

DAMP PROOFING
FOR DRAINAGE, DAMP PROOFING & WATER PROOFING REFER TO SECTION 405 & 406 IN 2018 EDITION NC RES. CODES

FOUNDATION PLAN
SCALE 3/16" = 1'-0"



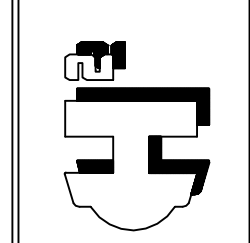
"THE HOPE CENTER"
1142 NC HWY 55 E, DUNN
BUCK GODWIN CONSTR.

HEATED FOOTAGE:
5410

SQUARE FOOTAGE:	
FIRST FLOOR	= 2763
SECOND FLOOR	= 2647
FRONT PORCH	= 248
COVID PATIO	= 456

DESIGNED BY:
HEATHER or JOHANNATHAN HALL
165 HEATHERSTONE CT
BENSON NC 27504
(919) 207-1403

H SQUARED HOME DESIGN, INC.



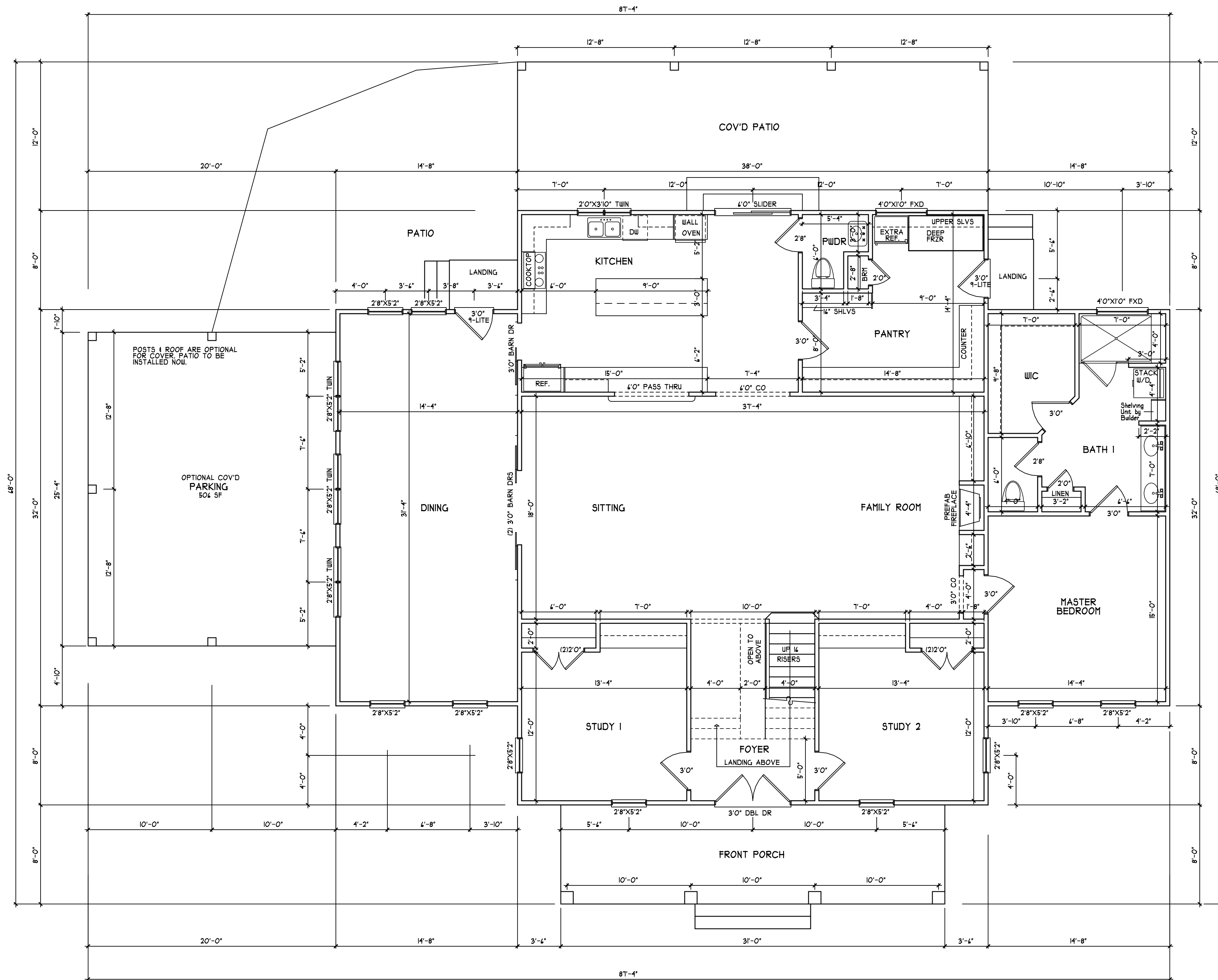
THIS PLAN HAS BEEN DRAWN IN ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODES 2018 EDITION.

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DATE:
01/05/22

2 STORY

FILE:
11 21 21



FIRST FLOOR PLAN
SCALE 3/16" = 1'-0"

"THE HOPE CENTER"
1142 NC HWY 55 E, DUNN
BUCK GODWIN CONSTR.

HEATED FOOTAGE:
5410

SQUARE FOOTAGE:	= 2763
FIRST FLOOR	= 2647
SECOND FLOOR	= 248
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COVID PATIO	


DESIGNED BY:
HEATHER or JOHNATHAN HALL
185 HEATHERSTONE CT
BENSON NC 27504
(919) 207-1403

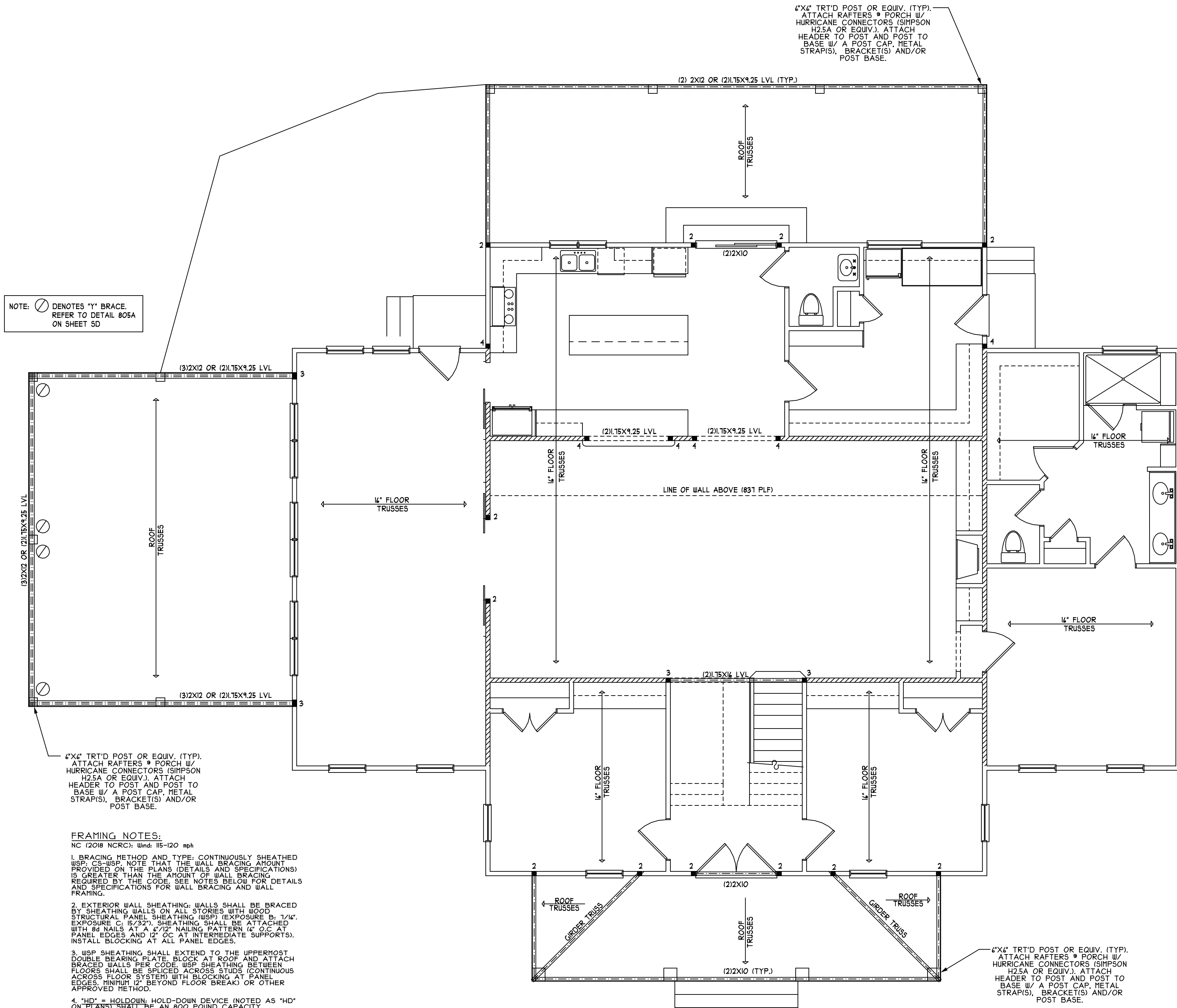
H SQUARED HOME DESIGN, INC.

THIS PLAN HAS BEEN DRAWN IN ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODES 2008 EDITION.

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DATE:	07/05/22
STORY:	2 STORY
FILE:	11 21 21

NOTE:  DENOTES "Y" BRACE. REFER TO DETAIL 805A ON SHEET SD



FRAMING NOTES:
 NC (2018 NCR): Wind: 115-120 mph

- BRACING METHOD AND TYPE: CONTINUOUSLY SHEATHED WSP; CS-WSP. NOTE THAT THE WALL BRACING AMOUNT PROVIDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE AMOUNT OF WALL BRACING REQUIRED BY THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING AND WALL FRAMING.
- EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANEL SHEATHING (WSP) (EXPOSURE B; 1/4\"/>

HEADER/BEAM & COLUMN NOTES

- ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2) 2X10 (4\"/>

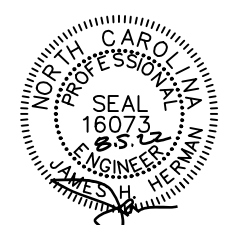
2. THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR COLUMN. THE NUMBER OF KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS SHALL BE ACCORDING TO ITEM 4\"/>

- UP TO 3' SPAN: (1) KING STUD
- OVER 3' UP TO 4' SPAN: (2) KING STUDS
- OVER 4' UP TO 9' SPAN: (3) KING STUDS
- OVER 9' UP TO 12' SPAN: (4) KING STUDS
- OVER 12' UP TO 15' SPAN: (5) KING STUDS

TRUSS SYSTEM REQUIREMENTS
 NC (2018 NCR): Wind: 115-120 MPH

- TRUSS SYSTEM LAYOUTS (PLACEMENT PLANS) SHALL BE DESIGNED IN ACCORDANCE WITH SEALED STRUCTURAL PLANS. ANY NEED TO CHANGE TRUSSES SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
- ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON SPF #2 OR #3 PLATES OR LEDGERS (UNO).
- ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.

FIRST FLOOR STRUCTURAL PLAN
 SCALE 3/16\"/>



STRUCTURAL DESIGN BY:
 SOUTHERN ENGINEERS, P.A.
 3714 BENSON DR., RALEIGH, NC 27609
 LICENSE: C-4112, PHONE: 919-878-1471
 PROJECT #: 22-1132

* Engineers seal applies only to structural components on this document. Seal does not include construction means, methods, techniques, sequences, procedures or safety precautions.
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 * Seal is valid for a project permitted one year from date of seal.
 * Use of these plans constitutes approval of terms & conditions as defined in the customer agreement.

REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS, AND STRUCTURAL NOTES

"THE HOPE CENTER"
 1142 NC HWY 55 E, DUNN
 BUCK GODWIN CONSTR.

5410

HEATED FOOTAGE:	SQUARE FOOTAGE:
FIRST FLOOR = 2763	FIRST FLOOR = 2763
SECOND FLOOR = 2847	SECOND FLOOR = 2847
FRONT PORCH = 248	FRONT PORCH = 248
COVID PATIO = 456	COVID PATIO = 456

DESIGNED BY:
 HEATHER or JOHANATHAN HALL
 165 HEATHERSTONE CT
 BENSON NC 27504
 (919) 207-1403

H SQUARED HOME DESIGN, INC.

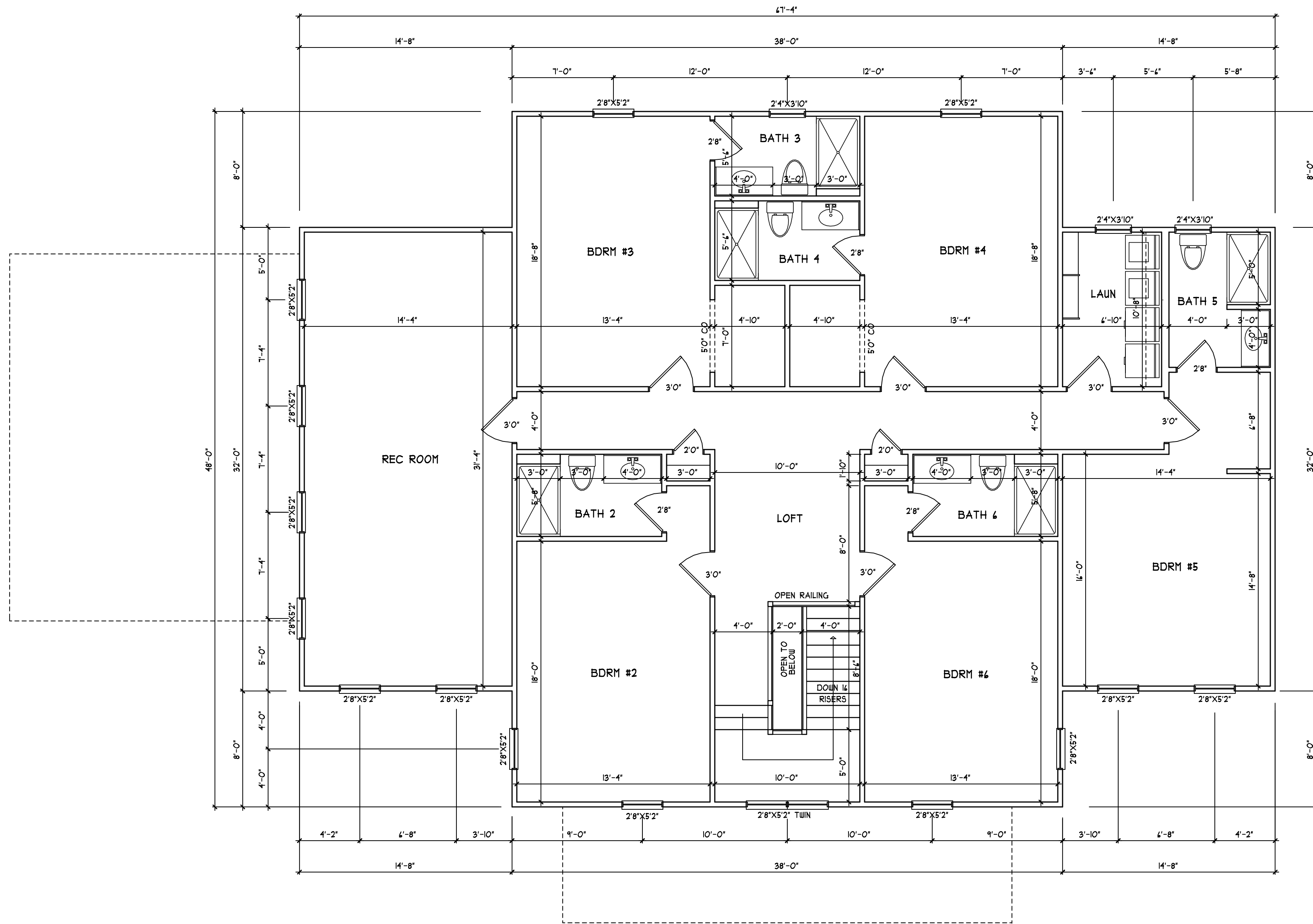
THIS PLAN HAS BEEN DRAWN IN ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODES 2018 EDITION.

ANY DEVIATION OF THIS PLAN, DIMENSIONS OR OTHERWISE, H SQUARED HOME DESIGN, INC. IS NOT LIABLE.
 This plan is to be built by the homeowner or builder as cited in this title block only.
 Not released for multiple builds.

DATE: 01/05/22

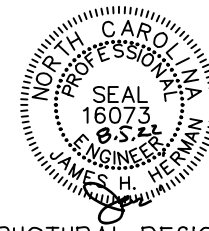
2 STORY

FILE: 11 21 21



SECOND FLOOR PLAN
SCALE 3/16" = 1'-0"

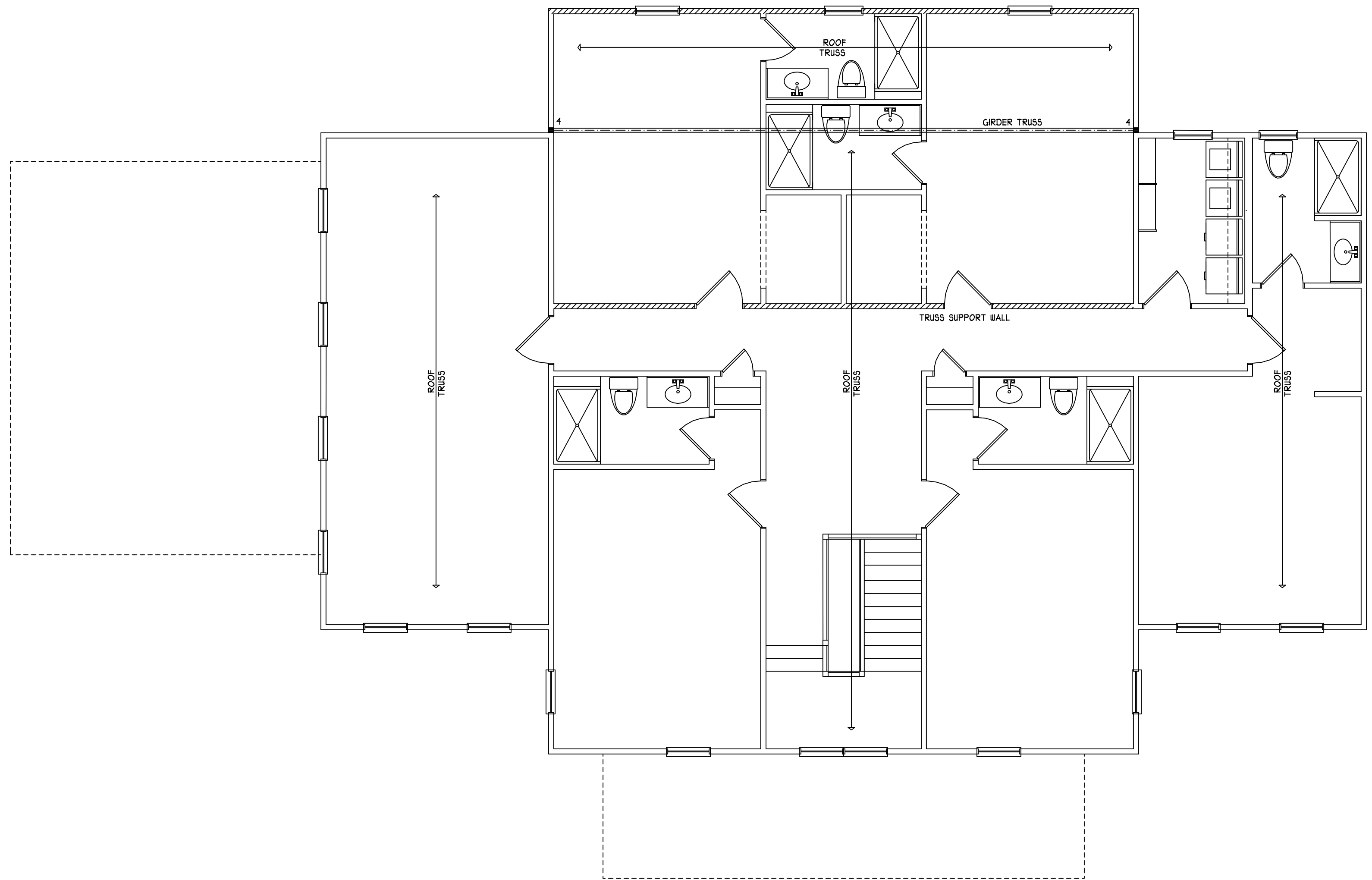
		DESIGNED BY: HEATHER or JOHNATHAN HALL 185 HEATHERSTONE CT BENSON NC 27504 (919) 207-1403	
ANY DEVIATION OF THIS PLAN, DIMENSIONS OR OTHERWISE, H SQUARED HOME DESIGN, INC. IS NOT LIABLE. This plan is to be built by the homeowner or builder as cited in this title block only. Not released for multiple builds.		THIS PLAN HAS BEEN DRAWN IN ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODES 2008 EDITION.	
HEATED FOOTAGE: # 5410		SQUARE FOOTAGE: FIRST FLOOR = 2763 SECOND FLOOR = 2647 FRONT PORCH = 248 COVERED PATIO = 456	
"THE HOPE CENTER" 1142 NC HWY 55 E, DUNN		BUCK GODWIN CONSTR.	
DATE: 07/05/22		2 STORY	
FILE: 11 21 21			



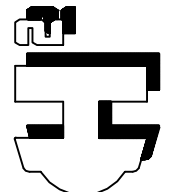
STRUCTURAL DESIGN BY:
 SOUTHERN ENGINEERS, P.A.
 3714 BENSON DR., RALEIGH, NC 27609
 LICENSE: C-4112, PHONE: 919-818-1471
 PROJECT #: 22-1132

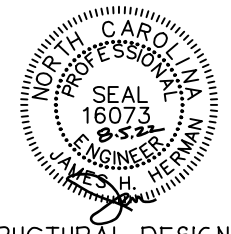
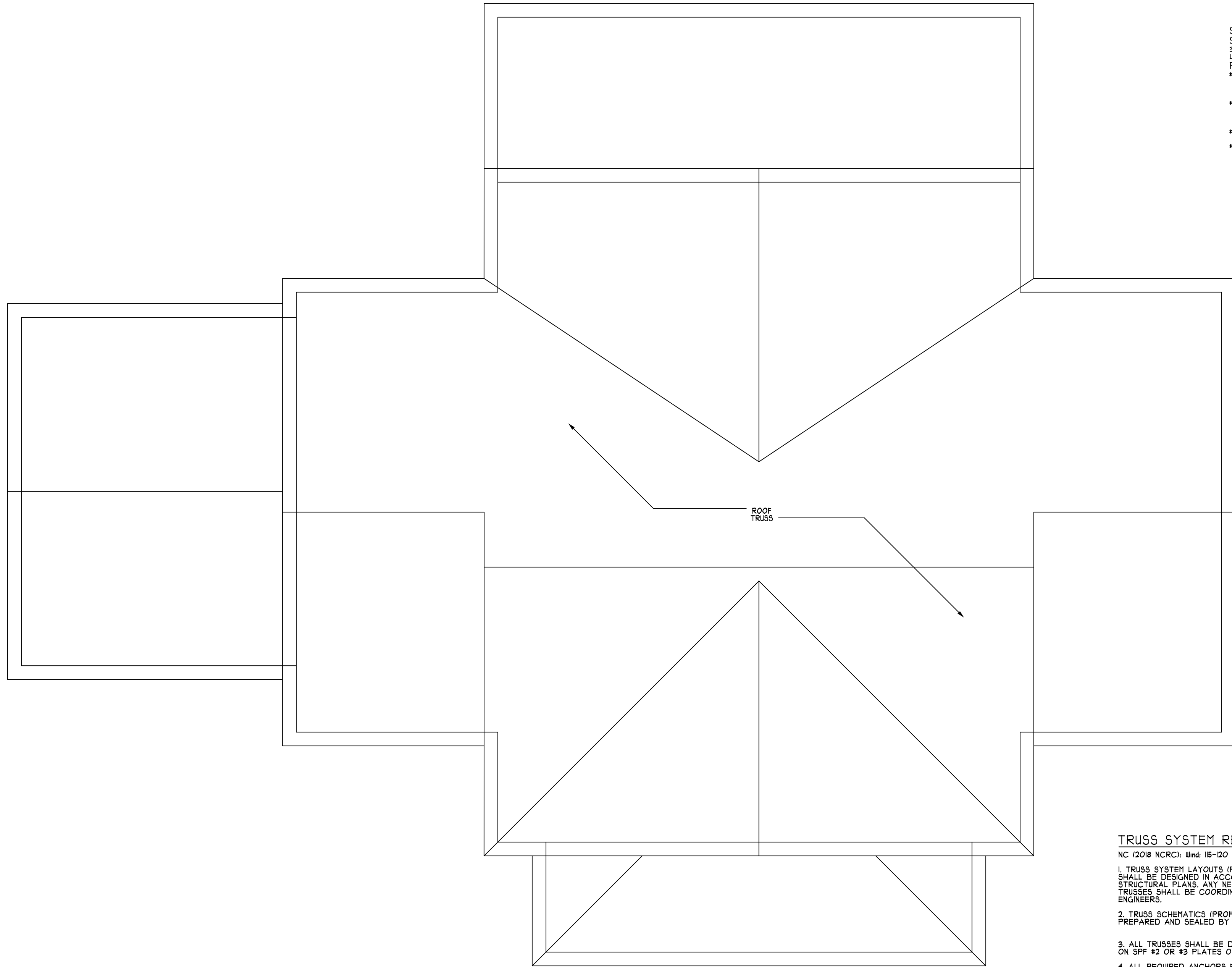
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REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS, AND STRUCTURAL NOTES



SECOND FLOOR
 STRUCTURAL PLAN
 SCALE 3/16" = 1'-0"

"THE HOPE CENTER"	
1142 NC HWY 55 E, DUNN	
BUCK GODWIN CONSTR.	
HEATED FOOTAGE:	
# 5410	
SQUARE FOOTAGE:	
FIRST FLOOR	= 2763
SECOND FLOOR	= 2647
FRONT PORCH	= 248
COVD PATIO	= 456
DESIGNED BY:	HEATHER or JOHANNATHAN HALL 165 HEATHERSTONE CT BENSON NC 27504 (919) 207-1403
 H SQUARED HOME DESIGN, INC.	
THIS PLAN HAS BEEN DRAWN IN ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODES 2018 EDITION.	
ANY DEVIATION OF THIS PLAN, DIMENSIONS OR OTHERWISE, H SQUARED HOME DESIGN, INC. IS NOT LIABLE. This plan is to be built by the homeowner or builder as cited in this title block only. Not released for multiple builds.	
DATE:	01/05/22
2 STORY	
FILE:	11 21 21



STRUCTURAL DESIGN BY:
 SOUTHERN ENGINEERS, P.A.
 3714 BENSON DR., RALEIGH, NC 27609
 LICENSE: C-4112, PHONE: 919-818-1411
 PROJECT #: 22-1132

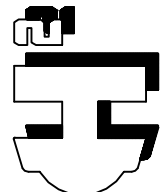
- * Engineer's seal applies only to structural components on this document. Seal does not include construction means, methods, techniques, sequences, procedures or safety precautions.
- * Any deviations or discrepancies on plans are to be brought to the immediate attention of Southern Engineers. Failure to do so will void Southern Engineer's liability.
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REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS, AND STRUCTURAL NOTES

TRUSS SYSTEM REQUIREMENTS

- NC (2018 NCRC): Wind: 115-120 MPH
1. TRUSS SYSTEM LAYOUTS (PLACEMENT PLANS) SHALL BE DESIGNED IN ACCORDANCE WITH SEALED STRUCTURAL PLANS. ANY NEED TO CHANGE TRUSSES SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
 2. TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
 3. ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON 5PF #2 OR #3 PLATES OR LEDGERS (UNO).
 4. ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.

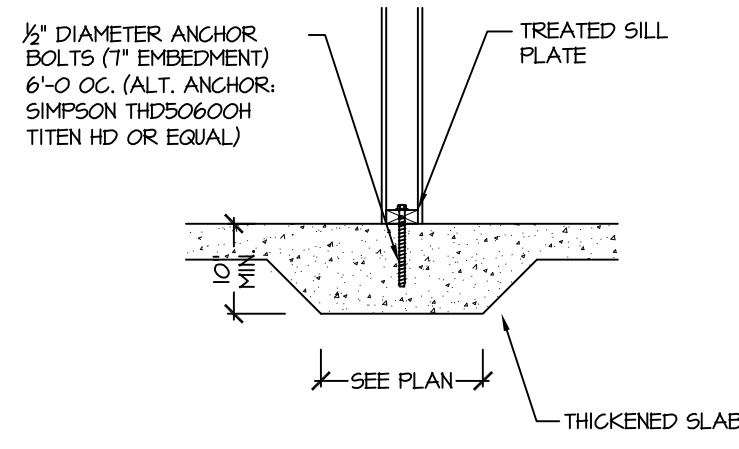
ROOF PLAN
 SCALE 3/16" = 1'-0"

	
H SQUARED HOME DESIGN, INC.	
<small>DESIGNED BY: HEATHER or JOHANNATHAN HALL 165 HEATHERSTONE CT BENSON NC 27504 (919) 207-1403</small>	
<small>ANY DEVIATION OF THIS PLAN, DIMENSIONS OR OTHERWISE, H SQUARED HOME DESIGN, INC. IS NOT LIABLE. This plan is to be built by the homeowner or builder as cited in this title block only. Not released for multiple builds.</small>	<small>THIS PLAN HAS BEEN DRAWN IN ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODES 2018 EDITION.</small>
<small>DATE: 01/05/22</small>	
2 STORY	
<small>FILE: 11 21 21</small>	
<small>HEATED FOOTAGE: # 5410</small>	
<small>SQUARE FOOTAGE: FIRST FLOOR = 2763 SECOND FLOOR = 2847 FRONT PORCH = 248 COVD PATIO = 456</small>	
"THE HOPE CENTER" 1142 NC HWY 55 E, DUNN BUCK GODWIN CONSTR.	

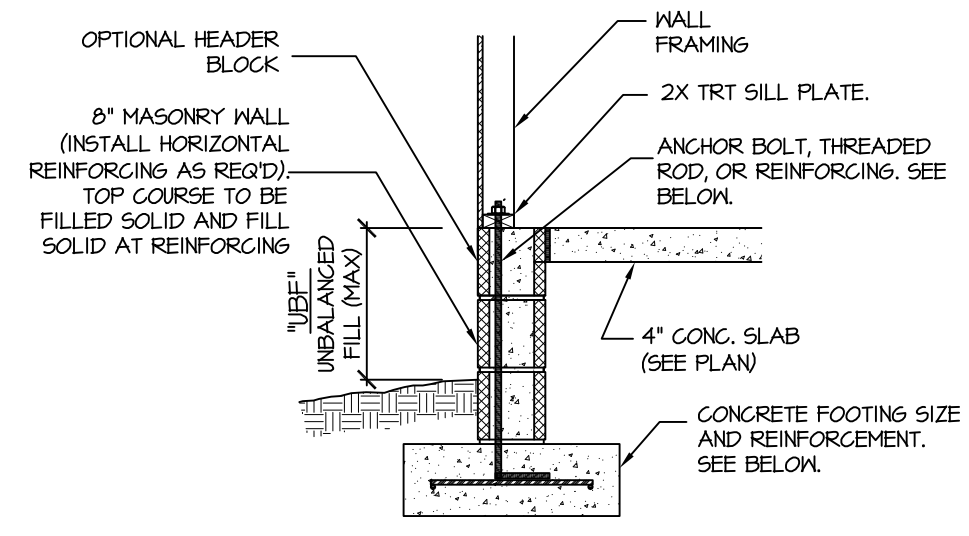
STRUCTURAL NOTES

NC (2018 NCRG): Wind: 115-120 mph

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPs, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER & GIRDER SYSTEM, FOOTING, AND PILING SYSTEM. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM. ALL REQUIREMENTS FOR PROFESSIONAL CERTIFICATION SHALL BE PROVIDED BY THE APPROPRIATE PROFESSIONAL. SOUTHERN ENGINEERS, P.A. CERTIFIES ONLY THE STRUCTURAL COMPONENTS AS SPECIFICALLY STATED.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE 2018 NC RESIDENTIAL CODE, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK, NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. "CONSTRUCTION REVIEW" SERVICES ARE NOT PART OF OUR CONTRACT. ALL MEMBERS SHALL BE FRAMED ANCHORED, TIED AND BRACED IN ACCORDANCE WITH GOOD CONSTRUCTION PRACTICE AND THE BUILDING CODE.
- DESIGN LOADS (LISTED AS: LIVE LOAD, DEAD LOAD, DEFLECTION)
 - ROOMS OTHER THAN SLEEPING ROOMS: (40 PSF, 10 PSF, L/360)
 - SLEEPING ROOMS: (30 PSF, 10 PSF, L/360)
 - ATTIC WITH PERMANENT STAIR: (40 PSF, 10 PSF, L/360)
 - ATTIC WITHOUT PERMANENT STAIR: (20 PSF, 10 PSF, L/360)
 - ATTIC WITHOUT STORAGE: (10 PSF, 10 PSF, L/240)
 - STAIRS: (40 PSF, 10 PSF, L/360)
 - EXTERIOR BALCONIES: (60 PSF, 10 PSF, L/360)
 - DECKS: (40 PSF, 10 PSF, L/360)
 - GUARDRAILS AND HANDRAILS: (200 LBS)
 - PASSENGER VEHICLE GARAGES: (50 PSF, 10 PSF, L/360)
 - FIRE ESCAPES: (40 PSF, 10 PSF, L/360)
 - SNOW: (20 PSF)
- WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANELS. SEE FRAMING NOTES FOR THICKNESS AND NAILING REQUIREMENTS.
- SEE APPENDIX M (DCA6) FOR EXTERIOR DECK REQUIREMENTS INCLUDING ATTACHMENTS FOR LATERAL LOADS.
- CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (NO). AIR ENTRAINED PER TABLE 402.2. ALL CONCRETE SHALL BE PROPORTIONED, MIXED, HANDLED, SAMPLED, TESTED, AND PLACED IN ACCORDANCE WITH ACI STANDARDS. ALL SAMPLES FOR PUMPING SHALL BE TAKEN FROM THE EXIT END OF THE PUMP. CONTROL JOINTS IN SLABS SHALL BE SPACED ON A GRID OF +30 TIMES THE DEPTH (D). CONTROL JOINTS SHALL BE SAWCUT TO A DEPTH OF 1/3 (I.E. 4" CONCRETE SLABS SHALL HAVE 1/4" DEEP CONTROL JOINTS SAWCUT IN SLAB ON A +10'-0" x +10'-0" GRID).
- ALLOWABLE SOIL BEARING PRESSURE ASSUMED TO BE 2000 PSF. THE CONTRACTOR MUST CONTACT A GEOTECHNICAL ENGINEER AND THE STRUCTURAL ENGINEER IF UNSATISFACTORY SUBSURFACE CONDITIONS ARE ENCOUNTERED. THE SURFACE AREA ADJACENT TO THE FOUNDATION WALL SHALL BE PROVIDED WITH ADEQUATE DRAINAGE, AND SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS.
- ALL FRAMING LUMBER SHALL BE SPP #2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (NO). ALL TREATED LUMBER SHALL BE SYP #2. PLATE MATERIAL MAY BE SPP #3 OR SYP #3 (Fc(perp) = 425 PSI - MIN).
- L.V.L. SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=285 PSI, E=1.4x10⁶ PSI.
 - P.S.L. SHALL BE PARALLEL STRAND LUMBER: Fb=2400 PSI, Fv=240 PSI, E=2.0x10⁶ PSI.
 - L.S.L. SHALL BE LAMINATED STRAND LUMBER: Fb=2250 PSI, Fv=400 PSI, E=1.55x10⁶ PSI. INSTALL ALL CONNECTIONS PER MANUFACTURERS INSTRUCTIONS.
- ALL ROOF TRUSS AND I-JOIST LAYOUTS SHALL BE PREPARED IN ACCORDANCE WITH THE SEALED STRUCTURAL DRAWINGS. TRUSSES AND I-JOISTS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS. ANY CHANGE IN TRUSS OR I-JOIST LAYOUT SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- ALL STRUCTURAL STEEL SHALL BE ASTM A-36. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER x 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOIST ARE TOE NAILED TO THE SOLE PLATE, AND SOLE PLATE IS NAILED OR BOLTED TO THE BEAM FLANGE @ 48" O.C. ALL STEEL TUBING SHALL BE ASTM A500.
- REBAR SHALL BE DEFORMED STEEL, ASTM615, GRADE 60. LAP ALL REBAR SPLICES 30 BAR DIAMETERS.
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM A325) WITH WASHERS PLACED UNDER THE THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" O.C. (MAX), AND STAGGERED AT THE TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH 2 BOLTS LOCATED AT 6" FROM EACH END.
- BRICK LINTELS (WHEN REQUIRED) SHALL BE 3 1/2"x3 1/2"x1/4" STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6"x4"x5/16" STEEL ANGLE WITH 6" LEG VERTICAL FOR SPANS UP TO 9'-0". SEE PLANS FOR SPANS OVER 9'-0". SEE ALSO SECTION R103.B.3 LINTELS.

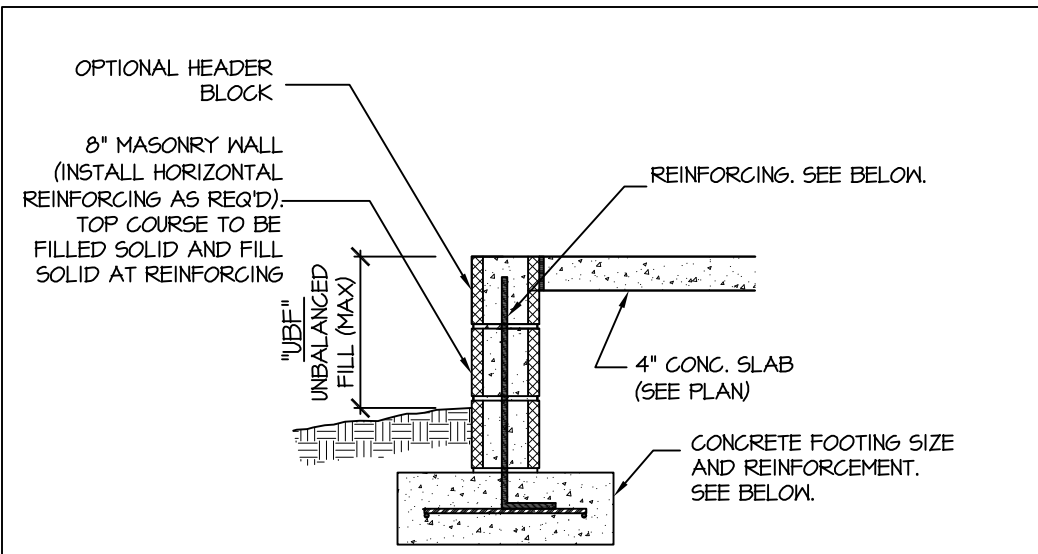


THICKENED SLAB
(INTERIOR BEARING WALL)



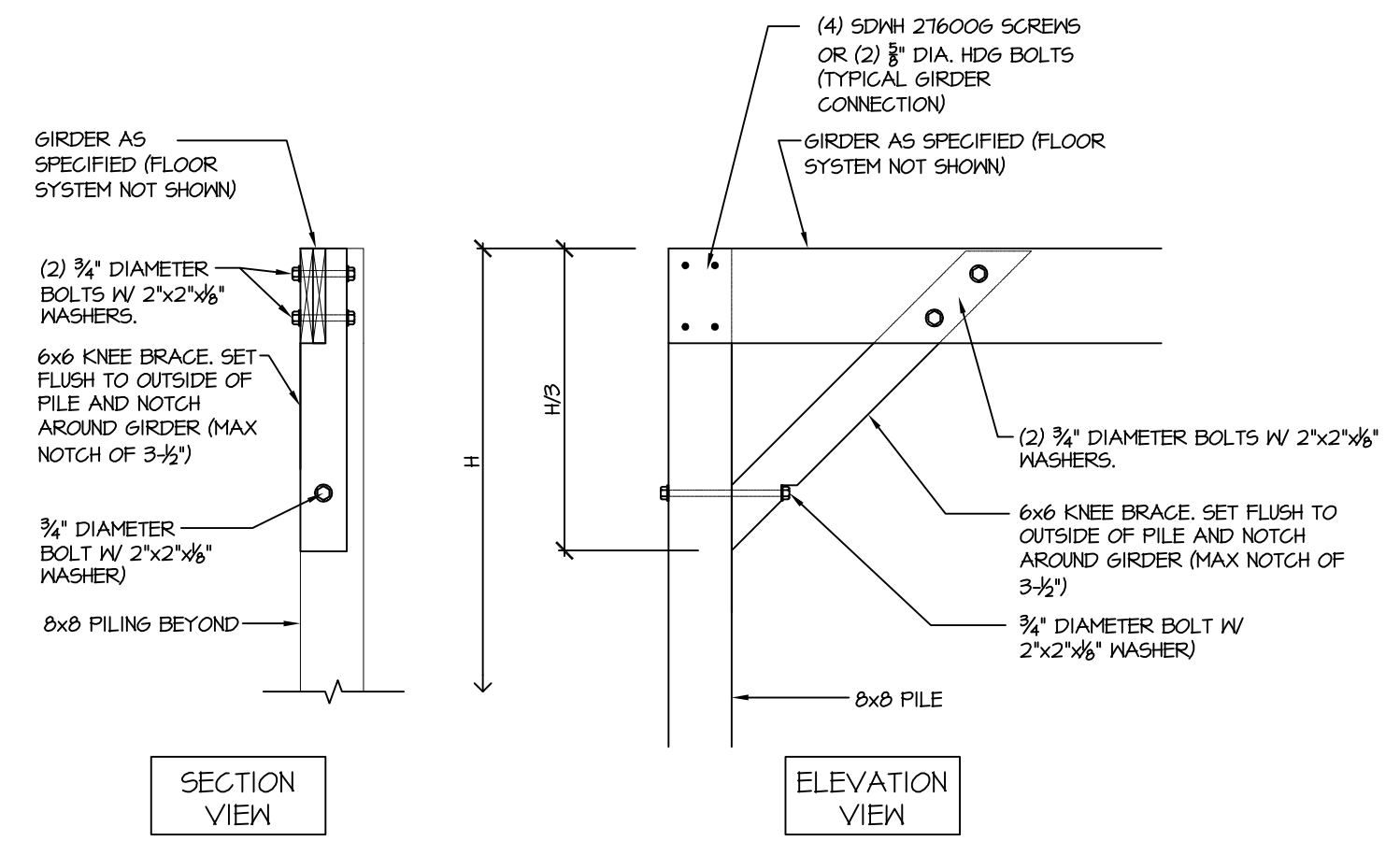
- "UBF" = UP TO 16" → 1/2" DIAM ANCHOR BOLT (EMBED 7") @ 6'-0" O.C. 16" WIDE BY 8" DEEP (MIN) CONG. FTG.
- "UBF" = 16" UP TO 24" → 1/2" DIAM ANCHOR BOLT (EMBED 7") @ 6'-0" O.C. REINFORCE WALL W/ #5 BAR @ 48" O.C. W/ 7.5" LEG INTO FTG. OR INSTALL 3/8" THREADED ROD W/ 7.5" LEG @ 48" O.C. WITH WASHERS 24" WIDE BY 10" DEEP CONG FTG REINFORCED W/ (3) #4 BAR OR (2) #5 BAR CONTINUOUS WITH #4 TIES @ 48" O.C.
- "UBF" = 24" UP TO 48" → 1/2" DIAM ANCHOR BOLT (EMBED 7") @ 6'-0" O.C. REINFORCE WALL W/ #5 BAR @ 24" O.C. W/ 7.5" LEG INTO FTG. 32" WIDE BY 12" DEEP CONG FTG REINFORCED W/ (4) #4 BAR OR (3) #5 BAR CONTINUOUS WITH #4 TIES @ 24" O.C.

STEM WALL SLAB FOOTING
(SIDING OR EQUAL)

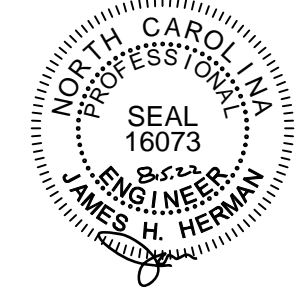


- "UBF" = UP TO 16" → 8" MASONRY (UN-REINFORCED) ON 16" WIDE BY 8" DEEP (MIN) CONG. FTG.
- "UBF" = 16" UP TO 24" → REINFORCE WALL W/ #5 BAR @ 48" O.C. W/ 6" BEND INTO FTG. 24" WIDE BY 10" DEEP CONG FTG REINFORCED W/ (3) #4 BAR OR (2) #5 BAR CONTINUOUS WITH #4 TIES @ 48" O.C.
- "UBF" = 24" UP TO 48" → REINFORCE WALL W/ #5 BAR @ 24" O.C. W/ 6" BEND INTO FTG. 32" WIDE BY 12" DEEP CONG FTG REINFORCED W/ (4) #4 BAR OR (3) #5 BAR CONTINUOUS WITH #4 TIES @ 24" O.C.

FILLED PORCH WALL



TYP. 6x6 "Y" BRACE
(APPROVED ALTERNATE METHODS ACCEPTABLE)



PROJECT #
22-1732

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Seal is valid for projects permitted one year from date of seal.
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Southern Engineers, P.A.
3716 Benson Drive, Raleigh, NC 27609
Phone: (919) 878-1617
License: C-4772
www.southernengineers.com

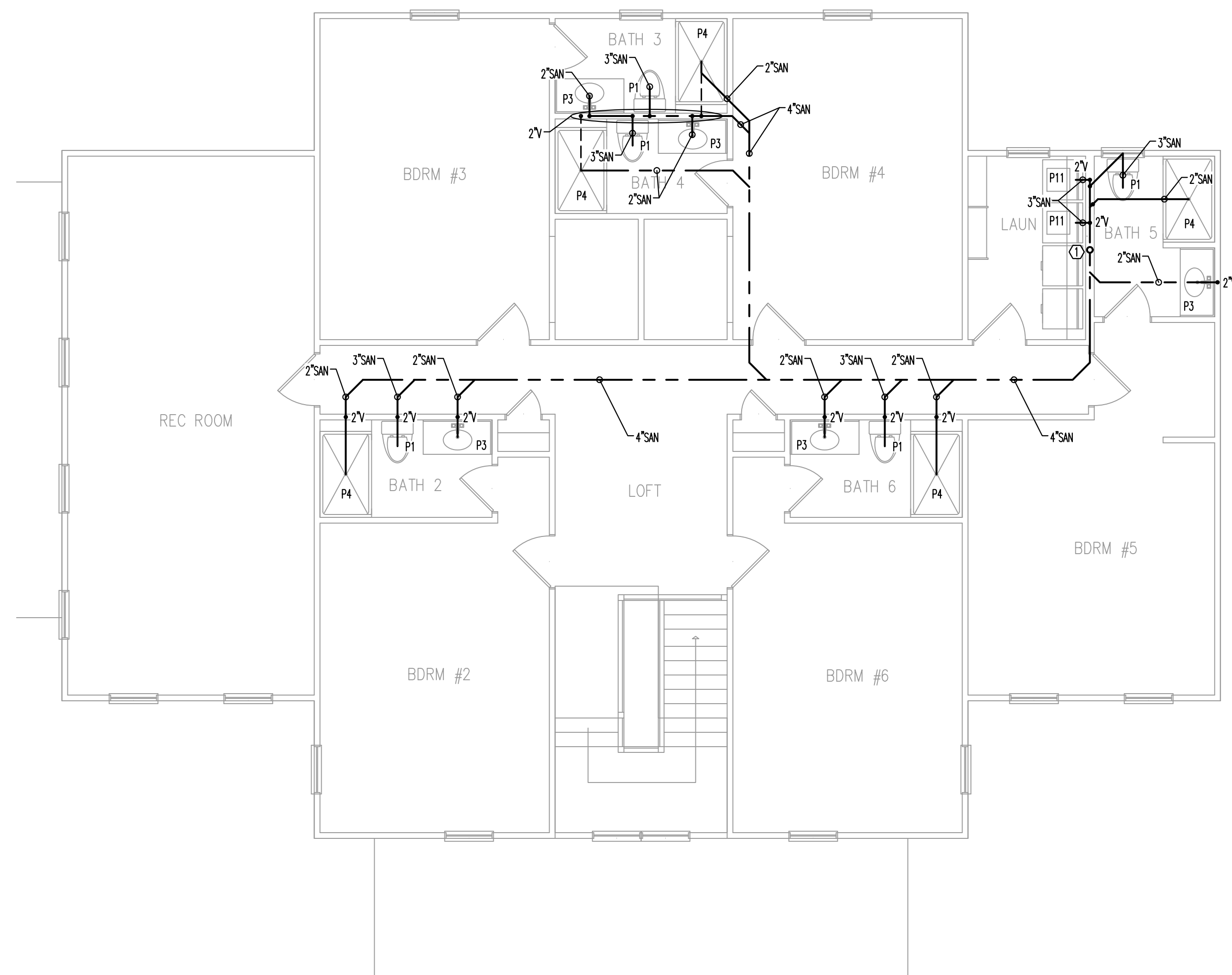
H Squared Home Design, Inc.
165 Heatherstone Ct, Benson, NC 27504
Phone: (919) 207-1403

THE HOPE CENTER
1142 HWY 55 E, DUNN
BUCK GODWIN CONSTR.

SD

SANITARY PLAN HEX NOTES

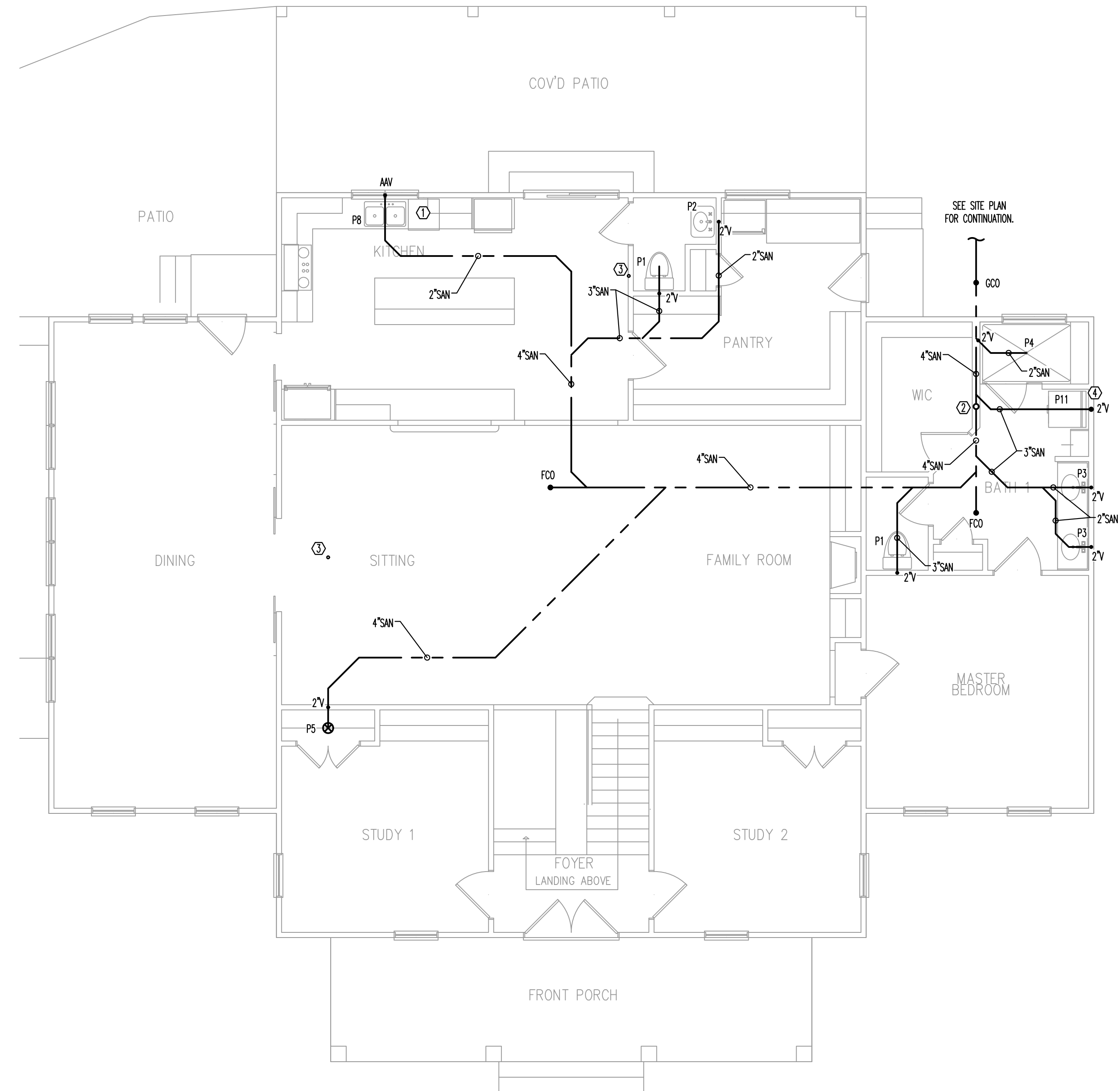
1. 4" SANITARY DESCENDING TO FIRST FLOOR.



SECOND FLOOR SANITARY PLAN - SCALE: 3/16"=1' 1

SANITARY PLAN HEX NOTES

1. INSTALL SANITARY CONNECTION FOR DISHWASHER PER MANUFACTURERS RECOMMENDATIONS.
2. 4" SANITARY DESCENDING FROM SECOND FLOOR.
3. 2" SANITARY VENT ASCENDING TO SECOND FLOOR.
4. 3" SANITARY VENT ASCENDING TO SECOND FLOOR.



FIRST FLOOR SANITARY PLAN - SCALE: 3/16"=1' 2



NEW CONSTRUCTION
THE HOPE CENTER
 1142 NC HWY 56 E DUNN, NC

REVISION:

ISSUED:

DRAWN BY: JSL
 CHECKED BY: MKW, CKL

SANITARY PLAN

SHEET NO.

P2



⬡ SUPPLY PLAN HEX NOTES

1. SEE SUPPLY PLAN ON P3 TO SEE WHERE FIXTURES CONNECTS TO MAIN LINE.

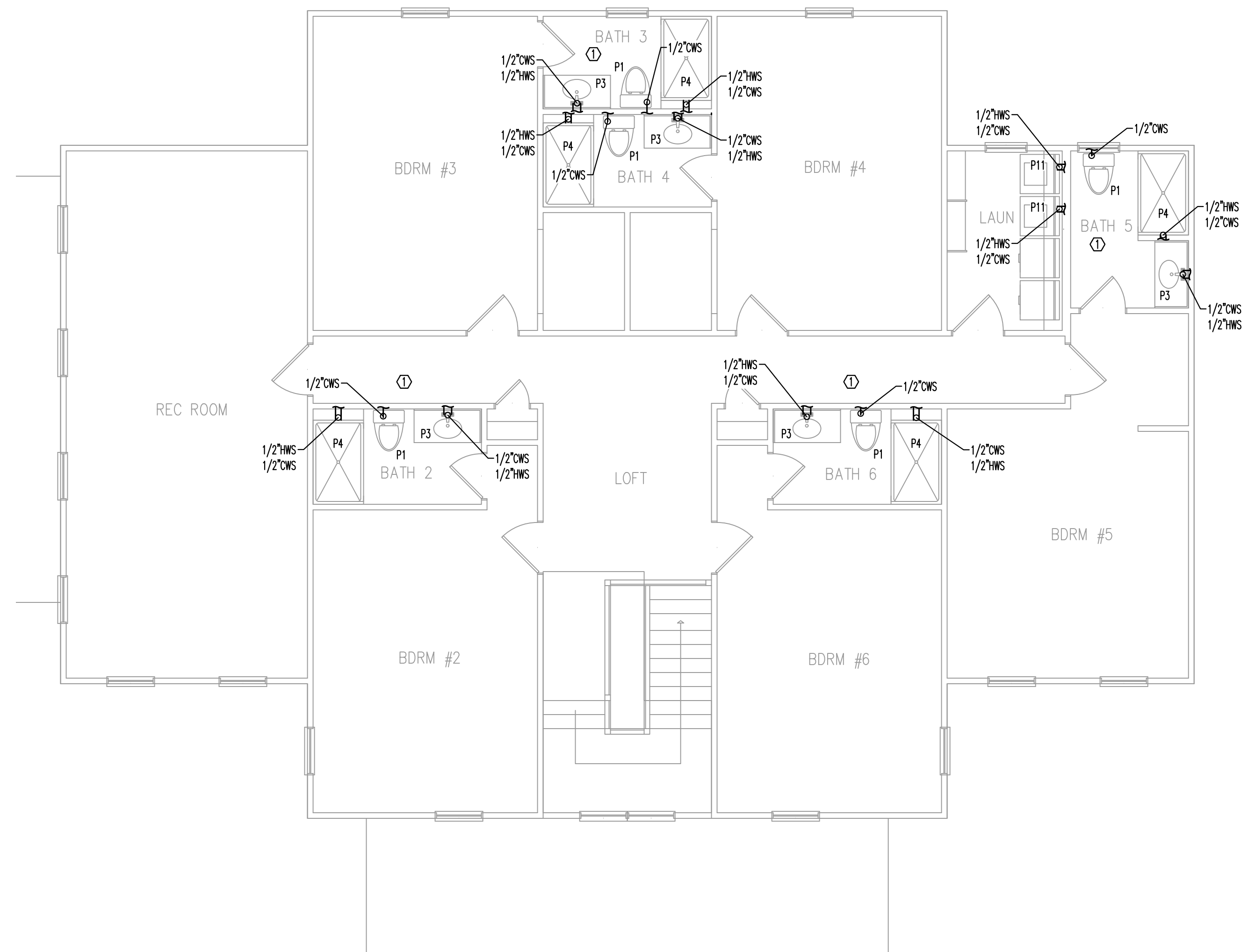
ALL REQUIRED VALVES NOT SHOWN.
 INSTALL FULL OPEN VALVES PER 2018 PC CODE 606.1.5 AND 606.1.8
 INSTALL SHUT OFF VALVES PER 2018 NC PLUMBING CODE 606.2 AND 606.2.1

⬡ SUPPLY PLAN HEX NOTES

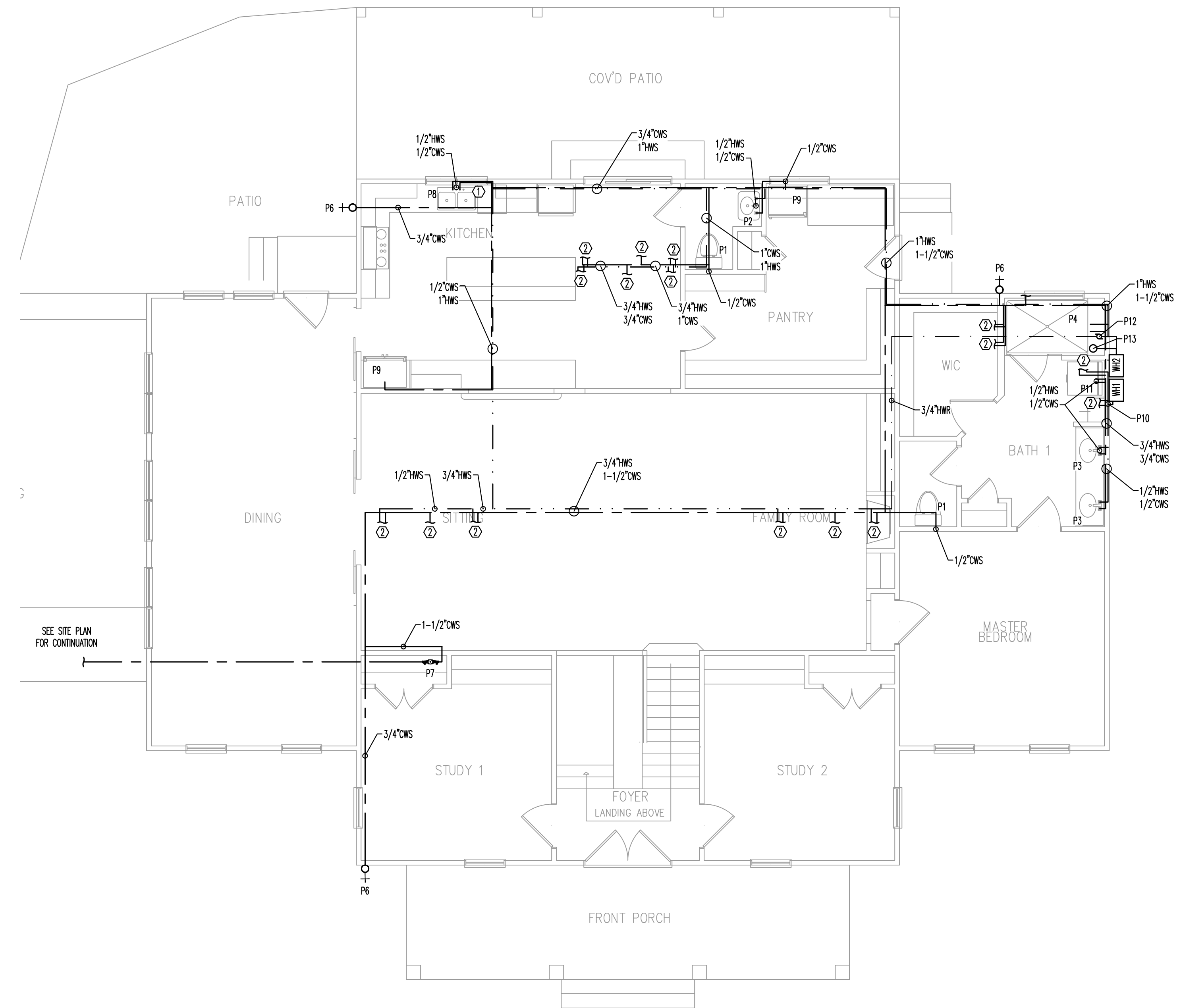
1. INSTALL 1/2" HWS SUPPLY CONNECTION FOR DISHWASHER PER MANUFACTURERS RECOMMENDATIONS.
 2. SUPPLY LINE(S) CONNECT TO FIXTURE ON SECOND FLOOR, SEE P4.1.

ALL REQUIRED VALVES NOT SHOWN.
 INSTALL FULL OPEN VALVES PER 2018 PC CODE 606.1.5 AND 606.1.8
 INSTALL SHUT OFF VALVES PER 2018 NC PLUMBING CODE 606.2 AND 606.2.1

PC TO COORDINATE W/ GC ON LOCATION OF ACCESS PANELS FOR HOT WATER RE-CIRCULATION PUMP(P12), EXPANSION TANK(P13), & THERMOSTATIC MIXING VALVE(P10).



SECOND FLOOR SUPPLY PLAN - SCALE: 3/16"=1' 1



FIRST FLOOR SUPPLY PLAN - SCALE: 3/16"=1' 2

REVISION:	DATE	BY

ISSUED:	DATE	BY

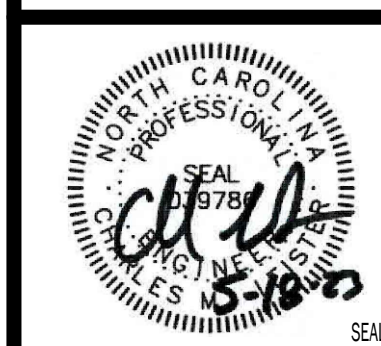
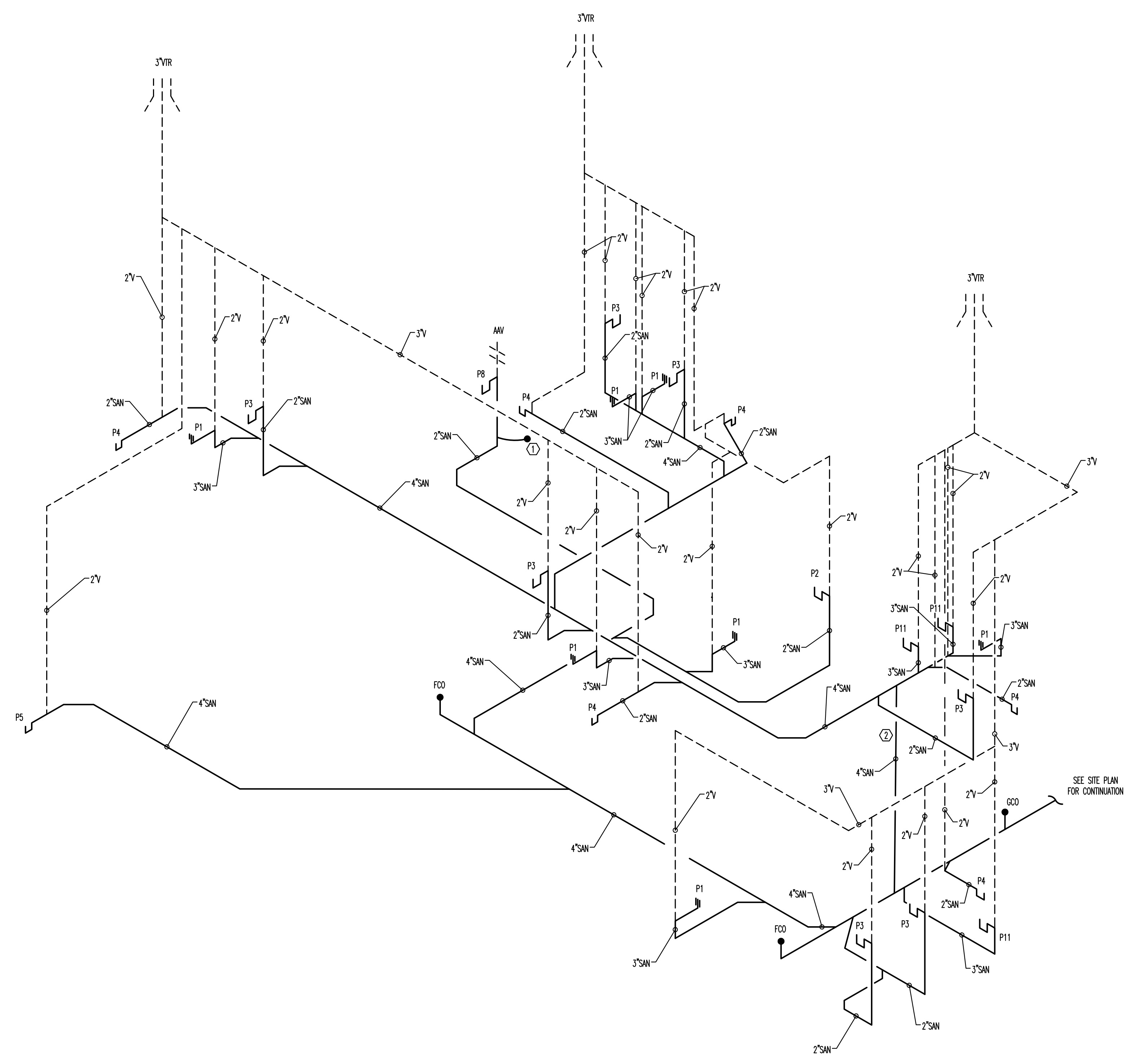
DRAWN BY: JSJ
 CHECKED BY: MMW, CML

SUPPLY PLAN

SHEET NO.

P3

- SANITARY RISER HEX NOTES**
1. INSTALL SANITARY CONNECTION FOR DISHWASHER PER MANUFACTURERS RECOMMENDATIONS.
 2. 4" SANITARY DESCENDING FROM SECOND FLOOR.



NEW CONSTRUCTION
THE HOPE CENTER
 1142 NC HWY 56 E DUNN, NC

REVISION:

ISSUED:

DRAWN BY: JSL
 CHECKED BY: MKK, CML
SANITARY RISER

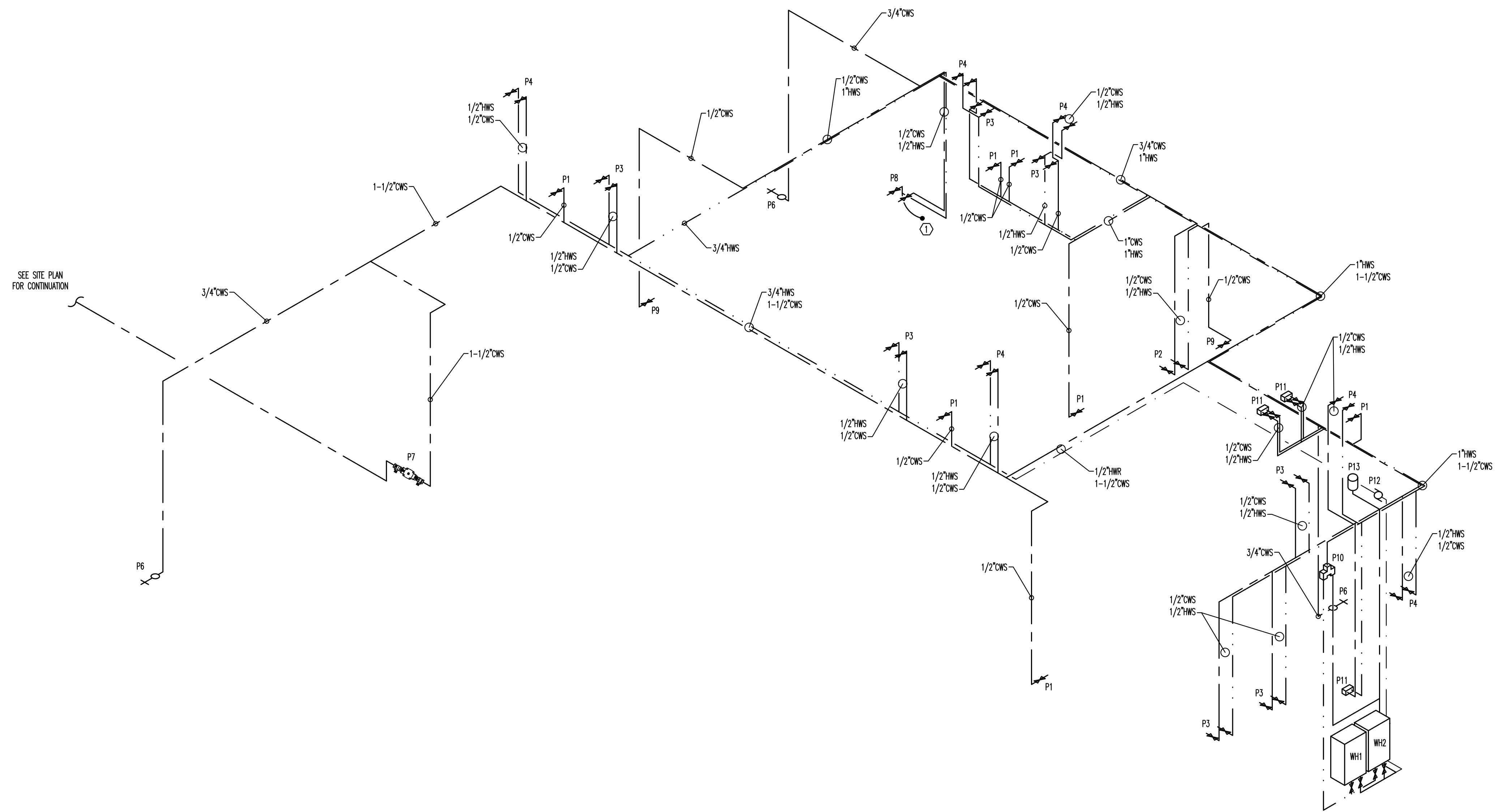
SHEET NO.
P4



○ SUPPLY RISER HEX NOTES

1. INSTALL 1/2" HWS SUPPLY CONNECTION FOR DISHWASHER PER MANUFACTURERS RECOMMENDATIONS.

ALL REQUIRED VALVES NOT SHOWN.
 INSTALL FULL OPEN VALVES PER 2018 PC CODE 606.1.5 AND 606.1.8
 INSTALL SHUT OFF VALVES PER 2018 NC PLUMBING CODE 606.2 AND 606.2.1



PC TO COORDINATE W/ GC ON LOCATION OF ACCESS PANELS FOR HOT WATER RE-CIRCULATION PUMP(P12), EXPANSION TANK(P13), & THERMOSTATIC MIXING VALVE(P10).

SEE SITE PLAN FOR CONTINUATION

REVISION:

ISSUED:

DRAWN BY: JSL
 CHECKED BY: MWK/CML

SUPPLY RISER

SHEET NO:
P5

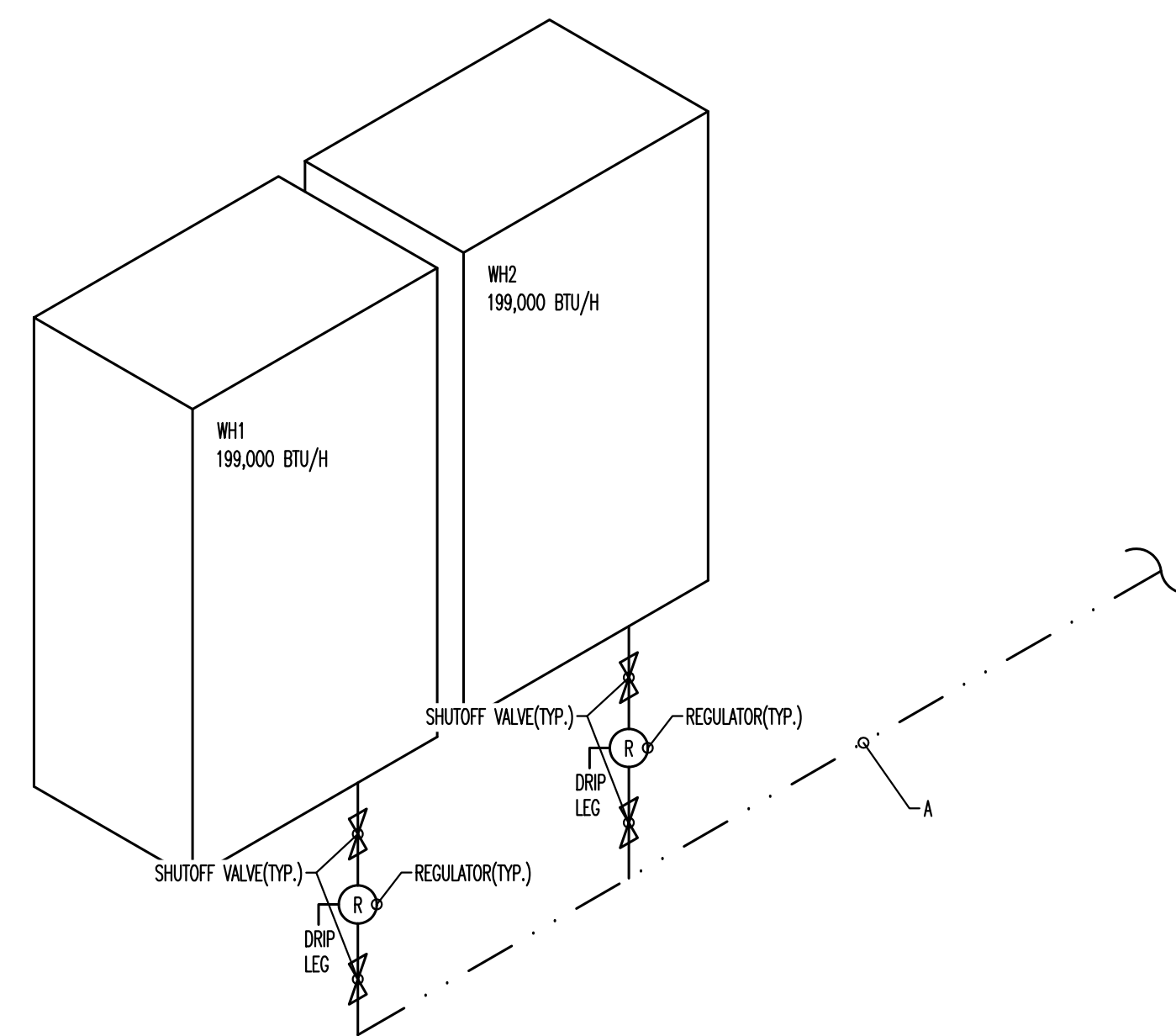
GENERAL GAS LINE PIPING NOTES

- THE GAS PIPING CONTRACTOR (GPC) SHALL PROVIDE ALL MATERIALS AND LABOR AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM AS DESCRIBED BY THESE PLANS AND SPECIFICATIONS.
- THE GPC SHALL INSTALL ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH THE 2018 NORTH CAROLINA FUEL GAS CODE AND ANY APPLICABLE LOCAL CODES. WHERE A CONFLICT EXISTS BETWEEN THE ABOVE REQUIREMENTS, THE MORE STRINGENT SHALL BE USED. THE CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE ENGINEER IN THE EVENT ANY PART OF THESE PLANS CONFLICTS WITH THE ABOVE REQUIREMENTS.
- THE GPC SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS NECESSARY FOR THE COMPLETION OF THE WORK UNDER THIS CONTRACT.
- DO NOT SCALE THESE DRAWINGS—REFER TO ARCHITECTURAL SHEETS FOR DIMENSIONS.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS. CONTRACTOR SHALL CONTACT THE ENGINEER TO RESOLVE ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THESE PLANS.
- THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL INSTALL HIGH PRESSURE REGULATORS AT EACH PIECE OF EQUIPMENT AS NECESSARY.
- INSTALL A DRIP LEG IN GAS LINE AT EACH POINT WHERE CONDENSATE COULD COLLECT. ALL DRIP LEGS SHALL BE READILY ACCESSIBLE FOR CLEANING OR EMPTYING.
- PIPING SHALL BE SCHEDULE 40 STEEL OR WROUGHT IRON AND COMPLY WITH ANSI/ASME B36.10, ASTM A 53, OR ASTM A 106.
- ALL PIPES AND FITTINGS SHALL BE NEW, FREE OF DEFECTS, AND RATED FOR THE APPLICATION.
- ALL PIPING SHALL BE INSTALLED SO AS NOT TO BE SUBJECT TO PHYSICAL DAMAGE.
- PVC VENT PIPING SHALL NOT BE INSTALLED INDOORS.
- THE TYPE OF PIPING JOINT USED SHALL BE SUITABLE FOR THE PRESSURE-TEMPERATURE CONDITIONS AND SHALL BE SELECTED CONSIDERING JOINT TIGHTNESS AND MECHANICAL STRENGTH UNDER THE SERVICE CONDITIONS.
- PIPE JOINTS SHALL BE THREADED, FLANGED, BRAZED, OR WELDED.
- FLEXIBILITY SHALL BE PROVIDED BY THE USE OF BENDS, LOOPS, OFFSETS, OR COUPLINGS OF THE SLP TYPE. PROVISIONS SHALL BE MADE TO ABSORB THERMAL CHANGES BY THE USE OF EXPANSION JOINTS OF THE BELLOWS TYPE OR BY THE USE OF "BALL" OR "SNIKEL" JOINTS. DO NOT USE EXPANSION JOINTS OF THE SLP TYPE INSIDE THE BUILDING. PIPE ALIGNMENT GUIDES SHALL BE USED WITH EXPANSION JOINTS PER THE MFG.
- ALL GAS PIPING SHALL BE LABELED TO INDICATE THE PRESSURE.
- PIPE HANGERS AND SUPPORTS SHALL CONFORM TO ANSI/MSS SP-58.
- BENDS SHALL BE MADE ONLY WITH BENDING TOOLS AND PROCEDURES INTENDED FOR THAT PURPOSE. DO NOT BEND PIPE THROUGH AN ARC OF MORE THAN 90°. ALL BENDS SHALL BE SMOOTH AND FREE OF CRACKS, BUCKLING, OR OTHER EVIDENCE OF DAMAGE.
- INSTALL GAS SHUTOFF VALVES UPSTREAM OF EACH GAS REGULATOR. VALVES SHALL BE READILY ACCESSIBLE AND NOT SUBJECT TO PHYSICAL DAMAGE.
- WHERE A SEDIMENT TRAP IS NOT INCORPORATED AS PART OF THE APPLIANCE, A SEDIMENT TRAP SHALL BE INSTALLED DOWNSTREAM OF THE APPLIANCE SHUTOFF VALVE AS CLOSE TO THE INLET OF THE APPLIANCE AS PRACTICAL.
- PRIOR TO ACCEPTANCE BY THE OWNER, ALL GAS PIPING INSTALLATIONS SHALL BE INSPECTED AND PRESSURE TESTED IN ACCORDANCE WITH SECTION 406 OF THE NC FUEL GAS CODE.

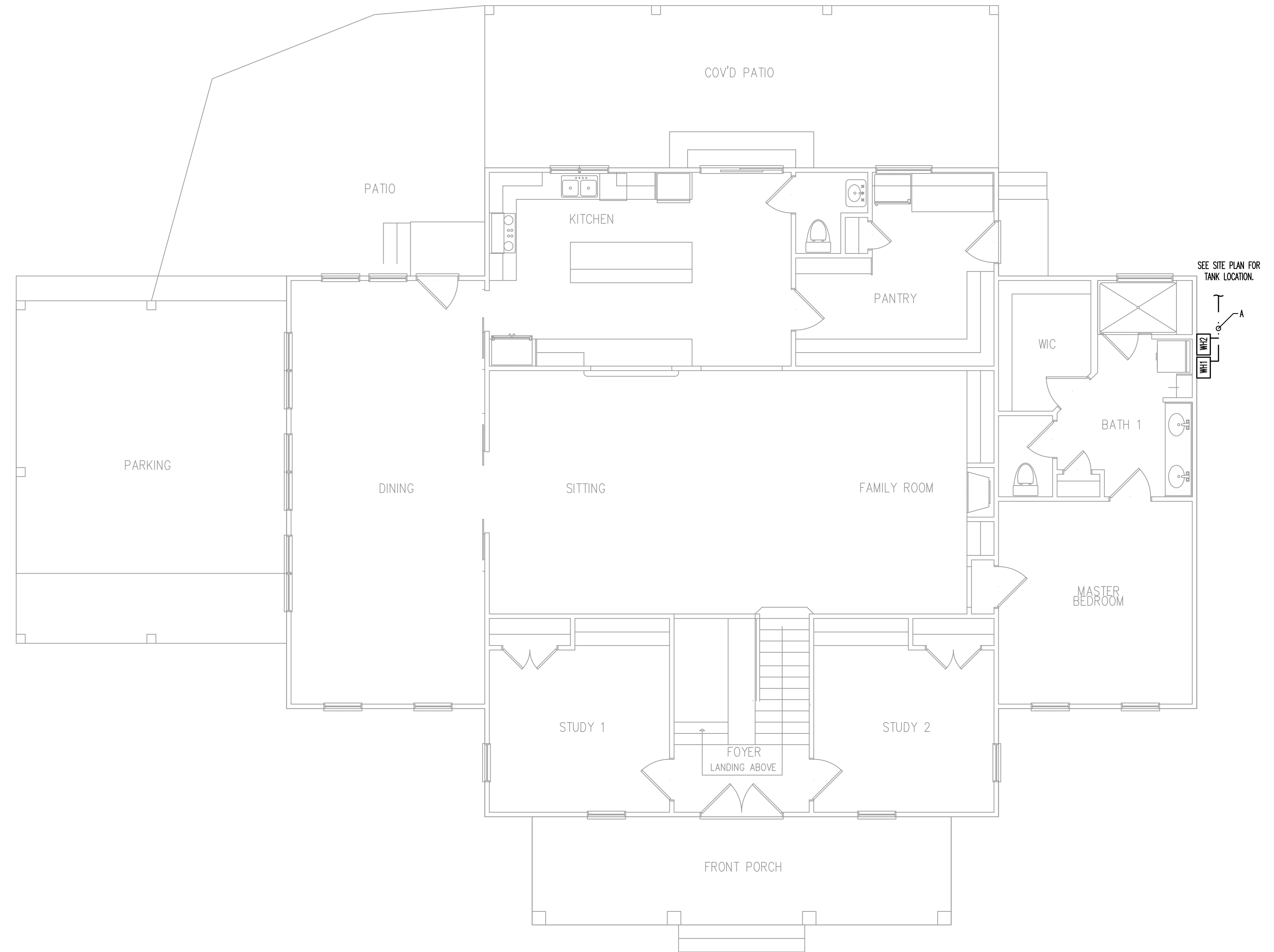
GAS LINE SIZING VERIFICATION TABLE				
PER 2018 NORTH CAROLINA FUEL GAS CODE TABLE 402.4(27)				
SECTION	GAS LOAD MBTU/H	LINE SIZE INCHES	CAPACITY CFH	PRESSURE
A	398	3/4	1,820	2 PSI

NOMINAL LENGTH - 80'

GENERAL GAS NOTES 1

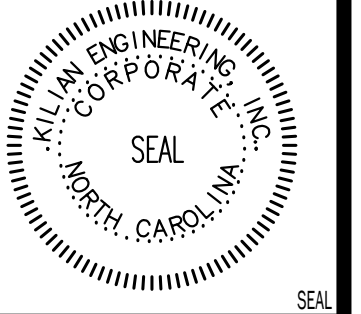


GAS PIPING RISER - NO SCALE 3



GAS PIPING PLAN - SCALE: 3/16"=1' 3

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NEW CONSTRUCTION
THE HOPE CENTER
 1142 NC HWY 56 E DUNN, NC

REVISION:

NO.	DATE	DESCRIPTION

ISSUED:

NO.	DATE	DESCRIPTION

DRAWN BY: JSL
 CHECKED BY: MMK/CML

GAS PIPING PLAN
 SHEET NO. **P6**



REVISION:

ISSUED:

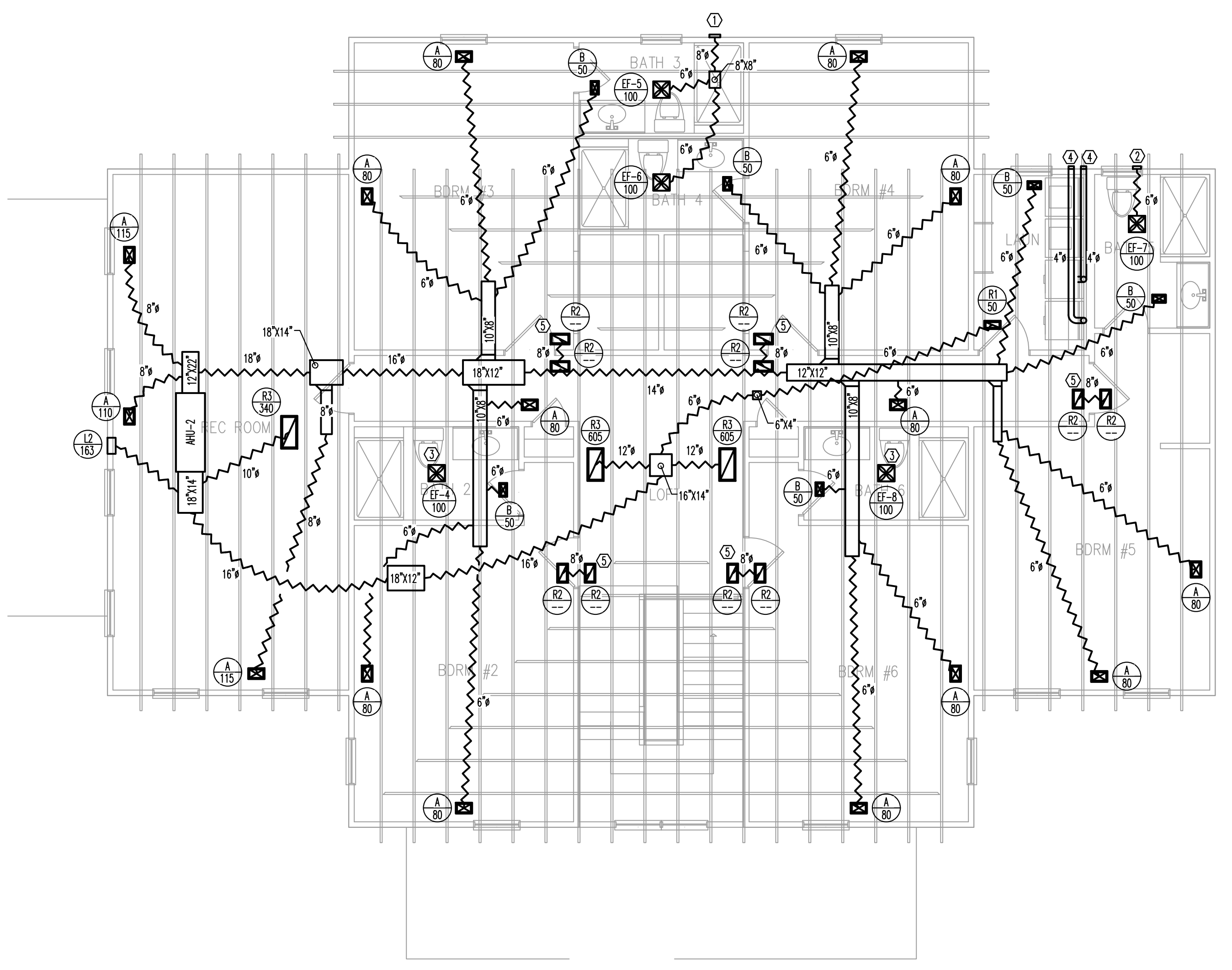
DRAWN BY: JSL
 CHECKED BY: MNK/CMAL
 MECHANICAL PLAN

SHEET NO.
M2
 PROJECT NO: 230277

HEX PLAN NOTES

1. MC TO ROUTE 8" EXHAUST DUCT TO EXTERIOR THROUGH WALL. TERMINATE W/ HOODED WALL CAP.
2. MC TO ROUTE 6" EXHAUST DUCT TO EXTERIOR THROUGH WALL. TERMINATE W/ HOODED WALL CAP.
3. MC TO ROUTE 6" EXHAUST DUCT TO EXTERIOR THROUGH ROOF. TERMINATE W/ HOODED ROOF CAP.
4. MC TO ROUTE 4" DRYER VENT TO EXTERIOR THROUGH WALL. TERMINATE W/ HOODED WALL CAP.
5. RETURN JUMPER DUCT.

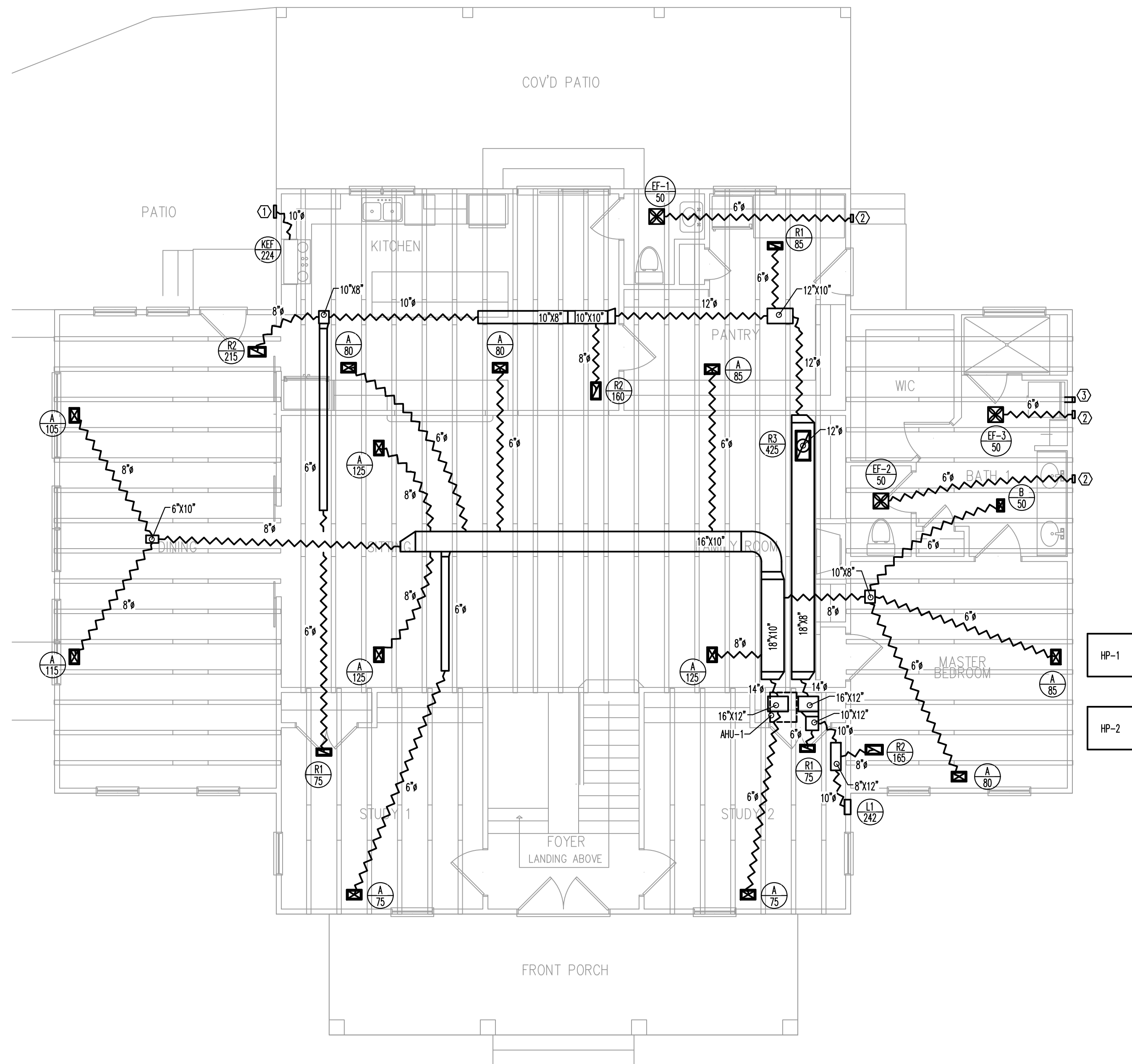
NOTE: GC TO COORDINATE W/ OWNER ON LOCATION OF ATTIC ACCESS.



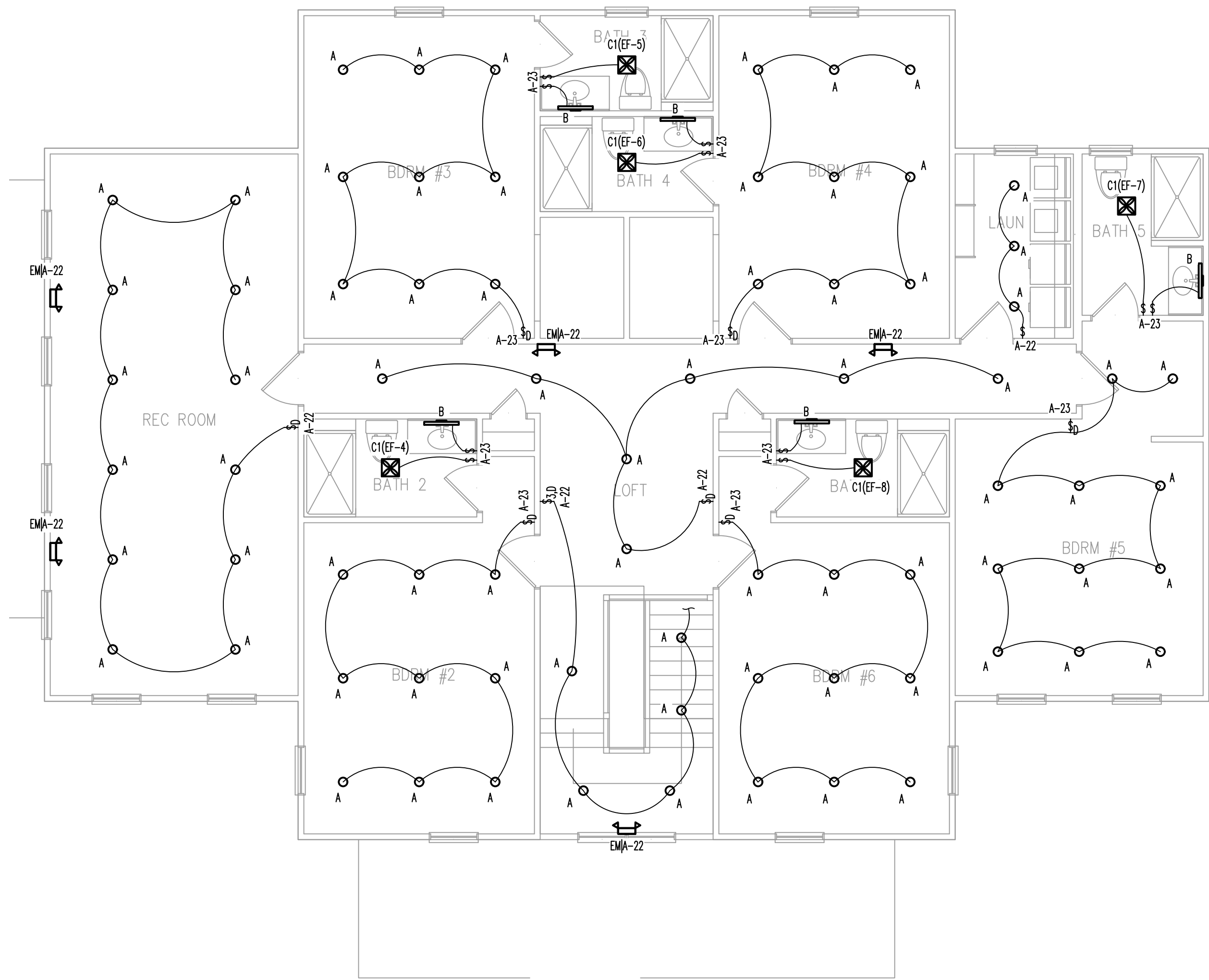
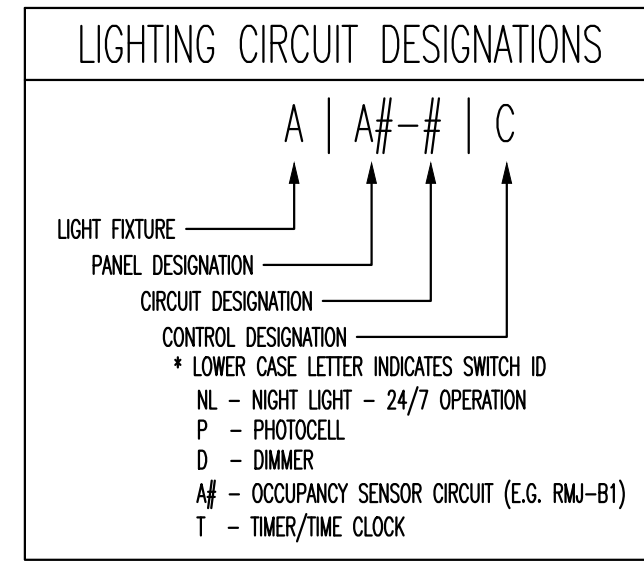
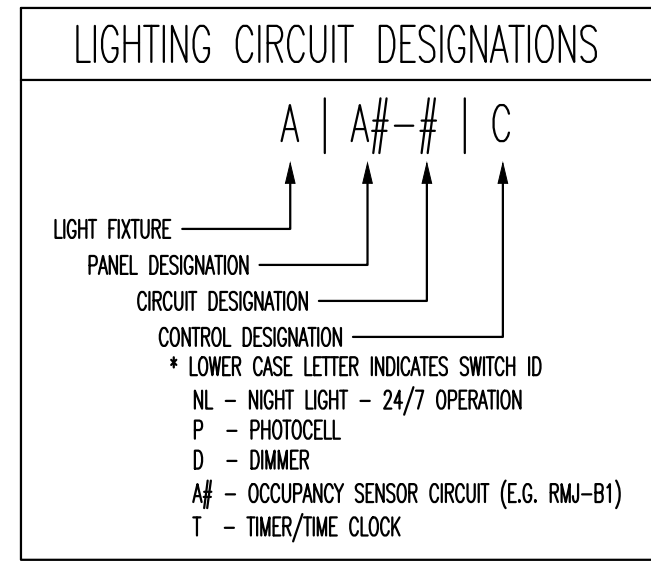
SECOND FLOOR MECHANICAL PLAN - SCALE: 3/16"=1' 1

HEX PLAN NOTES

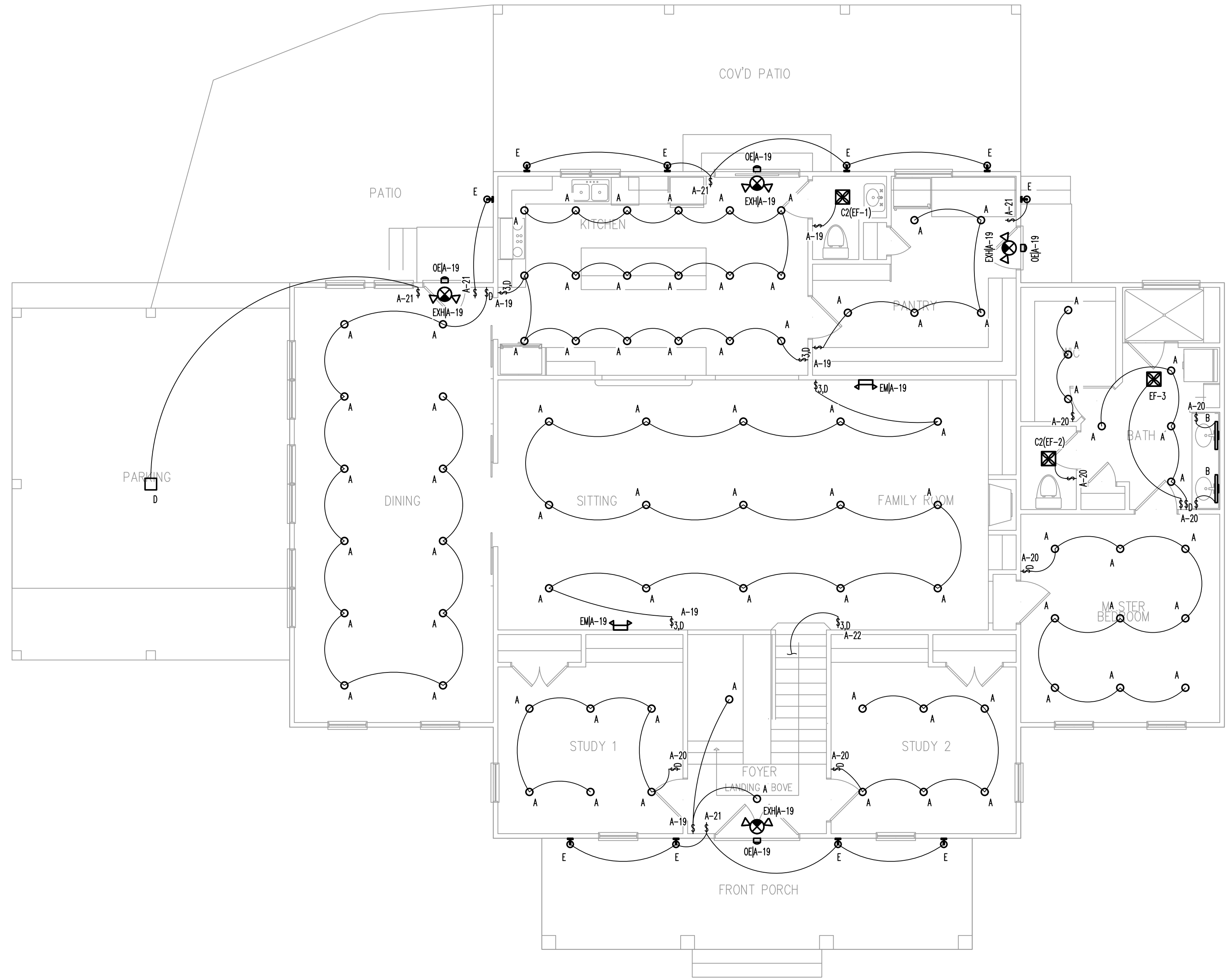
1. MC TO ROUTE 10" EXHAUST DUCT TO EXTERIOR THROUGH WALL. TERMINATE W/ HOODED WALL CAP.
2. MC TO ROUTE 6" EXHAUST DUCT TO EXTERIOR THROUGH WALL. TERMINATE W/ HOODED WALL CAP.
3. MC TO ROUTE 4" DRYER VENT TO EXTERIOR THROUGH WALL. TERMINATE W/ HOODED WALL CAP BELOW WATER HEATERS.



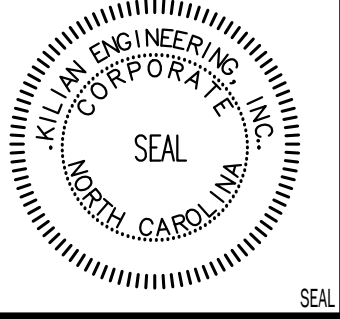
FIRST FLOOR MECHANICAL PLAN - SCALE: 3/16"=1' 2



SECOND FLOOR LIGHTING PLAN - SCALE: 3/16"=1' 1



FIRST FLOOR LIGHTING PLAN - SCALE: 3/16"=1' 2



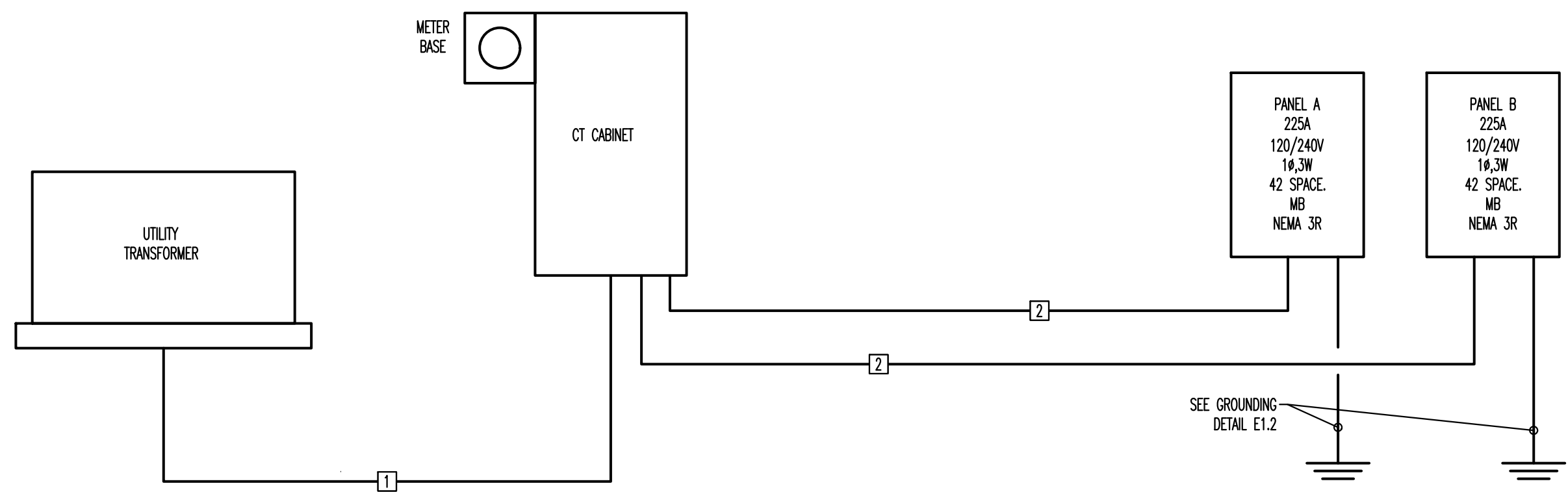
REVISION:

ISSUED:

DRAWN BY: JSL
 CHECKED BY: MINN/OML
 LIGHTING PLAN

SHEET NO.
E2

GENERAL FEEDER SCHEDULE		
MARK	WIRE AND CONDUIT	AMPS
1	2 SETS - 3-250 MCM CU, 3" C	500A
2	3-4/0 CU, 2-1/2" C	225A

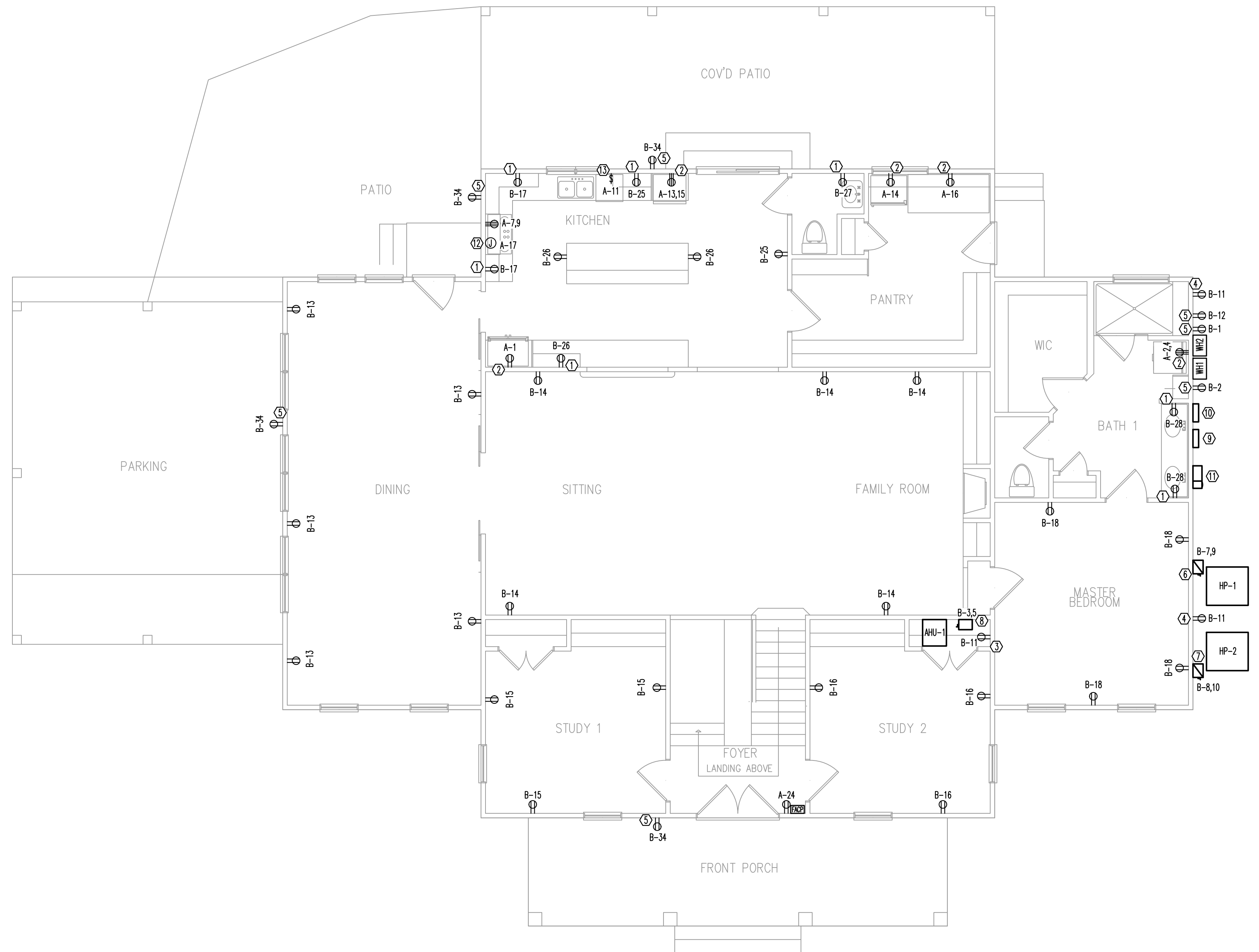
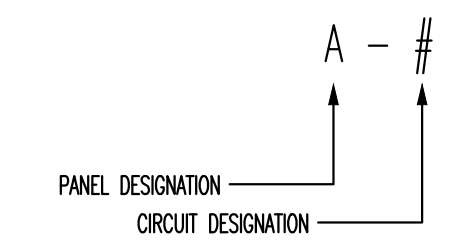


POWER RISER DIAGRAMS - NO SCALE 1

POWER PLAN HEX NOTES

1. GFCI RECEPTACLE MOUNTED 42" A.F.F.
2. RECEPTACLE TO BE ON GFCI BREAKER.
3. GFCI SERVICE RECEPTACLE.
4. GFCI/WP SERVICE RECEPTACLE.
5. GFCI/WP RECEPTACLE.
6. 240V, 16, NEMA 3R, 30A DISCONNECT FUSED AT 30A FOR HP-1. EC TO MOUNT AT ACCESSIBLE LOCATION.
7. 240V, 16, NEMA 3R, 50A DISCONNECT FUSED AT 40A FOR HP-2. EC TO MOUNT AT ACCESSIBLE LOCATION.
8. 240V, 14, NEMA 1, 50A NON-FUSED DISCONNECT FOR AHU-1. EC TO MOUNT DISCONNECT AT ACCESSIBLE LOCATION.
9. PANEL A.
10. PANEL B.
11. METER BASE & CT CABINET.
12. LOCATE JUNCTION BOX ABOVE COOK TOP IN CASEWORK.
13. MOTOR RATER SWITCH. EC TO MOUNT AT ACCESSIBLE LOCATION.

POWER CIRCUIT DESIGNATIONS



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SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 5-18-23
 SEAL
 KILIAN ENGINEERING, INC.
 CORPORATE
 SEAL
 NORTH CAROLINA
 5-18-23

NEW CONSTRUCTION
THE HOPE CENTER
 1102 W HWY 55 E DUNN, NC

REVISION:

ISSUED:

DRAWN BY: JSL
 CHECKED BY: MNK/CMK
FIRST FLOOR POWER PLAN
 SHEET NO. **E3**
 PROJECT NO: 230227

FIRST FLOOR POWER PLAN - SCALE: 3/16"=1' 2

PANEL A							
CKT	LOAD	BKR	LOAD		BKR	LOAD	CKT
			kVA	PH			
1	REFRIGERATOR #1	20/1	1.20	A	3.60	1ST FLOOR WASHER/DRYER	2
3	2ND FLOOR WASHER #1	20/1	1.20	B	3.60		4
5	2ND FLOOR WASHER #2	20/1	1.20	A	2.88	2ND FLOOR DRYER #1	6
7	COOK TOP	50/2	3.95	B	2.88		8
9	DISHWASHER	20/1	1.80	B	2.88	2ND FLOOR DRYER #2	10
11	WALL OVEN	30/2	2.40	A	1.20		12
13	RANGE HOOD	20/1	0.17	A	0.18	REFRIGERATOR #2	14
15	DINNING/FAMILY/KITCHEN LTS	20/1	0.78	B	0.44		20/1
17	EXTERIOR LIGHTS	20/1	0.14	A	0.41	20/1	22
21	2ND FLOOR BED/BATH LTS	20/1	0.91	B	1.00	20/1	24
23	SPARE	20/1	0.00	A	1.20	20/1	26
25	SPARE	20/1	0.00	B	0.00	20/1	28
27	SPACE		0.00	A	0.00		30
29	SPACE		0.00	B	0.00		32
31	SPACE		0.00	A	0.00		34
33	SPACE		0.00	B	0.00		36
35	SPACE		0.00	A	0.00		38
37	SPACE		0.00	B	0.00		40
39	SPACE		0.00	A	0.00		42
41	SPACE		0.00	B	0.00		
			kVA	PH	AMPS		
			21.4	A	178		
			23.0	B	192		
VOLTAGE/PHASE			120/240, 1P, 3W				
BUS RATING			225A				
MAIN CIRCUIT BREAKER RATING			225A				
AIC RATING			22K				
SERVICE ENTRANCE RATED			YES				
ENCLOSURE			NEMA 3R				
MOUNTING			SURFACE				

○ GFCI BREAKER

◊ BREAKER TO BE MARKED RED AND BE CAPABLE OF BEING LOCKED

PANEL B							
CKT	LOAD	BKR	LOAD		BKR	LOAD	CKT
			kVA	PH			
1	WATER HEATER #1	20/1	0.60	A	0.60	20/1	2
3	AHU-1	45/2	3.84	B	5.88	50/2	4
5			3.84	A	5.88		6
7	HP-1	30/2	2.16	B	3.12	40/2	8
9			2.16	A	3.12		10
11	SERVICE RECEPTS	20/1	0.72	B	0.18	20/1	12
13	DINING RECEPTS	20/1	0.90	A	0.90	20/1	14
15	STUDY #1 RECEPTS	20/1	0.54	B	0.54	20/1	16
17	KITCHEN RECEPTS	20/1	0.36	A	0.72	20/1	18
19	REC ROOM RECEPTS	20/1	1.08	B	0.72	20/1	20
21	BED ROOM #3 RECEPTS	20/1	0.72	A	0.72	20/1	22
23	BED ROOM #5 RECEPTS	20/1	0.72	B	0.72	20/1	24
25	KITCHEN RECEPTS	20/1	0.36	A	0.54	20/1	26
27	KITCHEN BATHROOM RECEPT	20/1	0.18	B	0.36	20/1	28
29	BATH #2 RECEPT	20/1	0.18	A	0.18	20/1	30
31	BATH #4 RECEPT	20/1	0.18	B	0.18	20/1	32
33	BATH #6 RECEPT	20/1	0.18	A	0.00	20/1	34
35	SPARE	20/1	0.00	B	0.72	20/1	36
37	SPACE		0.00	A	0.00		38
39	SPACE		0.00	B	0.00		40
41	SPACE		0.00	A	0.00		42
			kVA	PH	AMPS		
			22.0	A	183		
			21.8	B	182		
VOLTAGE/PHASE			120/240, 1P, 3W				
BUS RATING			225A				
MAIN CIRCUIT BREAKER RATING			225A				
AIC RATING			22K				
SERVICE ENTRANCE RATED			YES				
ENCLOSURE			NEMA 3R				
MOUNTING			SURFACE				

NEC ELECTRIC DEMAND SUMMARY 120/240V, 1P, 3W						
EQUIPMENT	DEMAND FACTOR	kVA		LOAD kVA	NEC REFERENCE	NOTES/CALCULATIONS
		A	B			
LIGHTING	100%	4.59	4.59	9.18	220.12	6114 SF X 1.5 VA/SF
RECEPTACLES < 10 kVA	100%	5.00	5.00	10.00	220.44	
RECEPTACLES > 10 kVA	50%	0.56	0.56	1.12	220.44	
HVAC	100%	15.00	15.00	30.00	--	BASED ON MCA
WATER HEATER	125%	1.20	0.00	1.20	422.13	STORAGE TANK <120 GAL @ 125%
STGN	100%	1.20	0.00	1.20	220.14(F)	
KITCHEN EQUIPMENT	SEE CODE	8.55	9.35	17.90	220.56	
DEMAND kVA PER PHASE		36.10	34.50			
DEMAND AMPS PER PHASE		301	287			

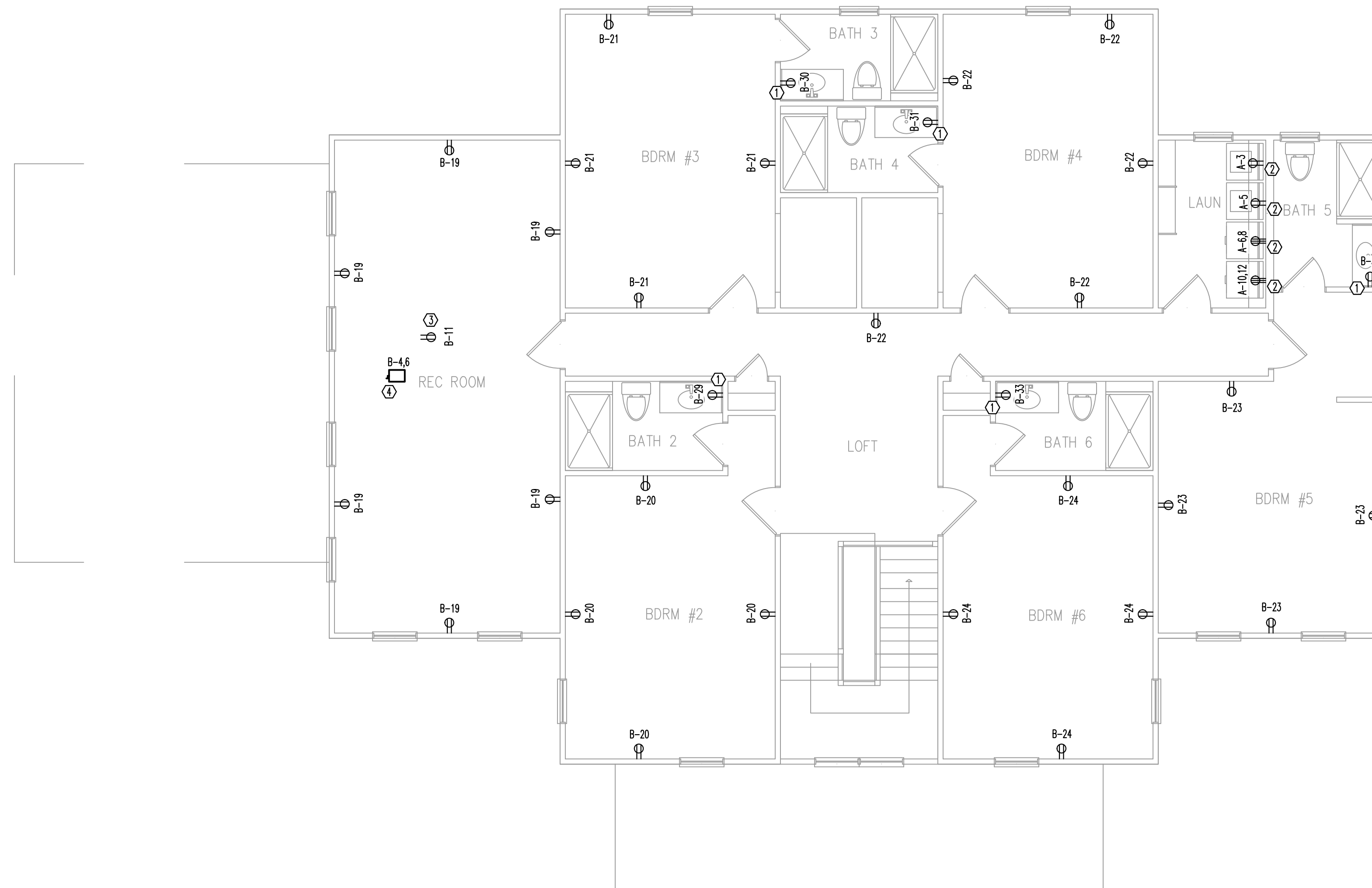
THE CALCULATED LIGHTING LOAD EXCEEDS THE CONNECTED LIGHTING LOAD.

POWER PLAN HEX NOTES

- GFCI RECEPTACLE MOUNTED 42" A.F.F.
- RECEPTACLE TO BE ON GFCI BREAKER.
- GFCI SERVICE RECEPTACLE LOCATED ABOVE CEILING.
- 240V, 1A, NEMA 1, 50A NON-FUSED DISCONNECT FOR AHU-2. EC TO MOUNT AT ACCESSIBLE LOCATION.

POWER CIRCUIT DESIGNATIONS

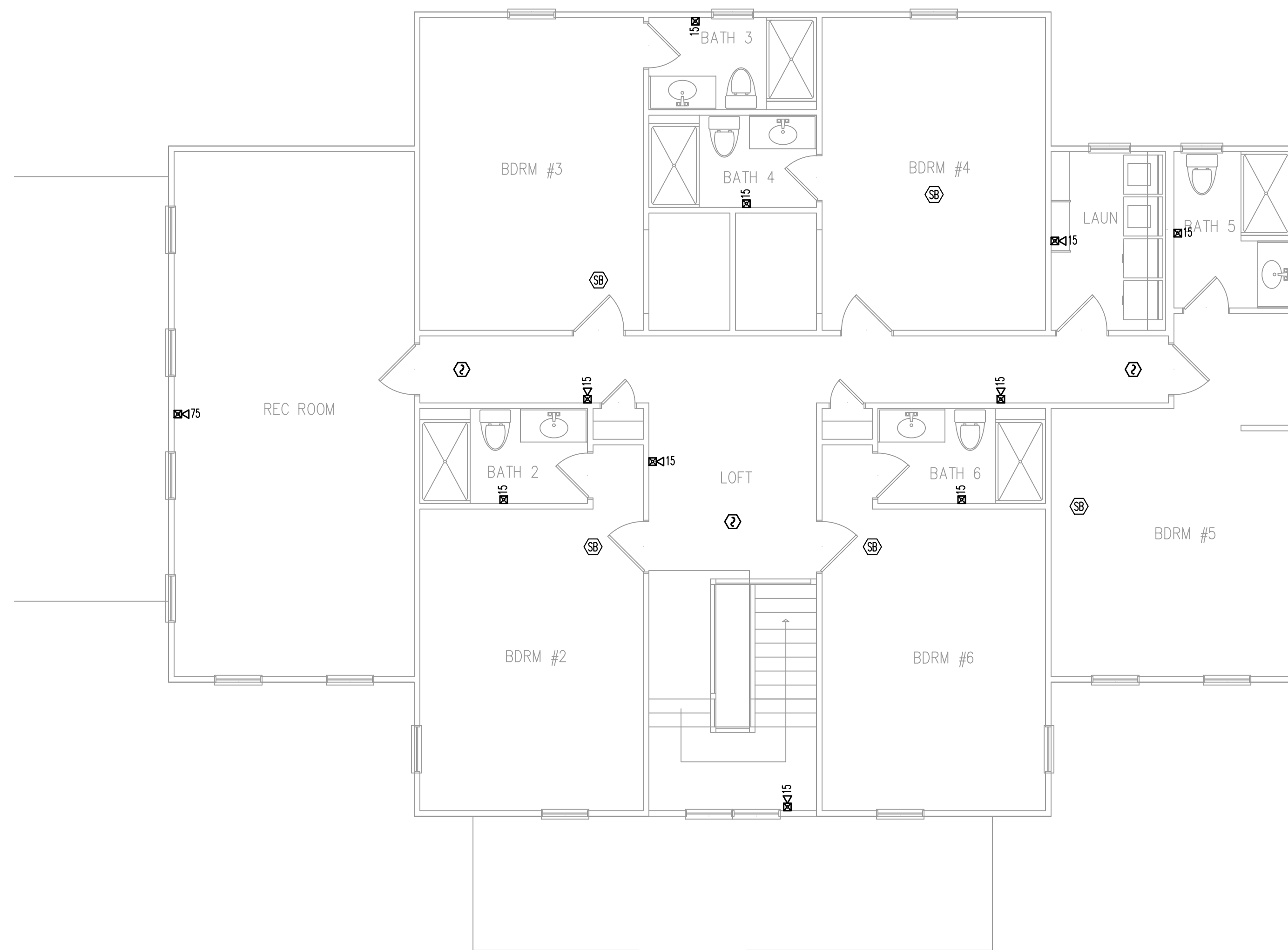
PANEL DESIGNATION — A — #
CIRCUIT DESIGNATION — #



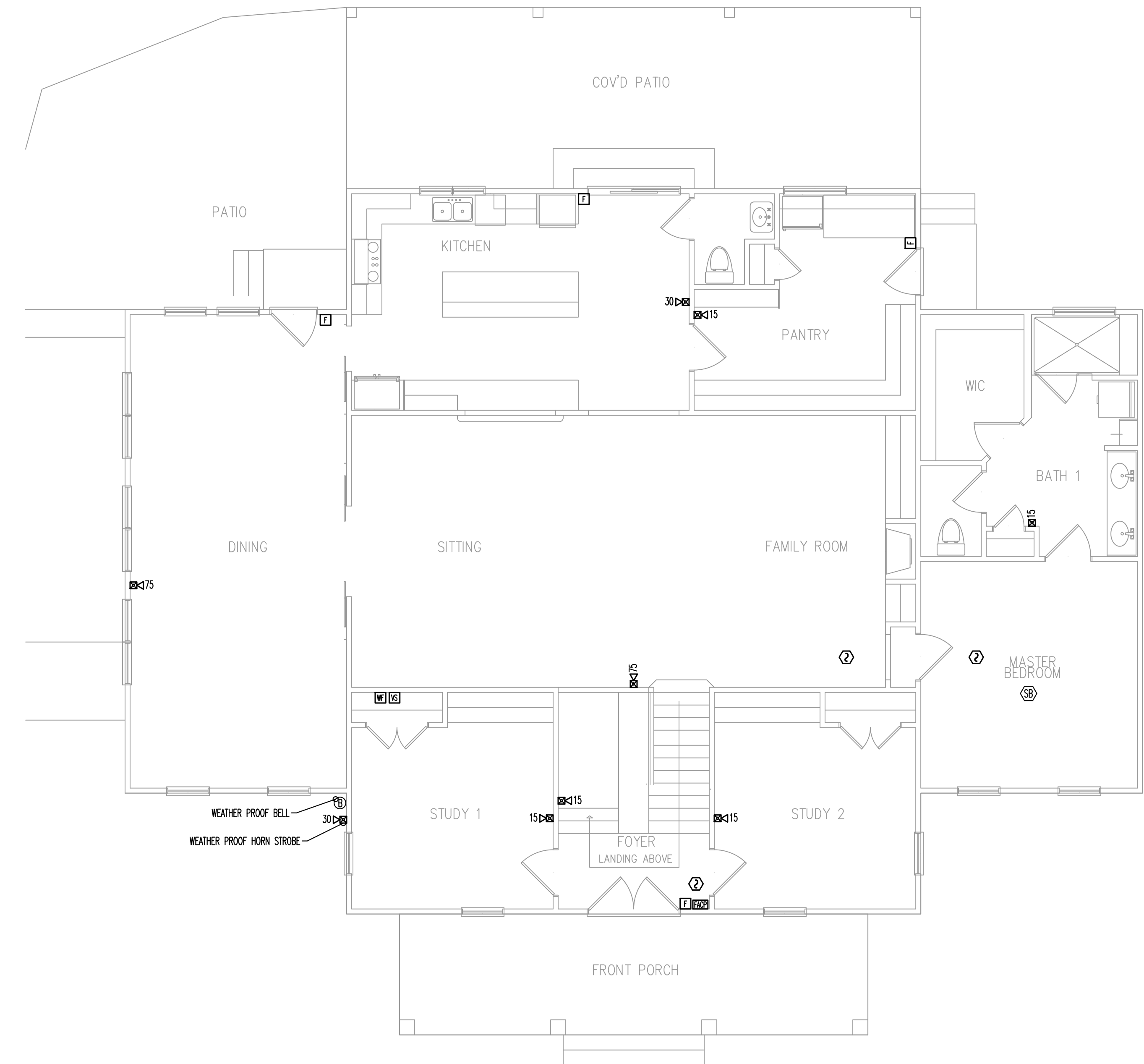
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NEW CONSTRUCTION
THE HOPE CENTER
 1102 UC HWY 55 E DUNN, NC

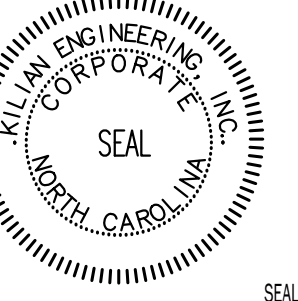
REVISION:
 ISSUED:
 DRAWN BY: JSL
 CHECKED BY: MNK/CMJ
SECOND FLOOR POWER PLAN
 SHEET NO. **E4**
 PROJECT NO: 230227



SECOND FLOOR FIRE ALARM PLAN - SCALE: 3/16"=1' 1



FIRST FLOOR FIRE ALARM PLAN - SCALE: 3/16"=1' 2



NEW CONSTRUCTION
THE HOPE CENTER

1142 NICHWAY 55 E. DUNN, NC

REVISION:

NO.	DESCRIPTION	DATE

ISSUED:

NO.	DESCRIPTION	DATE

DRAWN BY: JSL

CHECKED BY: MINN/CML

FIRE ALARM PLAN

SHEET NO.

FA2

Sprinkler Design Data

Project Name: THE HOPE CENTER	System: NEW
Project Street Address: 11142 NC HWY 55 EAST	Sys. Sq. Ft.:
Suite: n/a	Floor#: 1
Designed By: M.FORD	Phone: 910-892-1700
Occupancy: RESIDENTIAL	Hazard: RESIDENTIAL
Ceiling Height: varies	Total Bldg. Hgt.: VARIES

Design Summary

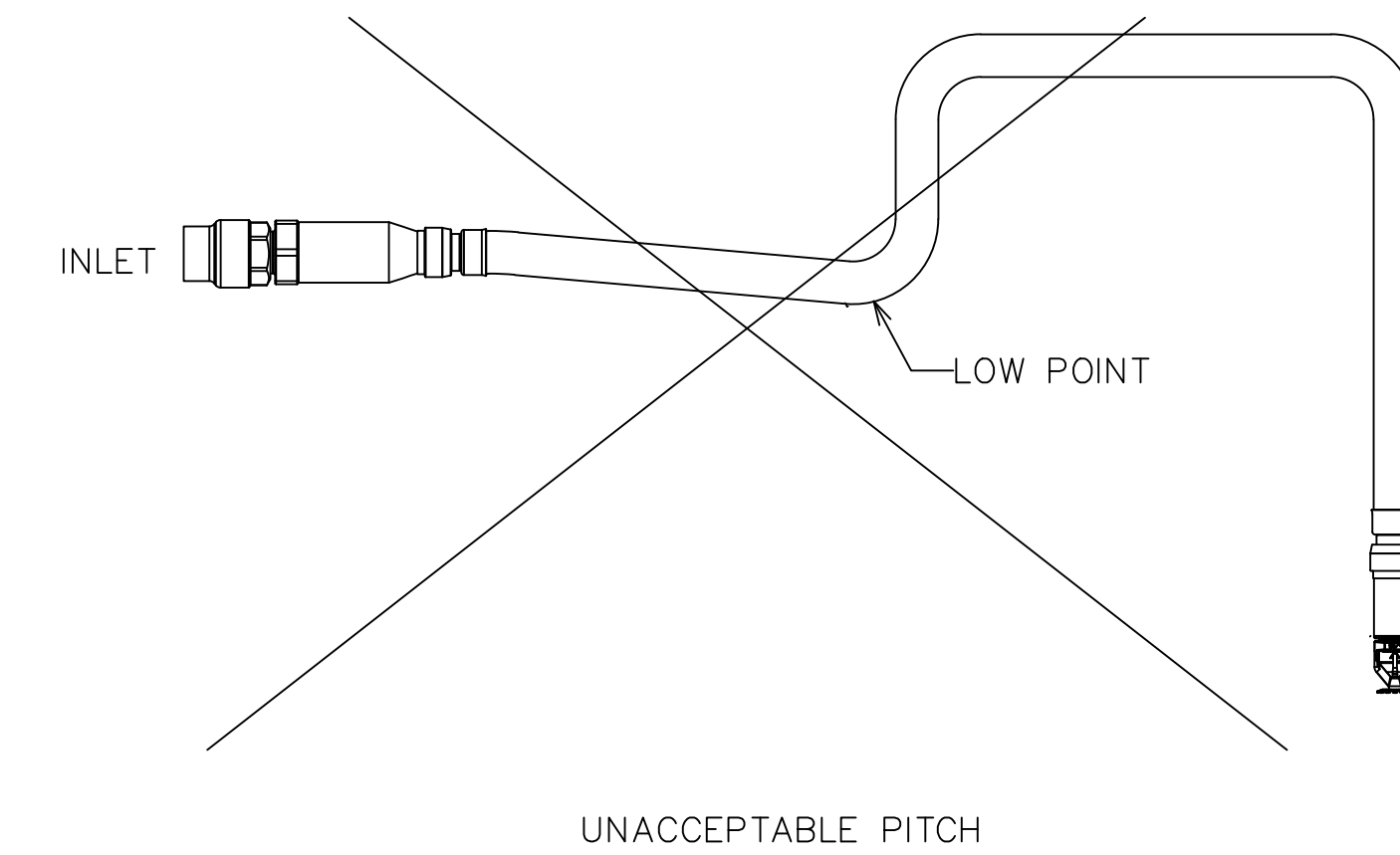
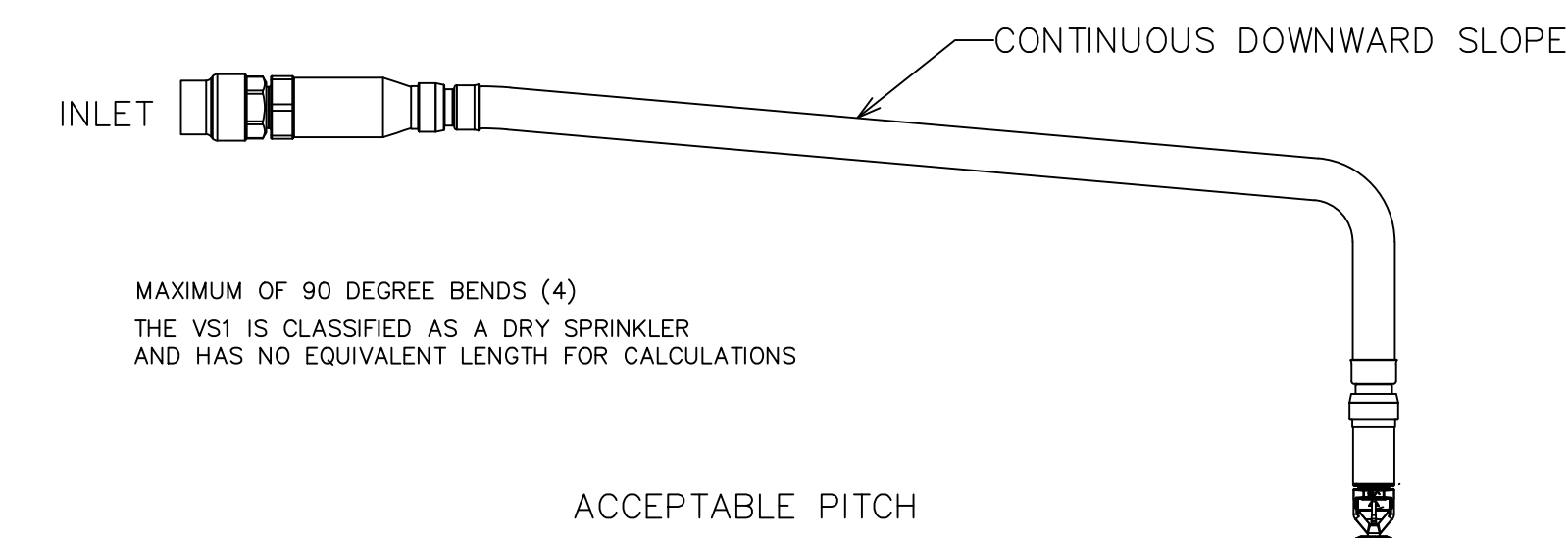
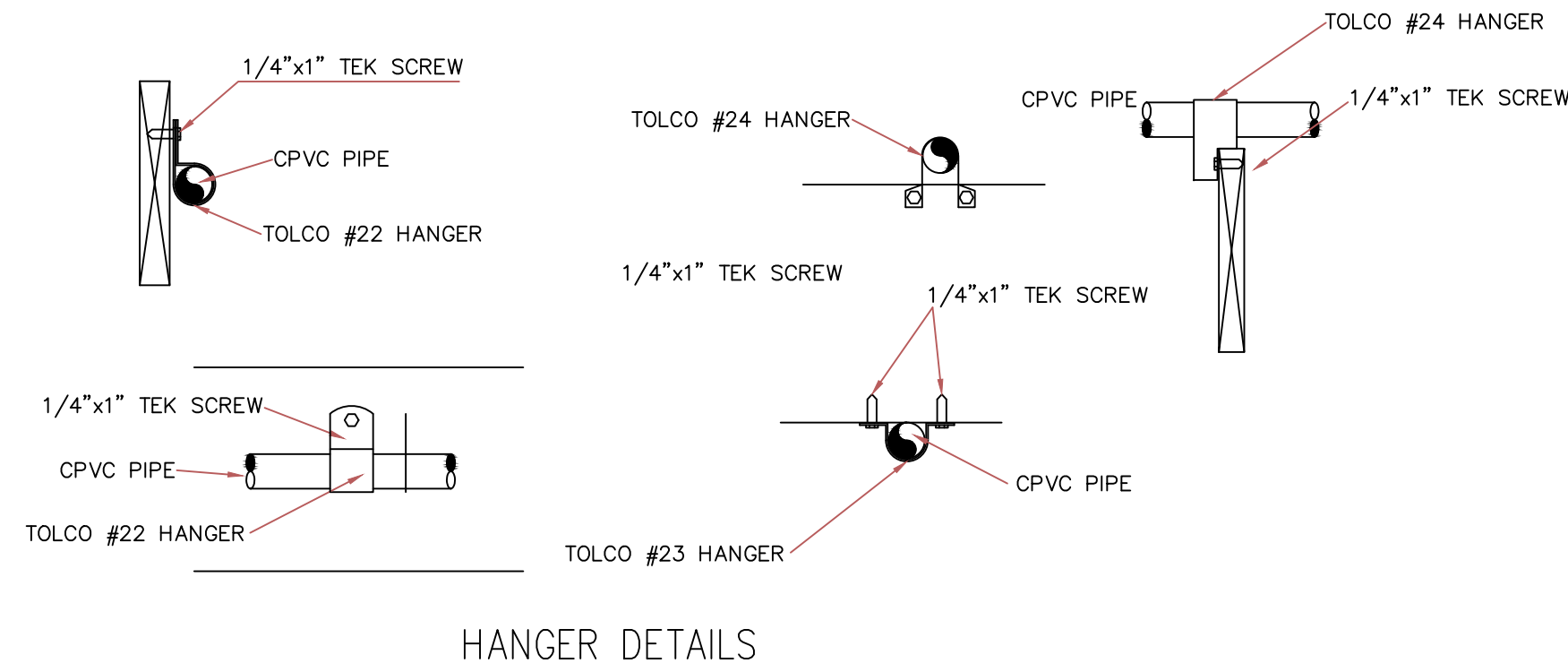
	2nd Floor loft	2nd floor dorm 6	Back Porch	1st Family rm	Front Porch	1st Dining
Design Method	Hydraulic Calculated	Hydraulic Calculated	Hydraulic Calculated	Hydraulic Calculated	Hydraulic Calculated	Hydraulic Calculated
Design Area #	1	2	3	4	5	6
Location	2nd floor loft	2nd floor dorm 6	Back Porch	1st Floor Family Rm	Front Porch	1st Floor Dining
Type of System	WET	WET	WET	WET	WET	WET
Hazard Class	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL
Criteria From	NFPA 13R	NFPA 13R	NFPA 13R	NFPA 13R	NFPA 13R	NFPA 13R
Design Area	4 HEADS	2 HEADS	Entire area	4 HEADS	Entire area	2 HEADS
Sprinkler Spacing	16'x16'	16' L X 18' W	140' sq.ft.	16'X16'	140' sq.ft.	18'X18'
Density	15 GPM @ 11.6 PSI	19 GPM @ 18.7 PSI	.10	13 GPM @ 7 PSI	.10	17 GPM @ 12 PSI
K-factor	4.4	4.4	5.6	4.9	5.6	4.9
Hose Allowance	-	-	100 gpm	-	100 gpm	-
# Design Sprinklers	4	2	4	4	4	2
Special Application Spk.	n/a	n/a	n/a	n/a	n/a	n/a
Requirement	TEST	TEST	TEST	TEST	TEST	TEST
C.P.M. Req'd	62.491	37.837	166.687	53.816	167.526	34.394
P.S.I. Req'd	56.747	52.298	56.826	43.564	53.829	42.298
Safety Factor	Test= 11.17 psi	Test= 15.669 psi	Test=10.663 psi	Test=24.373 psi	Test=13.656 psi	Test=25.675 psi

Water Supply Information

Tested by	Dunn Emergency	Date/Time	3/15/23	Pressure Hydrant	-
Hydrant Elevation	-	Flow Hydrant # 1	-	Flow Hydrant #2	-
Static (PSI)	6B	Residual (PSI)	44	Flow (gpm)	1336

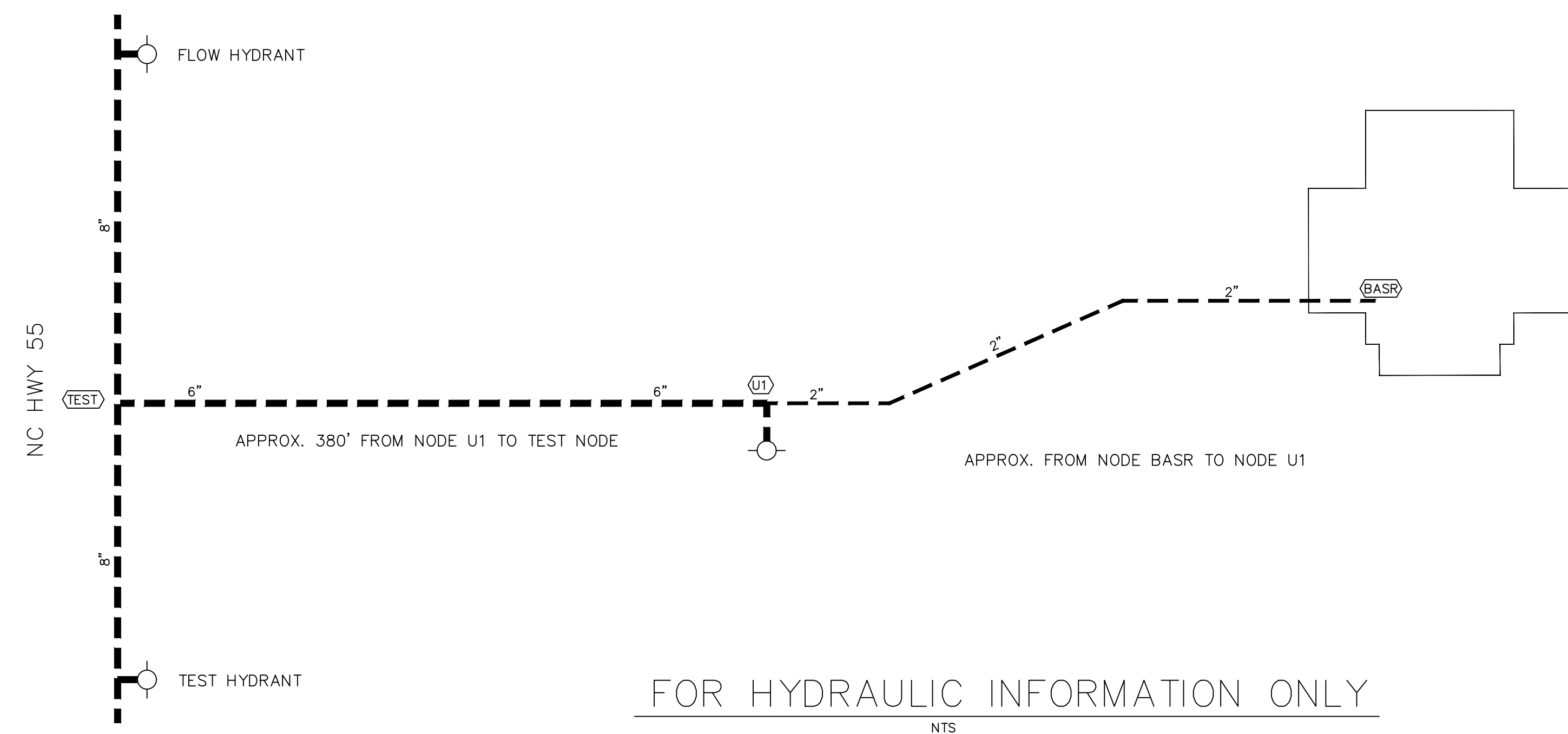
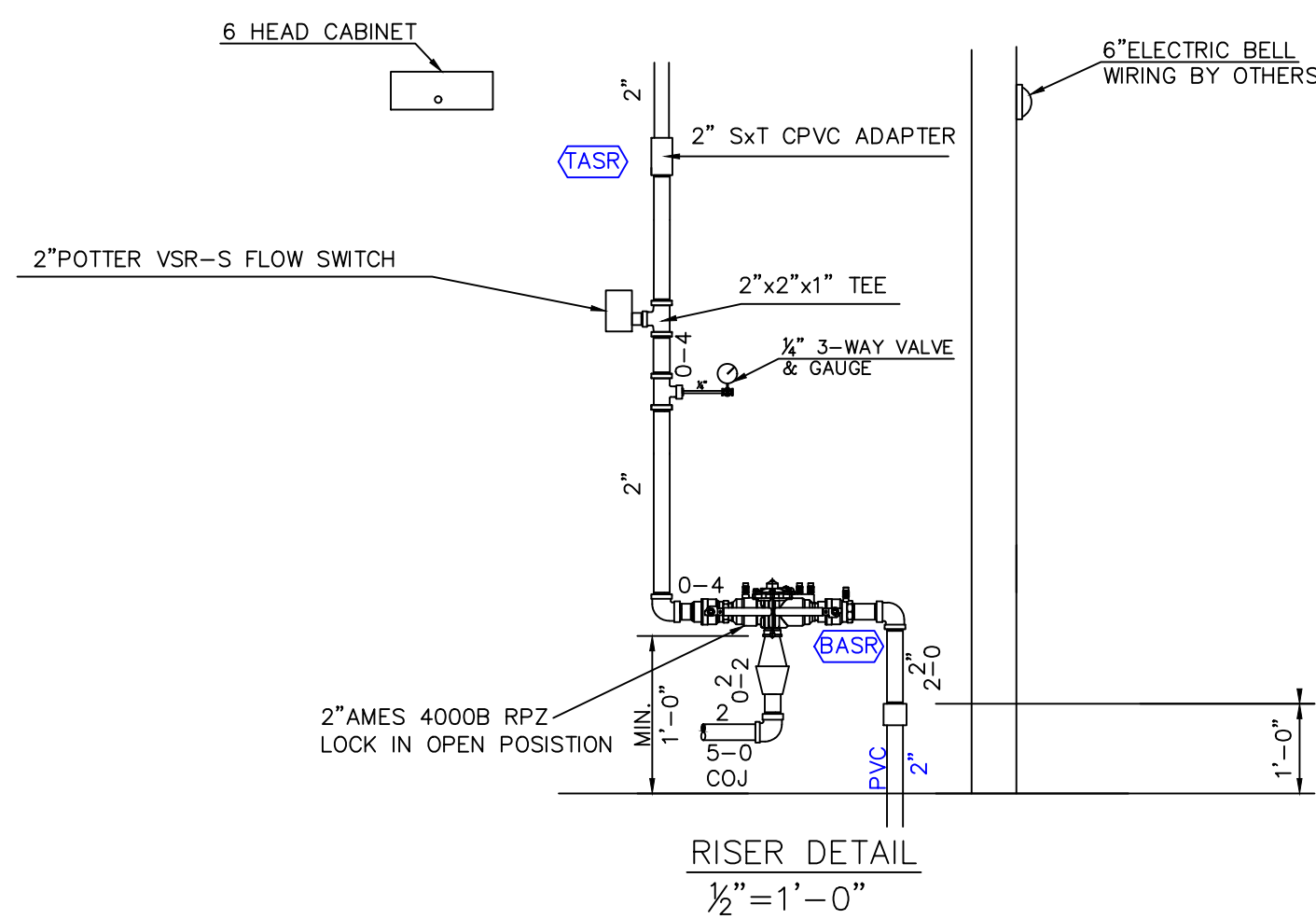
Copy of Water Test Data Included with Calculation is required

BLAZEMASTER® PIPE SDR 13.5 (ASTM F442) HANGER SPACING	
NOMINAL SIZE inches (mm)	MAX SPACING feet (m)
3/4" (20.0)	5.5' (1.7)
1" (25.0)	6.0' (1.8)
1 1/4" (32.0)	6.5' (2.0)
1 1/2" (40.0)	7.0' (2.1)
2" (50.0)	8.0' (2.4)
2 1/2" (65.0)	9.0' (2.7)
3" (80.0)	10.0' (3.0)



SPRINKLER NOTES

- SYSTEM TO BE DESIGNED AND INSTALLED PER NFPA 13R 2013 EDITION FLOWING A MAXIMUM OF 4 SPRINKLER HEADS IN A COMPARTMENT.
- FIRE SPRINKLER PIPE AND FITTINGS TO BE UL LISTED CPVC AND TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTION.
- CLOSETS 24 SQ.FT. OR LESS IN AREA WITH A LEAST DIMENSION OF 3' DO NOT REQUIRE SPRINKLERS PER NFPA 13R, PARAGRAPH 8.3.3 WITH WALLS AND CEILINGS SURFACED WITH NON COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS AS DEFINED BY NFPA 13R 2013.
- SPRINKLERS ARE NOT REQUIRED IN BATHROOMS THAT DO NOT EXCEED 55 SQ.FT. PER NFPA 13R 2013 PARAGRAPH 8.3.2
- UNDERGROUND PIPING BY OTHERS CAROLINA FIRE PROTECTION TO START 1' ABOVE FINISHED FLOOR.
- HEADS TO BE LOCATED A MINIMUM OF 24" FROM THE SIDE OF CEILING OR WALL MOUNTED HOT AIR DIFFUSERS AND A MINIMUM OF 36" IN FRONT OF WALL MOUNTED HOT AIR DIFFUSERS.
- ALL LIGHTS ARE OF THE RECESSED TYPE.



IMPORTANT
In locations that are subject to freezing conditions, it is the owner's responsibility to provide heat throughout areas protected by wet pipe sprinkler systems and in enclosures for dry pipe, deluge or other types of valves controlling water supplies to sprinkler systems.

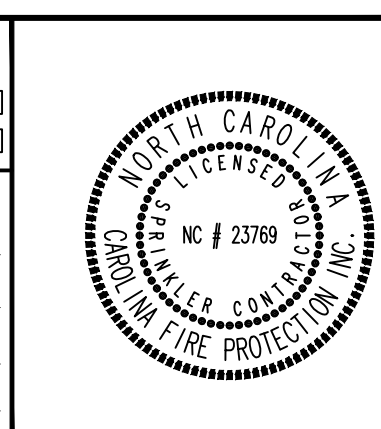
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CONTRACT RESPONSIBILITIES	
ITEM	C.F.P. / OTHERS
STREET WATER CONNECTION	N/A
UNDERGROUND WATER MAINS	N/A
EXCAVATIONS	N/A
BACKFILL	N/A
WIRING	N/A
PAINTING	N/A

SYMBOLS	
⊕	CEILING HT. ABOVE REF.
⊖	C/L OF PIPE BELOW REF.
(12-4)	HYDRAULIC REF. POINT
⊕	MAIN DESIGNATION
⊕	HANGER
⊕	UNION
⊕	GROOVED COUPLING (CO)
⊕	SCREWED CAP
⊕	GROOVED CAP
⊕	SCREWED PLUG
⊕	FLANGED CONNECTION
⊕	GATE VALVE (SEE NOTES)
⊕	FIRE HOSE ASSEMBLY
⊕	MONITOR SWITCH
⊕	BUTTERFLY VALVE
⊕	ALARM VALVE (ALV)
⊕	DRY PIPE VALVE
⊕	WATER CHECK VALVE
⊕	SWING CHECK VALVE
⊕	INSPECTOR'S TEST
⊕	GLOBE VALVE
⊕	ANGLE VALVE
⊕	ELECTRIC BELL
⊕	WATER MOTOR GONG (WMO)
⊕	FIRE DEPT. CONN. (STANDARD)
⊕	FIRE DEPT. CONN. (FLUSH)
⊕	FIRE DEPT. CONN. (SIDEWALK)
⊕	POST INDICATOR VALVE (PIV)
⊕	KEY GATE SECTIONAL VALVE
⊕	WITH ROADWAY BOX
⊕	FIRE HYDRANT (3 WAY)
⊕	THRUST BLOCK
⊕	2&4 WAY SEISMIC BRACING
⊕	ELEVATION CHANGE IN PIPE (NOT THROUGH FLOOR)

ABBREVIATIONS	
BOB	Bottom of Beam
BOB	Bottom of Deck
BOB	Bottom of Pipe
BOB	Bottom of Slab
HV	Hose Valve
H & C	Hops and Cap
NIC	Not in Contract
NS	Not to Scale
OB	Open Bar Joint
PRV	Pressure Red. Valve
RM	Roof Manifold
SP	Standpipe
TOP	Top of Pipe
TOS	Top of Slab
UNO	Unless Noted Otherwise

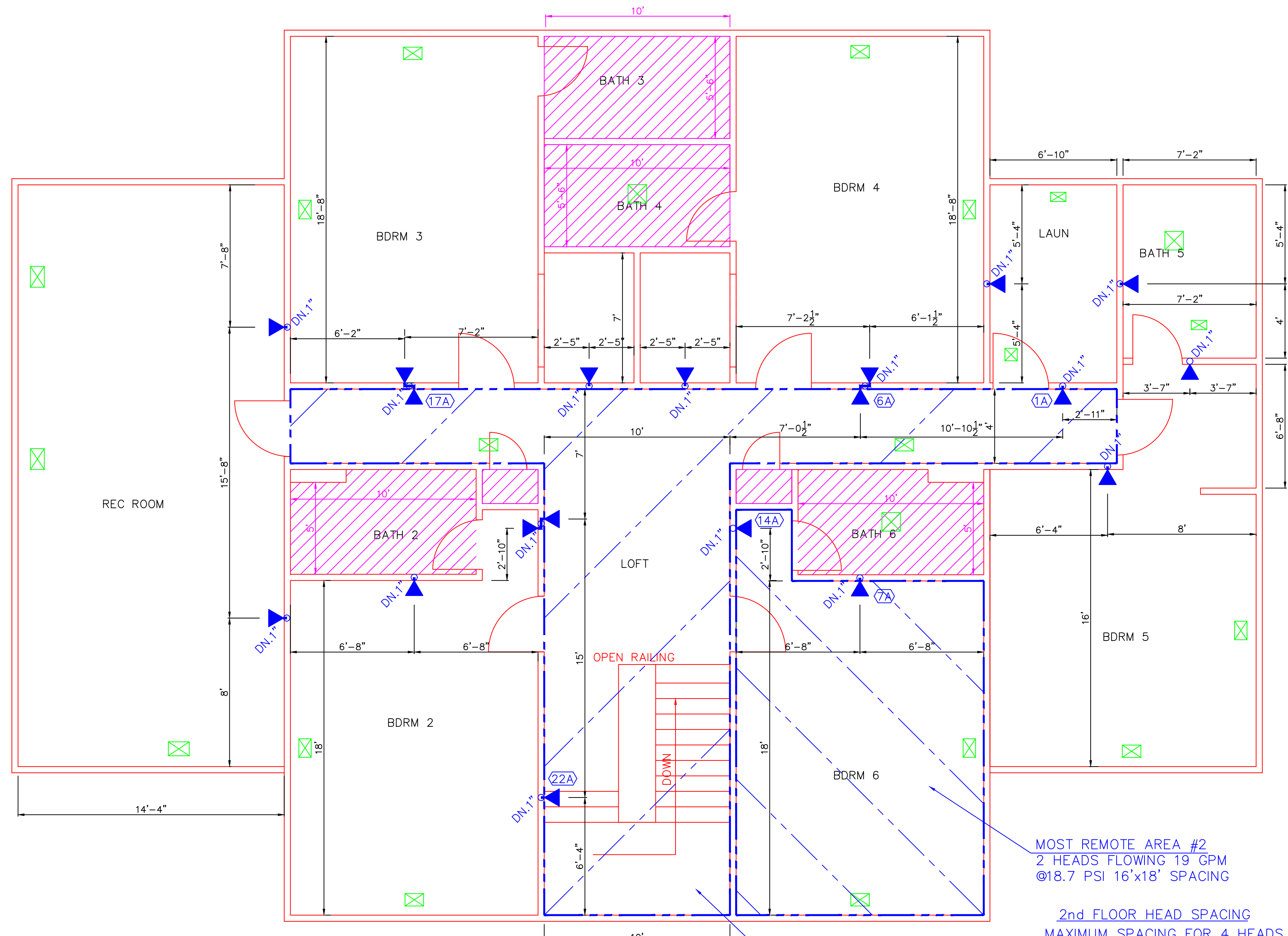
SYSTEM TYPE	
WET	<input checked="" type="checkbox"/> DELUGE <input type="checkbox"/>
DRY	<input type="checkbox"/> PREACTION <input type="checkbox"/>
APPROVALS	
<input type="checkbox"/> ISO	OUT IN
<input type="checkbox"/> IFR	OUT IN
<input type="checkbox"/> FM	OUT IN
<input type="checkbox"/>	OUT IN



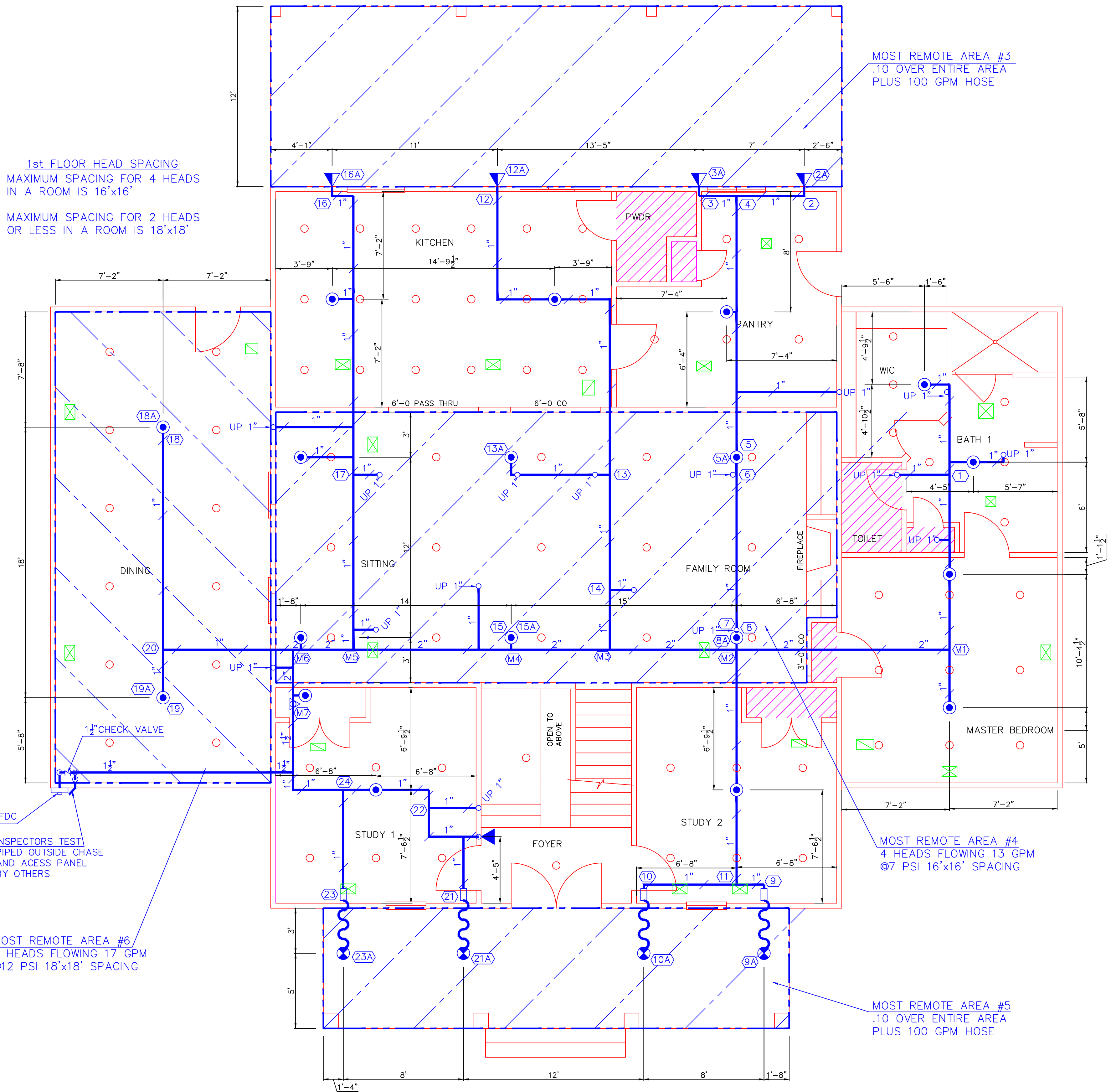
SPRINKLER SYMBOL DESCRIPTION						
SYMBOL	SIZE	MODEL	MAKE	SIN	FINISH	STYLE
⊕	1/2	QR	VICTAULIC	V2740	WHITE	RESIDENTIAL PENDENT RECESSED ESCUTCHEON
⊕	1/2	QR	VICTAULIC	V4431	WHITE	RESIDENTIAL RECESSED HORIZONTAL SIDEWALL
⊕	1/2	QR	VICTAULIC	V3610	WHITE	DRY SIDEWALL
⊕	1/2	QR	VICTAULIC	V3506	WHITE	DRY VS1 WIFLEX RECESSED PENDENT
TOTAL SPRINKLERS SHOWN ON THIS SHEET						0
TOTAL SPRINKLERS REQUIRED ON THIS CONTRACT						46

CAROLINA FIRE PROTECTION
4055 HODGES CHAPEL ROAD
Dunn, N.C. 28334
Phone (910) 892-1700
Fax (910) 892-7322

CONTRACT NAME: THE HOPE CENTER 11142 NC HWY 55 E DUNN, NC 28335	CHECKED BY: J.DUNN
CONTRACT WITH: GODWIN CONSTRUCTION	DATE: 5/23/23
DESCRIPTION: INFORMATION	SCALE: 1/4"=1'-0"
SYSTEM DESIGN DATA	CONTRACT NO: 230789
DESIGNER: CAROLINA FIRE PROTECTION	DRAWN BY: M. FORD
DATE: 5/23/23	DRAWING NO. FP 1 of 2



2nd FLOOR PLAN
1/4"=1'



1st FLOOR PLAN
1/4"=1'

IMPORTANT
In locations that are subject to freezing conditions, it is the owner's responsibility to provide heat throughout areas protected by wet pipe sprinkler systems and in enclosures for dry pipe, deluge or other types of valves controlling water supplies to sprinkler systems.

CONTRACT RESPONSIBILITIES	
ITEM	C.F.P. / OTHERS
STREET WATER CONNECTION	N/A
UNDERGROUND WATER MAINS	N/A
EXCAVATIONS	N/A
BACKFILL	N/A
WIRING	N/A
PAINTING	N/A

SYMBOLS	
CEILING HT. ABOVE REF.	GATE VALVE/SEE NOTES
C/A OF PIPE BELOW BOB	FIRE HOSE ASSEMBLY
C/A OF PIPE ABOVE REF.	FLOW SWITCH (FS)
HYDRAULIC REF. POINT	MONITOR SWITCH
LINE DESIGNATION	BUTTERFLY VALVE
MAIN DESIGNATION	ALARM VALVE (ALV)
HANGER	DRY PIPE VALVE
UNION	WATER CHECK VALVE
GROOVED COUPLING (GC)	SWING CHECK VALVE
SCREWED CAP	SYSTEM RISER
GROOVED CAP	INSPECTOR'S TEST
SCREWED PLUG	GLOBE VALVE
FLANGED CONNECTION	ANGLE VALVE

ABBREVIATIONS	
SOB	Bottom of Beam
SDB	Bottom of Deck
SOP	Bottom of Pipe
SD	Drain
NV	Noise Valve
N & C	Nipples and Cap
NC	Not in Contract
NIS	Not to Scale
OSU	Open Bar Joints
PRV	Pressure Reducing Valve
RM	Roof Manifold
SP	Storage
TOB	Top of Beam
TOP	Top of Pipe
TOS	Top of Steel
UNO	Unless Noted Otherwise

SYSTEM TYPE	
WET	<input checked="" type="checkbox"/> DELUGE <input type="checkbox"/>
DRY	<input type="checkbox"/> PREACTION <input type="checkbox"/>

APPROVALS	
ISO	OUT IN
IFR1	OUT IN
FM	OUT IN
	OUT IN



SPRINKLER SYMBOL DESCRIPTION						
SYMBOL	SIZE	MODEL	MAKE	SIN	FINISH	STYLE
1/2	QR	VICTAULIC	V2740		WHITE	RESIDENTIAL PENDENT RECESSED ESCUTCHEON
1/2	QR	VICTAULIC	V4431		WHITE	RESIDENTIAL RECESSED HORIZONTAL SIDEWALL
1/2	QR	VICTAULIC	V3610		WHITE	DRY SIDEWALL
1/2	QR	VICTAULIC	V3506		WHITE	DRY VS1 W/FLEX RECESSED PENDENT
TOTAL SPRINKLERS SHOWN ON THIS SHEET						
TOTAL SPRINKLERS REQUIRED ON THIS CONTRACT						

CAROLINA FIRE PROTECTION
4055 HODGES CHAPEL ROAD
Dunn, N.C. 28334
Phone (910) 892-1700
Fax (910) 892-7322

CONTRACT NAME:		CHECKED BY:	
THE HOPE CENTER		J. DUNN	
11142 NC HWY 55 E DUNN, NC 28335		DATE: 5/23/23	
CONTRACT WITH: GODWIN CONSTRUCTION		SCALE: 1/4"=1'-0"	
DESCRIPTION: 1st & 2nd FLOOR		CONTRACT NO: 23D789	
SYSTEM DESIGN DATA		DRAWN BY: M. FORD	
SYSTEM AREA: 52,175 SQ. FT.		DRAWING NO. FP 2 OF 2	
SYSTEM TYPE: RESIDENTIAL			
SYSTEM PRESSURE: 175 PSI			
SYSTEM RATED: 175 PSI			
SYSTEM TESTED: 175 PSI			
SYSTEM INSPECTION: 175 PSI			
SYSTEM MAINTENANCE: 175 PSI			