

FXPRFSS HOM MODEL 'HAYDEN'

WOODGROVE LOT 190 271 RED CEDAR WAY **FUQUAY VARINA, NC 27526**

NO: DATE: REVISION:

PLAN CHANGES:					
DATE:	DESCRIPTION:	40	Series		
02.22.2l 03.10.2l 04.14.2l 04.15.2l 12.03.2l 01.26.22	NITIAL PLA RELECE CLEHT REVISION CLEHT REVISION CLEHT REVISION CLEHT REVISION CLEHT REVISION				
CON	ISULTANTS:				

GENERAL NOTES DESIGNER NORTH CAROLINA:

WALLEN APPROVAL OF THE DESIDENCE.

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE AND
ALL INCONSISTENCES SHALL BE BROUGHT TO THE ATTENTION OF THE DEVELOPER
AND THE DESIGNER BEFORE PROCEEDING NITH MORK.

ANY ERRORS OR OMISSIONS FOUND IN THESE DRAWINGS SHALL BE BROUGHT TO DEVELOPERS AND DESIGNERS ATTENTION IMMEDIATELY. 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

ALL TRUSS DRAININGS TO BE REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO ISSUANCE OF BUILDING PERMIT. ALL OR EQUAL SUBSTITUTIONS MUST BE SUBMITTED TO AND APPROVED BY CITY

ALL ANGLED PARTITIONS ARE 45 DEGREES IN ESS OTHERWISE NOTED PROVIDE FIREBLOCKING. (PER LOCAL CODES.)

ALL ELECTRICAL AND MECHANICAL EQUIPMENT AND METERS ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS, CONTRACTOR TO VERIFY

ELASTOPERIC SPEET MATERIPROCPING. RENISH AND NOTALL ALL MATERIPROCPING COMPLETE. A 40 MLL SELF-ADERNIS MEDIBERALED FOREIGNES MEDIBERALED SPEEDING AS ASPHALT INTERSEALT BOOKDED TO POLYTEPHOLES SHEETING, OR EGUAL. NOTALL PER MANEACTIRES AND TRACE ASSOCIATIONS PRINTED INSTALLATION INSTRUCTIONS. 6" MINIMAL MATERIAL PROMISSIONAL SPECIAL SPECIAL PROJECTION OF MINIMAL PROPERTY IN ALL ADJACKITI MALL SURFACES.

TO THE BEST OF THE DESIGNER'S KNOWLEDGE THESE DOCUMENTS ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE BUILDING AUTHORITIES HA JURISDICTION OVER THIS TYPE OF CONSTRUCTION AND OCCUPANCY. SHOP DRAWING REVIEW AND DISTRIBUTION AND WITH PRODUCT SUMITIALS, REQUESTED IN THE CONSTRUCTION DOCUMENTS, SHALL BE THE SOLE RESPONSIBILITY OF THE SCHERAL CONTRACTOR, INLESS DIRECTED OTHERWISE LINDER A SEPARATE ASKEDETOR

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS REPRESENTED ON THESE DOCUMENTS INCLUDING THE WORK AND MATERIALS PURPISHED BY SUBCONTRACTORS AND VENDORS.

THE BILLDE SHALL RINISH ANY AND ALL REPORTS RECEIVED FROM THE GEOTEMAN, A BHARTER FOILS REPORTS, ON THE SILDY OF THE PROPOSED SHE, TO THE DESIGNERS PORTURANEL BENEFIES AND GEREAK COMPACTOR IN THE VIEW THE GEOTEMAN, REPORTS TO HOT DOST, THE SOLS CONTINUS SHALL STRUCTURE. SHE SOLS CONTINUS SHALL STRUCTURE. SHE SOLS CONTINUS SHALL SHOULD BE SHALL SHE SOLS CONTINUES SHALL SHOULD BE SHALL SHE SOLS CONTINUES SHALL SHOULD BE SHALL SHOULD BE SHALL SHE THE SOLS CONTINUES OF EXPECTED THE CONTINUES.

HE CALLEDA.

ALL HORK PERFORMED BY THE GENERAL CONTRACTOR SHALL COMPLY AND
CONFORM MITH LOCAL, AND STATE BUILDING CODES, ORDINANCES AND
REGLATIONS, ALONS MITH ALL OTHER AUTHORITIES HAVING JURISDICTION. THE
GENERAL CONTRACTOR IS RESPONSIBLE TO BE AWARE OF THESE REGUIRDHENS
AND SOCKENING REGLATIONS.

PROVIDE AN APPROVED MASHER DRAIN PAN AT SECOND FLOOR ONLY THAT DRAINS TO EXTERIOR.

PROVIDE STAIR HANDRAILS AND GUARDRAILS PER LOCAL CODES.

BUILDER SET:

THE SCOPE OF THIS SET OF PLANS IS TO PROVIDE A TRAILDER'S SETT OF COMERCIATION DOCUMENTS AND GENERAL WOTES EXECUTIVE RETERRED TO AS TLANG'S, THE SET OF FLANS IS SETTLED IT TO STATUM AND BLUDIES HERSTHIN KNOWLER, ALL MAISTRIALS IN SECTION AND SETTLED THE PLANS CELEBRATE AND DESCRIPE OUT LOCATIONS, DEPENDING, THE OF THERMALS, AND DESERVAL PRICES OF RESPONSIBLY OF PARTICULAR PRODUCTS OR DIFFER VIOLENCE OF AN ADVISION OF THE PLANS PRODUCTS OR DIFFER VIOLENCE OF THE PRODUCTS OR DIFFER VIOLENCE OF THE PRODUCTS OR DIFFER VIOLENCE OF THE VIOLENCE OF THE PLANS PRODUCTS OR THE PLANS PRODUCTS OF TH

AND PERIODS OF CORDINATIONS PEEDED TO HIS PROJECT IN THE AND THE COP CORDINATIONS CONTINUED TO THE COP CORDINATION OF THE SECRET AND ADMITT THE BEST AND THE BEST AND THE SECRET AS ADMITT THE BEST AND THE SECRET AS ADMITT THE BEST ADMITT THE SECRET AS ADMITT AS ADMITT AS ADMITTS ADMITT AS ADMITTS ADMI

MODEL 'HAYDEN' SQUARE FOOTAGES 2nd FLOOR 1445 SF TOTAL LIVING 25II SF 422 SF 109 SF

AREA CALCULATIONS:

ROJECTNO: GMDI7049

Express

TITLE SHEET

January 22, 2021

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AVAILABLE WITH OPTIONAL 9'-I" FIRST FLOOR PLATE

NOTES AT OPT 9'-I" PLT:

- WDW HT SET AT 7'-6"
- INTERIOR SOFFITS AT 8'-0"
- EXTERIOR SOFFITS AT 8'-0"

NOTES:

- FOUND TO THE OWN YEAR FOR BOXIDADA, STET FROM THAT SHOULD BLADE WAY, YEAR FOR DOXIDADAL STET FROM THAT SHOULD BLADE WAY, YEAR FOR DOXIDADAL STEE FACILIA, STEE COMMINGO, BLADE FACILIA, STEE COMMINGO, BLADE FACILIA, STEE COMMINGO, BLADE FACILIA, STEE FACIL

THE HEAVEN COME, TABLE NIO.21.

INBLATION PER TABLE NIO.21.

EXTERIOR PALLS.

E-5 BATTS NINHM, VERFY

ELORG OVER GARAGE.

R-6 BATTS NINHM, VERFY

ATTIC REPORTS.

R-7 BATTS NINHM, VERFY

CRIAL SPACE PLOORING.

R-8 BATTS NINHM, VERFY

CRIAL SPACE PLOORING.

R-8 BATTS NINHM, VERFY

CRIAL SPACE PLOORING.

KEY NOTES:

- MOCKET

 [1] A POPERD SOME VENERY AS SELECTED BY DEVELOPER, HEIGHT AS NOTED.

 [2] MACKINY FILL BRICK AS SELECTED BY DEVELOPER, HEIGHT AS NOTED.

 [3] MACKINY FILL STORE AS SELECTED BY DEVELOPER, HEIGHT AS NOTED.

 [4] AS "SCHER CARSE.

 [5] ROMOCK CORREC.

- CORROSION RESISTANT ROOF TO WALL FLASHING. CODE COMPLIANT FLASHING PER NURC RIGGS 283
- STANDING SEAM METAL ROOF, INSTALL PER MANUFCATINER'S INSTITUTION INSTRUCT
 DECORATIVE MROUGHT IRON, SEE DETAILS.
- III) DECORATION WOUNDER DEVIL SEE DETAILS.
 SORBIG.

 (III) WITH, SHAME SEINNE PER DEVILLOPER WITH VAITH, CORRER TRIM PER DEVILLOPER, WITH SEEDEN DICATIONS.
 FIERE CEPTERT SHAME SIGNE PER DEVILLOPER WITH ALL CORRER TRIM BOARD.)

 (III) WITH, LAW SIGNER FEE DEVILLOPER WITH VAITH, CORRER TRIM PER DEVILLOPER.
 AND SECRETARY OF SIGNER PER DEVILLOPER WITH CORRER TRIM SEMAND.)

 FIERES CEPTER LAW SIGNER SEEDEN DEVILLOPER WITH CORRER TRIM SEMAND.

- H VINIL WAYY SIDING FER DEVELOPER WITH VINIL CORNER TRIM FER DEVELOPER.
 (AT SPECIFIED LOCATIONS:
 FIBER CEMENT WAYY SIDING FER DEVELOPER N/ IX4 CORNER TRIM BOARD.)
- 5) VINTL BOARD AND BATT SIDNS PER DEVELOPER MITH VINTL CORNER TRIM PER DEVELOPER.
 (AT 995CPIED LOCATIONS.
 FIERER CEMENT PAREL SIDNS WI US BATTS AT 12" O.C. PER DEVELOPER W UX CORNER TRIM BOARS.
- VINT. TRIH SIZE AS NOTED

 (AT SPECIFIC LOCATIONS.

 IX FIBER CEMENT TRIM OR EQUAL, UN.O. SIZE AS NOTED



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40' Series



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'HAYDEN' EXTERIOR ELEVATIONS '4EPF-K'

PRINT DATE:

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1K

ATTIC VENT CALCULATION FOR PLAN 'HAYDEN': 1:150 RATIO.

THE NET PREE VENTLATING AREA SHALL NOT BE LESS THAN USO OF HE AREA OF THE SPACE VENTLATED, PROVIDED WITH A PROVIDED PROVIDED OF THE REQUIRED VENTLATING AND A SPACING DEPOSIT OF THE REQUIRED OF THIS AND A SPACING DEPOSIT OF THE SPACE OF THE VENTLATING AND A LEAST SHE AROUS THE SHACE OF CARRICK VENTS WITH THE BUANCE OF THE REQUIRED VENTLATING DEPOSITION OF THE SPACE OF THE REQUIRED VENTLATING DEPOSITION OF THE SPACE OF THE REQUIRED VENTLATING DEPOSITION OF THE RESULT OF THE REQUIRED VENTLATING DEPOSITION OF THE RESULT OF T

EXCEPTIONS.

1. EXCLOSED ATTIC/RAFTER SPACES REQUIRING LESS THAN 1 SQ PT OF VENTILATION MAY BE VENTED WITH CONTINUOUS SOFFIT VENTILATION ONLY.

ENCLOSED ATTIC/RAFTER SPACES OVER UNCONDITIONED SPACE MAY BE VENTED WITH CONTINUOUS SOFFIT VENT ONLY

SPACE PAT DE VENIDA MINI CONTINUED SOFTH VENI ON CHEMPAL CONTRACTOR SHALL VERY THE NET FREE VENIDATION OF THE VENIT PRODUCT SELECTED BY OWNER VENITY HER HOMPACTURES OF HIGH AND LOW VENIT SHALL VENIT WENT OF SHALL BE MANUFACTURED. THE FEGRATED VENITLATION SHALL BE MANUFACTURED. THE FEGRATED VENITLATION SHALL BE MANUFACTURED. THE MINISTER OF SHALL BE MANUFACTURED. THE MINISTER OF SHALL WENT SHALL BE MANUFACTURED. THE BULDING STEVELLA.

BY THE BUILDING OFFICIAL.
ALL OVERLAY PRAYED ROOF AREAS SHALL HAVE
OPENINGS BETWEEN THE ADJACENT ATTICS IN THE ROOF
SHEATHING AS ALLOWED BY THE STROUGHAL ENGINEER.
TO ALLOW REASHER AND ATTIC VENTILATION.
BETWEEN HE THO OR ISOLATED ATTIC SPACES SHALL
BY VENTILA INDICATED ATTICS OF REGUIREPENINS. BE YENTED INDEPENDENTLY TO CBC REQUIREMENTS.

PER DEVELOPMENT AT ALL CANTILEURED FLOORS,
CANTILEURED ARCHITECTURAL POP-2015, AND ANY DOBLE
FRAMING POLICITORS THAT ARE SEPPRATED FROM THE
VENTING CALCULATIONS SHOWN ABOVE, PROVIDE A
CONTINUOUS 2" CORNOSION RESISTANT SOPHIT VENT AT
INDEPENDE OF FRAMED ELEMENT.

(PER SECTION R806.2) I SOMARE INCH YENT FOR EVERY ISO SOMARE INCHES OF CEILING 444 SQ. IN. = 1 SQ. FT. BLDG. CELING (EF) X 144 + BLDG (SQ. IN) BLDG. (SQ. IN) / ISO = SQ. IN. OF VENT REQUIRED ROOF AREA II.s | 1488 SF | 1488 SQ. FT. X | 144 s | 214272 | SQ. IN. | 214272 SQ. IN. / ISO = 1428.48 | SQ. IN. OF VENT REQID ROOF AREA 2:= 39 SF 39 SQ, FT. X 144 = 5616 SQ, IN. 5616 SQ, IN. / 150 = 37.44 SQ, IN. OF VENT REQID ROOF AREA 3:= 180 SF 180 SQ. FT. X 144 = 25920 SQ. IN. 25920 SQ. IN. / 150 = 172.80 SQ. IN. OF VENT REQID

NOTES:

- ALL ROOF DRAINAGE SHALL BE PIPED TO STREET OR APPROVED DRAINAGE FACILITY.

DASHED LINES INDICATE WALL BELOW. PITCHED ROOFS AS NOTED.

- TRISS MANEACITIRER SHALL SIENDET STRUCTURAL CALCS AND SHOP DEVANINGS FOR TRISS THE STRUCTURE CALCULATION OF AND BILLIONS DEPARTMENT FOR TRISS THAN SHALL BE CONSERO THAN SHAMMA MACANT OF ROOF PERETATIONS ALL ROOF EDETRATIONS SHALL OCCUR.

ATTIC VENT CALCULATION FOR PLAN 'HAYDEN': 1:300 RATIO.

AS AN ALTERNATE TO THE VISO RATIO LISTED ABOVE, THE NET PREE CROSS-VENTLATION AREA MAY BE REDUCED TO USCO WHEN A CLASS I OR II VAPOR RETARDER IS INSTALLE ON THE WARM - IN - MINTER SIDE OF THE CEILING.

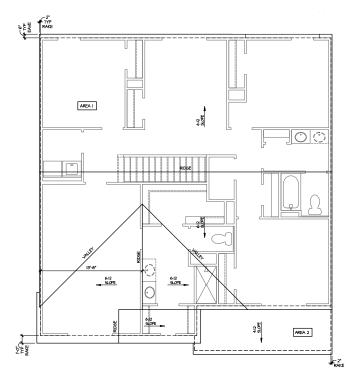
SE VENIED INCEPTIONS THE PROPERTY TO CAS PROBINEPENTS.

PER DEVELOPMENT AT ALL CANTILE VENEED FLOORS,
CANTILEVENED ARCHITECTURAL POP-OUTS, AND ANY DOUBLE
FRAMING PROJECTIONS THAT ANY EXPANTED PROVIDE A
CONTINUOUS CLAIMONS SHOWN ABOVE, PROVIDE A
CONTINUOUS 2" CORROSION RESISTANT SOFFIT VENT AT
INVESTIGATOR FRAMED ELEMENT.



BUILDER TO PROVIDE (2) LAYERS OF UNDERLAYMENT AT ANY ROOF W/ A SLOPE FROM 2:12 TO LESS THAN 4:12

AT SINGLE FAMILY DETACHED PLANS: PREFINISHED VENTED SOFFIT AT EAVE PER MANUFACTURER. (VERIFY FIRE SEPARATION DISTANCE FOR SOFFIT PROTECTION PER NORC SECTION R302.1.1 AND TABLE R302.1)



Roof Plan 'K' SCALE: I/A*=I'-O* AT 22*X34* LAYOUT LI/A*=I'-O* AT II*XIT* LAYOUT NO: DATE: REVISION: A 012622

40' Series



PROJECTNO: GMD17049

SHEET TILE: 'HAYDEN' **ROOF PLAN** '4EPF-K'

PRINT DATE: January 22, 2021

1.1 K

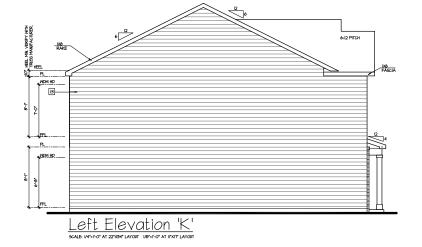


SCALE: 174"=1"-0" AT 22"X34" LAYOUT 1/8"=1"-0" AT 11"X17" LAYOUT

AVAILABLE WITH OPTIONAL 9'-1" FIRST FLOOR PLATE

NOTES AT OPT 9'-I" PLT:

- WDW HT SET AT 7'-6"
- INTERIOR SOFFITS AT 8'-O"
- EXTERIOR SOFFITS AT 8'-0"



6-12 PITCH 6:12 PITCH ____IX6 FASCIA MDM HD -[13] Right Elevation 'K'





40' Series

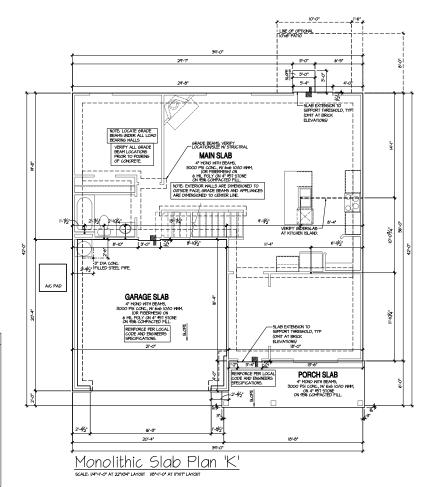


PROJECTNO: GMDI7049

'HAYDEN' EXTERIOR ELEVATIONS '4EPF-K'

PRINT DATE: January 22, 2021

2 K





- IRRIGATION SYSTEM SHALL BE DESIGNED TO PREVENT THE SATURATION OF SOIL ADJACENT TO BUILDING.
 THIS PERMETER DIMENSION FLAN IS FOR DIMENSIONAL INFORMATION OULY.
 SLOPE ALL STOOPS AND HARDSCAPE MATERIAL AWAY FROM BUILDING TYPICAL.

- SLOPE GARAGE FLOOR VIB* PER FOOT TO GARAGE DOOR OPENING. VERIFY CURB CUT BLOCKOUT WITH GARAGE DOOR MANUFACTURER. REFER TO CIVIL DRAWINGS FOR FINISH SURFACE ELEVATIONS.

- FINISH GRADE SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING, REFER TO SOILS REPORT FOR ANY SPECIFIC REQUIREMENTS.
 REFER TO STRUCKAL DRAININGS FOR INCLIDENCE, FOOTING DETAILS, CARB THICKNESS, AND INFORMATION NOT SHOWN ON THIS PLAN.
- PLIMBING FIXTURES, VENT LOCATIONS, ETC. ARE APPROXIMATE, CONTRACTOR TO VERIFY COUNT AND LOCATION.
- VERIFY THE SUPPLY FOR SEPARATE CONDUITS TO ANY ISLAND FOR 6AS, WATER OR ELECTRIC.
- VERIFY ALL DOOR THRESHOLD HEIGHTS TO HARD SURFACES. 8 I/4" MAX AT INSHING DOORS. (PER NORG SECTION R3II.3.).)
- TYP STOOP AT INSMING/SLIDER DOORS: 36" DEEP BY THE WIDTH OF THE DOOR SERVED, MINIMUM, (PER NARA SECTION R31(3) PROVIDE A SLIP-RESISTANT FINISH.
- FOR THE USE OF EXPOSED GAS WATER HEATERS IN THE GARAGE, PROTECT THE WATER HEATER WITH 3" DIA CONCRETE FILLED STEEL PIPE EMBEDDED INTO CONCRETE FOOTING.
- 9° DIA COMERTE FILLED STELL PRE PREDICAD INIC CAMPACIE I CONTINUADO.

 SOCIA TERLAMBIO.

 BORACASE TERMITE DE APRILED TO FRANSO FER PRODUCT S'ESCIPLATION.

 BORACASE TERMITE DE APRILED TO TO FRANSO FER PRODUCT S'ESCIPLATION.

 RESONOTE CARBOACT, REMINISHIT FOR PROTUCTION FROM TERMITE INMESTATION.

 1000 CONTINUATION.

 1000 CONTINUTINE COMPERTE DE MECRICA DE LESS TURNI CORE RESURED

 SEPRANCINAT D'ACADE SHALL ER TREMESER EMELTED OR FOARDATION GRADE

 REDWOOD, SET ALL EXTEROR MALL SILLS IN MISSIT.

January 22, 2021 3 MS K

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PROJECTNO: GMD17049

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PLAN '4EPF-K'

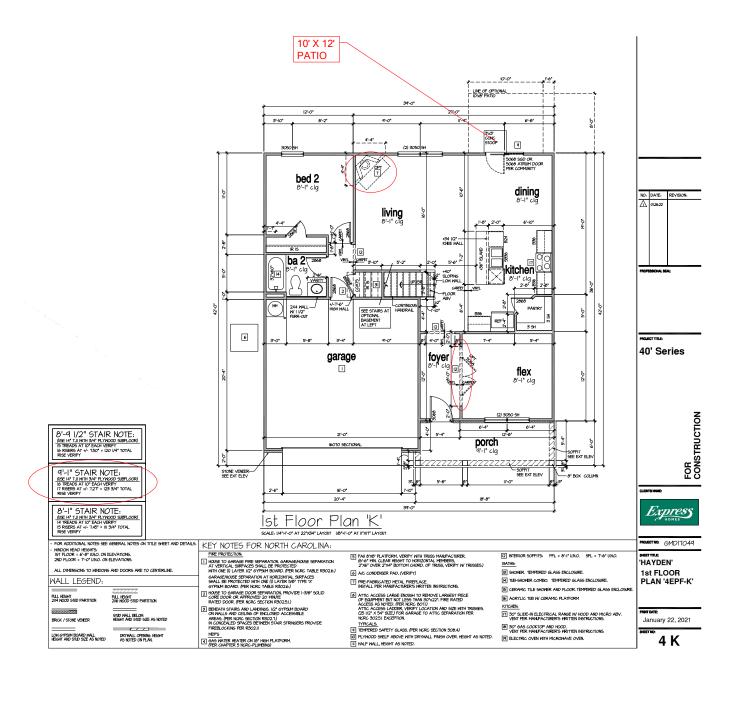
SHEET TILE: 'HAYDEN'

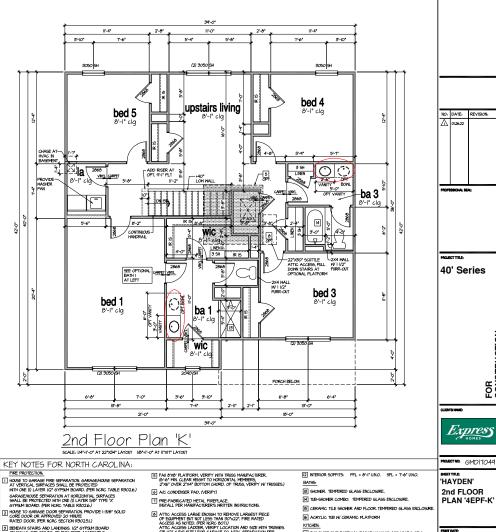
SLAB

PRINT DATE:

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40' Series





8'-I" STAIR NOTE:

9'-I" STAIR NOTE:

FOR ADDITIONAL NOTES SEE GENERAL NOTES ON TITLE SHEET AND DETAILS. MINDOW HEAD HEIGHTS: IST FLOOR = 6'-6" UN.O. ON ELEVATIONS. 2ND FLOOR = T'-0" UN.O. ON ELEVATIONS. ALL DIMENSIONS TO WINDOWS AND DOORS ARE TO CENTERLINE.

FULL HEIGHT 2X6 WOOD STUD PARTITION

WALL LEGEND: PULL HEIGHT 2X4 MOOD STUD PARTITION

STUD WALL BELOW HEIGHT AND STUD SUZE AS NOTED BRICK / STONE VENEER

LOW 6YP9IM BOARD WALL HEIGHT AND STUD SIZE AS NOTED DRYMALL OPENING, HEIGHT AS NOTED ON PLAN.

3 BENEATH STAIRS AND LANDINGS, I/2" GYPSUM BOARD ON WALLS AND CELING OF ENCLOSED ACCESSIBLE AREAS, FER INCAS SECTION ROOZ.1) IN CONCEALED SPACES BETWEEN STAIR STRINGERS PROVIDE FIREBLOCKING FER REGOLD

MEPS

A GAG MATER HEATER ON IB' HIGH PLATFORM.
(PER CHAPTER 5 NCRC-PLIMBING)

IN ATTIC ACCES LADGE BUSINET TO REMOVE LADGEST PIECE OF EQUIPMENT BUT LESS THAN BOX22". FIRE RATED ACCESS AS MOTED, IPEN ACK SO 21).

ATTIC ACCESS LADGER, VERIET LOCATION AND SIZE WITH TRIC EXCESS LADGER, VERIET LOCATION AND SIZE WITH TRIC EXCESS LADGER, VERIET LOCATION AND SIZE WITH TRIC EXCESS LADGER, VERIET LOCATION SEPARATION PER NATIO 302.51 EXCEPTION.

PLYWOOD SHELF ABOVE WITH DRYWALL FINISH OVER, HEIGHT AS NOTED. HALF WALL, HEIGHT AS NOTED.

T 30" SLIDE-IN ELECTRICAL RANGE W HOOD AND MICRO ABV. VENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS. (B) 30° 6AS COOKTOP AND HOOD.

VENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

IF ELECTRIC OVEN WITH MICROWAVE OVEN.

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40' Series



PROJECTNO: GMDITO49 'HAYDEN' 2nd FLOOR

January 22, 2021

5 K

9'-I" STAIR NOTE: Y - I STAIR NOTE: (USE 14" TJI WITH 3/4" PLYMOOD SUBFLOOR) 16 TREADS AT 10" EACH VERIFY 17 RISERS AT +/- 1.27" = 123 3/4" TOTAL RISE VERIFY 8'-1" STAIR NOTE: (ISE I4" T.JI WITH 314" PLYMOOD SUPFLOOR) I4 TREADS AT IO" EACH VERIEY IS RISERS 4" 4" -1" A15" = III 314" TOTAL RISE VERIEY

NOTES:

- NOT I EST.

 SEREN TO FLOOR PLAN NOTES FOR TYPICAL FIRE PROTECTION NOTES AND LOCATIONS.

 HERE BUDING SECTIONS MAY VARY AT ALTERNAY ELEVATION STILES AND AT PLAN OFFICIAL CONTINUES, RESERVED IN MAY HOLD REVAIL AND ALTERNATE HOLD REPAIR AND AT TO PLAN OFFICIAL CONTINUES.

 DECLINES, THE SECTION SECTION OF THE PLAN OFFICIAL CONTINUES.

 PROVINGES, TAKES DEVANINGS, STRUCTURAL DETAILS AND CALCULATIONS OFF OTHER FOR ALL STRUCTURAL INFO.

 ROCFIED, FITCHES PRINCE BOOK, BEETS TO ROOF PLAN FOR STIPICALS.

 NOT LOOKS FLOOR SECHNISE OFFI FLOOR LOFT.

 SETTER TO STRUCTURAL AND PROSE SHANNESS OF OTHERS.

 NOT LOCAL COOKS.

 NOT LOCAL COOK

EXTEROR PAUL 2 206 4 . G. AC B ANTS HINNAM VEREY CELLO WITH ATTIC ADDIC COPPRESSOR DIAL ATTICK.

CELLOS HITH ATTIC ADDIC COPPRESSOR DIGLATION (HEELS IN TRISSES).

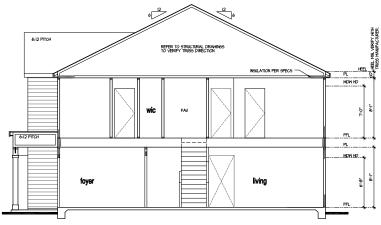
FLORE OUTS CANAGE.

AND ATTIS HINNAM VEREY CANAGE.

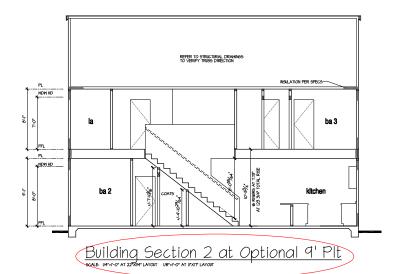
AND ATTIS HINNAM VEREY CANAGE AND ATTIS HINNAM VEREY CANAGE AND ATTIS HINNAM VEREY CANAGE SHAPE SHA

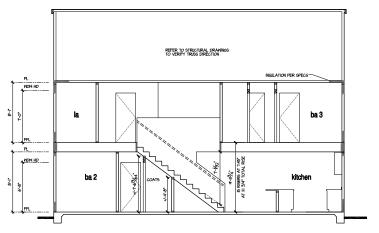
MINDOW GLAZING "U" FACTOR: 0.35





Building Section Lat Monolithic Slab





Building Section 2 at Monolithic Slab

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40' Series

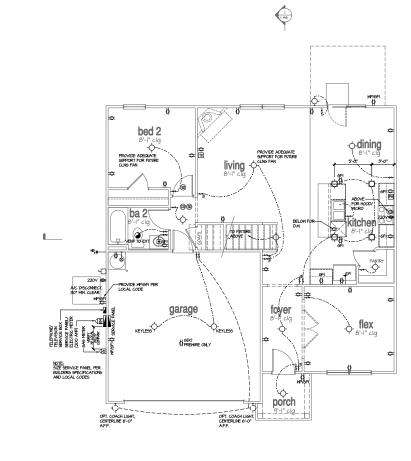


PROJECT NO: GMD17049

SHEET TITLE: BUILDING SECTIONS

PRINT DATE: January 22, 2021

1AS





STANDARD ELECTRICAL BOX HEIGHTS SWITCH AND RECEPTACLE BOXES OVER KITCHEN CABINETS SWITCH AND RECEPTACLE BOXES OVER BATH CABINETS

NO	TES:	LEG	END:						
- PI	ROVIDE GROUNDING ELECTRICAL ROD PER LOCAL CODES. ROVIDE AND INSTALL RAC FAULT CIRCUIT-INTERRIPTERS (AFCI) AS REQUIRED BY NATIONAL ELECTRICAL. DOE NEC! AND RETURE THE SQUIRED HISTO FAUL GOVERNING CODES.	ø	DUPLEX OUTLET	φ	FLUSH-MOUNT LED CEILING FIXTURE	24	CHIMES		
- A	LL EXHAUST FANS SHALL HAVE BACKDRAFT DAMPERS.	фир/ел	MEATHERPROOF OF DUPLEX OUTLET		HANSING FIXTURE	9	PUSHBUTTON SMITCH	^ ^	
- B	NVLIGHTS IN MET/DAMP LOCATIONS SHALL BE LABLED "SUITABLE FOR MET OR DAMP LOCATIONS." ECTRICAL SYSTEMS ARE SHOWN FOR INTENT ONLY. THESE SYSTEMS SHALL BE ENGINEERED BY OTHERS, THE	∯ e⊓	GROUND-FAULT CIRCUIT-INTERRUPTER DUPLEX OUTLET	\$	FLUSH-MOUNT LED CEILING FIXTURE (PROVIDE CEILING FAN SUPPORT)	9	NOV SMOKE DETECTOR NV BATTERY BACKUP	\times	CEILING FAN (PROVIDE ADEQUATE SUPPORT)
	ONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND PLACEMENT. ROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AND CO2 DETECTORS AS REQUIRED BY	#	HALF-SMITCHED DUPLEX OVILET	CHP.	2-LIGHT VANITY FIXTURE	9	GO2 DETECTOR	• •	
	ATIONAL FIRE PROTECTION ASSOCIATION (NPPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES. ROVIDE AND INSTALL GROUND FAULT CIRCUIT-INTERRUPTERS (GFI) AS REQUIRED BY NATIONAL ELECTRICAL.	₽ 220∨	220 VOLT OUTLET	Ψ.		Ð	THERMOSTAT	⊗	GAS SUPPLY WITH VALVE
0	ODE (NEC) AND MEETING THE REGUIREMENTS OF ALL GOVERNING CODES. ECTRICAL CONTRACTOR TO PROVIDE REGUIRED DIRECT HOOK-UPS/CUTOFFS.	0	REINFORCED JUNCTION BOX	-39	S-LIGHT VANTY FIXTURE	M	TELEPHONE	— ₽	HOSE BIBB
- H	/AC CONTRACTOR TO VERIFY THERMOSTAT LOCATIONS.	\$	NALL SHITCH	-49	4-LIGHT VANITY FIXTURE	₽	TELEVISION ELECTRIC METER	-+ _{čN}	V4" WATER STUB OUT
a D	LL ELECTRICAL. AND MECHANICAL EQUIPMENT (FURNACES, A/C UNITS, ELECTRICAL PANELS, SANITARY SUMP PITS, RAIN TILE SUMP, AND MATER HEATERS) ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS.	\$3	THREE-MAY SMITCH	♦	NALL HOURT FIXTURE	_	ELECTRIC PANEL	u	
- - M	ROVIDE POWER, LIGHT AND SMITCH AS REGUIRED FOR ATTIC FURNACE PER CODE AND MANUFACTURER'S RITTEN INSTRUCTIONS.	\$4	FOUR-MAY SMITCH	•	EXHAUST FAN (VENT TO EXTERIOR)	-	DISCONDECT SHITCH	-9	HALL SCONCE

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40' Series

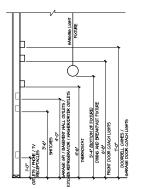


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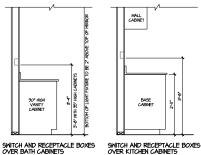
HAYDEN'
1st FLOOR
UTILITY PLAN

PRINT DATE:

January 22, 2021



STANDARD ELECTRICAL BOX HEIGHTS



NOTES: LEGEND: - PROVIDE GROUNDING ELECTRICAL ROD PER LOCAL CODES. - PROVICE AGONOMIS ELECTRICAL ROD PER CALL COZES.

PROVICE AND NETULA ARC PALI COMPILITIES PRIFTIES (AFCI) AS REQUIRED BY NATIONAL ELECTRICAL COZE REC) AND NETULS OF REQUIRED HITS OF ALL SO/DERNING COZES.

- PANLIGHTS IN PETIDAMP LOCATIONS SHALL BE LANLED "SUTABLE FOR WET OR DAMP LOCATIONS." () DUPLEX OUTLET OMPAGEL MEATHERPROOF OF DUPLEX OUTLET 6FI GROUND-FAULT CIRCUIT-INTERRUPTER
DUPLEX OUTLET ELECTRICAL SYSTEMS ARE SHOWN FOR INTENT ONLY, THESE SYSTEMS SHALL BE ENGINEERED BY OTHERS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND PLACEMENT. CONTRACTOR SHALL BE RESCRIBELE FOR PROFER ROYAL ROYAL AND PLAZARDEN.

PROVIDE AND INSELL LOCALLY CORTIFIED SHACE DESCRIBED AND COZ DETECTIONS AS REQUIRED BY MATCHAY. FIRE PROPERTIES AND SECCIONING FROM AND HETHING THE RECORDENING CODE.

PROVIDE AND DESCRIBEL CORROLL PROTECTION STATES THE PROVIDE AND EMPORED BY THROW, BE ALSO SHOWN THROW.

LELCIFICAL CONTRACTOR TO PROVIDE REGISTERO THROW, BE ASSESSED BY THROW, BE ALSO SHOWN THROW.

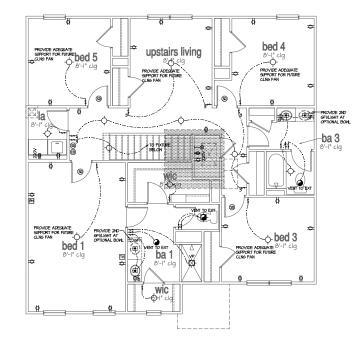
LELCIFICAL CONTRACTOR TO PROVIDE REGISTERO DIRECT HOXIC-PROJUTOFS.

**WAS CONTRACTOR OF VISINT THRESPORT ALCOANDON.

- ALL ELECTRICAL AND PRESENANCE, EQUIPMENT FRANCES, AND MITS, ELECTRICAL PROBES, SANITARY SHAP IN ARMADITY AND PROSPERATION OF SUBSECTION OF SHAPE AND AND THE PROPERATION.

- ALL ELECTRICAL AND PRESENANCE, EQUIPMENT FRANCES, AND MITS, ELECTRICAL PROBES, SANITARY SHAP IN ARMADITY AND THE PROBESSED AS BLASET OT REQUIRED AND THE PROPERATION.

- PROVIDE POWER, LIGHT AND SHITCH AS REQUIRED FOR ATTIC FRANCE FIRE CODE AND MANIFACTURERS. HALF-SMITCHED DUPLEX OUTLET \$220V 220 VOLT OUTLET REINFORCED JUNCTION BOX WALL SHITCH FOUR-WAY SMITCH



2nd Floor Plan 'A' 5cale, 1/4" 11-0" at 12/2/34" layout 1/8" 11-0" at 12/2/34" layout

φ	FLUSH-MOUNT LED CEILING FIXTURE	94	CHIMES		
ф	HANSING FIXTURE	9	PUSHBUTTON SMITCH		
φ	FLISH-MOUNT LED CEILING FIXTURE (PROVIDE CEILING FAN SUPPORT)	99	I/OV SMOKE DETECTOR IV BATTERY BACKUP		CEILING FAN (PROVIDE ADEQUATE SUPPORT)
φ	2-LIGHT VANITY FIXTURE	9	GO2 DETECTOR	-	
Ψ	2-LIGHT VANITY FIXTURE	Ø	THERMOSTAT	1 ⊷⊗	GAS SUPPLY WITH VALVE
∌	3-LIGHT VANITY FIXTURE	M	TELEPHONE	-+ _{ie}	HOSE BIBB
3	4-LIGHT VANITY FIXTURE	TM	TELEVISION		
5	NALL HOURT FIXTURE	a	ELECTRIC METER	→ cn	1/4" WATER STUB OUT
Υ	PART LEWIS LIVING	_	ELECTRIC PANEL	· ·	
a	EXHAUST FAN (VENT TO EXTERIOR)	-	DISCONDICT SHITCH	1 🛪	HALL SCONCE

NO: DATE: REVISION:

40' Series



PROJECTNO: GMD17049

SHEET TITLE:
'HAYDEN' 2nd FLOOR UTILITY PLAN

PRINT DATE:

January 22, 2021

8

Construction Type: Commerce | Residential |

Applicable Building Codes:

2019 North Carolina Residential Building Code with All Local Amendments

ASCE 7-10: Minimum Design Loads for Buildings and Other Structures

Design Loads: L Roof Live Loads II. Conventional 2x _____

12. Truss _____

12.1 Attic Truss ____

22. Truss
3. Snow
3.1 Importance Factor
4. Floor Live Loads
4.1 Tig. Duelling
42. Sleeping Areas
43. Docks
44. Passenger Garage
5. Floor Dead Loads
5.1 Conventional 2x _ 10 PSF _ 15 PSF _ 15 PSF _ 150 MPH 52. I-Joiet 53. Floor Truss .

6.32.Vy •
1. Component and Cladding (in PSF)

PEAN ROOF UP TO 30' 30'1'-35' 351'-40' 40'1'-45' ZONE | 16.1,-18.0 | 17.6,-18.9 | 183,-19.1 | 18.8,-2.02 ZONE 2 16-1,-21Ø 17.6,-221 183,-229 188,-236 ZONE 3 16-1,-21Ø 17.6,-221 183,-229 188,-236 ZONE 4 182,-19.0 192,-20.0 19.9,-20.8 20.4,-21.3 ZONE 5 182,-24.0 192,-25.2 19.9,-26.2 20.4,-26.9

Solemic ...

81. Site Class ...

82. Design Catagory ...

83. leportance Factor ...

84. Setento lite Group ...

85. Spectral Response Acceleration ...

85. Sen : %g ...

85.5 Sen : %g ...

86.0 Selemic Base Sheet ...

86.0 Selemic Base Sheet ...

SELVX: tural Sustem (check one)

81. Basic Structural System (check cree)
| Bearing IIII|
| Dublichy Pleane |
| Basic Acceptance |
| Dublichy Pleane |
| Basic Structure |
| Basic Structure |
| Basic Structure |
| Dublichy Pleane |
| Dublic



HAYDEN LH

PROJECT ADDRESS:

DR Horton, Inc. 8001 Arroundge Blvd. Cherlotte, NC 28213

DESIGNER. GMD Design Group 1892 Fountain Brook Circle Suite C Cary, NC 21511

These drawings are to be coordinated with the architectural, sechanical, planting, electrical, and child drawings. This coordination is not the responsibility of the setuctural engineering of record (SER). Orbidad any discrepancies become apparent, the contractor shall notify SEPHT Engineering, Laboratory 4 Teating, PEC before construction begins.

PLAN ABBREVIATIONS

	ANCHOR BOLT	PT	PRESSURE TREATED
4	ABOVE FINISHED FLOOR	RS	ROOF SUFFORT
а	CELING JOIGT	5C	STUD COLUMN
alr	CLE4R	SJ.	SINGLE JOIST
Ŋ	DOUBLE JOIST	SFF	SPRUCE PINE FIR
DSP	DOUBLE STUD POCKET	56T	SIMPSON STRONG-TE
EE	EACH END	5YP	SOUTHERN YELLOW PINE
EW	EACH WAY	TJ	TRIPLE JOIST
NTS	NOT TO SCALE	TSP	TRIPLE STUD POCKET
œ	ON CENTER	TYP	TYPICAL
PSF	POUNDS PER SQUARE FOOT	UNO	UNLESS NOTED OTHERWISE
PSI	POUNDS PER SQUARE INCH	W.F	WELDED WIRE FABRIC

Roof true and floor joins layous, and their corresponding loading details, eare not provided to SIPHT Engineering Laboratory 4 Teating F.C. (IRPHT) forth to the histolidesign Terevioles use and just discretions are a season based on the Monaston provided by <u>IRM teres</u>, to Subsequest plan evideon based on nor firm and floor joins layout self to ended in the revision. Based once on the season provided through the checken the revision based once on the season provided through the checken the discrepancies became appears, the contractor self noting GPTHT flasholdering the contractor of the contractor self-individual contractors.

Sheet No.	Description
CSI	Cover Sheet, Specifications, Revisions
6LØn	Monolithic Slab Foundation
5LØ6	Sten Wall Foundation
9LØc	Craul Space Foundation
51.0b	Basement Foundation
52.0	Basement Framing Plan
53.0	First Floor Framing Plan
54.0	Second Floor Framing Plan
55.0	Roof Framing Plan
86.0	Basement Bracing Plan
51,0	First Floor Bracing Plan
58.0	Second Floor Bracing Plan

A/321 19711 updated service name

Added Stem Usil Crasspace, and Basement
Foundations

2 6-1421 19711 Added CX-15 option and table for framing

REVISION LIST:

Revision Date

3 12321

1 4,921 1Ø111

Project No.

Description	
er Sheet, Specifications, Revisions	
Monolithic Slab Foundation	-
Sten Wall Foundation	-
Craul Space Foundation	-
Basement Foundation	-
Basement Framing Plan	-
First Floor Framing Plan	
Second Floor Franing Plan	1
Roof Framing Plan	

Description

sted elevation names

DR HORTON PROJECT SIGN-OFF: Manager Signature Cognition Operations Syste

sümmit



CENTAL STRUTINAL NOTES.

The design professional schoes said appears on these dreating that the design professional schoes and appears on these dreating that the second (ERV) for the project. The SER bears the responsibility of the printing structural elements and the participance of the situation to the construction documents should be considered to the construction of ERVTH Signal province, alter, or delete any structural expects of these construction documents should be considered that the second of ERVTH Signal proposes of these construction documents the SER and SIPVIT while the construction design in such participants are sufficiently as the second property in school during construction shall provide all inceptual temporary in school during construction and sufficient the structure.

In a substitute the structure, the completed done the direction of a construction failure to conferior to the construction failure to conferior to the construction designs, will be confered under the direction of a licensed professional engineer. These shop changes shall be admitted to district for confered before any construction begins. The shop changes will be reviewed for overall compliance as it is shop changes for diseases for the confered confered before any construction begins. The shop changes of the second confered to the responsibility of the SER of SERTHT.

Verification of assumed field conditions is not the responsibility of the SER the confered or should be side of the confered of the second confered to of the second confered to the confered confered to the second confered to the second confered to the confered to the second con

- is not, the responsacing or the secondarity verification of assemble field conditions is not the responsibility verification of assemble field conditions in our time from a course, and report any discrepancies to Staffer in secondaries of the secondaries of th

FORDATIONS:

In the structural engineer has not performed a subsurface twestigation. Verification of this assumed value is the responsibility of the owner or the contractor. Should any adverse soil condition be encountered the SER seat be considered before proceeding.

- The bottom of all footings shall extend below the frost line for the region is which the structure is to be constructed. However, the bottom of all footings shall be a minimum of \$2^*\$ below grade. 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%
- The resulting coil shall be compacted to a minima of 1996 maximum dry density. Excursions of Footings shall be lined temporarily with a 6 mil polysitylane restores if placement of concrete close not occur within 24 hours of excursion. No concrete shall be placed against any subgrade containing uster, ice, frost, or loose natural.

STRUCTURAL STIESL:

Structural steel shall be fabricated and exected in accordance with the American institute of Steel Construction "Code of Standard Practices for Steel Buildings and Bridges" and the name of Steel Construction "Load Resistance Sector Design" latest editions. Structural steel shall receive one coat of shop applied

- rust-inhibitive paint.

 All steel shall have a minimum yield stress (F_g) of 36 kal unless
- All steel early and a minman year areas try or to be lot unless otherwise noted.

 Uselding shall conform to the latest edition of the American

 Uselding Society's Structural libelding Code AUS DIJ. Electrode
 for shop and field uselding shall be class EMDXX. All uselding

 shall be performed by a certified uselder per the above

- CONCRETE.

 Concrete shall have a normal useight aggregate and a minimum compressive strength (FL) at 20 days of 36000 pct, unless otherwise rocked on the plan.

 otherwise rocked on the plan.

 otherwise rocked on the plan.

 accordinate such the taleast editions of ACS Set Miching Code
 Requirements for Referenced Concrete and ACL 501.

 Repelliments for Structural Concrete for Studieting.

 A we extended concrete must be used for all structural elements
 environment accounts (in promose) shall be suffern. The Lo 4% of
 target values de Foliage.
- target values as follows: 31. Footings: 5% 32. Exterior Slabs: 5%
- No admixtures shall be added to any structural concrete withour interpermission of the SER.

- Concrete slabs-on-grade shall be constructed in accordance with ACI 302/R-96: "Guide for Concrete Slab and Slab
- sin ALI SELECTORY TO CONTRETE SIDE and SIDE IN ALI SELECTORY THE CONTRETE SIDE and ALI SELECTORY THE CONTRETE SIDE OF ALI SELECTORY OF ALI

CONCRETE REINFORCEMENT:

ACCRETE REPROPRIETE BALL.
Force accrete relationsment, or fiberment, specified in covered sitiation-organism stage to seed for control of cracking that to drivings and themsel expension contention, losered sitiation signification, an increase in inspect capability, increased fiberment programs, and in the contention of the contention

- requirements, and rival linear or exceed the current inclusing standards.
 As a standard in the second process of process of the second process of the sec

- Uhere retriorcing douels are required, they shall be equivalent in size and spacing to the vertical retriorcement. The douel shall extend 48 bar clameters vertically and 20 bar clameters.
- into the footing.

 Uhere reinforcing steel is required vertically, douels shall be provided unless otherwise noted.

WOOD FRAMING:

20 Refulfilitis.

Shold alsan wood friening neathers shall conform to the specifications listed in the listest edition of the National Design Specification for Wood Contraction (Note). Miless orbitrarilise noted, all sood friening neathers are designed to be Southern-Yellou-Pref (SYP)?

LVL or PSL, engineered sood shall have the following minimum destan visities:

- 22. Fb = 1900,000 pel 22. Fb = 2600 pel 23. Fv = 265 pel 23. Fv = 265 pel
- 2A.Fc = 700 psi
 Wood in contact with concrete, nasonry, or earth shall be
 preseure treated in accordance with AUPA standard C-B. All pressure treated in accom-other moisture exposed us-uith AMPA standard C-2 sed wood shall be treated in acco
- Nails shall be common use nails unless otherwise noted.

 Lag screus shall conform to ANSI/ASME standard Bi821-Bi81.

 Lead holes for lag screus shall be in accordance with ND6
- specifications. All beams shall have full bearing on supporting framing members
- All beams whall have full beaming on supporting faming senders unless otherwise noting state aliast are to be not 67 °P ° ° 18. Exterior and load beaming situation are to be not 67 °P ° ° 18. Exterior and load beaming situation and load beaming situation and the senders for sindaudicor openings. A shifting the officionthicous at headers for indicatations openings. A shifting of one trigg state of hall be picticed at each red of the headers. King states shall be accurately and the senders of the headers. King states shall be accurate and the senders of the headers. King states shall be accurate and the senders of the headers of the senders have been senders and the senders have been senders and the senders of the send
- 24" Old.

 Four and five ply beams shall be bolted together with (2) rows of 12" diameter through bolts staggered # 16" O.C. unless noted otherwise.

WOOD TRUSSES.

L. The wood truss narufacturer/fabricator is responsible for the Ire accord uses shaft-currenteroctors in responsebble for the design of the social trueses, submit sestical object changes and supporting calculations to the SER review prior to flatinciation. The SER shaft have an infinum of the (5) days for review. The review by the SER shall review for coverall compilance with the design documents. The SER shall assume no responsibility for the correctness for the structural design for

responsibility for the correctness for the structural design for the sood trease. The sood treases will be designed for all required loadings as specified in the local building code, the AMCE Rendered sources as specified in the local building code, the AMCE Rendered (AMCE 1-10), and the loading requirements shown on these specification. For two destages, and the coordinates aim of other construction documents and provisions provided for loads shown on these changing including but not limited to HAVC explanent, piping, and architectural fixtures attached to the trueses.

the trusses. The trusses shall be designed, faloricated, and erected in accordance with the latest edition of the "National Design Specification for Model Construction." (MDS) and "Design Specification for Motal Plate Connected Wood Trusses." opeculication for mean must be interested wood insees. The trues samufacturer shall provide adequate bracing information in accordance with "Commentary and Recommendations for Heroling, Installing, and Ethicking Metal Plate Connected Wood Trusses" (HIB-91). This bracing, both temporary and permanent, shall be shown on the shop drawings. Also, the shop drawings shall show the required attachments for

Also, the study creatings shall show the required additionants for the trusses. Any chords or truss usibe shown on these drawings have been shown as a reference only. The final design of the trusses shall be per the nanufacturer.

EXTERIOR WOOD FRAMED DECKS.

Decks are to be framed in accordance with local building codes and a referenced on the structural plans, either through code references or construction details.

(COD STRUCTURAL PANELS).
Febrication and placement of structural sood sheathing shall be in accordance with the APA Design/Construction Guide "Residential and Comercial," and all other applicable APA standards.

All structurally required wood sheathing shall bear the mark of the APA.

Blood all ideating dail corply with the recomments of local building codes for the appropriate state at indicated on these desirings. Refer to sail Brazing codes in place of the orac desirings, Refer to sail Brazing codes in place of to most information, sharping shall be applied with the long direction perpendicular to Praining, unless noted christians. Roof eleating shall be aPA rated sharting spource or 2. Roof eleating shall be accentious over the expects and it should be applied to continuous over the expects and it should be applied and the folial period sharting electronic shall be applied to the place. Sharting shall be applied with the long direction perpendicular to framing, Reveiling shall have a spen study consistent with the Praining specific be about the sharting shall be applied grain to the sharting shall be applied grain to the sharting shall be applied perpendicular to Reming, Sharting specific shall be applied perpendicular to Reming, Sharting shall have a spen riding unless or the place shall be applied perpendicular to Reming, Sharting shall have a spen rating consistent with the Reming Sharting shall have a spen rating consistent with the Reming Sharting shall have a spen rating consistent with the Reming Sharting shall have a spen rating consistent with the Reming Sharting shall have a spen state Building Code.

- STEATURE LEPERDAND PARES.

 References and placement of structural filterboard sheathing shall be an accordance with the applicable APA standards, while the macroinate with the applicable APA standards, and to the APA, and the APA standards an
- Sheathing shall have a 1/6" gap at panel ends and edges are recommended in accordance with the AFA.









MARINA MARIA

100 THE TOTAL PROPERTY.

CSI



summit

DR Horton, ha. 1866 Ameridge Blvd. Cherlotte, NC 2873

wydau Monolithic Slab Foundation





SI.lm

4" CONCRETE SLAB ON 95% COMPACTED FILL 24'-13 5 -5 j 3000 PBI 4" CONORETE
SLAB W 6"X6"X WAXWA
WR OR FIBERMEBH
RENFORCEMENT OVER 6
MILL VAPOR RETARDER
OVER FILL OR 4" BASE
COURSE PER SECTION RS06 Dim 5 Dim IG"XIO" DP LLIG FTG. (TYP) 1 Dim Dim Dm/ 3000 PBI 4" CONCRETE 9LAB W 6"%6"X ULAMUA UUR OR FIBERFERH REINFORCEITENT OVER 6 MIL VAPOR RETARDER OVER FILL OR 4" BASE COURSE PER SECTION REGOL (6 Dim) 30"x30"x10" DP CONC. FTG. 30"x30"x10" DP CONC. FTG. 4 Dim BRICK VENEER
PER ELEVATION —
(REFER TO
ARCHITECTURALS) - 12"xle" DP CONT. CONC. FTG. (TYP # PORCH)

STRUCTURAL MEMBERS ONLY
ENGINEERING SAIA PRIES ONLY TO STRUCTURAL
COMPONENTS SAIA APPLIES ONLY TO STRUCTURAL
COMPONENTS ON THIS DOCUMENT. SEAL DOES NOT
INCLIDE CONSTRUCTION MEANS, METHODS, TECHNIQUES,
SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS.
ANY DEVIATIONS OR DESCREPANCIES ON PLANS ARE TO
BE BROUGHT TO THE IMMEDIATE ATTENTION P.C.
SYMMIT ENGINEERING, LADGMATOTE ATTENTION, P.C.
PARLINE TO DO SO WILL VOID SYMMIT LIBRILITY.

STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

MONOLITHIC SLAB FOUNDATION PLAN SCALE WAVE-OF ON 25-104" OR 19-11"

ELEVATION BFK

BRACED WALL NOTES:

- IBALL SE DESIGNED IN ACCORDANCE UITH SECTION RIGHD STROY THE 2008 MORTH CARBON REPORTED HIS DESIGN ALL LOCAL MORTH CARBON HAS RESIDNED ACKNOWN AND STREET STROY BY ACKNOWN AND SPEEDS UP TO BOT 1974.
 REFER TO ARCHITECTURAL FLAN FOR DOORWINDOUS OPPONS STROY BY ACCORDANCE UITH MORTH STROY FOR ARCHITECTURAL, FETHIOD AND AND STREETS SHALL DE IN ACCORDANCE UITH STROY AND STROY STROY AND STROY BY ACCORDANCE UITH STROY AND STROY BY ACCORDANCE UITH STROY AND STROY BY ACCORDANCE UITH BY AC
- DECRETATION AS PRINCIPLES AND FASTERISMS SHALL BE IN ACCORDANCE UNIT TABLE REGULE. IT AMAIN SHALL BE RILL MILL LISENT AND SHALL NOT DECRETE BY FIFT FOR ROLATIO PAREL REFINDO AND INTERFOR ROLATION BEATHING RETURN FOR ROLATION PAREL REFINDO AND INTERFOR ROLATION.

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- I. THE PLACHAL EDGE DOSTANCE SERVICES WORKED WILL PRESENT OWNER.

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 MORNING OR CONCESSION STATE DESCRIPTION OF THE STATE OF THE STATE WILLS BY A EMPIRICAL BY A STATE OF THE STAT

CB • GYPSUM BOARD LIBP • BLOOD STRUCTURAL PANEL
CB-XXX • CONT. SHEATHED
FF • PORTAL FRAME
FF • BNG • ENG. PORTAL FRAME

GENERAL STRUCTURAL NOTES:

- CONSTRUCTION SHALL CONFORM TO 2000 NORTH CAROLINA RESIDENTIAL L CONTRACTION SHALL COPPORT TO 200 KERTH CAROL NA RESIDENTIAL BULDING COSE BITH ALL LOCAL AND STATE #PROPERTS.

 2. CONTRACTION SHALL LEREFY ALL DIFFERENCE CONTRACTION SHALL CONTRACT HIT THE CONTRINCT OF THE POBMBAND FOR HIS SHECK HIS TOT RESPONSE. THE POBMBAND FOR HIS SHECK H

- PERFEDICILAR TO RAFTERS.

 FILTCH BEAMS, 4-PLY LY LAW AND 3-PLY SIDE LOADED LYLS SHALL BE BOLTED TOGETHER WITH IV? DIA THRU BOLTS SPACED AT AF OC.

 (MAX) STAGGERED OR EQUIVALENT CONNECTIONS PER DETAIL IDDS.

 TINLEDGE DISTANCE SHALL BE 2° AND (2) BOLTS SHALL BE LOCATED.
- I'M EXCEL DISTANCE SHALL BE 2" AND (1) SOUTH SHALL BE LOCATED INNIVITATION FINCE EACH BOOK THE BEAM.

 10. ALL NON-LOAD DEARNING HEADERS SHALL BE (I) FLAT 244 STYP & DENTETE IN FOR NON-LOAD DEARNING HEADERS DECEEDING 8"-0" IN UIDTH AND/OR WITH HOME THAN "2" OF OREFILE WALL ASOVE, SHALL BE (I) FLAT 244 STYP 9, DROMPED, (MALESS NOTED OTHERSHORD AND STATE AN

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH THERE FLAM ARE DESIGNED IN ACCORDANCE WITH A MACHINETIMAL PLAM PROVIDED BY DELL'ADDICUMENT OF THE CLIENT TO NOTIFY BATTET BORNETSHEEL LARGORATORY IT TERMS. PER PAR YOUNGARD ARE THE DESIGNED LARGORATORY IT TERMS PROVED CONSTRUCTION SHAPT BEARDERING, LARGORATORY IT TERMS PLANTED THE PROVED THE PROVIDED BY THE PROVIDED SHAPE THE PROVIDED THE PROVIDED SHAPE THE PROVIDED SHAPE THE PROVIDED THE PROVIDED SHAPE THE P

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FIRST FLOOR BRACING (FT) CONTINUOUS SHEATHING METHOD

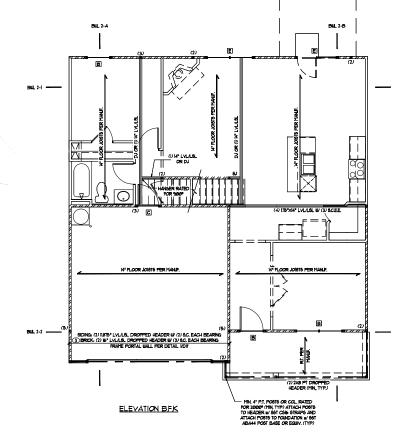
24.8 IB.Ø

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STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

FIRST FLOOR FRAMING PLAN

SCALE: 1/4" -1"-6" ON 22"x34" OR 1/6" -1"-6" ON 1"x11"



HEADER SCHEDULE							
TAG	SIZE	JACKS (EACH END)					
A	(2) 2x6	(IV					
B	(2) 2xd	(2)					
С	(2) 2xl@	(2)					
D	(2) 2x(2	(2)					
E	(2) 9-V4" LSL/LVL	(3)					
F	(3) 2x6	(I)					
G	(3) 2x8	(2)					
H	(3) 2xl@	(2)					
	(3) 2×2	(2)					

NOTES: I. HEADER SIZES SHOUN ON PLANS ARE MINIMUMS, GREATER LHEADER SIZES SHOW BE USED FOR EASE OF CONSTR.

2. ALL HEADERS TO BE DROPPED (UNO.).

3. STUD COLUMNS NOTED ON PLAN OVERRIDE STUD.

KING STUD SCHEDULE					
MAXIMUM HEADER SPAN	MINIMUM KING STUDS E.E.				
4'-0"	(t)				
6'-0'	(2)				
8'-0"	(2)				
10'-0'	(3)				
12'-0"	(3)				
14'-0"	(3)				
16'-0"	(4)				
18'-0"	(4)				

WALL STUD SCHEDULE (10 FT HEIGHT					
STUD SIZE STUD SPACING (O.C.)					
	ROOF ONLY	ROOF (ROOF 4 2 FLOORS	NON-LOA BEARING	
2x4	24"	16"	Β.	24"	
2x6	24"	24"	16"	24"	

NOTES.

I. BRACED MALES STUDS SHALL BE A MAX OF 16" O.C.

2. STUDS SUPPORTS OPTIONAL MALK-UP ATTIC SHALL BE SPACED A MAX OF 16" O.C. SPACED A MAX. OF 16" O.C.

3. TWO STORY WALLS SHALL BE FRAMED W/ 2x4 STUDS = 12"
O.C. OR 2x6 STUDS = 16" O.C. BALLOON FRAMED W/ HORIZ. BLOCKING # 6'-0" OC. VERTICALLY.

	LINTEL SCHED	DULE			
TAG	S(ZE	OPENING SIZE			
Θ	L3x3x1/4"	LESS THAN 6'-6"			
2	L5x3xl/4"	6'-0" TO 10'-0"			
3	L5x3-1/2x5/16*	GREATER THAN 10'-0"			
•	L5x3-V2x5/16* ROLLED OR EQUIV.	ALL ARCHED OPENINGS			
SECURE LINTEL TO HEADER W (2) V2" DIAMETER LAG SCREUS STAGGERED = 16" O.C. (TYP FOR)					
ALL HEADERS	WHERE BRICK IS USED,	TO BE: (UNO)			

SHADED WALLS INDICATED LOAD BEARING WALLS

NOTE: REDUCE JOIST SPACING UNDER TILE FLOORS, GRANITE COUNTERTOPS AND/OR ISLANDS.

JOIST 4 BEAM SIZES SHOUN ARE MINIMUMS. BUILDER MAY NOREASE DEPTH FOR EASE OF CONSTRUCTION.

NOTE:

____ DESIGNATES JOIST SUPPORTED LOAD BEARING
WALL ABOVE PROVIDE BLOCKING UNDER JOIST
SUPPORTED LOAD BEARING WALL

NOTE: MEMBERS NOTED AS PRESSURE TREATED MAY BE FRAMED WITH MON-PRESSURE TREATED LUMBER PROVIDED THE BYTINETY OF THE MEMBER IS WAMPED TO PREVENT MOSTURE INTRUSION.

NSTALL HOLD-DOUNG FOR BRACED WALL END CONDITIONS FER SECTION REGIZIOS 4 FIG. REGIZIOT OF THE 2016 NCRC.

NOTE: IIAI I ALEATUNG AND FASTENERS HAVE PEEN DESIGNED TO RESIST THE CONTINUOUS WIND UPLIFT LOAD
PATH IN ACCORDANCE WITH METHOD 3 OF SECTION
R602.35 OF THE 2018 NORC.

	summ
	engineering laboratory
	2070 HAMMOND BU PLACE, SUITE 1 RALEIGH, NC 27
	OCCUPE 919 300 9
	FAX: 919.380.995 WWW.SLIMMIT-COMPAN
	MINIMUM CAR











BRACED WALL NOTES:

- ALL IS SHALL BE DESCRIBE IN ACCORDANCE BITH SECTION RECURS PROVING SOME MORTH CARBO DAN RESIDENTIAL CODE BITH ALL LOCAL AND SYNTE THE PROPERTY LAW LOCAL DAY OF THE PROPERTY O
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 ACCORDANCE WITH RESULTS AND ACCORDA

CB = GYPSIM BOARD USP = UCOD STRUCTURAL PANEL
C3-XXX = CONT. SHEATHED BYG = BYG. PORTAL FRAME
FF = PORTAL FRAME
FF = BYG. PORTAL FRAME

GENERAL STRUCTURAL NOTES:

- GEREAL STRUCTURAL NOTION

 COMPILETOR SHALL CORPORT TO SOM MYRIX CARRY MA RESIDENTIAL

 BALDNE CORPORTING HALL LOCAL AND STATE PREPARENTS.

 CONTRACTOR SHALL CORPORT LOPENDING CONTRACTOR SHALL

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- PERPODICILAR TO RATTERS.

 FILTCH EARTH, PATT LIAS AND 3-H17 SIDE LOADED LIAS SHALL BE BOLTED TOGETHER WITH INFO TALL THE DOLTS SHALEDED AT 24" OC. OTWAS STRANGERED OR BEAULARD TO CONNECTIONS PER EPETAL LIDES. THE BOOK DISTANCE SHALL BE 7" AND 72 BOLTS SHALL BE LOCATED THREMEN SHAPE SEALL BE 70" AND 72 BOLTS SHALL BE LOCATED THREMEN SHAPE SEALL BE 70" THE EMAIL BE 70" THE CONTROL OF THE SHALL BE 70" THE CONTROL SHAPE SHALL BE 70" THE SHALL BOOK SHALL BE 10" THE TOWN SHALL BE 70" THE OWNER SHALL BOOK SHALL BE 70" THE SHALL BOOK SHALL BE 70" THE OWNER SHALL BOOK SHALL BE 70" THE SHALL BOOK SHALL BOOK SHALL BE 70" THE SHALL BOOK SHALL BOOK SHALL BE 70" THE SHALL BOOK SHALL

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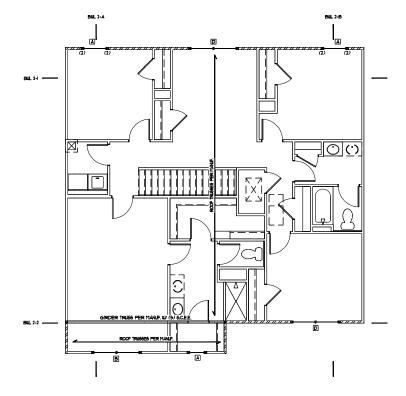
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STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

SECOND FLOOR FRAMING PLAN

SCALE: 1/4":1"-6" ON 22"x34" OR 1/6":1"-6" ON 1"x11"



ΞL	E٧	<u> 'AT</u>	ION	BF	ϗ

SECOND FLOOR BRACING (FT)					
CONTINUOUS SHEATHING METHOD					
REGUIRED PROVIDED					
BWL 2-1	6.0	27.0			
BUL 2-2	60	25.00			
EWL 2-A	5.8	400			
BUL 2-B	5.8	36.0			

HEADER SCHEDULE						
TAG	6(ZE	JACKS (EACH END)				
Α	(2) 2566	(I)				
8	(2) 2x6	(2)				
С	(2) 2xl@	(2)				
D	(2) 2x82	(2)				
E	(2) 9-V4" L8L/LVL	(3)				
	(3) 2×6	ri)				
G	(3) 2x8	(2)				
н	(3) 2xiØ	(2)				
	(3) 2×02	(2)				

NOTES: 1. HEADER SIZES SHOWN ON PLANS ARE MINIMUMS. GREATER LHEADER SIZES MAY BE USED FOR EASE OF CONSTRUK

2. ALL HEADERS TO BE DROPPED (UNO.).

3. STUD COLUMNS NOTED ON PLAN OVERRIDE STUD COLUMNS LISTED ABOVE (UN.O.).

KING STUD SCHEDULE				
MAXIMUM HEADER SPAN	MINIMUM KING STUDS E.E.			
4'-0"	(I)			
6'-0'	(2)			
8'-0"	(2)			
10'-0'	(3)			
12'-0"	(3)			
14'-0'	(3)			
16'-0"	(4)			
18'-0"	(4)			

WALL STUD SCHEDULE (10 FT HEIGHT)					
STUD SIZE	STUD SPACING (O.C.)				
	ROOF ONLY	ROOF (ROOF 4 2 FLOORS	NON-LOAD BEARING	
2x4	24"	16'	Ω"	24"	
2x6	24"	24"	16"	24"	
NOTES:					

NOTES:

L BRACED MALLS STUDS SHALL BE A MAX OF 16" O.C.

2. STUDS SUPPORTS OPTIONAL MALK-UP ATTIC SHALL BE
SPACED A MAX OF 16" O.C.

3. TIUD STORM MALLS BE FRAMED W 2014 STUDS = 12"
O.C. OR 266 STUDS = 16" O.C. BALLOON FRAMED W HORIZ.

BLOCKING . 6'-0" OC. VERTICALLY.

LINTEL SCHEDULE				
TAG	SIZE	OPENING SIZE		
①	L3x3xl/4"	LESS THAN 6'-0"		
2	L5x3xl/4"	6'-Ø" TO IØ'-Ø"		
3	L5x3-1/2x5/16"	GREATER THAN 10'-0"		
•	L5x3-V2x5/16" ROLLED OR EQUIV.	ALL ARCHED OPENINGS		
	EL TO HEADER w/ (2) V2* EGERED • I6* O.C. (TYP			

ALL HEADERS WHERE BRICK IS USED, TO BE: SHADED WALLS INDICATED LOAD BEARING WALLS

JOIST 4 BEAM SIZES SHOUN ARE MINIMUMS. BUILDER MAY INCREASE DEPTH FOR EASE OF CONSTRUCTION.

(UNO)

NOTE: MEMBERS NOTED AS PRESSURE TREATED MAY BE PRAMED WITH NON-PRESSURE TREATED LUMBER PROVIDED THE ENTIRETY OF THE MEMBER IS WRAPPED TO PREVENT MOISTURE INTRUSION.

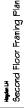
N6TALL HOLD-DOWNS FOR BRACED WALL BND CONDITIONS PER SECTION R6602/808 4 FIG. R6602/8/1 OF THE 2018 NCRC.

NOTE: WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST THE CONTINUOUS WIND UPLET LOAD PATH IN ACCORDANCE WITH HETHOD 3 OF SECTION RE02/35 OF THE 2019 NOTE.











THE TOTAL SECTION

TRUSS UPLIFT CONNECTOR SCHEDULE					
	ROOF TO WALL	FLOOR TO FLOOR			
600 LB6	H2.5A	PER WALL SHEATHIN	IG 4 FASTENERS		
12000 LBS	(2) H25A	C816 (END = 11")	DTT2Z		
145Ø LBS	H162Ø	C816 (END = 11")	DTT2Z		
2000 LB5	(2) MT52Ø	(2) C316 (END : II')	DTT2Z		
2900 LB8	(2) HT82Ø	(2) C86 (END • III)	HTT4		
3685 LB6	LGT3-8D625	MS1C52	HTT4		
1 ALL EDGOLUTE LISTED ARE SMOSON STOOMS. TIE ECHIVALENT					

I. ALL PRODUCTS LISTED ARE SHYRON STRON-TIE EDIZIVALENT PRODUCTS HAVE BUISD PER NAMEAFURIERYS SPECIATIONS.

2. UPLET VALUES LISTED ARE FOR SHY 72 GRADE HEMBERS.

3. REFER TO RISES LAVIOT FER MANK FOR VILET, TVALUES AND TRUSS TO TRUSS CONNECTIONS CONNECTIONS SPECIFIED BY TRUSS HAVE ACKNOWN OF SPECIFIED BY TRUSS HAVE ACKNOWN TRUSS TO RESIDE ADDRESS.

4. CONTRACT SERVER TO REQUIRED CONNECTIONS UPEN LOADS DECERT THOSE LISTED ABOVE.

NOTE: 19T PLY OF ALL SHOWN GIRDER TRUBSES TO ALIGN WITH INSIDE FACE OF WALL (TYP, UNO)

NOTE: ROOF TRUSSES SHALL BE SPACED TO SUPPORT FALSE FRAMED DORMER WALLS (TYP, UNO)

REFER TO DETAIL 5:09F FOR EYEBROW, RETURN OR 6:4ED ROOF FRAHING REQUIREMENTS, (TYP FOR ROOFS PROTRIDING MAXMLM 24" FROM STRUCTURE)

NOTE: TRUBO UPLIFT LOADO SHALL BE DETERTINED FER TRUBO MALFACIUMER N ACCORDANCE UTH SECTION REGOLU MALF SHEATHING AND FASTERISED WAS EBEN DESINEDED TO RESINST THE UND UPLIFT LOAD PATH IN ACCORDANCE WITH YETHOD 3 OF SECTION REGULES OF THE 2008 NORCE, REPER TO BRACED WALL FLANDS FOR SHEATHING AND PASTERIER REGULERICHMENTS.

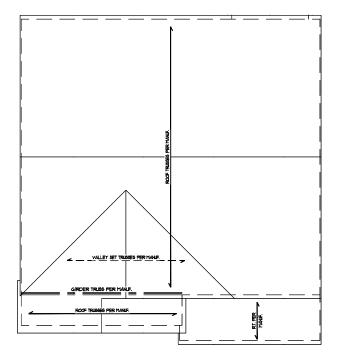
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STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

ROOF FRAMING PLAN SCALE: 141-11-67 ON 221-347 OR 181-11-67 ON 11-171









Haden Lit Roof Framing Plan



Market Mark

THE TOTAL SET INA

S5.1



STRUCTURAL PLANS PREPARED FOR STANDARD DETAILS

PROJECT ADDRESS:

OUNER DR Horton Carolinas Division 8001 Arrouridge Blvd Charlotte, NC 28213

ARCHITECT/DESIGNER

These drawings are to be coordinated with the architectural, teichanical, plumbing, electrical, and civil drawings. This coordination is not the responsibility of the structural engineering of record GERS. Should any discrepancies become apparent, the contractor shall notify SUPHIT Engineering, Laboratory 4 Testing. P.C. before construction begins.

PLAN ABBREVIATIONS

AB	ANCHOR BOLT	PT	PRESSURE TREATED
ΔĦ	ABOVE FINISHED FLOOR	RS	ROOF SUPPORT
a	CEILING JOIST	5C	STUD COLUMN
CLR	CLEAR	5J	SINGLE JOIST
DJ	DOUBLE JOIST	SFF	SPRUCE PINE FIR
D6P	DOUBLE STUD POCKET	95T	SIMPSON STRONG-TIE
EE	EACH END	5YP	SOUTHERN YELLOW PINE
₽W	EACH WAY	TJ	TRIPLE JOIST
NTS	NOT TO SCALE	TSP	TRIPLE STUD POCKET
oc	ON CENTER	TYP	TYPICAL
PSF	POUNDS PER SQUARE FOOT	uno	UNLESS NOTED OTHERWISE
PSI	POUNDS FER SQUARE NCH	WWF	WELDED WIRE FABRIC

Roof trase and floor joint layous, and their corresponding loading details, user not provided to SWHIT Engineering Laboratory 4 Tenting FLC, SWHIT price to the Mittal design. Permidro use and joint devices sere assumed based on the information provided by <u>IR Morton</u>, the Subsequent plan revisions based on one flowers and flow joint layous self to ended in the newtion last, indicating the date the layouts area provided. Should not the acceptance become appeare, the contractor with InfoRMT immediately.

SHEET LIST:

Sheet No.	Description	
CSI	Cover Sheet, Specifications, Revisions	
Din	Monolithic Slab Foundation Details	
Dis	Sten Wall Foundation Details	
Dic	Craul Space Foundation Details	
Dlb	Basement Foundation Details	
Dif Franing Datails		

Manager	Signature
Operations	
Operations System	
Operations Product Development	

REVISION LIST:

	LIS/11		
Revision No.	Date	Project No.	Description
-	5,1,17		Added box bay detail (2/D2f), Added deck options with basement. Revised deck options with stem wall and crawl space foundations
2	7,12,17		Revised sten util insulation note.
3	2,15,18		Revised garage door detail, NC only
4	2.28.18		Added high-und foundation details
5	12,19,18		Revised per 2018 NCRC
6	2,19,19		Revised per Mecklerburg County Comments
1	3.139		Revised sten will deck attachment and roof sheathing on wall sections.
8	3,6,19		Corrected dinensions at perimeter footings
9	3220		Added tall turndoun detail
		_	
	-	-	
	-	-	
		_	
	_		

GNERAL STRUCTURAL NOTES.

In design professional alone seal appears on these drawings as the structural engineer of second (SER) for this project. The SER bears the responsibility of the privacy structural elements as the contract of the

shall provide all requires temporary owners and the statistics. The SER is not responsible for construction sequences, nethods, or techniques in connection alth the construction of this structure. The SER uill not be held responsible for the contractor's faller to conform to the contract documents, should any non-conformities occur.

structure. The ERSI will not be held responsible for the contractor's falling to conferre to the contract of balling some conformation occur.

If you have been contracted to the contract of contractor is all the contractor of the contractor of an experiment of the contractor of a licensed professional engineer. These along construction begins, abouting on the contractor of a licensed professional engineer. These along construction begins, abouting on the contractor of the contract of contractor of the contract of contractor of the contractor of the contract of contractor of the contractor of the contractor of the contract of contractor of the contractor of the contract of contractor of the contract of contractors of the contractor of the contractor of the contract of contractors of the contractor of the contractors of the c

or non-structural elements, except for the elements specifically noted on the structural delenger.

1. This structure and a construction shall conform to all applicable sections of the international readerstatic code.

5. This structure and all construction shall conform to all structures and all construction shall conform to all structures and sections are one of the conformation of the current local building codes.

FOLDATIONS:

The structural engineer has not performed a subsurface investigation, verification of this assumed value is the responsibility of the owner or the contractor, should any advise so to condition be excountered the SER must be contacted before proceeding.

- 2. The bottom of all footings shall extend below the frost line for the region in which the sixulture is to be constructed, closure, the bottom of all footings shall be a shims of 12 below grade.

 3. Any fill shall be placed used the checking or economication

 4. The resulting of this lip is compacted to a minute of 15th astama chy density.

 5. Exercition of crottings shall be lined temporarily with a 6 mil polygrapher energies in placement of concrete does not occur within 4 horses of escavation.

 6. Which is the contraction of the contr

STRICTURAL 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 Stridges" and the name of Steel Construction "Load Resistance Factor Design". istest editions.

Structural steel shall receive one coat of shop applied

rust-inhibitive paint.
All steel shall have a minimum yield stress (F_c) of 36 ksi unless

otherwise noted.

Welding shall conform to the latest edition of the American Welding shall conform to the latest edition of the American Welding Society's Structural Welding Society AMD DIL Electrodes for shop and field welding shall be class E18004. All welding shall be performed by a certified welder per the above saterdands.

standardos.

CONCRETE.

CONCRETE.

CONCRETE.

CONTROL shall livium a normal usefult aggregata and a trihman compressive atwength (***) at 12 days of 3,600 pet, unless otherwise notes on the plan.

Concrete shall be proportioned, nised, and placed in accordance with the latest addition of Acid 58: "Shalling Code Requirements of Nantinored Concrete and Acid 58: "Shalling Code Requirements of Nantinored Concrete and Los lates of Latestand Latestand Concrete must be used for all structural elements exposed to researchise operand and being demanda. An entrainment amounts (in percent Paul De within -19, to 10% of target values as folioses.

3. Exterior States 19%.

3. A continuement of the SER.

Concrete slabs-on-grade shall be constructed in accordance with ACI 302.IR-96: "Guide for Concrete Slab and Slab

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conditions not in accordance with the above assurptions. Control or sea use (johns shift be speed in transfor sides-on-grade at a resoftme of 51-67 OC, and it meeter in sides-on-grade at a resoftme of 51-67 OC, and it meeter of the control of the

CONCRETE REINFORCEMENT:

ALCRETE REMORDICIPATI.

Filtrous converte inforcement, or floement, specified in concrete slabs-on-grader say be used for control of cracking date to driving and threat expension/contraction, incurred attacks of the control of cracking control of cracking and control of cracking contro

requirement, and shall nest or exceed the current holding stackets. On the shall be near billes seed confronting to a shall be near billes seed confronting to a shall be near billes seed on the shall be near the shall be near the shall be near the shall be in excordance with the latest edition of ACI 5th "Homal of Standard Protection for bealting Concrete Structures" Hortzonal flooting and sall reinforcement shall be continuous and will have 8th beauty continuous and have shall be act and have shall be a shall be a shall be a shall be shall be a shal

tension splice.

Lap reinforcement as required, a minimum of 40 bar diameters for tension or compression unless otherwise noted. Splices in masomy shall be a minimum of 48 bar diameters.

9. Uhere reinforcing douels are required , they shall be equivalent

9. Where reinforcing clauses her required, they shall be equivalent in its and expecting to the vertical reinforcement. The clause shall extend 46 ber claiments vertically and 26 ber claiments. Where reinforcing seals is required vertically, and 26 ber claiments. On the reinforcement in the control of the control of

Spruce-Yellou-Pine (SYP) 12. LVL or PSL engineered wood shall have the following minimum

I.V. or 19th, engineered accord shill have the following infiltrand for the control of the cont

other notiture epoposed uso drill be treated in accordance unit ARPA standard C-2 with ARPA standard C-1 will be already collected or class a consider contact.

Lag cores shall conform to ARMARPE standard DBS1-1981. Lack folies for lag cores shall be in accordance with NDS specification.

Lack collected or contact the conformation of the kind o

24" OC. 19 Filth beams, 4-ply beams and 3-ply side loaded beams shall be boiled together with (2) rous of 16" oftenser through boils staggered "56" OC, which noted otherwise. The edge distance shall be 2" and (2) boils shall be located a nin, 6" from each end of the beam.

WOOD TMMSES.

In second trace envilouturer/fairctator is responsible for the design of the sood traces. Submit seelled shop destings and supporting calculations to the SER for envirue prior to compare the service of the sood traces. Submit seelled shop of eatings and complained with the design decoments. The SER shall searce on exequishing to the corrections for the structural design for management of the contractions of the structural design for the second traces, and the second traces are seen to see the second traces and the second traces are seen to see the second traces and the second traces are seen to see the second traces and the second traces are seen to see the second to see the second traces are seen to see the second traces are seen

it/AC explanes, piping, and inchinential filtures attached to the tuses.

3. The tuses will be designed, filtured, and encoded and the second of the second

Also, the shop chairings shall show the required attachments for the trusses. Any chords or truss webs shown on these chairings have been shown as a reference only. The final design of the trusses shall be per the nanulacturer.

EXTERIOR MOOD FRAMED DECKS:

L Decks are to be framed in accordance with local building codes and as referenced on the structural plans, either through code references or construction details.

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.
All structurally required uccod sheathing shall bear the mark of the APA.

3. Noted will cheating shall comply with the requirement of local soliding codes in the property of the star and extended of codes of the code of the

STRUCTURAL EXERCISION PARTIAL

I. Reference of the second of the second elevating and placement of the second elevating.

I. All instructurally required fiberboard elevating will been the season of the All ancularity, required fiberboard elevating will be the season of the All ancularity required fiberboard season of the All ancularity required fiberboard season of the All ancularity required fiberboard season of the All ancularity required the season of the All ancularity required to the All ancularity require

momentum.

Sheathing shall have a 1/8" gap at panel ends and edges are recommended in accordance with the AFA.

SÜMMIT



PROJECT: 94andard D COVE



DATE SCORE

PEPER TO GOVER SHEET FOR A COTPLETE LIST OF REVENUE

CSI



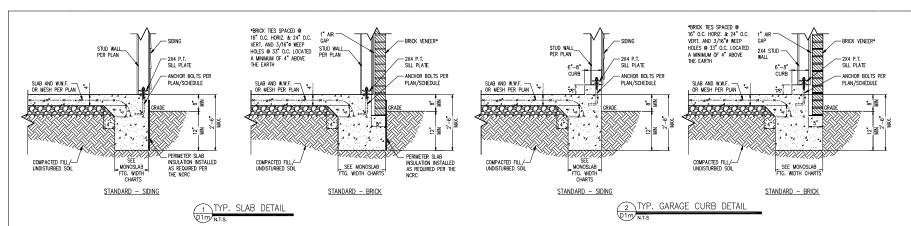
SÜMMIT







PEPER TO GOVER SHEET FOR A COTPLETE LIST OF REVENUE



WALL BEYOND SLAB TO BE SLOPED. SILL PLATE DRIVEWAY SLOPED-1/8" PER FOOT TOWARDS GARAGE ENTRY PER BUILDER - ANCHOR BOLTS PER SLAB AND W.W.F. -PLAN/SCHEDULE W/ WEATHER LIP OR MESH PER PLAN SIAR AND WWF 1/2" EXPANSION JOINT -----COMPACTED FILL/-COMPACTED FILL/— UNDISTURBED SOIL 10' TO NEAREST FULL

STEP IN GARAGE

WIDTH EXP. JOINT SLAB AT GARAGE DOOR D1m N.T.S.

TYP. THICKENED SLAB DETAIL

- PT POST

- SPOT FOOTING

OR CONTINUOUS

- 2X4 OR 2X6 P T

- ANCHOR BOLTS PER

PLAN/SCHEDULE

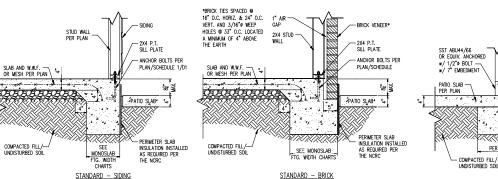
SILL PLATE

STUD WALL PER PLAN

SLAB AND W.W.F. -

OR MESH PER PLAN

COMPACTED FILL /-



\PATIO SLAB DETAIL

6A COVERED PATIO DETAIL

PER PLAN

MONOLITUIC FOOTING WIDTH

# OF STORIES	WIDTH BASED	ON SOIL BEAR	RING CAPACITY
	1500 PSF	2000 PSF	2500 PSF
1 STORY - STD.	16"	16"	16"
1 STORY - BRICK VENEER	21"*	21"*	21"*
2 STORY - STD.	16"	16"	16"
2 STORY - BRICK VENEER	21"*	21"*	21"*
3 STORY - STD.	23"	18"	18"
3 STORY - BRICK VENEER	32"*	24"*	24"*
*5" BRICK LEDGE HAS BEEN FOOTING WIDTH FOR BRICK !		MONOLITHIC	

	WALL ANCHUR SCHEDULE				
	TYPE OF ANCHOR	MIN. CONC.	SPACING	INTERIOR	EXTERIOR
-		EMBEDMENT	EMBEDMENT	WALL	WALL
-	1/2"ø A307 BOLTS w/	7"	6'-0"	YES	YES
-	STD. 90° BEND				
-	SST - MAS	4"	5'-0"	NO	YES
-	HILTI KWIK BOLT KBI 1/2-2-3/4	2-1/4*	6'-0"	YES	NO
- [1/2"ø HILTI THREADED ROD	7"	6'-0"	YES	YES
١	w/ HIT HY150 ADHESIVE				<u> </u>

NOTE: INSTALL ALL ANCHORS 12" MAX. FROM ALL BOTTOM PLATE ENDS AND JOINTS.

- NOTES:

 1. REFER TO GENERAL NOTES & SPECIFICATIONS ON COVERSHEET FOR ADDITIONAL INFORMATION.

 2. PROVIDE 6 MIL VAPOR BARREIR UNDER ALL SLABS-ON-GRADE. SEE ARCH. DRUSS FOR ALL TOP OF THE SLAB ELEVATIONS, SLORES AND IDERESSIONS.

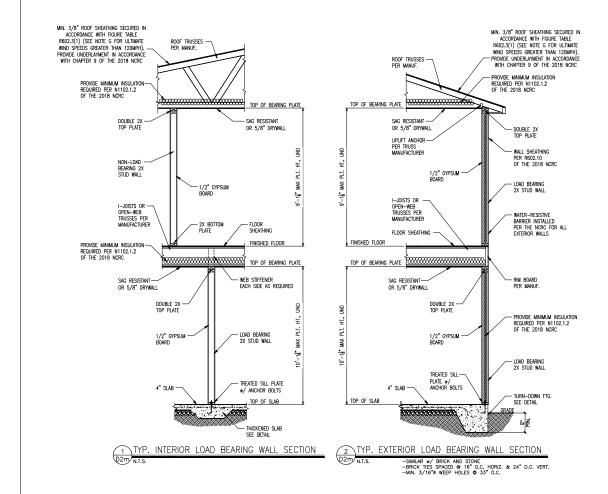
 REFER TO STRUCTURAL PLANS AND FRAMING DETAILS FOR REFER TO STRUCTURAL PLANS AND FRAMING DETAILS FOR
- BRACED WALL PANEL LAYOUT, DIMENSIONS, ATTACHMENT AND CONNECTIONS

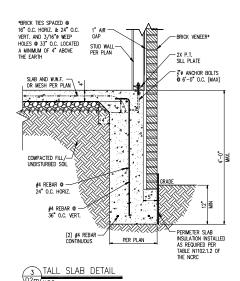
 5. REFER TO LOCAL AND STATEWIDE CODES FOR ADDITIONAL
- AMENDMENTS AND REQUIREMENTS NOT SHOWN

 6. PERIMETER INSULATION SHOWN AS REQUIRED BY LOCAL CLIMATE ZONE. INSTALL PER TABLE N1102.1.2 OF THE 2018 NCRC



Dlm





SUMMIT



Details PROBET: Standard Details Monolithic Slab Foundation



DATE-SCORE SCALE: 2264 SHIFT-SF SAT SEPIN-SF

COTTLETE LIST OF REVISIONS

D2m

NOTES:

1. REFER TO GENERAL NOTES & SPECIFICATIONS ON COVERSHEET FOR ADDITIONAL INFORMATION.

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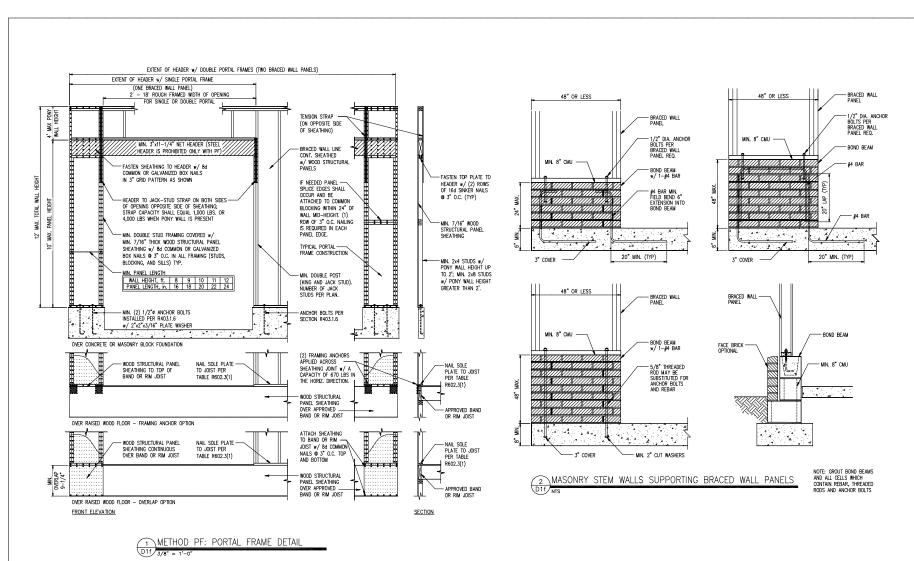
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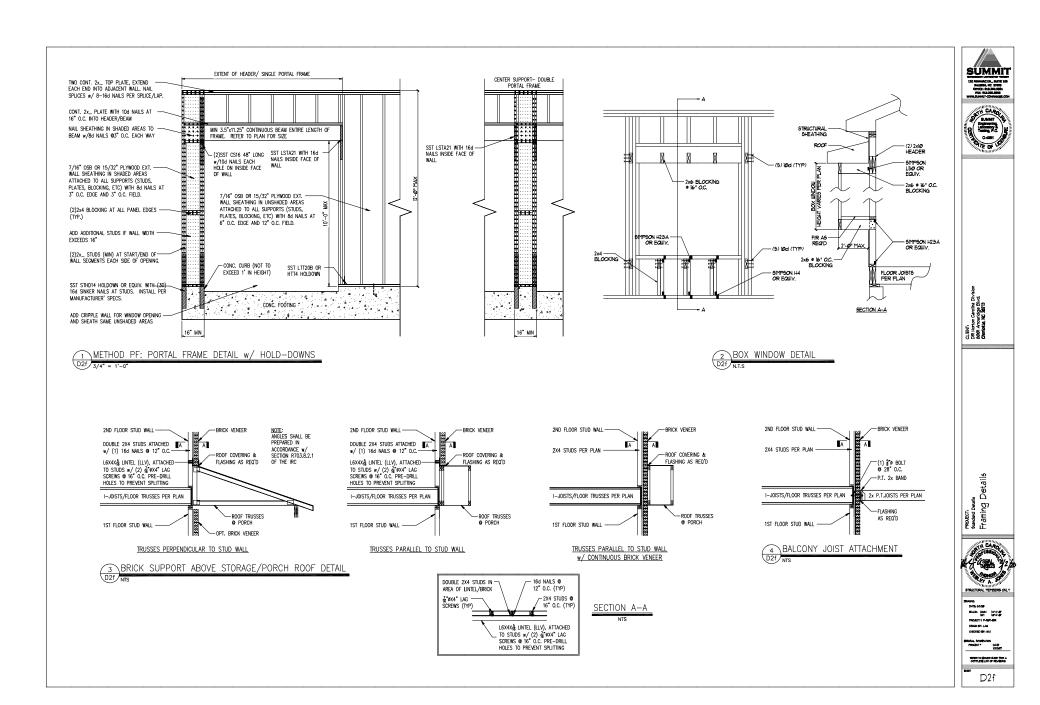
PROJECT: Standard Details Framing Details

SUMMIT



COTTLETE LIST OF REVISIONS

Dlf



MINIMUM FASTENING REQUIREMENTS FOR TOP- AND SIDE-LOADED MEMBERS		3 1/2" WIDE	5 V / WDE		7" WIDE		
FRSTENER TYPE	L'IL DEPTH	2-Ply 1¾"	3-Ply 13/"	134" + 31/2"	4-Ply 134"	2-Ry 1¾" + 3½"	2-Ply 31/1"
10d (1.128" x 3") Nails	7½′≤d<14″	3 rows @ 12" o.c.	3 rows @ 12" s.c. (ES)	3 rows @ 12" a.c.		3 rows @ 12" o.c. (ES)	
	c≥14°	4 rows @ 12" o.c.	4 rows @ 12" s.c. (ES)	4 rows @ 12" a.c.		4 rows @ 12" o.c. (ES)	
16d (0162" x 3½") Nails	7½′≤d<14″	2 rows @ 12" o.c.	2 rows @ 12" s.c. (ES)	2 rows @ 12" a.c.		2 rows @ 12" o.c. (ES)	
	c≥14°	3 rows @ 12" o.c.	3 rows @ 12" s.c. (ES)	3 rows @ 12" a.c.		3 rows @ 12" o.c. (ES)	
1/2" Through Bolts	d≥7%*	2 rows @ 24" o.c.	2 rows @ 24" o.c.		2 rows @ 24" o.c.		
SDS ¼" x 3½", WS35, 3½" TrussLok		2 raws @ 24" a.c.	2 rows @ 24" s.c. (ES)	2 rows @ 24" a.c.		2 rows @ 24" oc. (ES)	
SDS 1/" x 6", WS6			-		2 rows @ 24" oc. (ES)		
5" TrussLok			2 rows @ 24" o.c.				
6¾¹TrussLok					2 rows @ 24' o.c.		
All fasterers must meet the multiple-ply members mu requirements given on pay. Minimun fastening requir Please contact your technical managements and the please contact your technical managements.	st meet the mini ge 48. emen's for depti	num fastening and side-l s less than 7½" require	oading apacity	side are to be staggere clearances above; and (3) if "E5" is referenced, t	ng is no: refererce ed, ther fasteners d up to one-half th hen the fastener so he bick side office	d, then rone is required; installed in adjacent rows or se o.c. spacing, but maintains thedule must be repeated or up to one-half the o.c. space	n the front ng the fastener n each side,

5 GABLE ROOF RETURN D3f N.T.S.

2x4s @ 16" O.C.-

TOENAILED w/ (2) 16d COMMON TO NAILERS

2x6 SUBFASCIA -(3) 16d COMMON -2x4 NAILERS CONT.

— ZX4 NAILERS CONT.

NAILED w/ (2) 16d

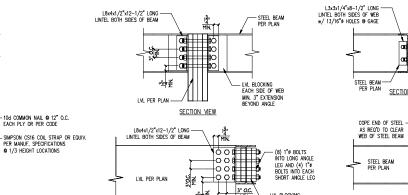
COMMON @ 16" O.C.

TO SOLID BLOCKING

OR WALL STUDS

1 MULTI-PLY BEAM CONNECTION DETAIL D31 N.T.S

- 10d COMMON NAIL @ 12" O.C. EACH PLY OR PER CODE



STEEL BEAM PER PLAN LVL BLOCKING EACH SIDE OF WEB MIN. 3" EXTENSION BEYOND ANGLE L3x3x1/4"x8-1/2" LONG -LINTEL BOTH SIDES OF WEB - (2) 3/4"ø BOLTS EACH ANGLE LEG w/ 13/16" # HOLES @ GAGE ELEVATION VIEW ELEVATION VIEW

2 MULTI-PLY STUD CONNECTION DETAIL D31/N.T.S 44 PH/PC

3 LVL TO STEEL DETAIL D3f N.T.S

4 STEEL TO STEEL DETAIL D3f N.T.S

SECTION VIEW

STEEL BEAM PER PLAN

- STEEL BEAM PER PLAN

SUMMIT





PROJECT: Standard Details Framing Details



TOTAL TO GOVER SHEET FOR A COTTLETE LIST OF REVISIONS D3f

