# **REDBUD H&H HOMES**

### PLAN REVISIONS

II-21-19 U ADDED ROOF VENTING CALCULATIONS FOR ELEVATIONS A, B, AND C.
2) ADDED ROOM DIMENSIONS TO ROOM LABELS FOR CLARITY.
3) CHANGE MASTERS TO OWNERS THROUGHOUT PLANS/ÆLEVATIONS TO MEET HITH REQUIREMENTS. 4.) UPDATED BATHROOM NAMING IN ACCORDANCE TO HIH STANDARDS. 5.) REVISED AND VERIFIED SQUARE FOOTAGE.

I.16-2020 IJ CHANGED FIREPLACE TO OPTIONAL INSTEAD OF STANDARD PER HHL 2.) UPDATED CUTSHEETS.

REDBUD SQUARE F	FOOTAGES
AREA	ELEV 'A'
Ist FLOOR	1502 5
2nd FLOOR	1723 5
TOTAL LIVING	3225 5
GARAGE	464 5
PORCH	127 5
OPT. COVERED PATIO	100 5
OPT, 3-CAR GARAGE	240 5

AREA	ELEV 'B'
FLOOR	1507 SF
A FLOOR	1732 SF
OTAL LIVING	3234 SF
RAGE	464 SF
DRCH	201 SF
PT. COVERED PATIO	· 100 5F
PT 3 CAR GARAGE	240 SF

ARIM	ELEV 'C'
Ist FLOOR	1502 SF
2nd FLOOR	1136 SF
TOTAL LIVING	3238 SF
GARAGE	464 SF
PORCH	128 SF
OPT COVERED PATIO	100 SF
OPT, 3-GAR GARAGE	240 SF

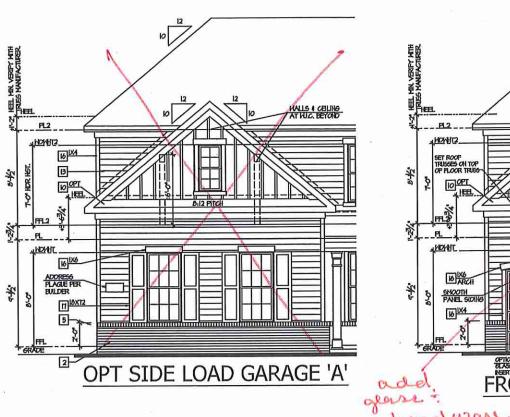
凹 GARAGE H&H HOMES REDBUD

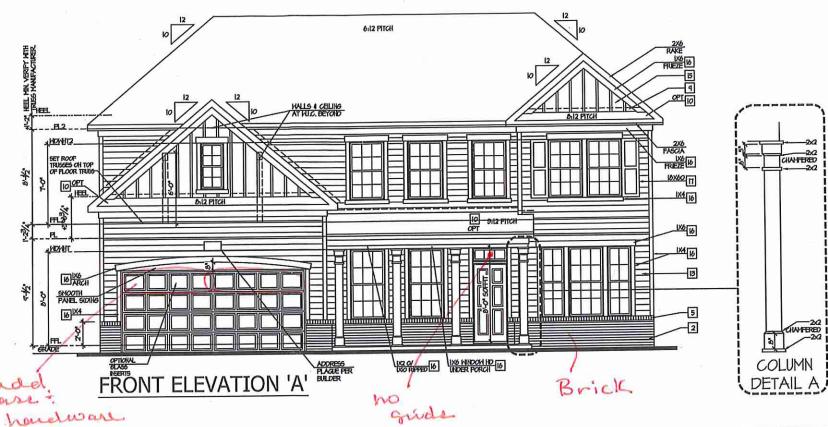
DRAWINGS ON II"x17" SHEET ARE ONE HALF THE SCALE NOTED

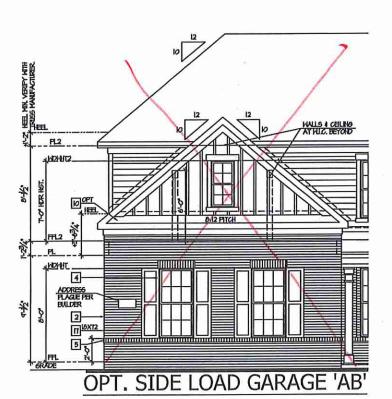
ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BULDER OF RESPONSIBILITY TO REVIEW AND VERREY ALL NOTES, DYENSIONS, AND ADHERBYCE TO APPLICABLE BULDING CODES PROOR TO COTENIZED OF ANY CONSTRUCTION.

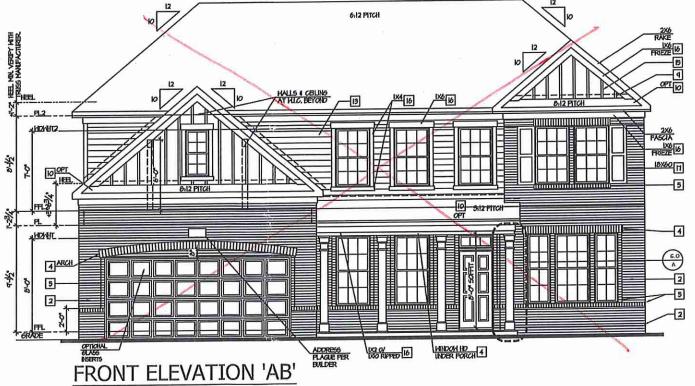
ANY DISCREPANCY OF BROOK INVERS, DYENSIONS, OR ADHERBYCE TO APPLICABLE BULDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE COTTEMERS OF ANY TO ANY CONSTRUCTION.

ANY REVISIONS OR CHANGES, NOT RELIED TO THE CORRECTION OF BROOKS THAT ARE MADE AFTER THAL PLANS HAVE EXTRACTED SHALL BE SUBJECT TO ADDITIONAL THES. IF ANY TOPICATIONS AND MADE TO THESE PLANS BY ANY OTHER THAN THE DRAFTER'S OFFICE THAS BY ANY OTHER THAN THE DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.









BUDGE GIVEL VEREY AND COORDINATE FOR ACTIVE SITE FORM THAT SHOULD BURGER GIVEL VEREY AND COORDINATE FOR ACTIVE SITE CONTINUES. - HEDOM HEAD HEIGHTS IST FLOOR = 6-40" W.K.O. ON ELEVATIONS. 20D FLOOR = 6-40" W.K.O. ON ELEVATIONS BARAGE DOORS, AS SELECTED BY DEVELOPES - GBHEY AS COURS. TOP OF GBHEYS TO BE A HEBLIH OF 24 ABOVE ANY ROOM HYBBIOLOGY OF GBHEY. - ALL EXTERIOR HATERIALS TO BE IN

KEY NOTES:

NOTES:

| MAGNEY: | ANIEND STOKE VISIER AS SELECTED BY DEVELOPER, IEBAIT AS NOTED AVARRY RULL PROVE AS SELECTED BY DEVELOPER, HEIGHT AS NOTED. D' SOLDER CORRE

PONLOCK COURSE DECORATIVE KEY, SEE DETAIL MPKALS

TO CORPOSED RESISTANT ROOF TO WALL FLASHING, CODE CONFILMA

STANDAY STAN HETAL ROOP, NOTALL FIS

DI YMM, JOY, TEER CENT BING SIDNO FER CENTRY TRAIN OF THE CENTRY TRAIN CENTRY TRAIN OF THE CENTRY TRAIN OF

IN IX THEN OR BOWL, WHO, SUZE AS NOTED IN IN SE SUTTERS, TYPE AS SHORM SIZE AS HOTED

**ELEVATION "A/AB"** 

NOTE: SCALE IS NO' + 1-0' F PRINTED IN HALF SATE SCALE IS NO' + 1-0' F PRINTED IN HALF SATE

**GARAGE LEFT** 





DRAUNGS ON II'XTI" SHEET ARE ONE HALF THE SCALE NOTED

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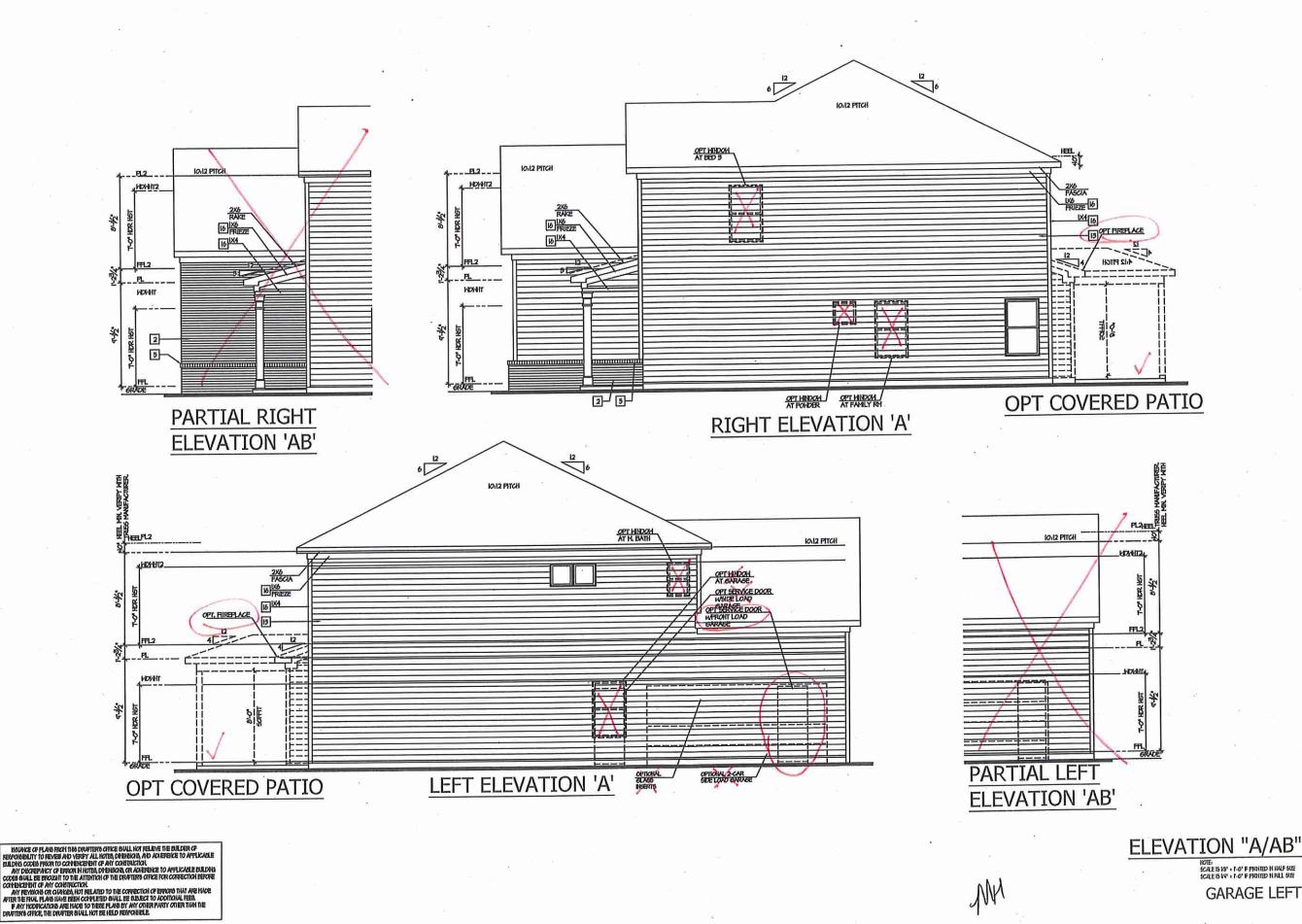
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FRONT ELEVATION DETAILS

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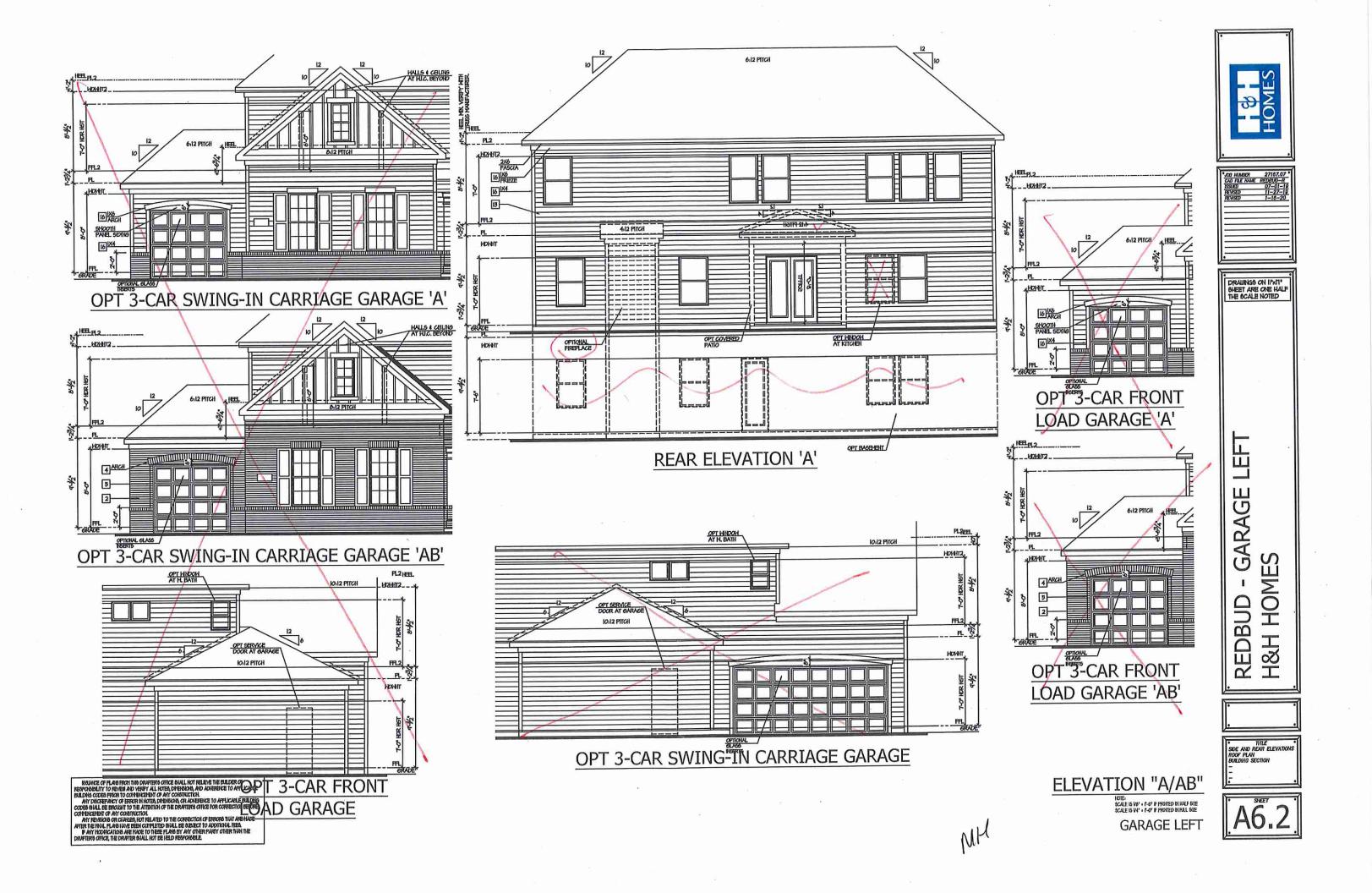


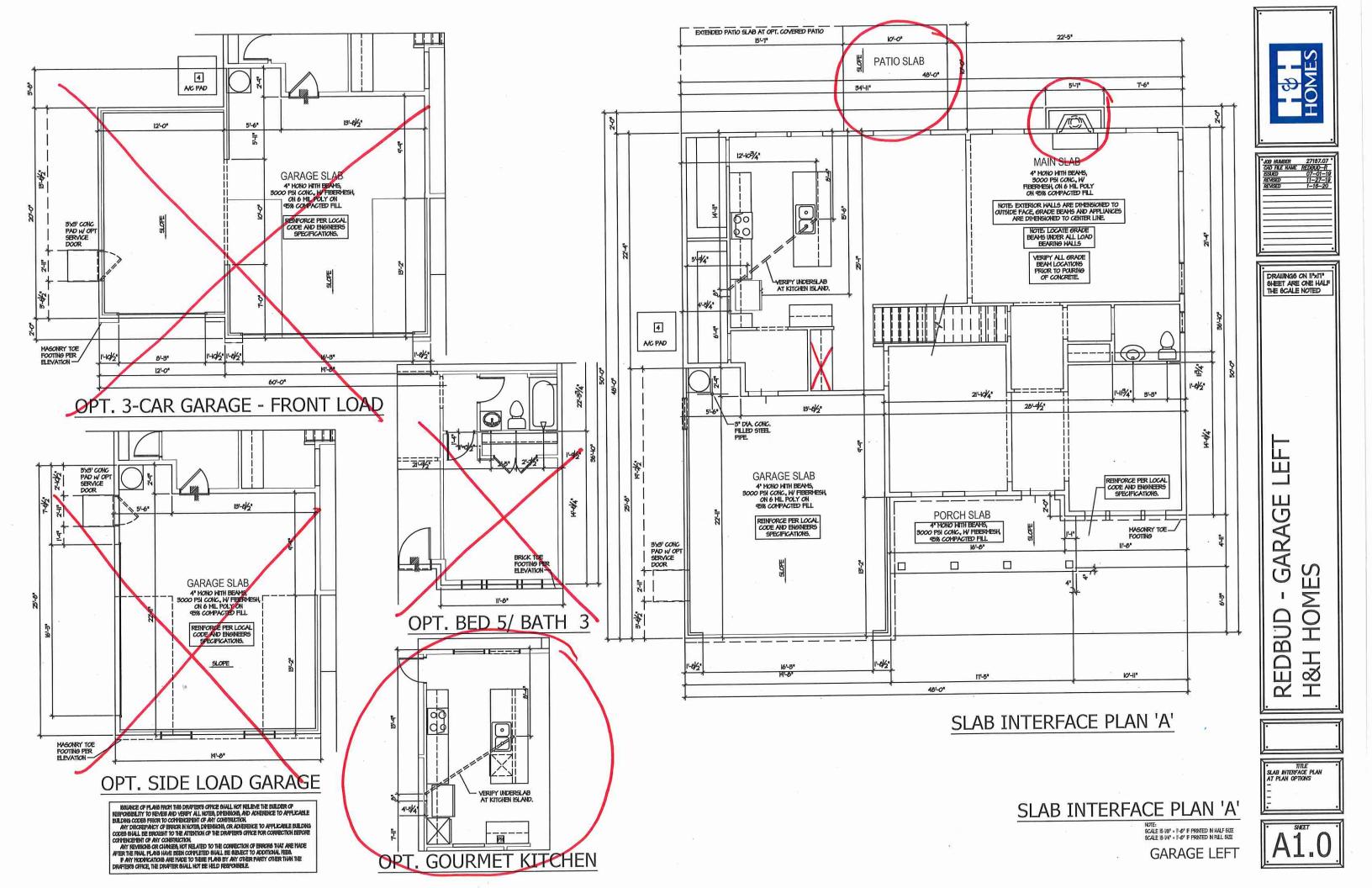
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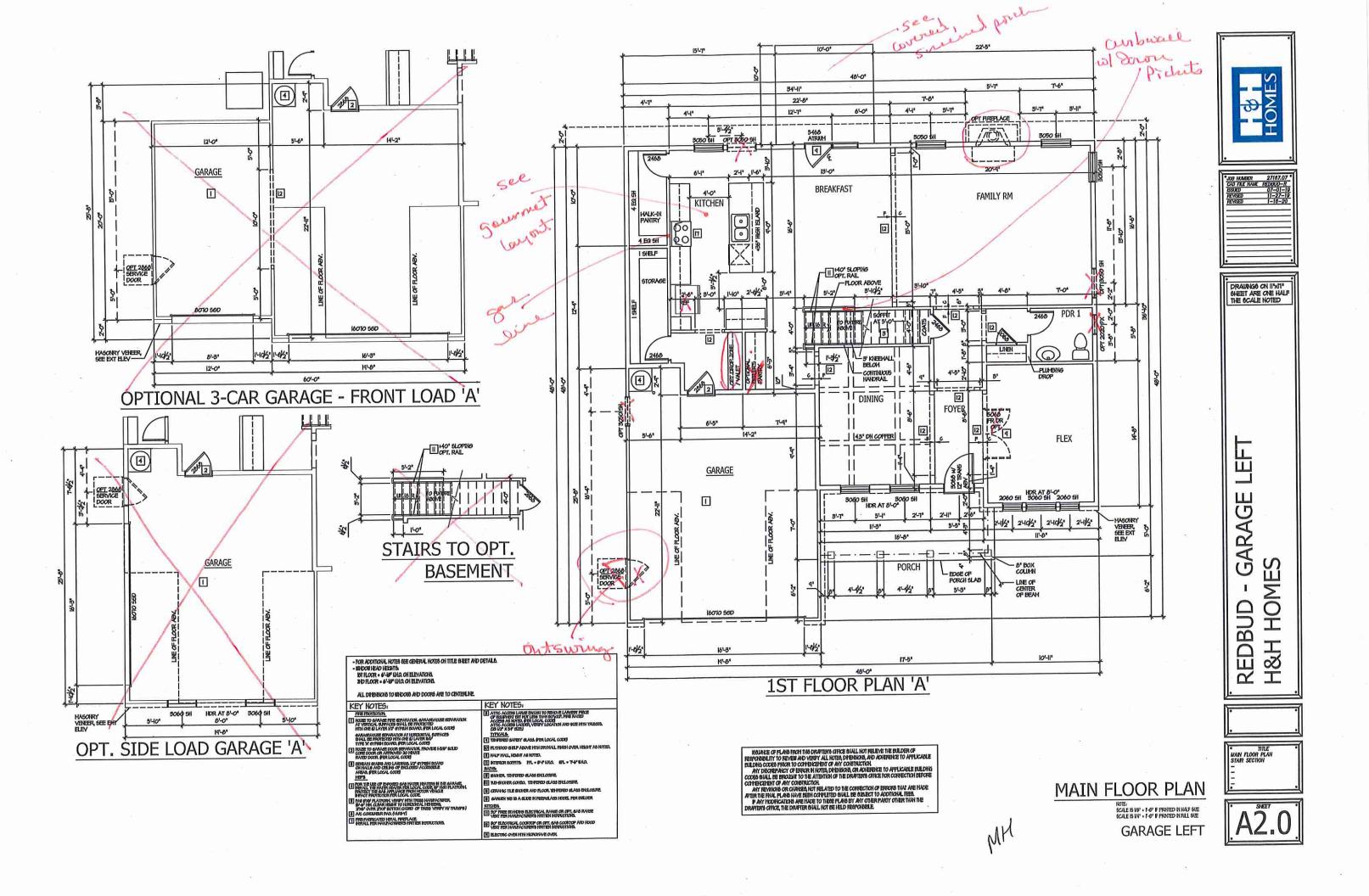
REDBUD - GARAGE LEFT H&H HOMES

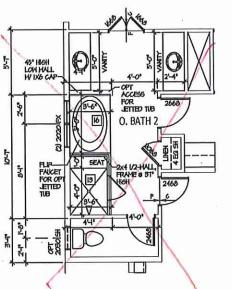


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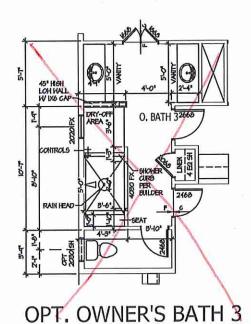


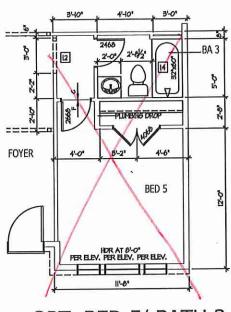




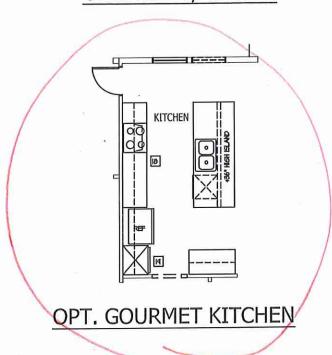


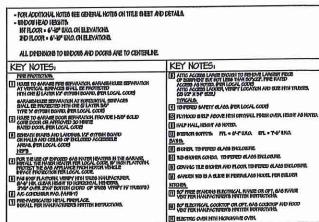
OPT. OWNER'S BATH 2

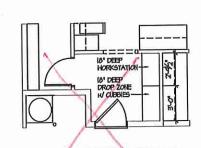




OPT. BED 5/ BATH 3

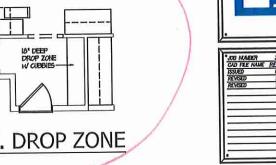


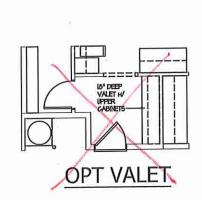


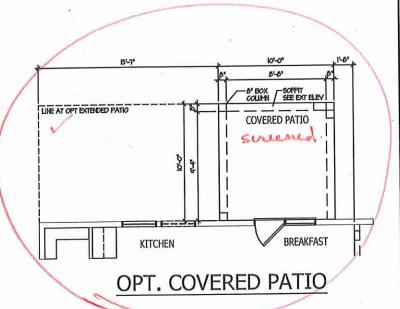


OPT. WORKSTATION AND DROP ZONE









GARAGE H&H HOM REDBUD

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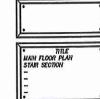
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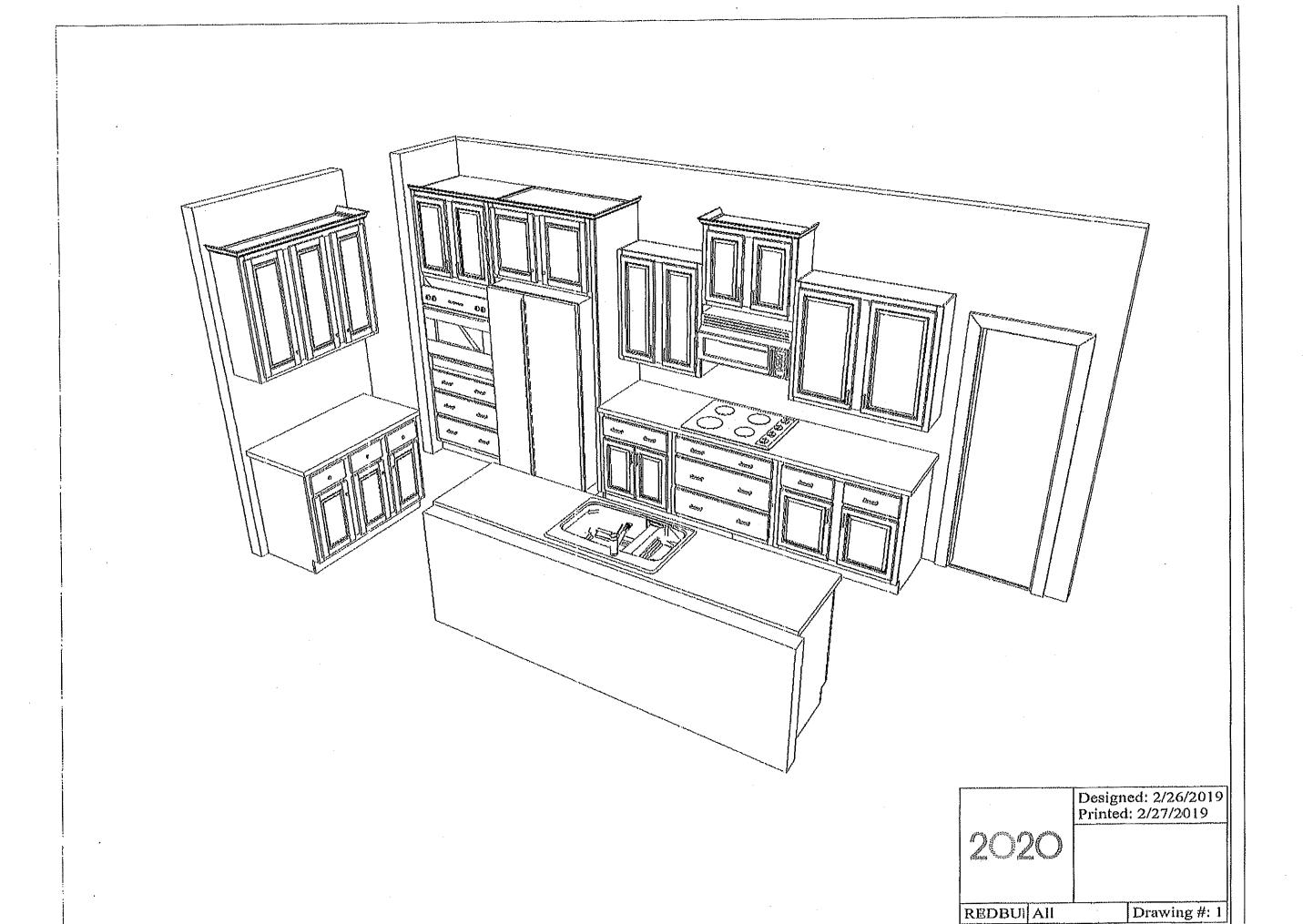
MAIN FLOOR OPTIONS

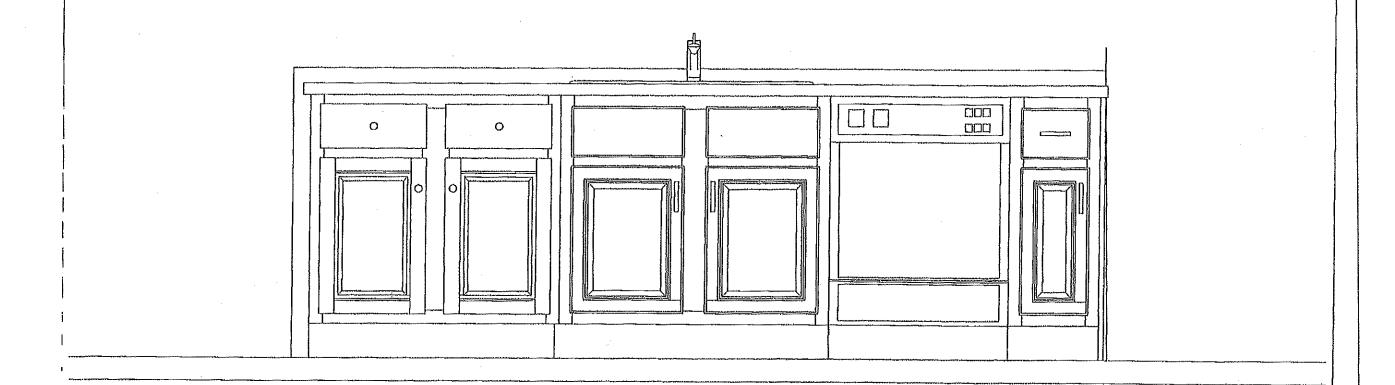
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**GARAGE LEFT** 



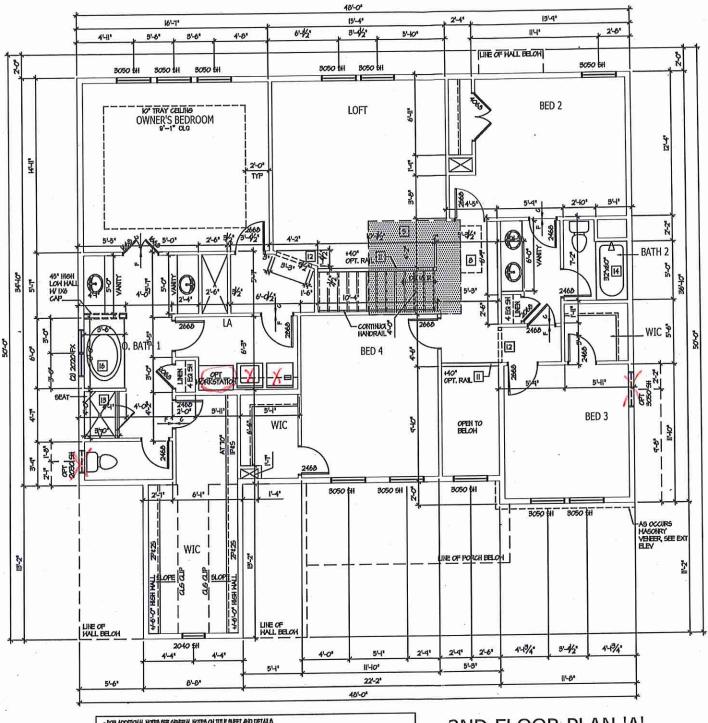


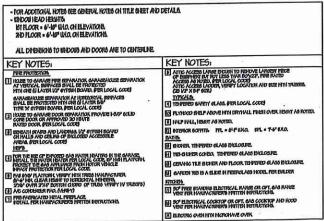




Designed: 4/26/2018
Printed: 7/16/2018

REDBU All Drawing #: 1





# 2ND FLOOR PLAN 'A'

MUNICE OF FLASHEN HIS DRAFFERS OFFICE SHALL NOT RELEYE THE BUILDING REPORTED HER PLASHEN AND MENTS ALL NOTES OFFISHIONS, AND ADMERNATE TO APPLICABLE BUILDING COORD FROM TO CONTRECTED OF ANY DRAFFEN OF PROPERTY HOTES, OFFISHING, OF ADMERNICE OF APPLICABLE BUILDING COORD SHALL BE REQUIST TO THE ATTRICKS OF THE PRAFFERS OFFISHING FOR THE ATTRICKS OF THE PROPERTY OF THE OFFICE OF ANY CONSTRUCTION.

ANY REYMAND OR CHANGES, MYT RELEADED TO THE CONFECTION OF PROPERTY HAVE BY ANY OFFISHING BUILDING BUILDING THE ATTRICKS OF THE PROPERTY OFFISHING THE PRO





DRAUNGS ON II'X11" SHEET ARE ONE HALF THE SCALE NOTED

Ш GARAGE HOMES REDBUD H&H

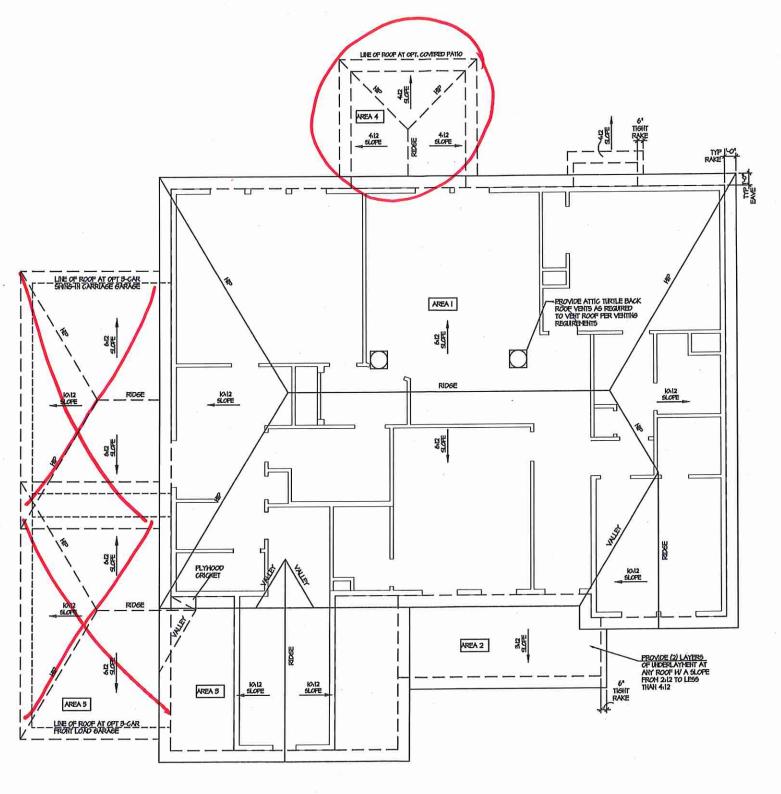
MAIN FLOOR PLAN STAIR SECTION



POTE: \$CALE IS 10' • 1-0' F PRNIED N NALF SUE \$CALE IS 10' • 1-0' F PRNIED N NALF SUE

**GARAGE LEFT** 





MAUNCE OF FLAND FROM THIS DIVERTING OFFICE GIVIL. HOT RELEVE THE BUILDER OF REPORTED TO FROM AND VERSY ALL HOTES, DYDEWORS, AND ACKERING TO AFFICABLE BUILDER CORES FROM TO CORTENESTED OF ANY CONSTRUCTOR.

ANY DIXERPENCY OF PROFILE HOTES, DEPENDING OF ACKERING TO AFFICABLE BUILDING CORES BUILD BE BROUGHT TO THE ATTEMPORT OF THE DIVERTIENT FOR CORNECTION OF BROWN THAT BEFORE CATHERING OF ANY COMBINITION.

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ROOF PLAN 'A'





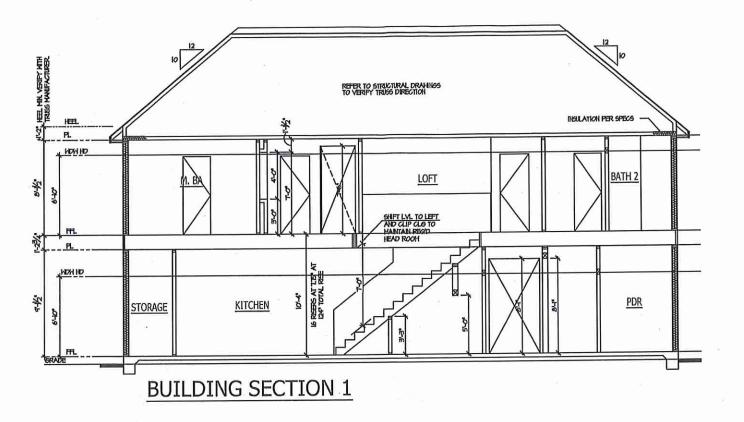
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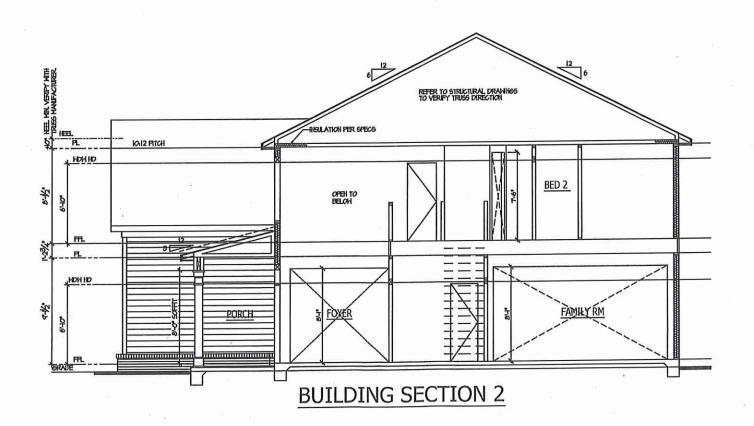
凹 GARAGE H&H HOMES REDBUD

ROOF PLAN 'A'

HOTE: SCALE IS NO' - 1-0' F PRINTED IN HALF SIZE SCALE IS NO' - 1-0' F PRINTED IN HALF SIZE GARAGE LEFT

MAIN FLOOR PLAN STAR SECTION





MAJANCE OF FLANS ITSCH TIDS DRAFTER'S OFFICE GIVILL NOT RELEVE THE BUILDER OF REPOWNERING TO REPOWNERING TO REPOWNERING TO A PETLICABLE BUILDING COORD FROM TO COMPRISED BUT OF ANY COMPRISED OF THE ANY CHARGE HIS HAVEN, OR A PARTIEVE TO A PETLICABLE BUILDING COORD GIVIL BE ENGLISH TO THE ATTENDED OF THE DRAFTER'S CHICK FOR CONFECTION BEFORE CAPIFELY OF ANY COMPRISIONAL WITH THE PROVINCE ANY CREATED TO THE CONFECTION OF THE PROVINCE ANY CREATED TO THE CONFECTION OFFICE ANY CAPIFELY OFFICE ANY CAPIFELY OFFICE TO ANY CAPIFELY OFFICE ANY CAPIFELY OFFICE ANY CAPIFELY OFFICE TO THE ELAND BY ANY CONFERENCES OFFICE TO THE ELAND BY ANY CONFERENCES OFFICE THAT THE DRAFTER OFFICE ANY OFFICE THAT THE DRAFTER OFFICE THE DRAFTER OFFICE THAT THE DRAFTER OFFICE THE DRAFTER OFFICE THAT THE THAT THE DRAFTER OFFICE THAT THE THAT T





DRAWNGS ON II'XTI' SHEET ARE ONE HALF THE SCALE NOTED

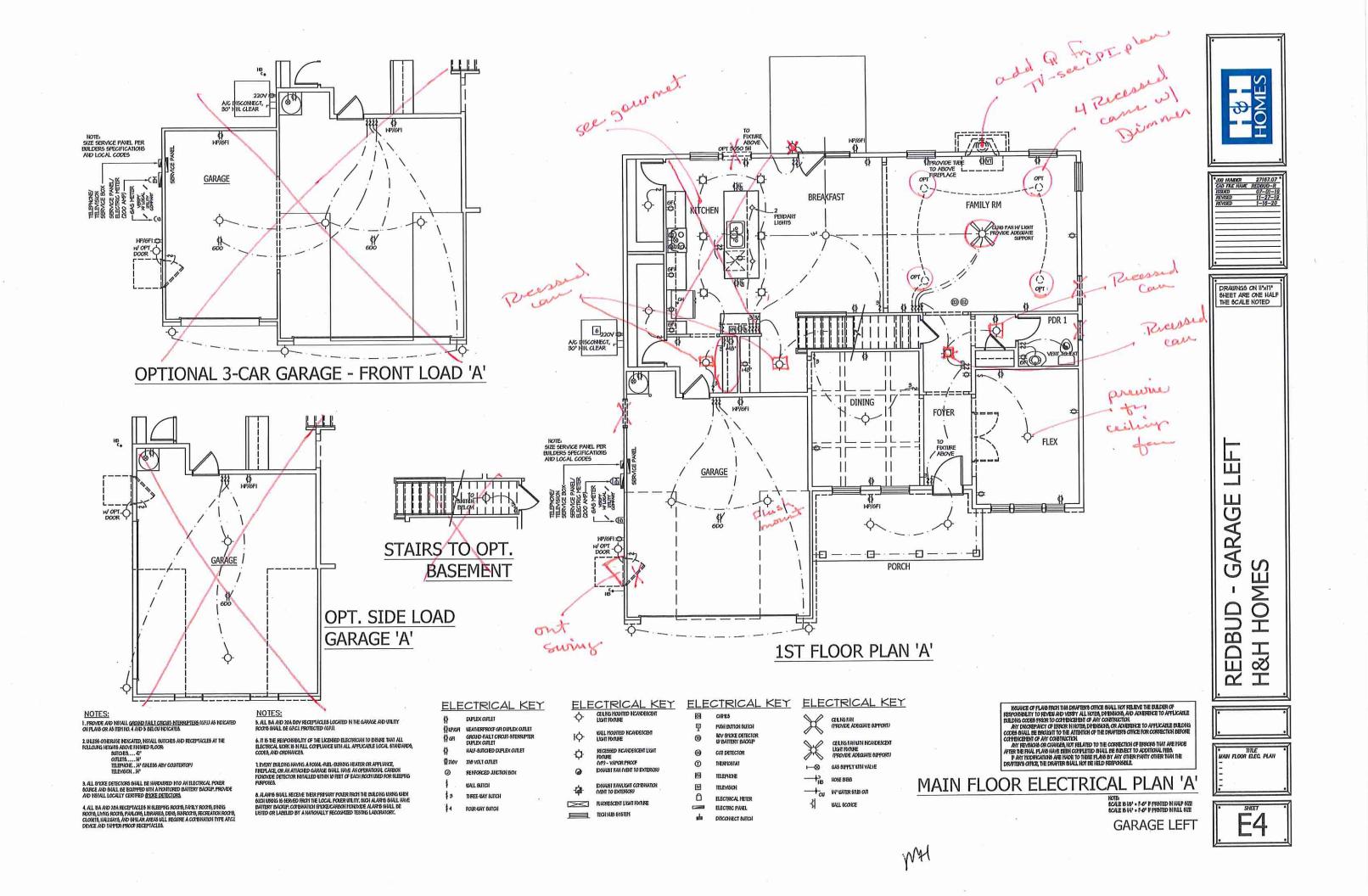
H GARAGE H&H HOMES REDBUD

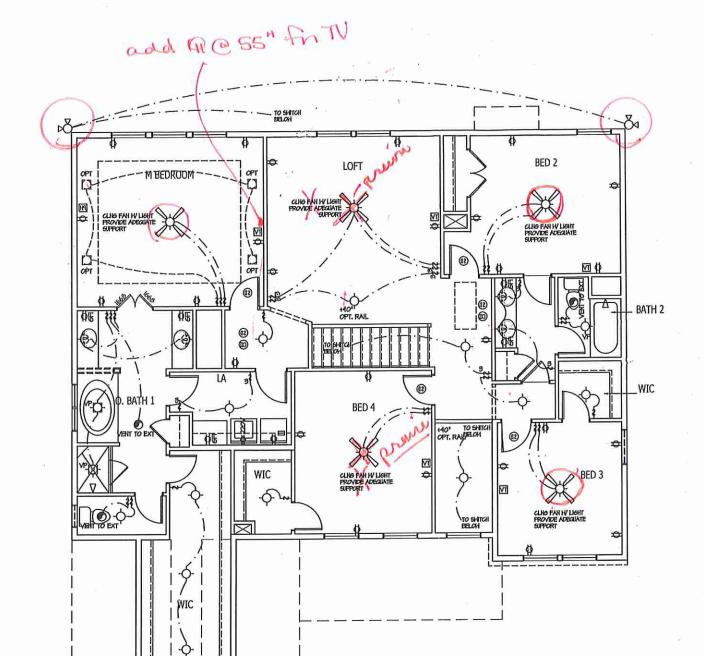
## **BUILDING SECTIONS**

NOTE: SCALE IS NO' + 1-0' F PRNIED IN HALF SIZE SCALE IS NO' + 1-0' F PRNIED IN HALF SIZE GARAGE LEFT



FRONT ELEVATION DETAILS





2ND FLOOR PLAN 'A'

NOTES: I. PROVOE AND INSTALL GROUND FALL CROUS-INSERSIPSES (GSU) AS INDICATED OF LAW OR AS INSTALL GROUND FOLKIES.

CUTCHEA ... 4" TELEPHONE. H' (INLESS ABY CONTERTOR)
TELEPHONE. H'

1. ALL OYKKE DETECTORS WHAL BE HARDWRED INTO AN ELECTRICAL POWER CORCE AND WHAL BE BOUTHED HIM A HONTORED BATTERY BACKEP, PROVIDE AND INSTALL LOCALLY CERTIFED <u>OYKKE DETECTORS</u>

A ALL DA AND MAN RECEPTACIES IN GLEFPIG ROCKS, FAVILY ROCKS, DANG ROCKS, LIMIS ROCKS, PARLORS, LERANESS, DEIS, QUIROCKS, RECREATION ROCKS, CLORESS, MALISINS, AND ANSLAW AREAS WILL REQUIRE A COMPANION THE AFCL DEVICE AND THEFET-PROOF RECEPTACIES.

NOTES:

B. ALL BA AND 26A BOY RECEPTIALED LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GEAL PROTECTED (GFL)

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICAN TO BROWN THAT ALL ELECTRICAL WAY, IS NITULE CONTLINUE WITH ALL AFFLICABLE LOCAL STANDARDS

1 EVERT BULDY'S HAYA'S A ROCKLABLE-BURDIS HEATER OR AFFLANCE, HEEL ACE, OR MAINTA'S ED GARAGE WILL HAVE AN OFFICIATION, CARBON HANACKE DETECTOR NOTALLED BITHS' BY HEET OF EACH ROCK WEED FOR CLEEP NO FARFOCKS.

A JUATH WILL FECENE THER FROWN FOUR TRICH THE BILDY'S URB'S MEN BUSH MEN'S DE BERYOD FOOT THE LOCAL POWER VILLTY, BUSH JUATH SHULL HIME BUTTENT BACKEY, COMBANIAN SKEECKERSHINGKOOF, ALARTH MULL BE LINTED OR LIKELED BY A MAINWILLY RECORDED TROTHS LARGRANGOTT.

### ELECTRICAL KEY

DUPLEX COTLET PLEASE LEANERFROOF GIT DEFLEX CATLET GROUND-FALT CROUT-MIERREFIER DUFLEX OWNET

220 VOLT CUILET

KENFORCED JUICTICH BOX WILL BUTCH

DIFFEE-BAY BUTCH FOR ANY BUTCH

### ELECTRICAL KEY

FECENCED NICARDENCENT LIGHT FRANKE (AP) - VAPOR PROCE

FUSH BUTTON SUITON NOV CHOKE DETECTOR TATIONAT TELEYMON ELECTRICAL HETER

ELECTRIC PAVEL

## ELECTRICAL KEY ELECTRICAL KEY

CELNO FAN (PROYDE ADEQUATE SUFFORT) CELNS FAN WITH INCANDERCENT LIGHT FORME (FROMOE ADECLATE EXPRORT) GAS RUFFLY UTILYALVE --⊗ HOSE BEEB 

INIT ECONCE

## UPPER FLOOR ELECTRICAL PLAN 'A'

GARAGE LEFT





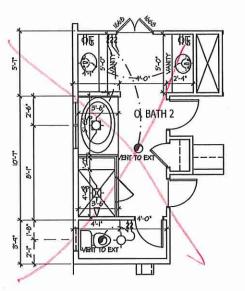
DRAWNGS ON II"XIT" SHEET ARE ONE HALF THE SCALE NOTED

Ш GARAGI HOMES REDBUD H&H

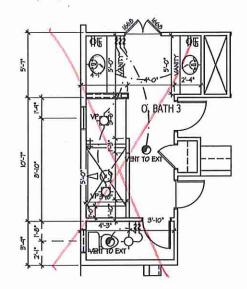
TITLE UPPER FLOOR ELEC. PLAN







## OPT. OWNER'S BATH 2



OPT. OWNER'S BATH 3

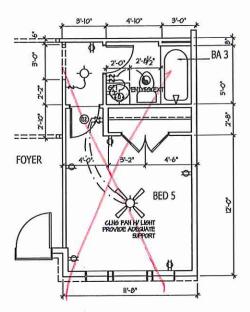


1. FRONDE A'D NOTALL GROAD FALT CROIT-NIERREPTERS (GFL) AS NOTATED OF FLANDOR AS ITEM 140, 4 AND 8 DELOTE NOTATES.

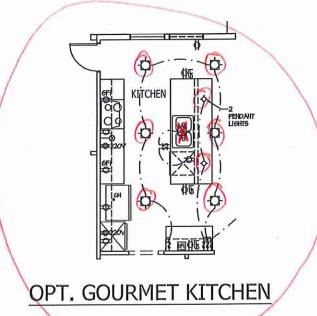
COTLETA ... 424

A ALL LYCKE DETECTORS AVALL BE HARDWIRED NTO AN ELECTRICAL POWER CORCE AND LYALL BE EXAMPTED WITH A HANTONED BATTERY BACKLY. FROMCE AND NOTALL LOCALLY CRETTED LYCKE DETECTORS.

A ALL BA AND SAA FECETVACIES IN BLEEPING FOCHS, FAVILY FOCHS, DANSO FOCHS, LIANS FOCHS, PARLARA, LIERANES, DEBA, BUNCONS, FECREAUTOR FOCHS, CLOSETS, WILLIAMS, AND INSTANCES BELLE A COMPANION THE AFCL DEVICE AND THEFER-PROOF FECETVACIES.



OPT. BED 5/ BATH 3





B. ALL BA AND 20A DOV RECEPTIVEES LOCATED IN THE GARAGE AND UTLITY ROOMS SHALL BE GECL PROTECTED (GFL)

6. IT IN THE RESPONSIBILITY OF THE LICENSED ELECTRICAL TO ENSURE THAT ALL ELECTRICAL DURK IN MILL COMPLIANCE WITH ALL MPSICABLE LOCAL STANDARDS

1 EVERY EULDY'S HAYY'S A FOKAL-REL-FURNY'S HEATER OR AFFLIA'SE, FREFLACE, OR AN ATTACLED GARAGE BUYLL HAYE AN OFERATIONAL CAREON FOLKYA'DE DETECTOR NOTALLED UITHN NO HEFT OF EACH FOCKLUED FOR KLEEPY

A JUANN SHUL RECEYE TIER FRYNCY FOUR FROM THE BULDH'S URRYS WER Bush irrae di Krined from the Local, pour villtir, bush aland shul hine Bushery Busher, combination wene chernen hendede aland bull be Listed or Lubeled dy a Ningaylly recognized testral lacoratory.

DIFLEX OUTLET CUPAR MEATHERPROOF OF DUFLEX OUTLET GROUND-FALT CROSS-NIERREPIER DIFLEX COLLET WE GITCED DIFLEX CITIES

200 YOLT OUTLET RENFORCED JUNCTION BOX

> WILL BUTCH THREE-BAY BUTTCH FOR BLY BUTCH

### ELECTRICAL KEY

## ELECTRICAL KEY ELECTRICAL KEY ELECTRICAL KEY

**OPT VALET** 

OPT. WORKSTATION

AND DROP ZONE

TRYLL HOWIED INCARDENCE! RECEIVED INCANDENCINI LIGHT HATURE (AP) - YAPOR FRIOOF THEFICE

SHARIT FAILURIT COMBINATI INVERVENT LIGHT FOURE

# O

CHES FUEL BUTTON BUTTON MATTERY BACKLE

TELEYBOOK

ELECTRICAL HETER

ELECTRIC PAREL

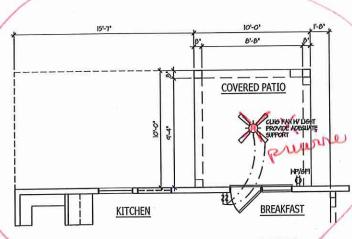
CELNG FAN UTN NCANDESCENT LUST FRANKE (FRO/DE ADEQUATE OUFFORT) GAS EXPELY WITH VALVE HOSE BES MA BRIDGE OUT

CELLYS FAH (FROMDE ADEQUATE OUTFORT)

DRAWINGS ON II"xIT" SHEET ARE ONE HALF THE SCALE NOTED

Ш Ш GARAGI HOME EDBUD H&H  $\alpha$ 





OPT. DROP ZONE

OPT. COVERED PATIO

HOUNCE OF FLANS FRICH THIS DEVELOPE CHICA BUILL NOT RELEVE THE DILLDER OF REPORTBUTTY TO REVIEW AND VERSY ALL NOTES, DYTHENORS, AND ACKETENCE TO AFFLICABLE BILDING COORD FROM TO CONTRICTED AFFECTIONS, AND ACKETENCE TO AFFLICABLE MAY DIAGREPACY OF FROM A NOTES OF PERSONS, ON A PARTIENCE TO AFFLICABLE BUILDING COORD MALL BE PROJECT TO THE ATTRITION OF THE DRAFFERS OFFICE FOR CONNECTION REFORE COORD MALL BE PROJECT TO THE ATTRITION OF THE DRAFFERS OFFICE FOR CONNECTION REFORE COORD MALL BE PROJECT TO THE ATTRITION OF THE DRAFFERS OFFICE FOR CONNECTION REFORE COORD MALL BE PROJECT TO THE ATTRITION OF THE DRAFFERS OFFICE FOR CONNECTION REFORE COORD MALL BE PROJECT TO THE ATTRITION OF THE DRAFFERS OFFICE FOR CONNECTION REFORE COORD MALL BE PROJECT TO THE ATTRITION OF THE PROJECT OF THE P

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### **ELECTRICAL OPTION**

HOTE BCALE IS NO' = 1-0" IF PRINTED IN HALF BAZE BCALE IS NO' = 1-0" IF PRINTED IN HALF BAZE **GARAGE LEFT** 

• TITLE ELECTRIC AT PLAN OPTIONS





1900 AM DRIVE, SUITE 201, QUAKERTOWN, PA 18951 (215) 804 - 4449 www.kse-eng.com

# **REDBUD**

### CAROLINA DIVISION

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. THIS COORDINATION IS NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD (SER). SHOULD ANY DISCREPANCIES BECOME APPARENT, THE CONTRACTOR SHALL NOTIFY KSE ENGINEERING, P.C. BEFORE CONSTRUCTION BEGINS. IT IS THE INTENT OF THE ENGINEER LISTED ON THESE DOCUMENTS THAT THESE DOCUMENTS BE ACCURATE, PROVIDING LICENSED PROFESSIONALS CLEAR INFORMATION. EVERY ATTEMPT HAS BEEN MADE TO PREVENT ERROR. THE BUILDER AND ALL SUBCONTRACTORS ARE REQUIRED TO REVIEW ALL OF THE INFORMATION CONTAINED IN THESE DOCUMENTS PRIOR TO THE COMMENCEMENT OF ANY WORK. THE ENGINEER IS NOT RESPONSIBLE FOR ANY PLAN ERRORS, OMISSIONS, OR MISINTERPRETATIONS UNDETECTED AND NOT REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION. ALL CONSTRUCTION MUST BE IN ACCORDANCE TO THE INFORMATION FOUND IN THESE DOCUMENTS.

#### **DESIGN SPECIFICATIONS:**

DESIGN BUILDING CODE (REFERRED TO HEREIN AS 'THE BUILDING CODE'):

• 2018 NORTH CAROLINA RESIDENTIAL CODE. WALL BRACING PER INTERNATIONAL RESIDENTIAL

#### DESIGN LIVE LOADS:

• ROOF = 20 PSF (LOAD DURATION FACTOR=1.25)

- · UNINHABITABLE ATTICS WITH LIMITED STORAGE = 20 PSF (WHERE SPECIFIED ON PLANS)
- · HABITABLE ATTICS AND ATTICS SERVED WITH FIXED STAIRS = 30 PSF
- FLOOR = 40 PSF
- FLOOR (SLEEPING AREAS) = 30 PSF
- DECK = 40 PSF BALCONY = 40 PSF
- · STAIRS = 40 PSF

- DESIGN DEAD LOADS:
   ROOF TRUSS = 17 PSF (TC=7, BC=10) • FLOOR TRUSS = 15 PSF (TC=10, BC=5)
  - FLOOR JOIST = 10 PSF

  - QUEEN ANNE BRICK = 25 PSF

\*NOTE: STRUCTURAL FRAMING HAS NOT BEEN DESIGNED FOR TILE, GRANITE, MARBLE OR OTHER MATERIALS HEAVIER THAN THE ABOVE LOADING UNLESS SPECIFICALLY NOTED ON PLANS.\*.

- DESIGN WIND LOADS:

   ULTIMATE WIND SPEED = 120 MPH
  - EXPOSURE CATEGORY = B

ASSUMED SOIL BEARING CAPACITY = 2000 PSF

ASSUMED LATERAL SOIL PRESSURE = 45 PCF

FROST DEPTH = 12"

NCRC R301.1.3.

SEISMIC DESIGN CATEGORY = B

ENGINEERED LUMBER SHALL HAVE THE FOLLOWING MINIMUM DESIGN VALUES:

- TJI 210 SERIES (SERIES AND SPACING PER PLANS)
- LSL: E=1,550,000 PSI, F<sub>B</sub>=2,325 PSI, F<sub>V</sub>=310 PSI, F<sub>C</sub>=900 PSI
- LVL: E=2,000,000 PSI, F<sub>8</sub>=2,600 PSI, F<sub>V</sub>=285 PSI, F<sub>C</sub>=750 PSI PSL: E=2,100,000 PSI, F<sub>B</sub>=2,900 PSI, F<sub>V</sub>=290 PSI, F<sub>C</sub>=625 PSI

THIS PLAN HAS BEEN DESIGNED PER THE 2018 EDITION OF THE NC RESIDENTIAL CODE. WHERE FRAMING, FOUNDATION, OR OTHER STRUCTURAL ITEMS DO NOT COMPLY WITH THE PRESCRIPTIVE METHODS OF THE CODE, THOSE ITEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE PER





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.H. Division Redbud Model 120 M.P.H. Carolina Divisio

Project #: 105-16009

Designed By: KRK Checked By:

Issue Date: 4/1/19 Re-Issue:

1/4"=1'-0" @ 22x34

Scale: 1/8"=1'-0" @ 11x17



- 1. THE DESIGN PROFESSIONAL WHOSE SEAL APPEARS ON THESE DRAWINGS IS THE STRUCTURAL ENGINEER OF RECORD (SER) FOR THIS PROJECT. THE SER BEARS THE RESPONSIBILITY OF THE PRIMARY STRUCTURAL ELEMENTS AND THE PERFORMANCE OF THIS STRUCTURE. NO OTHER PARTY MAY REVISE, ALTER, OR DELETE ANY STRUCTURAL ASPECTS OF THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN CONSENT OF KSE ENGINEERING, P.C. OR THE SER. FOR THE PURPOSES OF THESE CONSTRUCTION DOCUMENTS, THE SER AND KSE ENGINEERING SHALL BE CONSIDERED THE SAME ENTITY.
- 2. THE STRUCTURE IS ONLY STABLE IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY BRACING DURING CONSTRUCTION TO STABILIZE THE STRUCTURE.

  3. THE SER IS NOT RESPONSIBLE FOR CONSTRUCTION SEQUENCES,

 THE SER IS NOT RESPONSIBLE FOR CONSTRUCTION SEQUENCES, METHODS, OR TECHNIQUES IN CONNECTION WITH THE CONSTRUCTION OF THIS STRUCTURE. THE SER WILL NOT BE HELD RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONTRACT DOCUMENTS. SHOULD ANY NON-CONFORMITIES OCCUR.

4. THE SER DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF GEOMETRY. THE SER ASSUMES NO LABILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. THE SER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS.

5. ANY STRUCTURAL ELEMENTS OR DETAILS NOT FULLY DEVELOPED ON THE CONSTRUCTION DRAWINGS SHALL BE COMPLETED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THESE SHOP DRAWINGS SHALL BE SUBMITTED TO KSE ENGINEERING FOR REVIEW BEFORE ANY CONSTRUCTION BEGINS. THE SHOP DRAWINGS WILL BE REVIEWED FOR OVERALL COMPLIANCE AS IT RELATES TO THE STRUCTURAL DESIGN OF THIS PROJECT. VERIFICATION OF THE SHOP DRAWINGS FOR DIMENSIONS, OR FOR ACTUAL FIELD CONDITIONS, IS NOT THE RESPONSIBILITY OF THE SER OR KSE ENGINEERING, P.C.

 VERIFICATION OF ASSUMED FIELD CONDITIONS IS NOT THE RESPONSIBILITY OF THE SER, THE CONTRACTOR SHALL VERIFY THE FIELD CONDITIONS FOR ACCURACY AND REPORT ANY DISCREPANCIES TO KSE ENGINEERING, P.C. BEFORE CONSTRUCTION BEGINS.

7. THE SER IS NOT RESPONSIBLE FOR ANY SECONDARY STRUCTURAL ELEMENTS OR NON-STRUCTURAL ELEMENTS, EXCEPT FOR THE ELEMENTS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS.

8. THIS STRUCTURE AND ALL CONSTRUCTION SHALL CONFORM TO ALL

HIS STRUCTURE AND ALL CONSTRUCTION SHALL CONFORM TO ALL
 APPLICABLE SECTIONS OF THE BUILDING CODE AND ANY LOCAL
 CODES OR RESTRICTIONS.
 DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE

OVER SCALED DIMENSIONS. ALL DIMENSIONS ARE TO FACE OF STUD OR TO FACE OF FRAMING UNLESS OTHERWISE NOTED.

10. PROVIDE MOISTURE PROTECTION AND FLASHING PER ARCHITECTURAL DETAILS.

#### **FOUNDATIONS:**

1. FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH

CHAPTER 4 OF THE BUILDING CODE.

CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE SUITABILITY
OF THE SITE SOIL CONDITIONS AT THE TIME OF CONSTRUCTION. THE
BUILDER SHALL FURNISH ANY AND ALL REPORTS RECEIVED FROM
THE GEOTECHNICAL ENGINEER ON THE STUDY OF THE PROPOSED
SITE TO THE DESIGNER, STRUCTURAL ENGINEER, AND GENERAL
CONTRACTOR

MAXIMUM DEPTH OF UNBALANCED FILL AGAINST MASONRY WALLS TO BE AS SPECIFIED IN THE BUILDING CODE.

4. THE SER HAS NOT PERFORMED A SUBSURFACE INVESTIGATION.
VERIFICATION OF THE ASSUMED VALUE IS THE RESPONSIBILITY OF THE
OWNER OR THE CONTRACTOR. SHOULD ANY ADVERSE SOIL CONDITION
BE ENCOUNTERED, THE SER MUST BE CONTACTED BEFORE
PROCEEDING

5. THE BOTTOM OF ALL FOOTINGS SHALL EXTEND BELOW THE FROST LINE FOR THE REGION IN WHICH THE STRUCTURE IS TO BE CONSTRUCTED, BUT NOT LESS THAN A MINIMUM OF 12" BELOW GRADE. ALL FOOTINGS TO HAVE A MINIMUM PROJECTION OF 2" ON EACH SIDE OF FOUNDATION WALLS. MAXIMUM FOOTING PROJECTION SHALL NOT EXCEED THE THICKNESS OF THE FOOTING.

S. WOOD SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH ½" ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM OF 6'-O" O.C. INSTALL MINIMUM 2 ANCHOR BOLTS PER SECTION, 12" MAXIMUM FROM CORNERS. ½" DIAMETER x 8" LONG SIMPSON TITEN HD OR USP SCREW-BOLT+ SCREWS MAY BE SUBSTITUTED ON A 1 FOR 1 BASIS.

 ANY FILL SHALL BE PLACED UNDER THE DIRECTION OR RECOMMENDATION OF A LICENSED PROFESSIONAL ENGINEER. THE RESULTING SOIL SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY.

8. EXCAVATIONS OF FOOTINGS SHALL BE LINED TEMPORARILY WITH A 6 MIL POLYETHYLENE MEMBRANE IF PLACEMENT OF CONCRETE DOES NOT OCCUR WITHIN 24 HOURS OF EXCAVATION.

 NO CONCRETE SHALL BE PLACED AGAINST ANY SUBGRADE CONTAINING WATER, ICE, FROST, OR LOOSE MATERIAL.

 PROVIDE FOUNDATION WATERPROOFING AND DRAIN WITH POSITIVE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS (SEE ARCHITECTURAL PLANS AND DETAILS).

NONE OF THE FOUNDATION DESIGNS IN THESE DOCUMENTS ARE SUITABLE FOR INSTALLATION IN SHRINK/SWELL CONDITIONS. REFER TO GEOTECHNICAL FRIGHTER FOR APPROPRIATE DESIGN.

12. LOTS SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE SHALL FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST TEN FEET.

 CRAWL SPACE TO BE GRADED LEVEL AND CLEAR OF ALL DEBRIS.
 PROVIDE MINIMUM 6 MIL APPROVED VAPOR BARRIER. ALL JOINTS TO BE LAPPED MINIMUM 12" AND SEALED. CONCRETE & REINFORCING

 CONCRETE DESIGN BASED ON ACI 318 AND ACI 318.1 OR ACI 332.
 CONCRETE SHALL HAVE A NORMAL WEIGHT AGGREGATE AND A MINIMUM COMPRESSIVE STRENGTH (I'c) = 3,000 PSI MINIMUM AT 28 DAY'S PER CODE (VARIES W/ WEATHER), UNLESS OTHERWISE NOTED ON THE PLAN.

 CONCRETE SHALL BE PROPORTIONED, MIXED, AND PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 318: "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 301: "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".

3. AIR ENTRAINED CONCRETE MUST BE USED FOR ALL STRUCTURAL ELEMENTS EXPOSED TO FREEZE/THAW CYCLES AND DEICING CHEMICALS. AIR ENTRAINMENT AMOUNTS (IN PERCENT) SHALL BE WITHIN -1% TO +2% OF 5% FOR FOOTINGS AND EXTERIOR SLA

 NO ADMIXTURES SHALL BE ADDED TO ANY STRUCTURAL CONCRETE WITHOUT WRITTEN PERMISSION OF THE SER, WATER ADDED TO CONCRETE ON SITE SHALL NOT EXCEED THAT ALLOWED BY THE MIX DESIGN.

 CONCRETE SLABS—ON—GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302.1R: "GUIDE FOR CONCRETE SLAB AND SLAB CONSTRUCTION".

6. CONTROL OR SAW CUT JOINTS (CUT OR TOOLED) SHALL BE SPACED IN INTERIOR SLABS-ON-GRADE AT A MAXIMUM OF 15'-0" O.C. AND IN EXTERIOR SLABS-ON-GRADE AT A MAXIMUM OF 10'-0" UNLESS OTHERWISE NOTED. CARE SHALL BE TAKEN TO AVOID RE-ENTRANT CONNESS.

 CONTROL OR SAW CUT JOINTS SHALL BE PRODUCED USING CONVENTIONAL CUT OR TOOLED PROCESSES WITHIN 4 TO 12 HOURS AFTER THE SLAR HAS BEEN EINISHED.

8. ALL WELDED WIRE FABRIC (W.W.F.) FOR CONCRETE SLABS—ON—GRADE SHALL BE PLACED AT MID—DEPTH OF SLAB. THE W.W.F. SHALL BE SECURELY SUPPORTED DURING THE CONCRETE POUR. FIBROUS CONCRETE REINFORCEMENT, OR POLYPROPYLENE FIBERS MAY BE USED IN LIEU OF W.W.F. APPLICATION OF POLYPROPYLENE FIBERS PER CUBIC YARD OF CONCRETE SHALL BE PER MANUFACTURER AND COMPLY WITH ASTM C1116, ANY LOCAL BUILDING CODE REQUIREMENTS AND SHALL MEET OR EXCEED CURRENT INDUSTRY STANDARD.

 POLYPROPYLENE REINFORCING TO BE 100% VIRGIN, CONTAINING NO REPROCESSED OLEFIN MATERIALS AND SPECIFICALLY MANUFACTURED FOR USE AS CONCRETE SECONDARY REINFORCEMENT.

 STEEL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO ASTM AG15. GRADE 60.

 DETAILING, FABRICATION, AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315: "MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES".

 HORIZONTAL FOOTING AND WALL REINFORCEMENT SHALL BE CONTINUOUS AND SHALL HAVE 90' BENDS, OR CORNER BARS WITH THE SAME SIZE/SPACING AS THE HORIZONTAL REINFORCEMENT.

THE SAME SIZE/SPACING AS THE HORIZONTAL REINFORCEMENT.

13. PROVIDE REINFORCEMENT LAP AS NOTED BELOW, UNLESS NOTED OTHERWISE.

#4 BARS - 30" LENGTH #5 BARS - 38" LENGTH #6 BARS - 45" LENGTH

14. WHERE REINFORCING DOWELS ARE REQUIRED, THEY SHALL BE EQUIVALENT IN SIZE AND SPACING TO THE VERTICAL REINFORCEMENT. THE DOWEL SHALL EXTEND 48 BAR DIAMETERS VERTICALLY AND 20 BAR DIAMETERS INTO THE FOOTING. SEE KSE FOUNDATION DETAILS.

15. WHERE FOOTING BOTTOMS ARE TO BE STEPPED AT SLOPING GRADE

CONDITIONS, PROVIDE CONTINUOUS REINFORCING WITH Z BARS (TO MATCH FOOTING REINFORCING) AS REQUIRED.

16. BAR SUPPORT ACCESSORIES SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, EXCEPT THAT REINFORCING SHALL BE CHAIRED ON THE BOTTOM AND/OR THE SIDES ON BOLSTERS SPACED NOT MORE THAN 4 FEET ON CENTER. NO ROCKS, CMU, CLAY TILE, OR BRICK SHALL BE USED TO SUPPORT REINFORCING.

17. FOR GRADE SUPPORTED SLABS, SLAB REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS AND ACCESSORIES AS DESCRIBED IN THE CRSI MANUAL OF STANDARD PRACTICE, BAR SUPPORTS SHALL BE SPACED A MAXIMUM OF 4'-O" O.C. BOTH WAYS IN STRAIGHT LINES ON THE MESH GRID.

#### MASONRY

1. ALL MASONRY SHALL CONFORM TO ASTM C-90, F'm=1500 PSI. ALL BRICK SHALL CONFORM TO ASTM C-216, F'm=1500 PSI. ALL MORTAR SHALL BE TYPE 'S' (TYPE 'M' BELOW GRADE) AND CONFORM TO ASTM C-270. COARSE GROUT SHALL CONFORM TO ASTM C-476 WITH A MAXIMUM AGGREGATE SIZE OF 36" AND A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

 ALL MASONRY WORK SHALL BE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530/ASCE 5/TMS 402 AND "SPECIFICATIONS FOR MASONRY STRUCTURES" ACI 530.1/ ASCE 6/TMS 602.

 THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION.

I INES THEIR LEAST DIMENSION.

EACH CRAWL SPACE PIER SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING AND EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS, PILASTERS TO BE BONDED TO PERIMETER FOUNDATION WAIL.

 TOP COURSE OF MASONRY SHALL BE GROUTED SOLID.
 HORIZONTAL WALL JOINT REINFORCEMENT SHALL BE STANDARD 9 GAGE GALVANIZED LADDER OR TRUSS TYPE SPACED AT 16" O.C., UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

7. SPLICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6". LAP WITH STANDARD 'T' AND 'L' SHAPED PIECES AT INTERSECTIONS AND CORNERS.

WOOD FRAMING:

. SOLID SAWN WOOD FRAMING MEMBERS SHALL CONFORM TO THE SPECIFICATIONS LISTED IN THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION": (NDS). UNLESS OTHERWISE NOTED, ALL WOOD FRAMING MEMBERS ARE DESIGNED TO BE:

SPRUCE-PINE-FIR (SPF) WITH THE FOLLOWING MINIMUM DESIGN VALUES:

E=1,400,000 PSI, F<sub>b</sub>=875 PSI, F<sub>v</sub>=135 PSI

1.2. PLATES: SPF #2.

1.3. STUDS: SPF STUD GRADE.
WALL STUD SPACING, (MAXIMUM 10' NOMINAL PLATE HEIGHT):
1 & 2 STORY EXTERIOR AND INTERIOR BEARING:

2x4 © 16" O.C. OR 2x6 © 24" O.C., U.N.O. BOTTOM OF 3 STORIES EXTERIOR AND INTERIOR BEARING: 2x6 © 16" O.C., U.N.O.

INTERIOR NON-BEARING: 2x @ 24" O.C., U.N.O.

3. ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE TREATED SOUTHERN YELLOW PINE #2 OR BETTER

4. ANCHOR SILL PLATES IN ACCORDANCE W/ GENERAL STRUCTURAL NOTES.
5. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY BE SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.

6. MAILS SHALL BE COMMON WIRE NAILS UNLESS OTHERWISE NOTED. 7. BOLT HOLES AND LEAD HOLES FOR LAG SCREWS SHALL BE IN

 FACE NAIL ALL MULTI-PLY BEAMS AND HEADERS WITH (2) ROWS 16d COMMON NAILS @ 16" O.C., STAGGERED, OR PER MANUFACTURER'S SPECIFICATIONS FOR ENGINEERED LUMBER. APPLY NAILING FROM BOTH FACES FOR (3) OR MORE PLIES.

10. FASTEN 4-PLY BEAMS WITH (1) 1/2" DIAMETER THROUGH BOLT W/ NUTS AND WASHERS AT 12" O.C. STAGGERED TOP AND BOTTOM, 11/2" MINIMUM EDGE DISTANCE. (UNLESS OTHERWISE NOTED)

 ALL BEAMS AND HEADERS SHALL HAVE (1)2x JACK STUD & (1)2x KING STUD UNLESS OTHERWISE NOTED. THE NUMBER OF STUDS INDICATED ON PLANS ARE THE TOTAL NUMBER OF JACK STUDS REQUIRED, UNLESS OTHERWISE NOTED.

12. PROVIDE KING STUDS AT EACH END OF HEADERS AS NOTED BELOW.

(1) STUD UP TO 6' OPENING

(2) STUDS UP TO 8' OPENING (3) STUDS UP TO 9' OPENING

13. ALL BEAMS TO BE CONTINUOUSLY SUPPORTED LATERALLY AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED WITH A MINIMUM OF TWO STUDS, UNLESS OTHERWISE NOTED. ALL BEAM SPLICES SHALL OCCUR OVER SUPPORTS.

 SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.
 ALL LUMBER SPECIFIED ON DRAWINGS IS INTENDED FOR DRY USE ONLY

(MOISTURE CONTENT <19%) UNLESS OTHERWISE NOTED.

16. ALL WATERPROOFING AND FIRE SAFETY SYSTEMS ARE THE
RESPONSIBILITY OF THE CONTRACTOR AND ARE TO BE DESIGNED AND
DETAILED BY OTHERS

17. ANY WOOD FRAME INTERIOR BEARING WALL STUDS THAT HAVE HOLES IN THE CENTER OF THE STUD UP TO 1" DIAMETER SHALL HAVE STUD PROTECTION SHIELDS. ALL HOLES OVER 1" IN DIAMETER FOR PLUMBING LINES, ETC. SHALL BE REPAIRED WITH SIMPSON HSS2 OR USP STS1 STUD SHOES, TYPICAL, UNLESS OTHERWISE NOTED.

18. BEARING WALLS SHALL BE SHEATHED ON NOT LESS THAN ONE SIDE WITH OSB OR GYPSUM BOARD. BRIDGING SHALL BE INSTALLED NOT GREATER THAN 4 FEET APART MEASURED VERTICALLY FROM EITHER END OF THE STUD IN LIEU OF SHEATHING.

 DIAGONAL BRACING SHALL BE INSTALLED AT EACH END OF BASEMENT BEARING WALLS AND NOT MORE THAN 20' ON CENTER.

#### EXTERIOR WOOD FRAMED DECKS:

1. DECKS ARE TO BE FRAMED IN ACCORDANCE WITH APPLICABLE BUILDING CODES AND AS REFERENCED ON THE STRUCTURAL PLANS, EITHER THROUGH CODE REFERENCES OR CONSTRUCTION DETAILS.

2. PRESERVATIVE TREATED WOOD FRAMING TO BE SOUTHERN YELLOW

PINE #2 OR BETTER.
3. GUARD RAILS REQUIRED AT DECKS. DESIGN BY OTHERS TO MEET

MINIMUM CODE REQUIREMENTS.

4. PROVIDE DECK LATERAL LOAD AND BRACING CONNECTIONS PER BUILDING

### RAFTER FRAMED ROOF CONSTRUCTION:

PROVIDE 2x4x4'-O" RAFTER TIES AT 48" O.C.
 RAFTERS SHALL BE SUPPORTED BY PURLINS AND PURLIN BRACES
AS SHOWN ON THE PLAN. PURLIN BRACES SHALL NOT BEAR ON
ANY CFILING JOIST. STRONGBACK OR HEADER UNLESS SPECIFICALLY

SHOWN ON PLAN. RAFTERS MAY BE SPLICED AT PURLIN LOCATIONS.

3. CEILING JOISTS SHALL HAVE LATERAL SUPPORT W/ 1x4 FLAT BRACING ON TOP EDGE OF JOIST A LOOSE JOIST ENDS (WHERE JOISTS NOT FASTENED TO RAFTERS) OR FULL DEPTH BLOCKING. FASTEN END OF BRACING TO RAFTER OR GABLE END FRAMING.

FASTEN END OF BRACING TO RAFTER OR GABLE END FRAMING.
FASTEN RAFTER AND CEILING JOIST WITH (6) 12d NAILS UNLESS
OTHERWISE NOTED.

PROVIDE VERTICAL 2x6 STRONGBACKS AT CEILING JOISTS ® 8'-0"
O.C. TIE STRONGBACK ENDS TO GABLE STUDS OR RAFTERS WHERE
POSSIBLE. PROVIDE BLOCKING BETWEEN TOP PLATES AND
STRONGBACKS. PROVIDE 2x4 FLAT FASTENED TO EACH JOIST WITH
(2) 12d NAILS. FASTEN STRONGBACK TO 2x4 FLAT WITH 12d NAILS

® 12" O.C. AND FASTENED TO EACH JOIST WITH (1) 12d TOENAIL.

WOOD TRUSSES (FLOOR & ROOF):

1. THE WOOD TRUSS MANUFACTURER/FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF THE WOOD TRUSSES. SUBMIT SEALED SHOP DRAWINGS AND SUPPORTING CALCULATIONS TO THE SER FOR REVIEW PRIOR TO FABRICATION. THE SER SHALL HAVE A MINIMUM OF (5) DAYS FOR REVIEW. THE REVIEW BY THE SER SHALL BE FOR OVERALL COMPLIANCE OF THE DESIGN DOCUMENTS. THE SER SHALL ASSUME NO RESPONSIBILITY FOR THE CORRECTNESS OF THE STRUCTURAL DESIGN FOR THE WOOD TRUSSES.

2. THE WOOD TRUSSES SHALL BE DESIGNED FOR ALL REQUIRED LOADINGS AS SPECIFIED IN THE LOCAL BUILDING CODE, THE ASCE STANDARD "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES." (ASCE 7), AND THE LOADING REQUIREMENTS SHOWN ON THESE SPECIFICATIONS. THE TRUSS DRAWINGS SHALL BE COORDINATED WITH ALL OTHER CONSTRUCTION DOCUMENTS AND PROVISIONS PROVIDED FOR LOADS SHOWN ON THESE DRAWINGS INCLUDING BUT NOT LIMITED TO HYAC EQUIPMENT, PIPING, AND ARCHITECTURAL FIXTURES ATTACHED TO THE TRUSSES.

 THE TRUSSES SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/TPI 1: "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION".

4. THE TRUSS MANUFACTURER SHALL PROVIDE ADEQUATE BRACING INFORMATION IN ACCORDANCE WITH "BUILDING COMPONENT SAFETY INFORMATION GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES" (BCSI). THIS BRACING, BOTH TEMPORARY AND PERMANENT, SHALL BE SHOWN ON THE SHOP DRAWINGS. ALSO, THE SHOP DRAWINGS SHALL SHOW THE REQUIRED ATTACHMENTS FOR THE TRUSSES.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING TEMPORARY BRACING AND SHORING FOR THE FLOOR AND ROOF TRUSSES AS REQUIRED DURING CONSTRUCTION. AT A MINIMUM, CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE LATEST BCSI. THE CONTRACTOR SHALL KEEP A

COPY OF THE BCSI SUMMARY SHEETS ON SITE.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PERMANENT TRUSS BRACING SHOWN IN THE STRUCTURAL DRAWINGS AND IN THE TRUSS DESIGNS. ALL CONTINUOUS LATERAL BRACING OF WEBS REQUIRES BRACES. REFER TO BCSI SUMMARY SHEET B3 FOR TYPES OF DIAGONAL BRACES TO PROVIDE AT EACH CONTINUOUS LATERAL BRACE LINE. SUCH DIAGONAL BRACES SHALL NOT BE SPACED MORE THAN 20 FEET O.C. DIAGONAL BRACES SHALL BE FASTENED TO EACH TRUSS WEB WITH A MINIMUM OF TWO 10d FACE NAILS. WHERE CONTINUOUS LATERAL BRACING CANNOT BE INSTALLED, DUE TO A MINIMUM OF THREE ADJACENT TRUSSES NOT BEING IDENTICAL, THE CONTRACTOR SHALL COORDINATE WITH THE TRUSS SPECIALTY ENGINEER/MANUFACTURER TO DETERMINE WHAT TYPE OF ALTERNATE BRACE (I.E., T OR L BRACE, ETC.) IS REQUIRED.

 ANY CHORDS OR TRUSS WEBS SHOWN ON THESE DRAWINGS HAVE BEEN SHOWN AS A REFERENCE ONLY. THE FINAL DESIGN OF THE TRUSSES

SHALL BE PER THE MANUFACTURER.

8. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN ON THE SEALED STRUCTURAL DRAWINGS. TRUSS PROFILES TO BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS.

 TRUSS MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTORS FOR ALL TRUSSES.
 PROVIDE SIMPSON H2.5A, USP RT7 OR EQUIVALENT AT EACH TRUSS TO

### WOOD STRUCTURAL PANELS:

 FABRICATION AND PLACEMENT OF STRUCTURAL WOOD SHEATHING SHALL BE IN ACCORDANCE WITH THE APA DESIGN/CONSTRUCTION GUIDE "RESIDENTIAL AND COMMERCIAL," AND ALL OTHER APPLICABLE APA STANDARDS.

TOP PLATE CONNECTION, UNLESS OTHERWISE NOTED.

ALL REQUIRED WOOD SHEATHING SHALL BEAR THE MARK OF THE APA.

3. WOOD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL BUILDING CODES FOR THE APPROPRIATE STATE AS INDICATED ON THESE DRAWINGS. REFER TO WALL BRACING NOTES IN PLAN SET FOR MORE INFORMATION. EXTERIOR WALLS TO BE FULLY SHEATHED USING %6" OSB OR PLYWOOD MINIMUM. AT BRACED WALL PANELS, PROVIDE BLOCKING AT ALL SHEET EDGES NOT FALLING ON STUDS OR PLATES.

OR PLATES.

ROOF SHEATHING SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2. ROOF SHEATHING SHALL BE CONTINUOUS OVER TWO SUPPORTS MINIMUM AND ATTACHED TO ITS SUPPORTING ROOF FRAMING WITH 8d NAILS AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN PANEL FIELD UNLESS OTHERWISE NOTED ON THE PLANS. SHEATHING SHALL BE APPLIED WITH THE LONG DIRECTION PERPENDICULAR TO FRAMING. SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE FRAMING SPACING. PROVIDE SUITABLE EDGE SUPPORT BY USE OF PLYWOOD CLIPS OR LUMBER BLOCKING UNLESS OTHERWISE NOTED. PANEL END JOINTS SHALL OCCUR OVER FRAMING. ROOF SHEATHING TO BE 36." OSB MINIMUM.

TO BE %4" OSB MINIMUM.

5. WOOD FLOOR SHEATHING SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2. ATTACH SHEATHING TO ITS SUPPORTING FRAMING WITH (1) 10d NAIL AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN PANEL FIELD UNLESS OTHERWISE NOTED ON THE PLANS, SHEATHING SHALL BE APPLIED PERPENDICULAR TO FRAMING SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE FRAMING SPACING. PROVIDE SUITABLE EDGE SUPPORT BY USE OF T&G PLYWOOD OR LUMBER BLOCKING UNLESS OTHERWISE NOTED. PANEL END JOINTS SHALL OCCUR OVER FRAMING.

PANEL END JOINTS SHALL OCCUR OVER FRAMING.

6. SHEATHING SHALL HAVE A X" GAP AT PANEL ENDS AND EDGES AS RECOMMENDED IN ACCORDANCE WITH THE APA.

STRUCTURAL FIBERBOARD PANELS:

STRUCTURAL FIBERBOARD SHEATHING SHALL ONLY BE USED WHERE SPECIFICALLY NOTED ON THE STRUCTURAL PLANS.
 FABRICATION AND PLACEMENT OF STRUCTURAL FIBERBOARD

 FABRICATION AND PLACEMENT OF STRUCTURAL FIBERBOARD SHEATHING SHALL BE IN ACCORDANCE WITH THE APPLICABLE AFA STANDARDS.

FIBERBOARD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL BUILDING CODES FOR THE APPROPRIATE STATE AS INDICATED ON THESE DRAWINGS, REFER TO WALL BRACING NOTES IN PLAN SET FOR MORE INFORMATION.

4. SHEATHING SHALL HAVE A 1/8" GAP AT PANEL ENDS AND EDGES AS RECOMMENDED IN ACCORDANCE WITH THE AFA.

#### STRUCTURAL STEEL:

STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND OF THE MANUAL OF STEEL CONSTRUCTION "LOAD RESISTANCE FACTOR DESIGN" LATEST EDITIONS.

 ALL STEEL SHALL HAVE A MINIMUM YIELD STRESS (F<sub>y</sub>) OF 50 KSI UNLESS OTHERWISE NOTED.

WELDING SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE AWA D1.1. ELECTRODES FOR SHOP AND FIELDING WELDING SHALL BE CLASS E70XX. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER PER THE ABOVE STANDARDS.

ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3½" AND FULL FLANGE WIDTH UNLESS OTHERWISE NOTED. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR (2) ½" x 4" LAG SCREWS

UNLESS OTHERWISE NOTED.

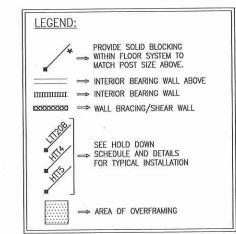
5. INSTALL 2x WOOD PLATE ON TOP OF STEEL BEAMS, RIPPED TO MATCH BEAM WIDTH, FASTEN PLATE TO BEAM W/ HILTI X-DNI 52 PB PINS AT 12" O.C. STAGGERED OR ½" DIAMETER BOLTS AT 24"

#### MECHANICAL FASTENERS:

. ALL METAL HARDWARE AND FASTENERS TO BE SIMPSON STRONG—TIE OR APPROVED EQUIVALENT.

 ALL HARDWARE AND FASTENERS IN CONTACT WITH PRESERVATIVE PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A 153, G-185.

3. MANY OF THE NEW PRESSURE TREATED WOODS USE CHEMICALS THAT ARE CORROSIVE TO STEEL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE TYPE OF WOOD TREATMENT AND SELECT APPROPRIATE CONNECTORS THAT WILL RESIST THE APPLICABLE CORROSIVE CHEMICALS.



SPAN	LINTEL SIZE	END BEARING
UP TO 3'-0"	3½"x3½"x¼"	4"
UP TO 6'-3"	5"x3½"x5(6" L.L.V.	8"
UP TO 9'-6"	6"x3½"x5(6" L.L.V.	12"



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Checked By:
Issue Date: 1/1/19

Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

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13'-85"

GARAGE SLAB 4" THICK CONCRETE SLAB W/ FIBERMESH ON 6 MIL YAPOR

BARRIER ON 95% COMPACTED FILL. SLOPE 1/8" PLR 1'-0"

TOWARDS DOOR.

MWALL SLAB FOUNDATION PLAN

30"x30"x12"-

DEEP CONCRETE

FOOTING

ロニニコ

mm

30"x30"x12"

OTING

DER CONCRETE

-8" WIDE 🐒

TURNDOWN @ DOOR OPENING

36"x30"x12"

EP CONCRETE

FOOTING

OPT. SIDE LOAD GARAGE

7







**LEGEND** 

PROVIDE SOLID BLOCKING WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE.

======= ⇒ BEARING WALL ABOVE IIIIIIIIII ⇒ INTERIOR BEARING WALL 48" WSP

BRACED WALL PANEL (SEE KSE STRUCTURAL DETAIL SHEETS FOR BRACED WALL PANEL SHEATHING FASTENING & BLOCKING DETAILS)

REFER TO KSE STRUCTURAL DETAILS SHEETS FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS

#### KEYNOTES:

(7) REINFORCE 8" CMU WALL AND FOOTING UNDER PORTAL FRAME PER DETAIL A OR B/SD-4.



Stem Wall Foundation Ferration A & Option Redbud Model — LH 120 M.P.H.

Project #: 105-16009 Designed By: KRK

Checked By: Issue Date: 4/1/19

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Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

SECOND FLOOR FRAMING PLAN ELEVATION A







PROVIDE SOLID BLOCKING ⇒ WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE.

→ BEARING WALL ABOVE

& BLOCKING DETAILS)

IIIIIIIIII ⇒ INTERIOR BEARING WALL 48" WSP ⇒ BRACED WALL PANEL (SEE KSE STRUCTURAL DETAIL SHEETS FOR BRACED WALL PANEL SHEATHING FASTENING

REFER TO KSE STRUCTURAL DETAILS SHEETS FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS

PLAN DESIGNED WITH 9' WALL PLATES

FLOOR FRAMING TO BE 14" DEEP TJI 110 SERIES OR EQUAL, SPACING PER MANUFACTURER.

KEYNOTES:

(5) INSTALL TWO PANEL CS-PF PORTAL FRAME PER DETAIL A OR B/SD-4.



집 Framing

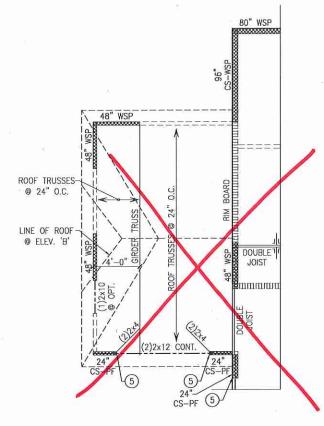
Second Floor Fra Elevation A Redbud Model — 120 M.P.H. Carolina Division

Project #: 105-16009 Designed By: KRK

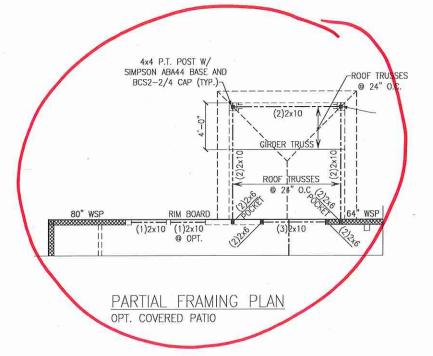
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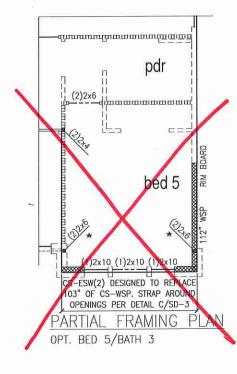
Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

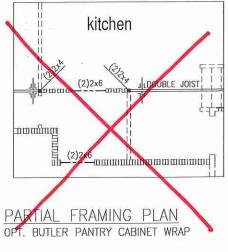


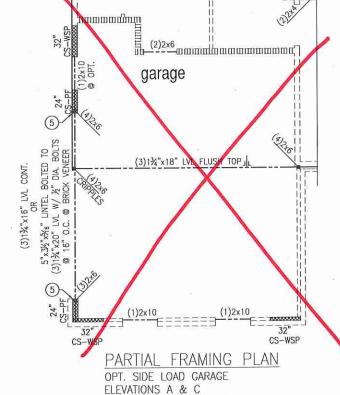


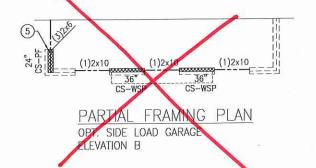
PARTIAL FRAMING PLAN OPTIONAL 3-CAR SWING IN CARRIAGE GARAGE











LEGEND

PROVIDE SOLID BLOCKING

⇒ WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE.

48" WSP

⇒ BEARING WALL ABOVE IIIIIIIIIII 

INTERIOR BEARING WALL

⇒ BRACED WALL PANEL (SEE KSE STRUCTURAL DETAIL SHEETS FOR BRACED WALL PANEL SHEATHING FASTENING & BLOCKING DETAILS)

REFER TO KSE STRUCTURAL DETAILS SHEETS FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS

PLAN DESIGNED WITH 9' WALL PLATES

FLOOR FRAMING TO BE 14" DEEP TJI 110 SERIES OR EQUAL, SPACING PER MANUFACTURER.

KEYNOTES:

5) INSTALL TWO PANEL CS-PF PORTAL FRAME PER DETAIL A OR B/SD-4.



Second Floor F Options Redbud Model 120 M.P.H. Carolina Division Project #: 105-16009 Designed By: KRK Checked By: Issue Date: 4/1/19 Re-Issue:

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Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34



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Roof Framing Pla Elevation A Redbud Model — 120 M.P.H. Carolina Division

Project #: 105-16009

Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

Designed By: KRK Checked By: Issue Date: 4/1/19

Plan



LEGEND PROVIDE SOLID BLOCKING ⇒ WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE.

⇒ BEARING WALL ABOVE IIIIIIIIII -> INTERIOR BEARING WALL

■ BRACED WALL PANEL (SEE KSE STRUCTURAL DETAIL SHEETS FOR BRACED WALL PANEL SHEATHING FASTENING

& BLOCKING DETAILS)

REFER TO KSE STRUCTURAL DETAILS SHEETS FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS

PLAN DESIGNED WITH 9' WALL PLATES

### KEYNOTES:

- ONNECT STUD AT END OF BRACED
  WALL PANEL TO FRAMING BELOW WITH A
  30" LONG SIMPSON CS22 COIL STRAP WITH MIN 8-10d NAILS EACH END.
- (10) 8'x12' HVAC PLATFORM TRUSSES DESIGNED TO SUPPORT HVAC UNITS.
- 11) 2x6 OVERFRAMING W/ 2x8 RIDGE AND VALLEY PLATES OR VALLEY SET TRUSSES © 24" O.C. (TYP.)

ROOF FRAMING PLAN ELEVATION A

loft

bed 4

(1)2x10

\_\_\_(1)2x10

bed 2

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(1)2×10 @ OPT.

\_31"\_\_

CS-WSP

-2x6 @ 12" O.C. BALLOON FRAMED WALL

ROOF TRUSSES

@ 24" O.C.

bed 3

\_\_\_32" \_\_CS-WSP

ROOF TRUSSES-

@ 24" O.C.

OPT. MASTER

BATH 2

OPT. MASTER

BATH 3

(2)2x10 (1)2x10 (1)2x10

#m. ba

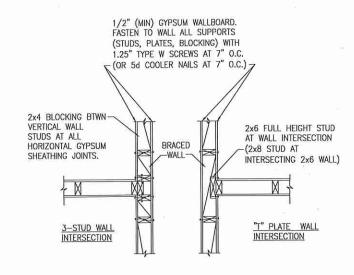
wic

m bedroom



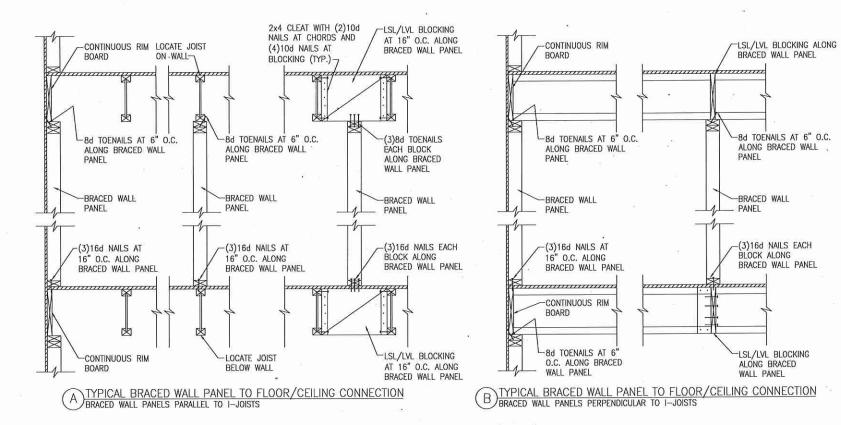


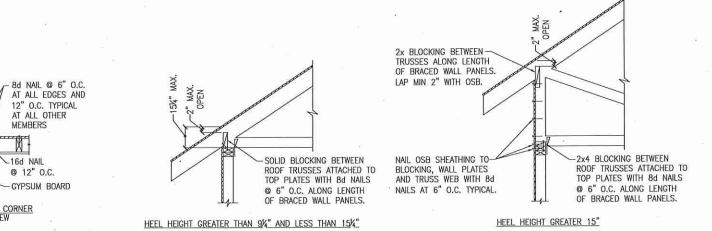




BRACED WALL INTERSECTIONS MAY BE FRAMED USING EITHER THE 3-STUD OR THE T-PLATE METHOD.

(C) METHOD GB(1) AND GB(2) INTERSECTION DETAILS





(D) TYPICAL EXTERIOR CORNER WALL FRAMING

OUTSIDE CORNER
PLAN VIEW

FXTERIOR

SHEATHING

GYPSUM BOARD-

EXTERIOR SHEATHING-

16d NAIL -

@ 12" O.C.

ROOF TRUSS BEARING/BLOCKING AT BRACED WALL PANELS ONLY REQUIRED AT BRACED WALL PANELS

Project #: 105-19000 Designed By: KRK Checked By: Issue Date: 1/1/19 Re-Issue:

Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

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120 M.P. Carolina

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## (A) TYPICAL HOLD DOWN DETAIL

—HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET, SEE

PLANS FOR TYPE AND LOCATION.

DHOLD DOWN AT MONOLITHIC SLAB FOUNDATION

-A36 ALL THREAD ROD DRILLED AND

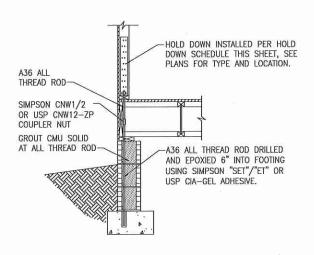
EPOXIED 6" INTO FOOTING USING SIMPSON

"SET"/"ET" OR USP CIA-GEL ADHESIVE.

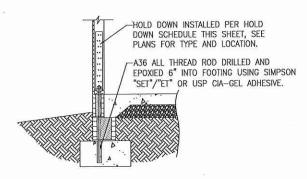
2x FULL HEIGHT
STUD W/ 16d
NAILS @ 6" O.C.

(2)2x FULL HEIGHT
STUD W/ 10d NAILS
DOWN INSTALLED PER HOLD
DOWN INSTALLED PER HOLD
DOWN SCHEDULE THIS SHEET, SEE
PLANS FOR TYPE AND LOCATION.

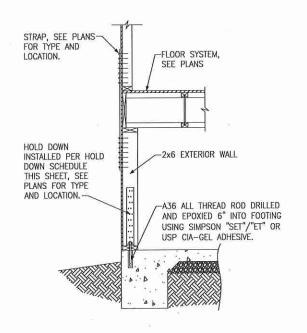
### (B) TYPICAL HOLD DOWN DETA



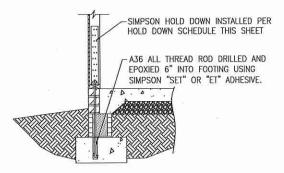
(E)HOLD DOWN AT CRAWL SPACE FOUNDATION



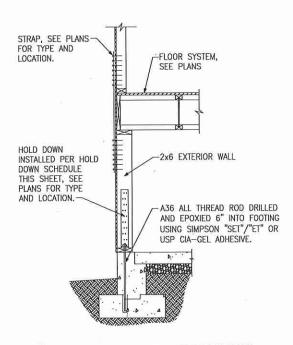
### C HOLD DOWN AT STEMWALL SLAB FOUNDATION



F)HOLD DOWN AT BASEMENT FOUNDATION



(C)HOLD DOWN AT STEMWALL SLAB



G HOLD DOWN AT BASEMENT FOUNDATION STEM WALL

	HOLI	DOWN SCH	EDULE
HOLD	DOWN	ALL THREAD ROD	FASTENERS
SIMPSON	USP	ALL ITINLAD ROD	TASTENENS
LTT20B	LTS20B	及" DIA.	(10)10d NAILS
HTT4	HTT16	%" DIA.	(18)16dx2½" LONG NAILS
НП5	HTT45	5⁄8" DIA.	(26)16dx2½" LONG NAILS



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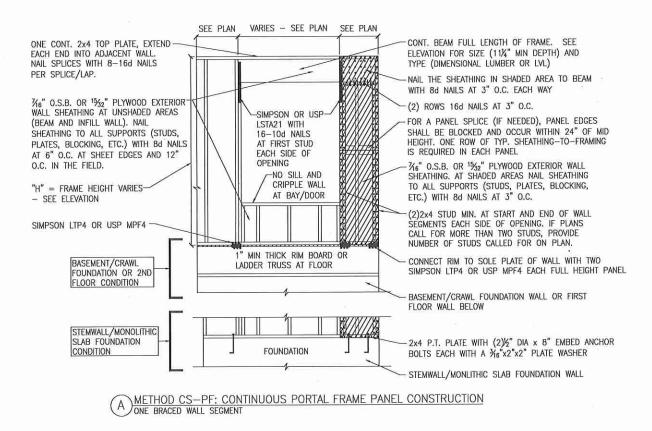
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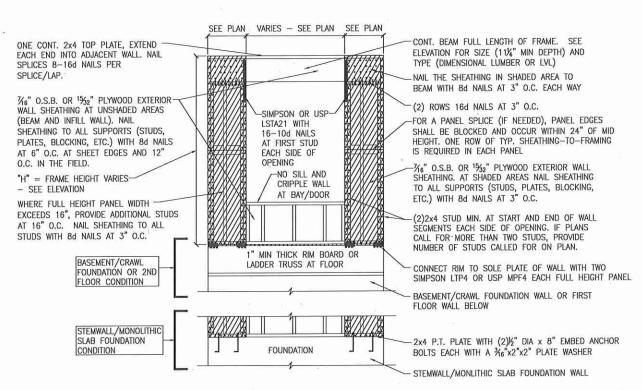
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1/4"=1'-0" @ 22x34

SD-2



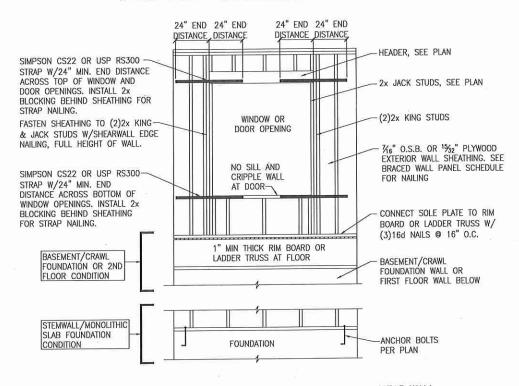


B METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION TWO BRACED WALL SEGMENTS

	BRACED WALL	PANEL AN	ID ENGINEERED SHEAR WALL SCHEDULE
PANEL TYPES	PANEL TYPE	MATERIAL	FASTENERS
WSP	INTERMITTENT WOOD STRUCTURAL PANEL	7/16" OSB	6D OR 8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. <u>ENGINEERED ALTERNATIVE</u> : 16 GAGE BY 1.75" LONG STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORT
GB(1)	INTERMITTENT GYPSUM BOARD (SHEATHING ONE FACE OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 7" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
GB(1)-4	INTERMITTENT GYPSUM BOARD (SHEATHING ONE FACE OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 4" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
GB(2)	INTERMITTENT GYPSUM BOARD (SHEATHING BOTH FACES OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE V DRYWALL SCREWS AT 7" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
CS-WSP	CONTINUOUS SHEATHED WOOD STRUCTURAL PANEL	7/16" OSB	6D OR 8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. <u>ENGINEERED ALTERNATIVE</u> : 16 GAGE BY 1.75" LONG STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPOR
CS-PF	CONTINUOUS SHEATHED PORTAL FRAME	7/16" OSB	NAILING PER DETAIL
PFH	PORTAL FRAME WITH HOLD DOWNS	7/16" OSB	NAILING PER DETAIL
CS-ESW(1)	ENGINEERED SHEAR WALL, TYPE 1	7/16" OSB	8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS
CS-ESW(2)	ENGINEERED SHEAR WALL, TYPE 2	7/16" OSB	8D COMMON NAILS AT 4" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS
CS-ESW(3)	ENGINEERED SHEAR WALL, TYPE 3	7/16" OSB	BD COMMON NAILS AT 3" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS

#### BRACED WALL PANEL NOTES:

- 1. ALL BRACED WALL PANELS, EXCEPT GB(1) & GB(2), SHALL HAVE 2x BLOCKING BETWEEN WALL STUDS AT ALL HORIZONTAL SHEET EDGES.
- 2. PROVIDE NAILING/BLOCKING ABOVE AND BELOW ALL BRACED WALL PANELS PER KSE BRACED WALL DETAILS.
- 3. SHEATH ALL EXTERIOR WALLS OF THE HOUSE WITH 1/16" O.S.B., OR 15/2" PLYWOOD, FASTENED PER IRC. AT EXTERIOR CORNERS, SHEATHING SHALL BE FASTENED PER KSE BRACED WALL DETAILS. AT INTERIOR WALL INTERSECTIONS, FASTEN STUDS & WALL BRACING PER KSE BRACED WALL DETAILS.
- 4. BRACED WALL PANELS AND ENGINEERED SHEAR WALLS ARE PROVIDED PER IRC. PANEL LENGTHS SHOWN ON PLANS ARE THE MINIMUM LENGTH REQUIRED.



WINDOW OR DOOR REINFORCEMENT IN ENGINEERED SHEAR WALL ONLY REQUIRED WHERE SPECIFED ON PLANS





aced Wall Notes & Deta

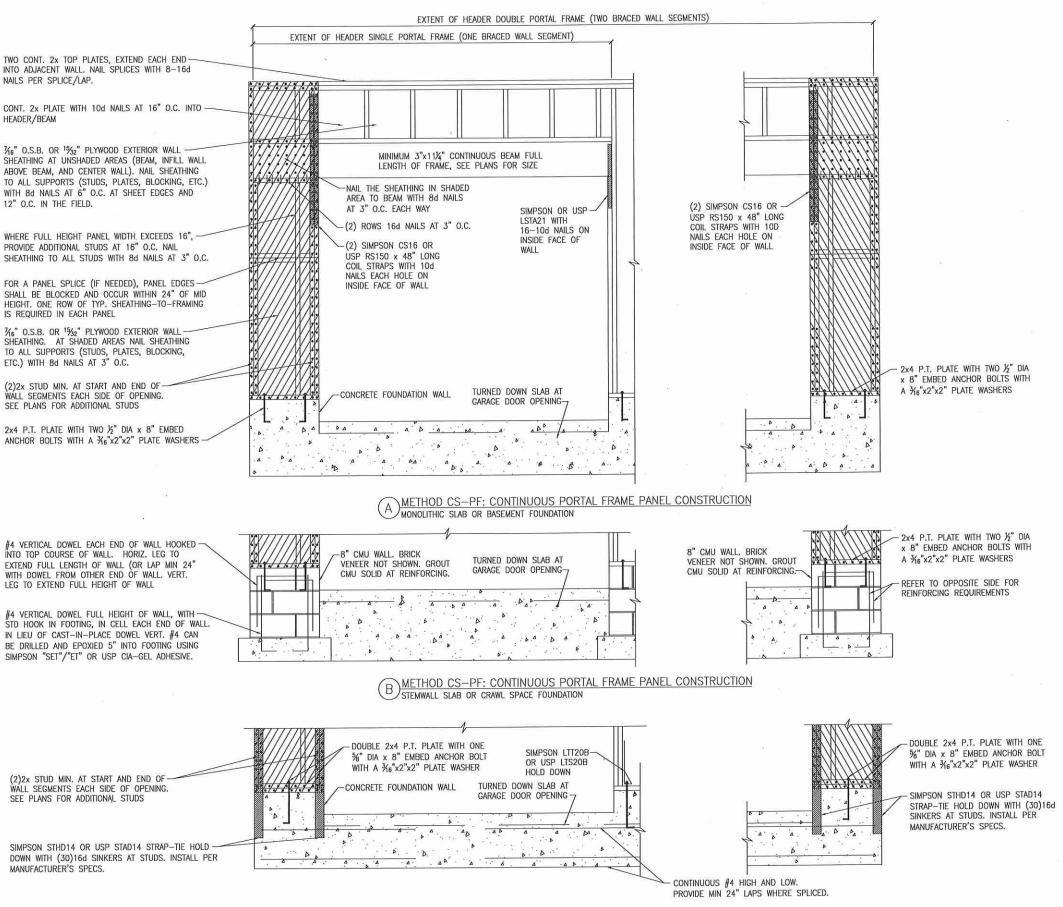
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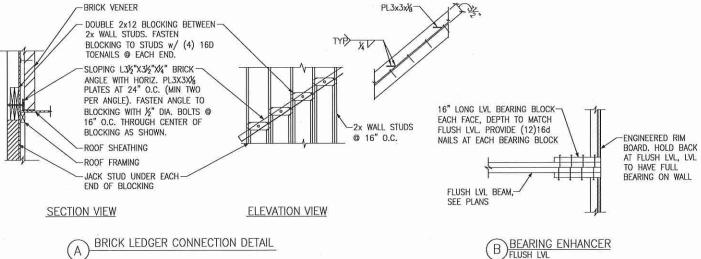
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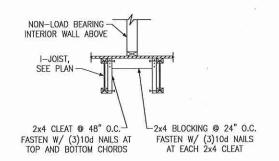
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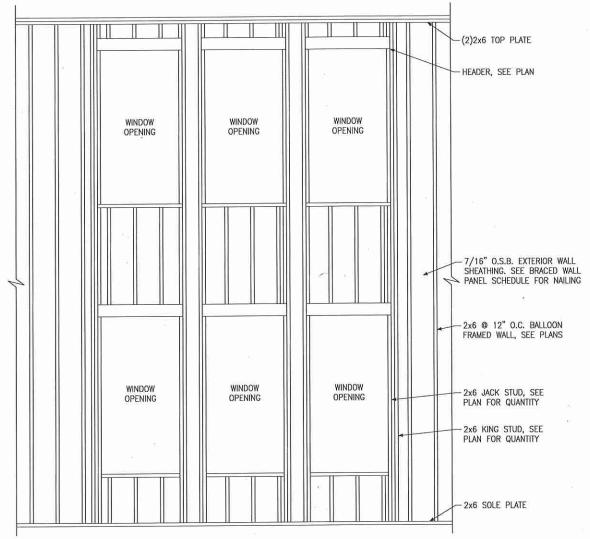
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C I-JOIST LADDER BLOCKING AS REQUIRED @ PARALLEL WALLS



DBALLOON FRAMED WALL DETAIL N.T.S.



Miscellaneous

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-WALL STUD OR GABLE TRUSS TOENAIL RAFTER TO LEDGER WITH (4) 12d NAILS -2x4 LEDGER. FASTEN TO WALL STUDS w/(2) ROWS SIMPSON SDS4x31/2" OR USP WS35 SCREWS @ 16" O.C. -2x4 RAFTER & CEILING JOIST. LAP AND FACE NAIL WITH (4) 12d NAILS MAXIMUM -2x4 LEDGER, FASTEN TO WALL OR GABLE TRUSS WITH (2) ROWS 12d NAILS @ 16" O.C.

C EYEBROW ROOF DETAIL
STRAIGHT ROOF

2x4 BLOCKING BETWEEN 8d NAILS AT 6" O.C. -TRUSSES WITH SIMPSON U24 OR USP JL24 EACH END--8d NAILS AT 4" O.C. 2x4 FRAMING AT 24" O.C. SLOPING L3½"x3½"x¼" BRICK CANTILEVERED OVER GABLE ANGLE WITH HORIZ PL3x3x16 END TRUSS BRICK VENEER-PLATES AT 24" O.C. (MIN TWO PER ANGLE. NAIL TO GIRDER 2x4 BLOCKING BTWN TRUSS WITH 16d NAILS AT 9" RAFTERS. -SIMPSON LTP4 OR USP O.C. THROUGH PRE-DRILLED 2x6 KICKER AT 6'-0" O.C., WITH-MPF4 EVERY OTHER -HOLES. 2x6 "T" SCAB. NAIL SCAB TO (5) 10d-BI OCK KICKER WITH 10d NAILS AT 6" PL3x3x16 O.C. KICKER MAY BE OMITTED WHEN HEIGHT OF GABLE END TRUSS IS 4'-0" OR LESS. TYP 7/6" OSB AT GABLE END-TRUSS, PER SHEAR WALL BELOW 2x WALL STUDS, EDGE NAILING PER SHEAR -(2) SIMPSON GBC OR - ROOF TRUSSES AT WALL SCHEDULE PER SHEAR SEE PLAN USP HC520 EACH KICKER 24" O.C. WALL ABOVE (6" O.C. AT ROOF GIRDER TRUSS TO NON-SHEAR WALLS) SIMPSON A35 OR USP MPA1 SUPPORT DEAD LOAD OF SPACED PER SHEAR WALL BRICK, LIMIT DEFLECTION %6" OSB WALL-SHEATHING BELOW ENTIRE GABLE END TO L/600 OR 0.3" MAX., SEE PLANS. (D)TRUSS DETAIL GABLE END WALL DETAIL

Detail Framing iscellaneous

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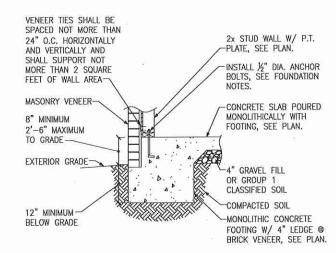
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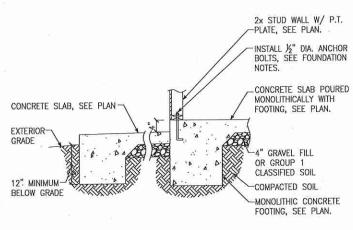
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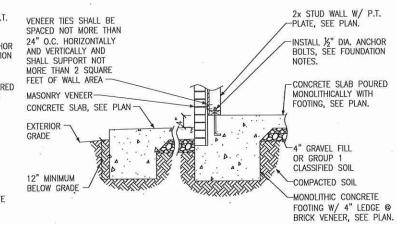




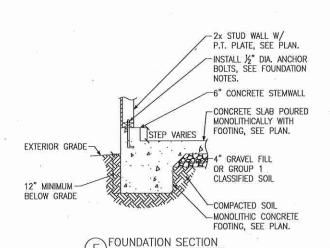
FOUNDATION SECTION B EXTERIOR WALL @ MASONRY



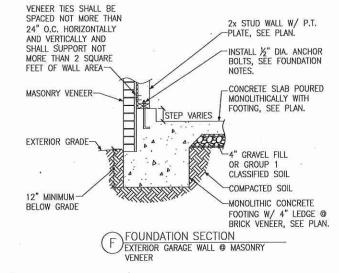
FOUNDATION SECTION EXTERIOR WALL AT PORCH

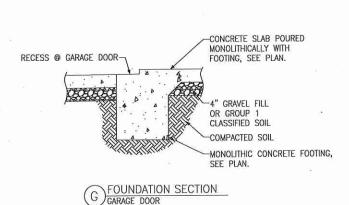


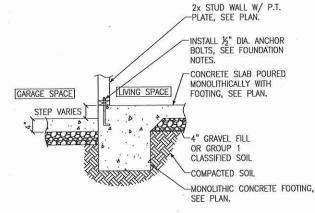
FOUNDATION SECTION EXTERIOR WALL AT PORCH W/ MASONRY



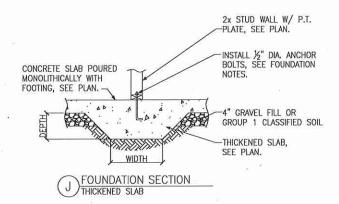
EXTERIOR GARAGE WALL

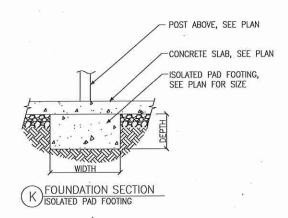






FOUNDATION SECTION INTERIOR GARAGE WALL





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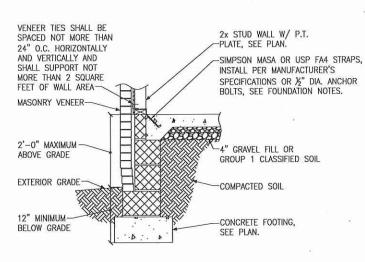
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Project #: 105-19000 Designed By: KRK

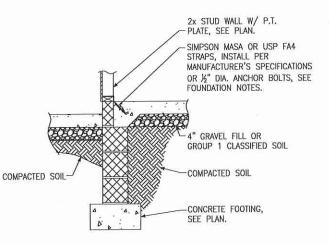
Checked By: ssue Date: 1/1/19

Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

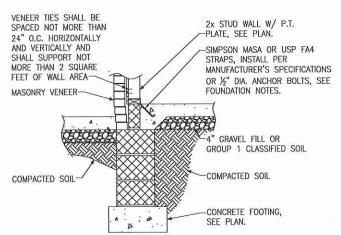




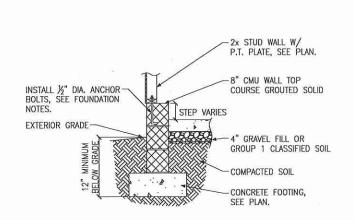
FOUNDATION SECTION EXTERIOR WALL @ MASONRY



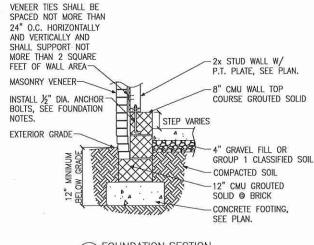
FOUNDATION SECTION EXTERIOR WALL AT PORCH



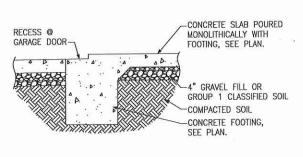
FOUNDATION SECTION EXTERIOR WALL AT PORCH W/ MASONRY VENEER



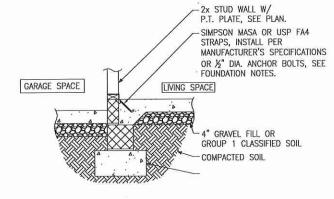
FOUNDATION SECTION E) FOUNDATION CELE



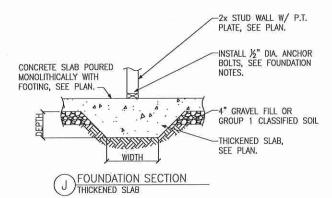
FOUNDATION SECTION EXTERIOR GARAGE WALL @ MASONRY

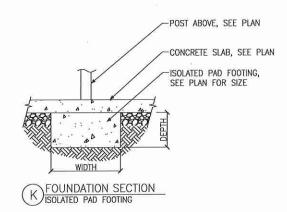


G FOUNDATION SECTION GARAGE DOOR



FOUNDATION SECTION
INTERIOR GARAGE WALL





Foundation ap S Wall

Det

Carolina 120 Project #: 105-19000 Designed By: KRK

Division

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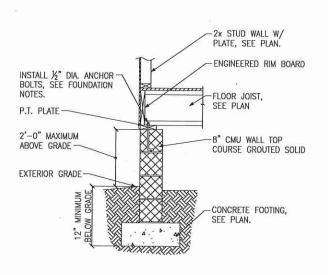
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Checked By: ssue Date: 1/1/19 Re-Issue:

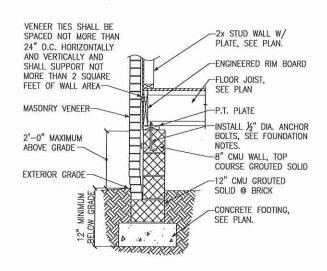
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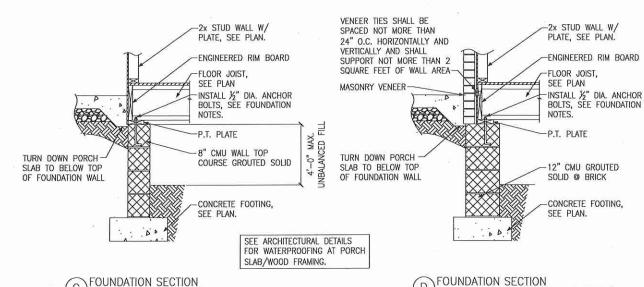
INGINEERING UITE 201, QUAKERTOWN, PA 18951 (215) 804-4449

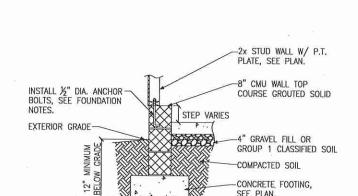


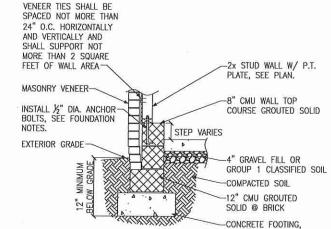
A FOUNDATION SECTION EXTERIOR WALL

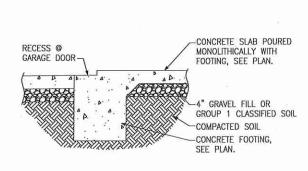


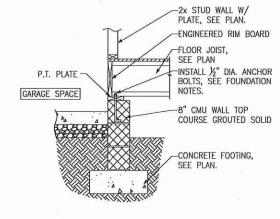
B FOUNDATION SECTION
EXTERIOR WALL @ MASONRY VENEER











EXTERIOR WALL AT PORCH W/ MASONRY VENEER

LIVING SPACE

FOUNDATION SECTION EXTERIOR GARAGE WALL

FOUNDATION SECTION EXTERIOR GARAGE WALL @ MASONRY VENEER

SEE PLAN.

G FOUNDATION SECTION
GARAGE DOOR

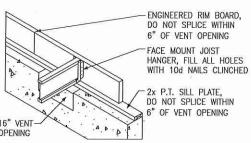
EXTERIOR WALL AT PORCH

H) HOUNDATION SEL FOUNDATION SECTION

			*
3	FLOOR JOIST,	SEE PLAN	
GIRDER PER——PLAN			-2x8 PT BEARING BLOCK, FULL LENGTH OF PIER
CMU PIER GROU SOLID, SEE SCHI FOR SIZE AND H	EDULE A		e
LIMITS			-CONCRETE FOOTING, SEE PLAN.
		A CERTIFICA	

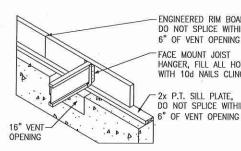
FOUNDATION SECTION

INTERIOR PIER



PIER HEIGHT								
UP TO 2'-8"								
UP TO 5'-4"								
UP TO 8'-0"	16" x	16"	30"	х	30"	x	12"	U.N.O.
PIERS SHALL MASONRY OR SOLID WITH C	CONC	RETE	OR	TO	PC			

DIED AND FOOTING COLIEDING



Detai Foundation Space

M.P.H. تار Division

Carolina 20 Project #: 105-19000 Designed By: KRK Checked By: Issue Date: 1/1/19

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JITE 201, QUAKERTOWN, PA 18951
(215) 804-4449

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Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

(K) CRAWL SPACE VENT DETAIL

Re-Issue: