Docket Item # 2 BZA #2022-00001 Board of Zoning Appeals February 14, 2022

ADDRESS:1031 Cross DriveZONE:R-8/RESIDENTIAL SINGLE-FAMILYAPPLICANT:MICHAEL D. GILL III AND BROOKE C. GILL

ISSUE: Special exception to construct an addition in the required side yard.

EECTION	SUBJECT	CODE REQUIREMENT	APPLICANT PROPOSES	REQUESTED EXCEPTION
3-306(A)(2) feet	East Side Yard	8.00 feet*	7.10 feet	0.90

*Based on a building height of 13.92 feet measured from average existing grade to the height of the roof along the east side yard.

Staff **recommends approval** of the request because it meets the standards for a special exception.

If the Board grants the requested special exception, it is subject to compliance with all applicable code requirements, ordinances, and recommended conditions found in the department comments. The applicants must submit a survey plat confirming building footprint, height and setbacks and certification of floor area ratio a licensed surveyor, architect or engineer prior to all final inspections. The special exception must also be recorded with the deed of the property in the City's Land Records Office prior to the release of the building permit.





BZA #2022-00001 1031 Cross Drive

0 15 30

60 Feet

2

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I. <u>Issue</u>

The applicants, Michael D. Gill and Brooke C. Gill, propose to add a new addition to their existing dwelling located at 1031 Cross Drive. The proposed addition would be to the rear of the existing dwelling and would increase the square footage on the second floor. The applicants request a special exception to construct a portion of the proposed rear addition in the required east side yard.

II. <u>Background</u>

The subject property is a substandard lot of record with 50.00 feet of frontage along Cross Drive and a lot size of 5,000 square feet. As such, it complies with the R-8 zone's minimum lot frontage but not lot size nor width requirements. Single-family dwellings surround the subject property.



Figure 1 - Subject Property

A single-family dwelling occupies the subject property. City Real Estate records indicate the one-and-a-half story dwelling was constructed in 1940. It provides a 9.10-foot west side yard, a 7.00-foot east side yard, 25.20-foot front yard, and a 49.00-foot rear yard. With the proposed addition, the dwelling would contain 1,740.90 square feet of net floor area.

The following table provides a breakdown of all applicable zoning regulations as they pertain to the proposal:

R-8 Zone	Required/Permitted	Existing	Proposed
Lot Area	8,000 Sq. Ft.	5,000 Sq. Ft.	No change
Lot Width	65.00 Ft.	50.00 Ft.	No change
Lot Frontage	40.00 Ft.	50.00 Ft.	No change
Front Yard	25.00 Ft. (minimum)	25.20 Ft.	No change

Side Yard (East)	8.78 Ft. 1:2 height-to-setback ratio	7.00 Ft.	No change* No change* 41.00 ft	
Side Yard (West)	8.78 Ft. 1:2 height-to-setback ratio	9.1 Ft.		
Rear Yard	13.3 Ft. 1:1 height-to-setback ratio	49.00 Ft.		
Height	30.00 Ft.	17.50 Ft.	22.35 Ft.	
Net Floor Area	1,750 Sq. Ft. 0.35 FAR	1,165 Sq. Ft.	1,740.90 Ft. 0.348 FAR	

*The setback will not change, but the required setback will change as the height of the dwelling at the east and west side yards has lowered from 17.56 to 13.92.

III. Description

The applicants propose construct a one-story addition at the east corner of the existing dwelling and to increase the square footage of the second floor. The rear addition would allow for the expansion of the existing kitchen and would measure 8.00 by 21.19 feet, with a 12.00 by 6.00-foot addition to the west for a new mudroom and pantry. At 13.92 feet in height (as measured from average pre-construction grade), an 8.00-foot side yard would be required based on the R-8 zone's 1:2 height-to-setback ratio, minimum 8-foot side yard setback. The addition would be an extension of the existing noncomplying wall that is 7.00 feet from the east side yard property line, however, the addition would be roughly 1.00 inch farther away from the east side property line that the existing building wall. As such, the addition would require a special exception of 0.90 feet. The applicant is also proposing to alter the existing second story and change from a side-facing gable to a front-facing gable with dormers. This alteration will bring the height along the east side yard from 17.56 feet to 13.92 feet, reducing the required side yard setback from 8.78 feet to a minimum 8.00 feet.

The proposal would comply with all other zoning regulations and there have been no variances or special exceptions previously granted for the subject property.

IV. Noncomplying Structure/Substandard Lot

The existing lot is substandard and the existing dwelling is a noncomplying structure with respect to the following:

	Required	Provided	Noncompliance
Side Yard (East)	8.78 Ft.	7.00 Ft.	1.78 Ft.

Lot Size	8,000 Sq. Ft.	5,000 Sq. Ft.	3,000 Sq. Ft.
Lot Width	65.00 Ft.	50.00 Ft.	15.00 Ft.

V. <u>Master Plan/Zoning</u>

The subject property has been zoned R-8/Residential Single-Family since adoption of the Third Revised Zoning Map in 1951. The North Ridge/Rosemont Small Area Plan identifies the property for residential land use.

VI. <u>Requested Special Exception</u>

3-306(A)(2) Side yard (East)

Zoning Ordinance section 3-306(A)(2) requires a side yard based on a 1:2 height-tosetback ratio with a minimum depth of 8.00 feet. Figure 2, below, shows the existing dwelling's established noncomplying plane as it relates to the required east side yard. Any construction along one plane within the area shaded in blue would require a special exception from the side yard requirement. The area shaded in red shows the portion of the proposed addition that requires a special exception and the area shaded in green shows the portion of the proposed addition that complies with zoning.



Figure 2 – Special Exception Diagram

Because the proposed rear addition would expand the existing dwelling 8.00 feet to the rear within the required side yard along the existing noncomplying building wall, special exception approval is required. Based on the 1:2 setback ratio with an 8.00-foot minimum

setback, the proposed rear addition height of 13.92 feet would require a setback of 8.00 feet. The applicants request a special exception of 0.90 feet to construct the proposed addition 7.10 feet from the east side property line.

VII. Special Exception Standards

Per Zoning Ordinance section 11-1304, the Board of Zoning Appeals "must find that the strict application of the ordinance creates an unreasonable burden on the use and enjoyment of the property which outweighs the material zoning purpose for which the specific provision of the ordinance at issue was designed." Section 11-1304 also states that the Board of Zoning Appeals "shall consider and weigh the following issues, as applicable:"

1) Whether approval of the special exception will be detrimental to the public welfare, to the neighborhood or to the adjacent properties.

The proposed one-story rear addition would extend the existing noncomplying wall in the required east side yard by 8.00 feet. Because of the modest increase in the required east side yard, staff finds that approval of the request would not be detrimental to the public welfare, neighborhood or adjacent properties.

2) Whether approval of the special exception will impair an adequate supply of light and air to the adjacent property, or cause or substantially increase traffic congestion or increase the danger of fire or the spread of fire or endanger the public safety.

Approval of the special exception would not impact light and air supply to adjacent properties, cause or substantially increase traffic congestion or increase fire risks due to the proposed one-story addition's modest increase of within the required east side yard in line with the dwelling's existing eastfacing noncomplying building wall.

3) Whether approval of the special exception will alter the essential character of the area or zone.

Because the proposal represents a modest change, it would not alter the essential character of the area or zone. The proposed addition would be located at the dwelling's rear and would be minimally visible from the street.

4) Whether the proposal will be compatible with the development in the surrounding neighborhood.

Because of the addition's modest increase in square footage within the require east side yard setback, the proposal would not affect the existing dwelling's compatibility with development in the surrounding neighborhood. 5) Whether the proposed development represents the only reasonable means and location on the lot to accommodate the proposed structure given the natural constraints of the lot or the existing development of the lot.

Due to the narrowness of the subject property, location of the existing dwelling, and interior layout of the dwelling, the proposal is the only reasonable location for the rear addition to accommodate the kitchen expansion.

VIII. <u>Staff Conclusion</u>

Neighborhood Impact

The modest increase in square footage within the required east side yard would be minimally visible to surrounding properties. It would have no impact to the neighborhood.

Light and Air

Based on the height, size and location of the proposed addition, staff finds that it would have minimal effect on light and air supply to adjacent properties.

Lot Constraints

Due to the subject property's narrowness and size, it is substandard for the R-8 zone. The applicants' proposal would represent the least impactful and most reasonable location for an addition.

As outlined above, staff **recommends approval** of the request subject to compliance with all applicable codes, ordinances and recommended conditions found in the departmental comments of this report.

Staff

Maggie Cooper, Urban Planner, <u>margaret.cooper@alexandriava.gov</u> Mary Christesen, Zoning Manager, <u>mary.christesen@alexandriava.gov</u> Tony LaColla, Land Use Division Chief, <u>anthony.lacolla@alexandriava.gov</u>

DEPARTMENTAL COMMENTS

Legend: C - code requirement R - recommendation S - suggestion F - finding

* The applicant is advised that if the special exception and/or variance is/are approved the following additional comments apply.

Transportation and Environmental Services: No comments.

Code Administration: No comments.

Recreation (City Arborist): No comments.

Historic Alexandria (Archaeology):

- R-1 The statements in archaeology conditions below shall appear in the General Notes of all site plans and on all site plan sheets that involve demolition or ground disturbance (including Basement/Foundation Plans, Demolition, Erosion and Sediment Control, Grading, Landscaping, Utilities, and Sheeting and Shoring) so that on-site contractors are aware of the requirements:
 - a. The applicant/developer shall call Alexandria Archaeology immediately (703-746-4399) if any buried structural remains (wall foundations, wells, privies, cisterns, etc.) or concentrations of artifacts are discovered during development. Work must cease in the area of the discovery until a City archaeologist comes to the site and records the finds.
 - b. The applicant/developer shall not allow any metal detection to be conducted on the property, unless authorized by Alexandria Archaeology.
- C-1 All required archaeological preservation measures shall be completed in compliance with Section 11-411 of the Zoning Ordinance.
- F-1 The subject property is located in close proximity to a Civil War camp occupied by the 37th New York. While it is unlikely that the proposed project will cause much ground disturbance, we want to make sure the property owner and contractor are aware that the subject property has modest archaeological potential.

Other requirements brought the applicant's attention if the Board approves the request:

C-1 The special exception must be recorded with the property's deed in the City's Land Records Office prior to the release of the building permit.

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APPLICATION BOARD OF ZONING APPEALS

SPECIAL EXCEPTION FOR ADDITIONS

Section of zoning ordinance from which request for special exception is made: 3-306(A)(2)

<u>PART</u> 1.	Applicant: Owner Contract Purchaser Agent
	Name Michael D. Gill III and Brooke C. Gill
	Address 1031 Cross Dr., Alexandria VA 22302
	Daytime Phone 512-507-4305
	Email Address mgill@speedwelllaw.com
2.	Property Location 1031 Cross Dr., Alexandria VA 22302
3.	Assessment Map # 042.01 Block 01 Lot 06 Zone R8
4.	Legal Property Owner Name Michael D. Gill III and Brooke C. Gill
	Address 1031 Cross Dr., Alexandria VA 22302

OWNERSHIP AND DISCLOSURE STATEMENT

Use additional sheets if necessary

<u>1. Applicant.</u> State the name, address and percent of ownership of any person or entity owning an interest in the applicant, unless the entity is a corporation or partnership, in which case identify each owner of more than ten percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Name	Address	Percent of Ownership
1. Michael and Brooke GIII	1031 Cross Dr., Alexandria VA 22302	100
2.		
3.		

<u>2. Property.</u> State the name, address and percent of ownership of any person or entity owning an interest in the property located at <u>1031 Cross Dr. Alexandria VA 22302</u> (address), unless the entity is a corporation or partnership, in which case identify each owner of more than ten percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Name	Address	Percent of Ownership
1. Michael and Brooke GIII	1031 Cross Dr., Alexandria VA 22302	100
2.		
3.		

3. Business or Financial Relationships. Each person or entity indicated above in sections 1 and 2, with an ownership interest in the applicant or in the subject property are require to disclose **any** business or financial relationship, as defined by <u>Section 11-350 of the Zoning Ordinance</u>, existing at the time of this application, or within the12-month period prior to the submission of this application with any member of the Alexandria City Council, Planning Commission, Board of Zoning Appeals or either Boards of Architectural Review. All fields must be filled out completely. Do not leave blank. (If there are no relationships please indicated each person or entity and "None" in the corresponding fields).

For a list of current council, commission and board members, as well as the definition of business and financial relationship, click here.

Name of person or entity	Relationship as defined by Section 11-350 of the Zoning Ordinance	Member of the Approving Body (i.e. City Council, Planning Commission, etc.)	
1. Michael Gill	NONE	NONE	
2. Brooke Gill	NONE	NONE	
3.			

NOTE: Business or financial relationships of the type described in Sec. 11-350 that arise after the filing of this application and before each public hearing must be disclosed prior to the public hearings.

As the applicant or the applicant's authorized agent, I hereby attest to the best of my ability that the information provided above is true and correct.

12/17/2021	Michael Gill	
Date	Printed Name	Signature

5. Describe request briefly:

Requesting a special exception in the side yard setback requirement. We are requesting that a new addition have a setback of 7 feet from the property line consistent with the existing non-conforming structure. The setback would otherwise be 8 feet, forcing a wall to unpleasantly jut into our new kitchen.

6. If the property owner or applicant is being represented by an authorized agent,

such as an attorney, realtor or other person for which there is a form of compensation, does this agent or the business in which they are employed have

a business license to operate in the City of Alexandria, Virginia?

- Yes Provide proof of current City business license.
- No Said agent shall be required to obtain a business prior to filing application.

THE UNDERSIGNED HEREBY ATTESTS that all of the information herein provided including the site plan, building elevations, prospective drawings of the projects, etc., are true, correct and accurate. The undersigned further understands that, should such information be found incorrect, any action taken by the Board based on such information may be invalidated. The undersigned also hereby grants the City of Alexandria permission to post placard notice as required by Article XI, Division A, Section 11-301(B) of the 1992 Alexandria City Zoning Ordinance, on the property which is the subject of this application. The applicant, if other than the property owner, also attests that he/she has obtained permission from the property owner to make this application.

APPLICANT OR AUTHORIZED AGENT:

Michael D. Gill III	Michael Doud Gill III Digitally signed by Michael Doud Gill III Date: 2022.01.07 16:59:06 -05'00'		
Print Name	Signature		
512-507-4305	12/30/21		
Telephone	Date		

Pursuant to Section 13-3-2 of the City Code, the use of a document containing false information may constitute a Class 1 misdemeanor and may result in a punishment of a year in jail or \$2,500 or both. It may also constitute grounds to revoke the permit applied for with such information.

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NOTE TO APPLICANT: Only one special exception per dwelling shall be approved under the provisions of Section 11-1302(B)(4).

PART B (SECTION 11-1304)

APPLICANT MUST EXPLAIN THE FOLLOWING:

(Please use additional pages where necessary.)

1. Explain how the special exception for the proposed addition, if granted, meets the applicant's needs.

Granting the special exception would allow us to build a consistent and contiguous wall in our kitchen.

2. Explain if the special exception, if granted, will harm adjoining properties or impact the neighborhood in any way.

The exception will not harm or impact the neighborhood in any way.

3. Explain how the proposed addition will affect the light and air to any

The addition will not affect the air flow between houses, and will have a de minimis effect on the light on the adjoining property.

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4. Explain how the proposed addition is compatible with other properties in the neighborhood and the character of the neighborhood as a whole.

The proposed addition is compatible with the rest of the neighborhood as many other properties have additions on them that are similar.

5. How is the proposed construction similar to other buildings in the immediate area?

The addition to the single family home would be consistent the type and character of other homes in the neighborhood.

6. Explain how this plan represents the only reasonable location on the lot to

The existing kitchen is already in the place where we are proposing to add onto the home to build a bigger kitchen, and it is the only location where a kitchen could reasonably be placed in the home.

7. Has the applicant shown the plans to the most affected property owners? Have any neighbors objected to the proposed special exception, or have any neighbors written letters of support? If so, please attach the letter.

Yes, we have shown the plans to all of our neighbors. Our immediate neighbors have each written letters in support of the application.



Department of Planning and Zoning Floor Area Ratio and Open Space Calculations for Single and Two-Family Residential Outside Historic Districts

Α

	Jingle		an	illy keside		1E		
Α.	Property Info	rmation						
A1.	1031 Cross Dr. Al	exandria VA 22302					R-20	
	Street Address						Zon	e
A2.	5,000.00		x (D.35 Elect Area Batia A	llowed by Zopo	=	1,750 Movi	0.00
	Total Lot Area			FIOUI AIea Ralio A	nowed by Zone		waxi	
В.	Existing Gros	s Floor Area						
	Existing Gross	Area		Allowable Exclu	sions**			
	Basement			Basement**			B1.	0.00 Sq. Ft.
	First Floor			Stairways**				Existing Gross Floor Area
	Second Floor			Mechanical**			B2.	Allowable Elect Exclusions**
	Third Floor			Attic less than 7'**				
	Attic			Porches**			B3.	Existing Floor Area Minus Exclusions
	Porches			Balcony/Deck**				(subtract B2 from B1)
	Balcony/Deck			Garage**			Con	nments for Existing Gross Floor Area
	Garage			Other***				
	Other***			Other***				
B1.	Total Gross	0.00	B2.	Total Exclusions	0.00			
C.	Proposed Gro	oss Floor Area			• •			
	Proposed Gross	<u>s Area</u>		Allowable Exclu	<u>sions</u> **			2.076.00
		1 000 00		Dasement	950.00		C1.	Proposed Gross Floor Area*
		1,090.00		Stairways	95.00		~~	1,545.00
	Second Floor	1,030.00		Mechanical [^]	004.00		62.	Allowable Floor Exclusions**
	Third Floor			Attic less than 7'**	381.00		C3.	1,531.00 Sg. Ft.
	Attic			Porches**	21.00			Proposed Floor Area Minus Exclusions
	Porches			Balcony/Deck**				
	Balcony/Deck			Garage**				
	Garage			Other***	92.00			Nataa
	Other***			Other***				*Gross floor area for residential single and
C1.	Total Gross	3,076.00	C2	. <u>Total Exclusions</u>	1,545.00			two-family dwellings in the R-20, R-12, R-8, R-5, R-2-5, RB and RA zones (not including
								properties located within a Historic District) is the sum of all areas under roof of a lot,
D.	Total Floor A	rea		E. Open Spa	CE (RA & RB Zones))		measured from exterior walls.
D1.	1,531.00	Sq. Ft.		E1.	Sq. I	Ft.		** Refer to the Zoning Ordinance (Section 2-145(A)) and consult with Zoning Staff for
	Total Floor Area (add B3 and C3)		Existing Ope	n Space			information regarding allowable exclusions. Sections may also be required for some
D2.	1,750.00	Sq. Ft.		E2.	Sq. I	Ft.		exclusions.
	by Zone (A2)	HIIOWEO		Required Op	en Space			*** Refer to the Zoning Ordinance (Section 2-145(A)) and consult with Zoning Staff for
				E3.	Sq.	Ft.		additional allowable exclusions. Additional exclusions may include space under
				Proposed O	pen Space			balconies, retractable awnings, etc.

The undersigned hereby certifies and attests that, to the best of his/her knowledge, the above computations are true and correct.

12/17/2021 14 Date: _____



Department of Planning and Zoning Floor Area Ratio and Open Space Calculations

Α.	Property Info	rmation						
A1.	1. 1031 Cross Dr. Alexandria VA 22302						R-8	
	Street Address						Zon	e
A2.	5,000.00 Total Lot Area		x (0.35 Floor Area Ratio Al	lowed by Zone	=	1,750 Max	0.00 imum Allowable Floor Area
В.	Existing Gros	s Floor Area Area		Allowable Exclusion	sions**			
	Basement			Basement**			B1.	0.00 Sq. Ft.
	First Floor			Stairways**				Existing Gross Floor Area*
	Second Floor			Mechanical**			B2.	0.00 Sq. Ft.
	Third Floor			Attic less than 7'**				Allowable Floor Exclusions**
	Attic			Porches**			B3.	Existing Floor Area Minus Exclusions
	Porches			Balcony/Deck**				(subtract B2 from B1)
	Balcony/Deck			Lavatory***			Con	nments for Existing Gross Floor Area
	Lavatory***			Other**				
	Other**			Other**				
B1.	Total Gross	0.00	B2.	Total Exclusions	0.00			
	First Floor Second Floor Third Floor Attic Porches Balcony/Deck	1,090.00 1,030.00		Stairways** Mechanical** Attic less than 7'** Porches** Balcony/Deck** Lavatory***	95.00 381.00 21.00		C2.	Proposed Gross Floor Area* 1,545.00 Allowable Floor Exclusions** 1,531.00 Sq. Ft. Proposed Floor Area Minus Exclusions (subtract C2 from C1)
	Lavatory***			Other**	92.00			
	Other			Other**				Notes
C1.	Total Gross	3,076.00	C2.	Total Exclusions	1,545.00			under roof of a lot, measured from the face
D. D1. D2.	1. Total Gross 3,076.00 9. Total Floor Area 1. 1,531.00 Sq. Ft. Total Floor Area (add B3 and C3) 2. 1,750.00 Sq. Ft. Total Floor Area Allowed by Zone (A2)			E. Open Spar	Ce (RA & RB Zones) Sq. 1 n Space Sq. 1 en Space) Ft. Ft.		 b) exterior wais, including basements, garages, sheds, gazebos, guest buildings and other accessory buildings. ** Refer to the Zoning Ordinance (Section 2-145(B)) and consult with Zoning Staff for information regarding allowable exclusions. Sections may also be required for some exclusions. ***Lavatories may be excluded up to a maximum of 50 square feet, per lavatory.

The undersigned hereby certifies and attests that, to the best of his/her knowledge, the above computations are true and correct.

Date: 12/17/2021

NOTES: 1. FENCES ARE CHAIN LINK UNLESS NOTED.



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REAR AND SECOND STORY ADDITION

1031 CROSS DRIVE ALEXANDRIA VIRGINIA 22302

ABBREVIATIONS

DIM DIMENSION DISP DISPENSER DIV DIVISION (DIVIDED) DN DOWN DS DOWN SPOUT DR DOOR DW DISHWASHER DWGS DRAWINGS DWR DRAWER F FAST EA EACH EJ EXPANSION JOINT EL ELEVATION ELEC ELECTRICAL ELEV ELEVATION ENCL ENCLOSURE ENT ENTRANCE EQ EQUAL EQUIP EQUIPMENT ETR EXISTING TO REMAIN EWC ELEC. WATER COOLER EX EXISTING EXP EXPANSION EXT EXTERIOR FD FLOOR DRAIN FE(C) FIRE EXTINGUISHER FG FINISH GRADE FT FOOT (FEET) FF FINISHED FLOOR FF&E FIXTURE FURNITURE EQUIPMENT FVC FIRE VALVE CABINET FIN FINISH FL FLOOR FLEX FLEXIBLE FLSG FLASHING FLUOR FLUORESCENT FR FRAME FRPF FIRE PROOFING FIRE RETARDANT FRT TREATED FTG FOOTING FUR FURRING FX FIXED WINDOW GA GAUGE GALV GALVANIZED GB GYPSUM BOARD GC GENERAL CONSTRACTOR GL GLASS GR GRADE GWB GYPSUM WALLBOARD HB HOSE BIB HC HOLLOW CORE HD HEAVY DUTY HDWD HARDWOOD HDWR HARDWARE HT HEIGHT HM HOLLOW METAL

HORIZ HORIZONTAL

ABV ACC ABOVE ACCESS ACOUS ACOUSTICAL AD AREA DRAIN ADJUSTABLE ADJ AFF ABOVE FINISH FLOOR AHU AIR HANDLING UNIT ALT ALTERNATE ALUM ALUMINUM ANCHORS ANC APPROX APPROXIMATE ARCH ARCHITECT AUTO AUTOMATIC AVG AVERAGE B BATHROOM BD BEAD BIT BITUMINOUS BLDG BUILDING BLOCK BLK BLOCKING BLKG BM BEAM BO BY OWNER BOT BOTTOM BRD BOARD BRKT BRACKET BUILDING SETBACK BSL LINE BSMT BASEMENT BU BUILT UP CABINET CAB CEM CEMENT CF CUBIC FOOT (FEET) CAST IRON CL CJ CONTROL JOINT CLG CEILING CLL CONTRACT LIMIT LINE CL CLOSET CLR CLEAR CMU CONCRETE MASONRY UNIT CNR CORNER CH CONCRETE HEADER CO CLEAN OUT COL COLUMN CONC CONCRETE CONST CONSTRUCTION CONT CONTINUOUS CS COURSES CS CASEMENT WINDOW CT CARPET CTR CENTER CTSK COUNTER SUNK DBL DOUBLE DEPT DEPARTMENT DET DETAIL DF DRINKING FOUNTAIN DH DOUBLE HUNG DIA DIAMETER DIFF DIFFUSER

AB ANCHOR BOLT

HP HIGH POINT HVAC HEATING VENT, AIR COND ID INSIDE DIAMETER INSUL INSULATION INST INSTALLATION INT INTERIOR JAN JANITOR JST JOIST JT JOINT KD KNOCK DOWN KIT KITCHEN KO KNOCK OUT LAM LAMINATED LAV LAVATORY LP LOWPOINT LIN LINEAR LT LIGHT LW LIGHTWEIGHT MACH MACHINE MAINT MAINTENANCE MATL MATERIAL MAX MAXIMUM MDF MEDIUM DENSITY FIBERBOARD MECH. MECHANICAL MEMB MEMBRANE MET METAL MTL METAL MEZZ MEZZANINE MFR MANUFACTURER MIN MINIMUM MISC MISCELLANEOUS MLDG MOLDING MO MASONRY OPENING MOD MODIFIED MTD MOUNTED NIC NOT IN CONTRACT NO NORTH NRC NOISE REDUCTION COEFFICIENT NTS NOT TO SCALE OA OVERALL OC ON CENTER OD OUTSIDE DIAMETER OFF OFFICE OFCI OWNER FURNISHED/ CONTRACTOR INSTALLED OH OVERHEAD OPG OPENING OP HD OPPOSITE HAND OPP **OPPOSITE** PAR PARTIAL PART PARTITION PED PEDESTRIAN P-LAM PLASTIC LAMINATE PLYWD PLYWOOD PNL PANEL POL POLISH (POLISHED) PPT PRESERVATIVE PRESSURE TREATED PR PAIR

PREFAB PREFABRICATED PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PT PAINT PTD PAINTED QT QUARRY TILE QTY QUANTITY RAD RADIUS RD ROOF DRAIN REF REFRIGERATOR REINF REINFORCED (ING) REQUIRED REQ RES RESILIENT REV REVISE (REVISION) RO ROUGH OPENING RTU ROOF TOP UNIT SC SOLID CORE SCHED SCHEDULE SECT SECTION SF SQUARE FOOT (FEET) SHEET SHT SIM SIMILAR SHR SHOWER SL SLIDING SQ SQUARE SSK SERVICE SINK S.STL. STAINLESS STEEL STC SOUND TRANSMISSION CLASS STD STANDARD STL STEEL STN STAIN STOR STORAGE STRUCT STRUCTURAL SUSP SUSPENDED SW SWITCH SYS SYSTEM (T) TEMPERED GLASS/WINDOW TO BE REMOVED TBR TEL TELEPHONE TEMPERED TEMP T&G **TONGUE & GROOVE** THK THICK THR THRESHOLD TV TELEVISION TYP TYPICAL UNDERWRITER'S LABORATORIES UL UNF UNFINISHED UNLESS NOTIFIED OTHERWISE UNO UTILITY UTL VERT VERTICAL VIF VERIFY IN FIELD W WEST WD WOOD WH WATER HEATER W/O WITH OUT WP WATERPROOFING WR WATER RESISTANT WT WEIGHT

SOIL BEA (NOTE: A WITH CO SOIL CLA ROOF LO SNOW L DEAD LC FLOOR I LIVE LOA SLEEPIN FLOOR D ATTIC LIN LIVE LOA DEAD LOA DECK LO LIVE LOA DEAD LO BALCON LIVE LOA DEAD LO STAIRS : 60 PSF WIND LO WIND SPI WIND LO WIND EXI COMPON 140 MPH MAX VAL MAX VAL WALL BE (PRESCR FOUNDA FOUNDA NOTE US CODE SO HANGER ALL HAN MANUFA PER THE THE DESIG ARCHITECTS IS INTELLECTUAL PROPERTY OF THE CREATOR: NOTHING IS BE COPIED. REPRODUCED. TRANSMITTED OR RECREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION.

PER THE UNITED STATES COPYRIGHT LAW COMPENDIOUM OF U.S. COPYRIGHT OFFICE PRACTICES SECTION 903.2: ARCHITECTS, FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJUCED, TRANSMITTED OR RECREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION 903.2: ARCHITECTS, FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION. ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJUCED, TRANSMITTED OR RECREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION.



CODE INFORMATION

BUILDING CODE: 2015 VRC USE GROUP: R-5 SINGLE FAMILY RESIDENTIAL CONSTRUCTION TYPE: (VB WOOD FRAMED CONSTRUCTION) **HEIGHT LIMITATION: 30' MAXIMUN HEIGHT PER ZOINING** AUTOMATIC SPRINKLER SYSTEM (NONE) ENERGY CODE COMPLIANCE (PRESCRIPTIVE)

DESIGN LOADS

SHEET # SHEET NAME SHEET # SHEET NAME IGHT) A001 COVER SHEET A002 GENERAL SPECIFICATION A003 DEMOLITION PLAN A010 FOUNDATION PLAN A011 DETAILS - FOUNDATION & A020 DOOR AND WINDOW SCHI A100 EXISTING PLANS A101 FIRST FLOOR AND SECON A200 FRONT, LEFT, RIGHT AND A200 FRONT, LEFT, RIGHT AND A200 FRONT, LEFT, RIGHT AND A300 BUILDING SECTIONS, WAI A301 BUILDING SECTIONS & DE A410 WIND BRACING & DETAILS A420 DETAILS - FLASHING, HEA E101 LIGHTING & DOWER 1ST
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P100 PLUMBING - FLOOR PLAN
PTUT PLUMBING - FLOOR PLAN
S101 FRAMING PLANS
S102 ROOF FRAMING PLANS
S200 TIUS DETAILS
3200 1313 DETAILS
5/8 TYPE X
S & FIRE

ARCHITECT JOSE (JOE) DASILVA 10486 COLONEL COURT MANASSAS VA, 20110 (703)420-8141

OFFICIAL COUNTY USE ONLY

Ι Β C Η I T E C T S 0486 COLONEL COUR **MANASSAS VA 2011** (703)420-8141 www.S2RArchitects.com ID@S2RArchitects.con 30 ő CR(RIA \mathbf{c} Ζ 0 4 O Ш Ш S GEORGE C. GERBEP Lic. No. 2311 DATE REVISION 08/20/2021 COVER SHEET A001

BUILDING DATA

BASEMENT EXISTING : 774 SF FIRST FLOOR EXISTING : 774 SF SECOND FLOOR EXISTING: 278 SF FIRST FLOOR PROPOSED : 231 SF SECOND FLOOR PROPOSED : 721 SF

TOTAL BUILDING SQUARE FEET : 2,500 SF

SHEET INDEX

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EDULES

ND FLOOR PLAN **REAR ELEVATIONS** LL SECTION & DETAILS ETAILS **ID DETAILS**

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DIVISION 10: SPECIALTIES

FIREPLACES:

1. PREFAB FIREPLACES, SHALL BE U.L. APPROVED AND BE INSTALL PER IRC CODE. 2. EXHAUST TO THE OUTSIDE PER CODE AND MANUFACTURER RECCOMENDATION.

CLOSET SHELVES /TOWELS BARS:

1R/1S CLOSET SHELVELS @ 68" A.F.F. 2R/1S CLOSET SHELVES @ 42" & 84" A.F.F

LOCATE DBL TOWEL BARS @ 38" & 68" A.F.F LOCATE SINGLE TOWE BARS @ 38" A.F.F SET 18" TOWEL BARS @ 24" ABOVE VANITY TOP

STAIRWAYS:

1. THE MAXIMUM RISER HEIGHT SHALL BE 8 1/4" AND MINIMUM TREAD WIDTH OF 9". 2. STAIRWAYS SHALL NOT BE LESS THAN 36" IN CLEAR WIDTH AND HEADROOM OF NOT LESS THAN 6'-8". THE MINIMUM AT THE HANDRAIL SHALL NOT BE LESS THAN 32" WITH A HAND RAIL ON ONE SIDE AND 28" WITH A HAND RAIL ON BOTH SIDES.

3. ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS AND SOFFITS PROTECTED BY ON THE ENCLOSED SIDE WITH 1/2" DRYWALL. 4. HEIGHT OF HADRAIL (R315.1)- TO BE NOT LESS THAN 34" & NOT GREATER THAN 38" IN

HEIGHT. 5. HANDRAIL SIZE (R315.2) - TO BE NOT LESS THAN 1 1/4" & NOT GREATER THAN 2" IN DIAMETER.

GUARDRAILS

1. PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE

GUARDRAILS NOT LESS THAN 36 INCHES IN HEIGHT. 2. OPEN SIZES OF STAIRS WITH A TOTAL RISE OF MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDRAISL NOT LESS THAN 34 INCHES IN

HEIGHT MEASURED VERTICALLY FROM THE NOSING OF THE TREADS. 3. REQUIRED QUARDRAILS ON OPEN SIDES OF STAIRWAYS, RAISED FLOOR AREAS, BALCONIES AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL

CLOSURES WHICH WILLNOT ALLOW PASSAGE OF A

SPHERE 4 INCHES IN DIAMETER.

4. EXCEPTION THE TRIANGULA OPENINGS FORMED BY THE RISER, TREAD AND BOTTOM RAIL OF A GUARD AT THE OPEN SIDE OF A STAIRWAY MAY BE OF SUCH A SIZE THAT A SPHERE 6 INCHES IN DIAMETER CANNOT PASS THROUGH. 5. RAILING TO WITHSTAND FORCE OF 200LB PER LINEAR FOOT IN EACH DIRECTION.

DIVISION 25: INTEGRATED AUTOMATION (NOT USED)

DIVISION 26. ELECTRICAL 1. ALL WORK SHALL BE IN FULL ACCORDANCE WITH ALL CODES, RULES AND

REGULATIOS OF GOVERNING AGENCIES AND SHALL COMPLY WITH THE

REQUIREMENTS OF THE SERVING POWER AND TELEPHIONE COMPANIES. 2. SMOKE DETECTORS SHALL BE INSTALLED IN EACH SLEEPING ROOM OUT SIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS AND ON EACH ADDITIONAL STORY

PER IRC CODE. LATEST EDITION. 3.ALL EQUIPMENT INTALLED OUTDOORS AND ESPOSED TO WEATHER SHALL BE WEATHER-PROOF

4. RECEPTACLES AT REFRIGERATOR, KITCHEN COUNTERS AND BATHROOM OTHERWISE NOTED ON DRAWINGS.

5. BEDTOOM ELECTRICAL RECEPTACLES EQUIPPED WITH ARC FAULT INTERRUPTERS. (E3802.9)

6. PROVÍDE TWO GROUNDING RODS FOR ELECTRICAL SERVICE. THE PLANS AND SPECIFICATIONS ARE NOT INTENDED TO DEPICT EACH AND EVERY CONDITION OR DETAIL OF CONSTRUCTION. AS THE KNOWLEDGEABLE PARTY IN THE FIELD. THE CONTRACTOR IS IN THE BEST POSITION TO VERIFY THAT ALL CONSTRUCTION IS COMPLETED IN A MANNER WHICH WILL PROVIDE A WATERTIGHT STRUCTURE THE CONTRACTOR HAS A SOLE RESPONSIBILITY FOR ENSURING THE WATERTIGHT INTEGRITY OF THE STRUCTURE.

DIVISION 27: COMMUNICATIONS (COORDINATE WITH OWNER) DIVISION 28: ELECTRONIC SAFETY AND SECURITY (COORDINATE WITH OWNER) DIVISION 48: ELECTRICAL POWER GENERATION (COORDINATE WITH OWNER)

UNDERPINNING NOTES:

UNDERPINNING WORK SHALL BE PERFORMED BY A LICENSED, BONDED AND INSURED SPECIALTY CONTRACTORS HAVING BONDED AND INSURED SPECIALTY CONTRACTORS HAVING EXPERIENCE UNDER SIMILAR SITUATION AND REGULARLY ENGAGED IN THIS TYPE OF WORK.

2. CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS FOR ANY CONFLICTS WITH THE EXISTING FIELD CONDITIONS, RESOLVE SUCH CONFLICTS AND COORDINATE COMPATIBILITY OF NEW WORK WITH THE EXISTING CONDITIONS BEFORE PROCEEDING WITH THE UNDERPINNING WORK. PROTECT ALL EXISTING STRUCTURAL AND ARCHITECTURAL BUILDING ELEMENTS AND UTILITIES/SERVICES FROM DAMAGE DURING UNDERPINNING WORK.

3. FOLLOW STRICTLY THE SEQUENCE OF UNDERPINNING IN THE DIRECTION SPECIFIED ON THE PLAN FOR EACH SEQUENCE GROUP DO NOT MOVE TO THE NEXT SEQUENCE GROUP UNTIL ALL SEGMENTS IN THE SEQUENCE UNDERTAKEN ARE UNDERPINNED.

4. LAYOUT AND MARK NUMBERING OF ALL SEGMENTS ALONG THE EXISTING WALL AS SHOWN ON THE PLAN. NOT EXCEED THE LENGTH OF SEGMENTS SPECIFIED ON THE PLAN. COMPLETE UNDERPINNING OF ALL SEGMENTS MARKED AS A'S FIRST. C'S SECOND, B'S LAST. DO NOT OPEN PITS IN THE OTHER SEQUENCE GROUP UNTIL ALL SEGMENTS IN THE SEQUENCE GROUP UNDERTAKEN HAVE BEEN COMPLETED, CURED AND ABLE TO SUPPORT THE EXISTING WALL AND THE LOAD CARRIED BY IT.

5. EXCAVATE THE SEGMENT TO THE DESIGN DEPTH SPECIFIED ON THE DRAWINGS USING MANUAL TOOLS/METHODS. EXCAVATION FOR SEGMENT BEING UNDERPINNED. IF UNSTABLE, SHALL BE BRACE/SUPPORTED IMMEDIATELY. EXCAVATION SHALL BE LIMITED TO THE SEGMENT UNDERTAKEN. DO NOT EXCAVATE THE ENTIRE BASEMENT IN THE BEGINNING. EXCAVATION OF THE ENTIRE BASEMENT TO THE SPECIFIED DEPTH SHALL BE COMPLETED ONLY AFTER ALL UNDERPINNING WORK IS COMPLETED.

6. LIMIT TO A MAXIMUM OF THREE OPEN PITS IN EACH GROUP ON ANY WALL AT ANY TIME.

7. FOR SEGMENT TOT SEGMENT DOWEL INSTALLATION, DRILL HOLES IN THE EXISTING EARTH ON BOTH SIDES OF FOOTING SEGMENTS UNDER TAKEN IF THE EARTH PRESENT IS ON ONE SIDE OF THE SEGMENTS UNDER TAKEN. PROTECT PART OF THE DOWEL IN DIRT WITH A PLASTIC WRAP WHICH SHALL BE REMOVED PRIOR TO PLACING CONCRETE IN ADJACENT SEGMENT. REPEAT PROCESS FOR WALL SEGMENTS. THOROUGHLY CLEAN CONCRETE SURFACES OF UNDERPINNED FOOTINGS AND WALL SEGMENTS ALREADY COMPLETED AND TO BE IN CONTACT WITH NEW WORK (NEW SEGMENT, DRY PACK, ISOLATION JOINT MATERIALS, ETC.) OF ALL LOOSE MATERIALS AND DIRT FORM. PLACE REINFORCEMENT INCLUDING DOWELS, CONSTRUCTION JOINT KEYS BETWEEN SEGMENTS, RX WATER STOPS AND DOWELS FOR THE SEGMENTS UNDERTAKEN PLACE, VIBRATE AND CONSOLIDATE CONCRETE TO FILL ALL VOIDS. PLACE ENOUGH CONCRETE TO MAKE SURE THAT THE VOID SPACE ON THE ADJOINING NEIGHBOR'S SIDE IS COMPLETELY FILED.

8. DRY PACKING SHALL BE A MINIMUM OF 2 INCHES AND SHALL PROCEED ONLY 48 HOURS MINIMUM AFTER CONCRETE POUR FOR THE SEGMENTS, CONCRETE MUST ACHIEVE 75% OF SPECIFIED 28-DAY DESIGN STRENGTH, ESTABLISHED BY TESTING CONCRETE CYLINDERS AT THREE DAYS OF AGE PRIOR TO REMOVAL OF SHORING/ BRACING SYSTEM FOR THE SEGMENT AND TRANSFERRING WALLS LOADS TO NEW WALL AND FOOTING.

9. FINALLY EXCAVATE THE EXISTING FLOOR SLAB AND EARTH BELOW THE REQUIRED/SPECIFIED DEPTH/ELEVATION. PLACE THE INTERIOR PERIMETER DRAIN PER DETAIL AS SHOWN ON THE DRAWINGS AND CONNECT TO THE SUMP PIT. PREPARE THE SOIL SUB-GRADE THROUGH AT LEAST 95% COMPACTION PER ASTM D698. REPLACE ANY SOFT SOILS WITH COMPACTED APPROVED SOILS OF \$57 CRUSHED STONE OR GRAVEL. PLACE SLAB-ON-GRADE PER CONSTRUCTION DETAILS SHOWN ON THE DRAWINGS.

10. INSTALL A CRACK MONITOR GAUGE ON THE FOUNDATION WALL VERTICALLY BELOW 1ST FLOOR FRAMING, AND PLACE A 4 FT LONG CONSTRUCTION LEVEL ON THE 1ST FLOOR PERPENDICULAR TO PARTY WALLS AT THE SPECIFIED LOCATIONS. CONTACT THE ENGINEER IF ANY MOVEMENT AND/OR CRACK HAPPEN.

11. SOIL BEARING CAPACITY SHOULD BE AT LEAST 1500 PSF (ASSUMED). PLEASE VERIFY IN FIELD.

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SION 7: THERMAL & MOISTURE PROTECTION	DIVISION 6: WOOD, PLASTICS AND COMPOSITES CONT.	DIVISON 3: CONCRETE & FOUNDATIONS
IP PROOFING: NE HEAVY COAT OF ASPHALT EMULSION SHALL BE APPLIED TO AL BELOW GRADE	7. WHEN FRAMING END TO END JOIST SHALL BE SECURED TOGETHER BY METAL STRAPS.	CONCRETE: 1. THE CONCRETE PROPERTIES SHALL BE AS FOLLOWS:
LLS AT BASEMENT CONDITIONS.	8. ALL RAFTERS AND JOISTS FRAMING FROM OPPOSITE SIDES SHALL LAP AT LEAST THREE (3) INCHES AND BE SPIKED TOGETHER.	ITEM MINIMUN STRENGTH FOOTINGS 3000 PSI @ 28 DAYS
KNOWN TO EXIST, EXTERIOR FOUNDATION WALLS THAT RETAIN EARTH AND CLOSE HABITABLE OR USABLE SPACES LOCATED BELOW GRADE SHALL	9. DO NOT ALTER SIZES OF MEMBERS NOTED WITHOUT APPROVAL OF STRUCTURAL ENGINEER/ARCHITECT.	WALLS 3000 PSI @ 28 DAYS INTERIOR SLAB-ON-GRADE 3000 PSI @ 28 DAYS
TERPROOFED WITH A MEMBRANE TO FINISHED GRADE. THE MEMBRANE SHALL INSIST OF 2-PLY HOT MOPPED FELTS. THE JOINTS IN THE MEMBRANE SHALL BE	10. FASTENERS TO BE IN ACCORDANCE WITH IRC FASTENER SCHEDULE FOR STRUCTURAL MEMBERS R602.3(1).	GARAGE SLAB-ON-GRADE 3500 PSI @ 28 DAYS (5% AIR -ENTRAINED) EXTERIOR SLAB-ON-GRADE 3500 PSI @ 28 DAYS (5% AIR-ENTRAINED)
PED MEMBRANE (PER IRC R406.1 & R406.2). XTEND DAMP PROOFING DOWN TO BASE OF FOOTING U.N.O.	CUTTING OF BEAMS, JOIST AND RAFTERS:	2. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI-318-99, SPECIFICATIONS FOR STRUCTUAL CONCRETE FOR BUILDINGS.
AP WALL VAPOR BARRIER OVER DAMP PROOFING. CONDITIONS CONTAIN SUNLIGHT EXPOSED DAMP PROOFING BETWEEN GRADE AND	1. NO STRUCTURAL MEMBER SHALL BE OMITTED; NOTCHED, CUT, BLOCKED OUT OR RELOCATED WITHOUT PRIOR APPROVAL BY THE DESIGNER.	3. ALL CONCRETE SLABS ON GRADE SHALL BE A MINIMUN OF 4" THICK ON 6 MIL POLYETHYLENE FILM WITH 6X6 W.W.F AT MID SLAB.
COMMENDED BY MANUFACTURER. COORDINATE FINISH WITH ARCHITECT TO BE GREY	2. CUTTING OF WOOD BEAMS, JOIST AND RAFTERS SHALL BE LIMITED TO CUTS AND BORED HOLES NOT DEEPER THAN ONE-SIXTH (1/6TH) THE DEPTH OF THE MEMBER AND	4. FILL UNDER SLABS AND FOOTINGS SHALL BE APPROVED BACKFILL MATERIAL AT COMPACTION IN 6" LAYERS.
	LOCATED CLOSER TO SUPPORTS THAN THREE TIMES THE DEPTH OF THE MEMBER	5. BACKFILL TO BE OF APPROVED MATERIAL.
BERGLASS SHINGLES SHALL BE INSTALL OVER 1 LAYER OF 15# ASPALT SATURATED	SHALL NOT EXCEED ONE-THIRD (1/3RD) THE DEPTH OF THE JOIST.	1. REINFORCINE STEEL SHALL BE INTERMEDIATE GRADE NEW BILLET DEFORMED BA
SHING:	BRIDGING: 1. WHERE JOIST DEPTH EXCEEDS TWELVE NOMINAL INCHES THERE SHALL BE NOT LESS	 2. ALL STEEL REINFORCEMENT FY = 60 KSI 3. DETAILING, FRABRICATING AND PLACING OF REINFORCEMENT SHALL BE IN
LL FLASHING TO BE OF THE APPROVED CORROSION- RESISTIVE TYPE AND SHALL BE DVIDED WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR	THAN ONE LINE OF BRIDGING IN EVERY EIGHT FEET OF SPAN IN FLOOR, ATTIC AND ROOF FRAMING THE BRIDGING SHALL CONSIST OF NOT LESS THAN ONE BY THREE INCH	ACCORDANCE WITH ACI-315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES". FURNISH SUPPORT BARS AND ALL REQUIR
OR ASSEMBLY OR WOOD-FRAMED CONSTRUCTION. FLASH AND CAULK WOOD MS AND OTHER PROJECTIONS THROUGH EXTERIOR WALLS OR ROOF SURFACES.	LUMBER DOUBLE NAILED AT EACH END OR OF EQUIVALENT METAL BRACING OF EQUAL RIDGIDITY.	ACCESSORIEES IN ACCORDANCE WITH CRSI STANDARDS. 4. ALL REINFORCING BARS WHICH INTERCEPT PERPENDICULAR ELEMENTS SHALL
LL FLASING, COUNTER FLASHING AND COPING WHEN OF METAL SHALL BE OF NOT S THAN NO.26 U.S GAUGE APPROVED CORROSION RESISTANT METAL.		TERMINATE IN BOOKS, PLACED TWO (2) INCHES CLEAR FROM OUTER FACE OF ELEMENT.
ROVIDE METAL FLASHING ABOVE ALL WINDOWS, DOORS & CAPITALS. ROVIDE EAVE FLASHING AND DRIP EDGE FLASHING AT THE ROOF EDGES.	GRADED IN ACCORDANCE WITH "PRODUCT STANDARD P-1-65" FOR 80FT PLYWOOD-	5. CONTRACTOR SHALL NOTIFY THE BUILDING OFFICIAL OR APPROVED ENTITY AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO EACH CONCRETE POUR. NO CONCRETE SHALL BE DIACED LINTIL ALL DEINEODOING HAS BEEN INSTALLED BY THE
OF VENTILATION: ROVIDE CONTINOUS RIDGE AND EAVE WITH A TOTAL NET FREE VENTILATING AREA	2. EACH PLYWOOD SHEET SHALL BEAR THE "APA" GRADE TRADEMARK. 3. ALL END JOINTS SHALL BE STAGGERED AND SHALL BUTT ALONG THE CENTER LINES	CONTRACTOR AND INSPECTED BY THE BUILDING OFFICIAL. 6. SEE FOUNDATION PLANS. DETAILS AND TYPICAL WALL SECTION FOR REINFORCE
NOT LESS THAN 1 TO 150 OF THE AREA OF SPACE TO BE VENTILATED. PROVIDE A MINIMUM OF 1" SPACE BETWEEN THE ROOF	OF FRAMING MEMBERS. 4.THE FACE GRAIN OF THE PLYWOOD SHALL BE LAID AT RIGHT ANGLES TO THE JOISTS	QUANTITIES AND SIZES. 7. PROTECTIVE COVERAGE FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
ATING AND INSULATION. NCLOSED ATTIC TRUSS SPECIES AND ENCLOSED ROOF RAFTERS SHALL HAVE A	AND TRUSSES AND PARALLEL TO THE STUDS. 5. NAILS SHALL BE PLACED 3/8" MINIMUN FROM THE EDGE OF THE SHEETS. THE MINIMUM	LOCATION MINIMUN COVERAGE FOOTINGS 3"
DSS VENTILATION FOR EACH SEPERATE SPACE WITH SCREENED VENTILATION ENINGS PROTECTED AGAINST THE ENTRANCE OF MOISTURE AND RAIN IN	NAIL PENETRATION INTO FRAMIMG MEMBERS SHALL BE 1-1/2" FOR 8D NAILS AND 1-3/8" FOR 10D NAILS.	BEAMS AND COLUMNS 2" SLABS* 3/4"
CORDANCE WITH IRC CODE, LATEST EDITION.	6. ALL FLOORS SHALL BE GLUED/SCREW WITH #12 WOOD SCREWS AT 6" O.C. ON DIRECT EDGES AND AT 10" O.C AT INTERMEDIATE.	WALLS (INTERIOR FACE) 2" WALLS (EXTERIOR FACE) 2" *WIDE MECHTO DE DI ACED AT MID DEDTILIOE CLAD
ISTALL R.I.F.S IN STRICT ACCORDANCE TO THE MANUFACTURES SPECIFICATIONS	WALLS:	FOUNDATION
SPONSIBILITY OF THE INTALLATION CONTRACTOR TO INSURE THAT ALL FLASHING IN LACE TO PREVENT THE ENTRY OF WATER OR MOISTURE.	1/8" & 9' - 1 1/8" CEILING HGT. OR DBL STUD @ 16" O.C OR SINGLE STD @ 12" O.C W/10'- 1 1/8" CEILING HGT UNLESS OTHERWISE	1. FOOTINGS DEPTHS ARE SHOWN ON THE SECTION UNLESS OTHERWISE NOTED, FOOTINGS SHALL BEAT A MINIMUN OF 12" INTO ORIGINAL UNDISTURBED SOIL AND A
JLATION:	NOTED. 2. ALL INTEIOR BEARING WALLS SHALL BE 2 X 4 (SPF STUD GRADE) @16" O.C UNLESS	MINIMUN OF 24" BELOW FINISHED GRADE. 2. WHERE REQUIRED STEP FOOTINGS TO RATIO OF 2 HORIZONTAL TO 1 VERTICAL.
HE FOLLOWING INSULATION SHEDULE WILL BE USED UNLESS OTHERWISE NOTED: LOCATION R-VALUE/TYPE	NOTED OTHERWISE. 3. ALL INTERIOR NON-BEARING WALLS TO BE 2 X 4 (SPF STUD GRADE) SINGLE TOP PLATE	3. ALL FOOTING EXCAVATIONS SHALL BE INSPECTED BY THE BUILDING OFFICIAL PR TO THE PLACING OF ANY CONCRETE. THE BUILDING OFFICIAL SHALL BE GIVEN NOT
SILL PLATE 1/2" FOAM SILL SEALER PERIMETER R-10 CLOSED CELL EXTRUDED POLYSTYRENE	@ 24" O.C UNLESS NOTED OTHERWISE. 4. ALL BEARING WALLS TO BE 2 X 4 (SPF) DOUBLE TOP PLATES, LAPPED AT ALL CORNERS	FOR THIS OBSERVATION. 4. USE BRICK PATTERN FORMS ON ALL EXPOSED CONCRETE FOUNDATION WALLS.
FOUNDATION WALL R-13 FLAME SPREAD BATT (FULL HEIGHT) EXTERIOR WALL R-19 BATT 2X6 (2X4 R-15 BATT)	AND INTERSECTIONS AND STAGGER SPLICE 48" O.C AND LOCATE OVER WALL STUDS. 5. ALL EXTERIOR CORNERS SHALL BE BRACE WITH 1 X 4 DIAGONALS, LET INTO STUDS,	5. PROVIDE 4" CONCRETE PAD FOR EXTERIOR HVAC UNIT, PROVIDE PIPE/CONDUIT SLEEVES AS REQUIRED BY MANUFACTURER.
FLOOR AND SOFFIT R-30 FLAT CEILING R-38 BATT OR BLOWN	THICKNESS TO MATCH THAT OF SHEATING, OR WITH METAL BRACING OF EQUAL	DIVISION 4: MASONRY
	6. PROVIDE ADDITIONAL STUDS AT CONCENTRATED LOAD LOCATION TO MATCH NUMBER OF STUDS ABOVE AND EXTEND TO FOUNDATION.	1. SOLID MASONRY WALLS TO HAVE "DUR-OR-WALL" (OR APPROVED EQUAL) TRUS
DOWS:	7. NOTCHES OR BORED HOLES IN STUDS OF BEARING WALLS OR PARTITIONS SHALL NOT BE MORE THAN ONE-THIRD THE DEPTH OF THE STUD.	TIES AT 16" O.C VERTICAL ABOVE GRADE AND 8" O.C VERTICAL BELOW GRADE.
LL WINDOWS SHALL HAVE INSULATION GLASS. IZES INDICATED ON PLANS ARE NOMINAL ONLY. BUILDER TO CONSULT WITH WINDOW	8. THE FOLLOWING JACK/STUD SCHEDULE WILL BE USED UNLESS OTHERWISE NOTED: <u>EXTERIOR BEARING WALLS (MINIMUM UNLESS NOTED)</u> :	2. BRICK VENEER WALLS TO HAVE NON-CORROSIVE METAL TIES AT 16" O.C VERTICALLY AND HORIZONTALLY. 3. PROVIDE ELASHING AT THE TOP, BOTTOM AND SIDES OF ALL OPENINGS AND BAS
NUFACTURER TO DETERMINE EXACT SIZES, ROUGH OPENINGS, ETC. VERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE WINDOW OR	OPENING WITH ROOF ROOF & ROOF &2 ROOF ONLY 1 FLOOR FLOORS	WITH WEEP HOLES AT 24" O.C. 4. PROVIDE AT LEAST 8" OF SOLID MASONRY UNDER CONCENTRATED LOADING
ERIOR DOOR APPROVED FOR EMERGENCY EGRESS OR RESCUE. (HERE WINDOW ARE PROVIDED AS A MEANS OF EGRESS OR RESCUE THEY SHALL	0P 10 3-0 13 & 15 13 & 15 13 & 15 3'-0" TO 5'-0" 1J & 1S 1J & 1S 2J & 1S 5' 0" TO 7' 0" 2J & 1S 2J & 2S	CONDITIONS. 5. MORTAR TO CONFORM TO ASTM C270, TYPE N.
LL EGRESS OR RESCUE WINDOW FROM SLEEPING ROOMS MUST HAVE A MINIMUM	7-0" TO 9'-0" 2J & 1S 2J & 1S 2J & 2S 9'-0" TO 12'-0" 2J & 1S 2J & 1S 3J & 2S	DIVISION 5: METALS
ENSION SHALL BE 20 INCHES AND HEIGHT OF 41 INCHES IF 20INCHES WIDTH IS USED.	INTERIOR BEARING WALLS (MINIMUM UNLESS NOTED):	1. STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE 9TH EDIT
IPERED GLASS LOCATIONS: FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE	OPENING 1 FLOOR 2 FLOOR UP TO 3'-0" 1J & 1S 1J & 1S	OF A.I.S.C. MANUAL OF STEEL CONSTRUCTION. STRUCTURAL STEEL SHALL CONFOR TO ASTM A-36. STEEL FOR PIPE COLUMNS SHALL BE OF EQUIVALENT CAPACITY AND
RPOSES OF GLAZING AND SHALL BE TEMPERED GLASS: LAZING IN ALL DOORS.	3'-0" TO 5'-0" 2J 7 1S 2J & 2S 6'-0" TO 9'-0" 2J & 1S 3J & 2S	AMERICAN WELDING SOCIETY CODE AND BE PERFORMED BY WELDERS QUALIFIED
EAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE NEAREST VERTICAL EDGE IS WITHIN A 24" ARC OF THE DOOR IN A CLOSED POSITION	WHERE J = JACK UNDER HEADER S = STUD NAILED TO JACK ALONG SIDE HEADER	A-5.20 E-70 SERIES. 2. PROVIDE BASE PLATE FOR ALL STRUCTURAL STEEL BEAMS BEARING ON CONCR
RFACE.	NOTE: ALL JACKS AND STUDS ASSUMED TO BE 2 X 4 SPF-STUD GRADE OR BETTER WITH MAXIMUM WALL HEIGHT OF 9'-1 1/8". ALL JACKS AND STUDS TO BE GLUED AND NAILED	OR MASONRY. PROVIDE STANDARD ANGLE ANCHORS AND INSERTS, TIES, CLIPS, ANCHORS,STRAPS, HANGERS, BOLTS, AND OTHER HARDWARE AND FASTENING
DMS, BATHTUBS AND SHOWERS, GLAZING IN ANY PART OF A BUILDING WALL CLOSING THESE COMPARTMENTS WHERE THE BOTTOM EDGE OF THE GLAZING IS	W/16D NAILS AT 8" O.C.	DEVICES AS MAY BE REQUIRED. 3. STEEL COLUMNS, LINTELS, BEAMS AND RAILINGS SHALL HAVE A SHOP COAT OF F
S THAN 60 INCHES ABOVE THE DRAIN INLET. LAZING IN AN INDIVIDUAL FIXED OR OPERABLE WINDOWS THAT MEETS ALL OF THE	FIRE STOPPING: 1. FIRE STOPPING SHALL BE PROVIDED TO CUTOFF ALL-CONCEALED DRAFT OPENINGS (ROTHLY/EDTICAL AND HODIZONTAL) IN THE	4. METAL RAILING TO WITHSTAND 200LB PER LINEAR FOOT FORCE IN ANY DIRECTIO
A. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9S SQ FT.	FOLLOWING LOCATIONS: A IN AL STUD WALL AND PARTITIONS INCLUDING FORCED SPACES AT FLOOR AND	STEEL COLUMNS:
C. TOP EDGE GREATER THAN 36 INCHES ABOVE THE FLOOR. D. ONE OR MORE WALKING SUFACES WITHIN 36 INCHES HORIZONTALLY OF THE	CEILING LEVELS AND NOT MORE THAN 10'-0" APART B. BETWEEN STAIR STRINGERS AT TOP AND BOTTOM AND BETWEEN STUDS IN LINE	1. 11 GAUE ADJUSTABLE AND FIXED STEEL COLUMNS ARE CONSTRUCTED OF CARB STEEL WITH A MINIMUN YIELD STRENGHT OF 33 KSI AND ULTIMATE STRENGHT OF 4
ZING LL GLAZING IN RAILINGS REGARDLES OF AN AREA OR HEIGHT ABOVE WALKING	WITH STAIR RUN. C. FIRE STOPS, WHEN OF WOOD, SHALL BE 2" NOMINAL THICKNESS AND MAY BE	IN ACCORDANCE WITH ASTM 500 AND MANUFACTURED BY MARSHALL STAMPING COMPANY IN ACCORDANCE WITH BOCA REPORT NO.21-31 AND HAVE A MINIMUN 8".
RFACE. INCLUDED ARE STRUCTUAL BALUSTER PANELS AND NONSTRUCTURAL IN-FILL IELS.	MADE OF GYPSUM BOARD. D. SPACES BETWEEN CHIMNEYS AND WOOD FRAMING SHALL BE FILLED WITH LOOSE	ENCASED IN CONCRETE OR TACK WELDED AFTER INSTALLATION. EACH COLUMN
A OPENINGS IN DOORS THROUGH WHICH A 3-INCH SPHERE IS LINABLE TO PASS	WOOD ROOF TRUSSES:	LOADS AS NOTED ON PLAN.
B. LEADED GLASS PANELS. C. FACETED AND DECORATIVE GLASS.	1. ROOF TRUSS MANUFACTURER TO SUPPLY SHOP DRAWINGS AND ERECTION DRAWINGS AND MUST BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER	FASTENERS: 1. ALL FASTENERS IN EXTERIOR DECKS SHALL BE GALVANIZED.
IC ACCESS:	REGISTERED IN THE GOVERNING JURISDICTION. FLOOR TRUSS MANUFACTURER TO SUPPLY CONNECTION AND BEARING DETAILS, BRIDGING AND BRACING DETAILS WITH	2. ANCHOR BOLTS SHALL BE 1/2" DIAMETER X 10" LONG GALVANIZED (SEE DRAWING FOR PLACEMENT AND SPACING)
THC ACCESS TO BE INSULATED TYPE.	MOMINAL DIMENSIONS, TRUSS CONFIGURATIONS, LUMBER GRADE AND SPECIES AND MAGNITUDES OF FORCE IN ALL MEMBERS.	1/2" BOLTS, 16" O.C TOP AND 32" O.C AT BOTTOM U.N.O. 4 JOIST HANGERS SHALL BE USED TO SUPPORT ALL PURLINS JOISTS AND BEAMS
SION 9: FINISHES	ALL SPANS, DIMENSIONS, PITCHES, ETC. AND SUBMIT SHOP DRAWINGS TO DESIGNER PRIOR TO FABRICATION.	FRAMED OVER SUPPORTING MEMBERS. 5. JOIST HANGERS SHALL BE USED "TECO" UNLESS OTHERWISE NOTED OR AN
SUM WALLBOARD: LL GYPSUM WALLBOARD SHALL BE INSTALLED AND FASTENED IN ACCORDANCE	3. WOOD ROOF TRUSSES TO BE INSTALLED PER MANUFACTURE'S INSTRUCTIONS. 4. WOOD ROOF TRUSSES TO BE BRACED IN ACCORDANCE WITH TPL-BWT LISTED IN IRC	APPROVED EQUAL. 6. MACHINE BOLT AND CARRAGE BOLT HOLES IN WOOD SHALL BE DRILLED 1/16" LA
H THE PROVISIONS OF THE IRC CODE, LATEST EDITION, STATE AND LOCAL CODES. LL EDGES AND ENDS OF GYPSUM WALLBOARD SHALL OCCUR ON THE FRAMING	R602.10.	THAN DIAMETER OF BOLT. 7. LAG SCREWS SHALL BE SQUARE HEAD, OF STRUCTURAL GRADE STEEL, BE PLAC
ABERS EXCEPT THOSE EDGES WHICH ARE PERPENDICULAR TO THE FRAMING ABERS. ALL EDGES OF GYPSUM WALLBOARD SHALL BE IN MODERATE CONTACT	OPEN WEB FLOOR TRUSSES: 1. FLOOR TRUSS MANUFACTURER TO SUPPLY SHOP DRAWINGS AND ERECTION DRAWINGS AND MUST BE SEALED AND SIGNED BY A DROSED SIGNAL ENDINEED	8. BOLTS IN WOOD FRAMING SHALL BE STANDARD MACHINE BOLTS WITH STANDAR
2011 IN CONCEALED SPACES WHERE FIRE RESISTING CONSTRUCTION IS NOT 2011 AUGUSTURE RESISTANT DRYMALL AT TURS AND SHOWERS	REGISTERED IN THE GOVERNING JURISDICTION. FLOOR TRUSS MANUFACTURER TO	9. STEEL PLATE WASHERS SHALL BE AS FOLLOWS: BOLT DIAMETER WASHER SIZE
HE GARGE SHALL BE SEPARATED FROM THE LIVING SPACE BY 5/8" TYPE X GYPSUM	NOMINAL DIMENSIONS. TRUSS CONFIGURATIONS, LUMBER GRADE AND SPECIES AND MAGNITUDES OF FORCE IN ALL MEMBERS.	1/2" 2-1/4" X 5/16" 5/8" 2-1/4" X 5/16"
NCLOSED ACCESSIBLE SPACE UNDER STAIRS SHAL HAVE WALLS AND SOFFITS DTECTED BY ON THE ENCLOSED SIDE WITH 1/2" DRYWALL.	2. BAND BOARD 2 X. CONTINUOUS U.N.O. 3. FLOOR TRUSSES SHALL BE DESIGNED TO ACCOMMODATE HVAC DUCT LAYOUT AS	3/4" 2-5/8" X 5/16" 10. SILL PLATES TO BE ATTACHED TO STEEL BEAMS W/ 1/2" THRU BOLTS STAGGERE
NTING:	INDICATED AN CONVENTIONAL FRAMING AS INDICATED. 4. FLOOR TRUSSES SHALL BE DESIGNED TO LIMIT DEFLECTION TO L/480 LIVE LOAD OR	24" O.C. OR PNEUMATIC FASTEN WITH HILTT"ZF54" PINS W/36MM WASHERS @ 24" O.
AINTING SHAL BE APPLIED ACCORDING THO THE FOLLOWING: LOCATION PAINT TYPE APPLICATION CEILINGS LATEX ELAT 1 COAT BRIMER AND 1 EINISH COAT	DIFFERENT LENGHTS OF WHICH THE DEFLECTION OF THE SHORTEST SPAN SHALL	1. LINTELS. 1. LINTELS SIZES SHALL BE PER THE LINTEL SHEDULE SHOWN ON THE BRICK LINTE DETAIL UN O
WALL LATEX FLAT 1 COAT PRIMER AND 1 FINISH COAT INTERIOR TRIM LATEX 1 COAT PRIMER AND 2 FINISH COAT	WOOD "I"-JOISTS:	
SEMI-GLOSS 1 COAT PRIMER AND 2 FINISH COAT EXTERIOR TRIM EXTERIOR LATEX 1 SHOP COAT PRIMER AND	1. "I"-JOIST MANUFACTURER TO SUPPLY SHOP DRAWINGS AND ERECTION DRAWINGS AND MUST BE SEALED BY A PROFESIONAL ENGINEER REGISTERED IN THE GOVERNING	DIVISION 6: WOOD, PLASTICS AND COMPOSITES
SEMI-GLOSS 2 FINISH COATS	JURISDITION. FLOOR JOIST MANUFACTURER TO SUPPLY CONNCECTION AND BEARING DETAILS, BRIDGING AND BRACING DETAILS, NOMINAL DIMENSIONS AND JOIST LAYOUT	1. ALL JOISTS, RAFTERS, AND HEADERS SHALL BE, UNLESS OTHERWISE NOTED, HE FIR #2 OF EQUAL WITH THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND
SION 11: EQUIPMENT (COORDINATE WITH OWNER) SION 12: FURNISHINGS (COORDINATE WITH OWNER)	2. PROVIDE SOLID MATERIAL, 1 1/4" MINIMUM, AT ALL BAND BOARDS, END CONDITIONS	MODULUS OF ELASTICITY: EXTREME FIBER STRESS: FB=850 PSI (REPETITIVE MEMBER)
SION 13: SPECIAL CONSTRUCTION (NOT USED) SION 14: CONVEYING EQUIPMENT (NOT USED)	3. FLOOR JOISTS SHALL BE DESIGNED TO LIMIT DEFLECTION TO L/480 LIVE LOAD, OR L/720 LIVE LOAD, FOR FLOORS WITH MARBLE, CERAMIC TILE, OR LIMESTONE, FOR SPANS	HURIZUNTAL SHEAK: FV=75 PSI COMPRESSION PERPENDICULAR TO GRAIN: FC=405 PSI MODULUS OF FLASTICITY: F=1 300 000 PSI
SION 21: FIRE SUPPRESSION (NOT USED)	GREATER THAN 14'-0" THE TOTAL LOAD DEFLECTION SHALL NOT EXCEED 7/32" AS SPECIFIED BY THE MARBLE INSTITUTE OF AMERICA.	MOISTURE CONTENT: 19% 2. ALL EXTERIOR LUMBER AND LUMBER IN CONTACT WITH MASONRY AND CONCRET
SION 23: HEATING, VENTING, AND AIR CONDITIONING (HVAC) ECHANICAL SUBCONTRACTOR TO REVIEW DUCT LAYOUTS, CONDENSER LOCATION	4. PROVIDE 2 X 4 CRIPPLES @ ALL INTERIOR BEARING CONDITIONS.	SHALL BE PRESSURE PRESERVATIVE TREATED IN ACCORDANCE WITH AWPA STANDARDS.
ANY CONFLICTS IN THE DESIGN, SIZING OR INSTALLATION OF THE SUSTEM.	DIVISION 22: PLUMBING	3. ALL NAILINGS SHALL COMPLY WITH IRC CODE, LATEST EDITION AND ALL STATE A LOCAL BUILDING CODES.
ARCHITECT OF ANY MECHANICAL AND STRUCTURAL CONFLICTS PRIOR TO	1. PLUMBING AND ASSOCIATED COMPONENTS TO BE COORDINATED, PERMITTED, FURNISHED AND INSTALLED BY G.C. PER STATE AND LOCAL CODES AND REGULATIONS. 2. FOURPMENT TO BE INSTALLED BED MANUEACTURED RECCOMENDATIONS	4. DUILT-UP DEAMS OF JUISTS FURMED BY A MULTIPLE OF 3-PLY OR LESS 2X MEME SHALL BE CONNECTED W/16D NAILS AT 8" O.C 5. BUILD-UP BEAMS FORMED BY 3 PLYS OF LAMINATED VENEED FUMPED SHALL BE
LL WORK SHALL BE IN FULL ACCORDANCE WITH ALL CODES, RULES, AND GULATIONS OF THE GOVERNING AGENCIES.		FASTEN W 3-ROWS 16D NAILS AT 12" O.C ON EACH SIDE OR PER MANUFACTURES RECOMMNENDATION.

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3. ALL KITCHENS AND BATH ROOMS SHALL BE MECHANICALLY VENTED TO THE EXTERIOR.

4. SECURE HVAC EQUIPMENT PER MANUFACTURER RECOMMENDATIONS.

6. BLOCK SOLID AT ALL BEARING SUPPORTS WHERE ADEQUATE LATERAL SUPPORT NOT OTHERWISE PROVIDED.

PER THE UNITED STATES COPYRIGHT LAW COMPENDIOUM OF U.S. COPYRIGHT OFFICE PRACTICES SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL PROPERTY OF THE CREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION.

MINIMUN STRENGTH 3000 PSI @ 28 DAYS 3000 PSI @ 28 DAYS	NOTE: COLUMNS READ FROM RIGHT TO LEFT	
-GRADE 3000 PSI @ 28 DAYS GRADE 3500 PSI @ 28 DAYS (5% AIR -ENTRAINED) I-GRADE 3500 PSI @ 28 DAYS (5% AIR-ENTRAINED) LL CONFORM TO ALL REQUIREMENTS OF ACI-318-99, RUCTUAL CONCRETE FOR BUILDINGS.	1. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL AND SAFE MATTER IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES & REGULATIONS IN ACCORDANCE OF ACCEPTED GOOD PRACTICE. GENERAL CONTRASCTOR IS RESPONSIBLE FOR PRACTICING AND ENFORCING RULES ON CONSTRUCTION SITE.	
ON GRADE SHALL BE A MINIMUN OF 4" THICK ON 6 MIL H 6X6 W.W.F AT MID SLAB.	ARCHITECT WHEN VISITING CONSTRUCTION SITE IS ONLY VISING AS OBSERVER AND NOT RESPONSIBLE FOR SITE OR WORKERS.	
S. PROVED MATERIAL.	2. DIMENSIONS ARE TO FACE OF WOOD FRAMING OR CONCRETE UNLESS OTHERWISE NOTED.	
IALL BE INTERMEDIATE GRADE NEW BILLET DEFORMED BARS	3. ALL INSTALLATIONS SHALL BE PERFORMED IN A STRICT ACCORDANCE W/THE MATERIAL, EQUIPMENT, AND OR MANUFACTURERS SPECIFICATIONS.	
615. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. MENT FY = 60 KSI NG AND PLACING OF REINFORCEMENT SHALL BE IN	4. DIMENSIONS ARE TO BE TAKEN FROM DIMENSION STRINGS ONLY, DO NOT SCALE	
15 "MANUAL OF STANDARD PRACTICE FOR DETAILING STRUCTURES". FURNISH SUPPORT BARS AND ALL REQUIRED	DESIGNER'S ATTENTION IMMEDIATELY, FOR THE DESIGNER TO RESOLVE.	
S WHICH INTERCEPT PERPENDICULAR ELEMENTS SHALL ACED TWO (2) INCHES CLEAR FROM OUTER FACE OF	5. MATERIALS OR ITEMS IDENTIFIED BY THE A MANUFACTURER'S NAME OR TRADE NAME MAY BE SUBSTITUTED BY A LIKE PRODUCT OF A DIFFERENT MANUFACTURER, ONLY WITH PRIOR APPROVAL OF THE DESIGNER OR OWNER PRIOR TO ORDERING/INSTALLING. CONTRACTOR IS WELCOME AND ENCOURAGED TO SUBMIT	А В С Н І Т Е С Т Ѕ
OTIFY THE BUILDING OFFICIAL OR APPROVED ENTITY AT HOURS PRIOR TO EACH CONCRETE POUR. NO CONCRETE ALL REINFORCING HAS BEEN INSTALLED BY THE CTED BY THE BUILDING OFFICIAL. IS, DETAILS AND TYPICAL WALL SECTION FOR REINFORCED	6. PREMISES SHALL BE LEFT " BROOM CLEAN" AND EXTERIOR SHALL BE COMPLETELY FREE OF DEBRIS UPON COMPLETION OF WORK. ALL SUBCONTRACTORS ARE REQUIRED TO CLEAN PREMISES AND EXTERIOR OF THEIR DEBRIS DAILY, UNLESS	
E FOR REINFORCING STEEL SHALL BE AS FOLLOWS: MINIMUN COVERAGE	SPECIFICALLY EXEMPTED BY OWNER. PARTICULAR EFFORT IS TO BE TAKEN TO MINIMIZE & CLEAN-UP DEBRIS WITHIN EXISTING PREMISES, ON A DAILY BASIS.	
5 2"	7. THERE IS TO BE NO SMOKIN OF ANY KIND IN RESIDENCE FROM COMMENCEMENT OF FRAMING.	
E) 2" FACE) 2"	8. ALL EXTERIOR WALL FRAMING TO BE 2X6 AND INTERIOR WALL FRAMING TO BE 2X4 UNLESS NOTED OTHERWISE NOTED ON THE FRAMING PLANS.	
E PLACED AT MID-DEPTH OF SLAB.	9.G.C TO COORDINATED KITCHEN LAYOUT REQUIREMENTS IN TERMS OF VENTING AND ELECTRICAL POINTS W/FINAL KITCHEN DESIGN AND SELECTED APPLIANCES.	
E SHOWN ON THE SECTION UNLESS OTHERWISE NOTED, MINIMUN OF 12" INTO ORIGINAL UNDISTURBED SOIL AND A NISHED GRADE. P FOOTINGS TO RATIO OF 2 HORIZONTAL TO 1 VERTICAL.	DIVISION 1: GENERAL REQUIREMENTS	10486 COLONEL COURT
ONS SHALL BE INSPECTED BY THE BUILDING OFFICIAL PRIOR CONCRETE. THE BUILDING OFFICIAL SHALL BE GIVEN NOTICE	 WORK PERFORMED SHALL COMPLY WITH THIS GENERAL NOTES UNLESS OTHERWISE NOTED ON PLANS. WORK PERFORMED SHALL COMPLY WITH ALL APPLICABLE LOCAL AND STATE CODES, ORDINANCES AND REGULATIONS. 	MANASSAS VA 20110 (703)420-8141 www.S2RArchitects.com JD@S2RArchitects.com
PAD FOR EXTERIOR HVAC UNIT, PROVIDE PIPE/CONDUIT Y MANUFACTURER.	3. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACOTR AND HIS SUBCONTRACTORS. 4. DISCREPANCIS: THE GC SHALL COMPARE AND COORDINATE ALL DRAWINGS; IF IN THE OPINION OF THE GC A DISCREPANCY EXITS THE GC SHALL PROMPTLY NOTIFY ARCHITECT OF THE DISCREPANCY AND INCLUDE PROPOSED SOLUTION FOR APPROVIAL PRIOR TO PROCEEDING WITH WORK	1103
S TO HAVE "DUR-OR-WALL" (OR APPROVED EQUAL) TRUSS ABOVE GRADE AND 8" O.C	5. OMISSIONS: IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS, THE CONSTRUCTION SHALL BE OF THE SAME	
FO HAVE NON-CORROSIVE METAL TIES AT 16" O.C NTALLY.	APPLICABLE TO CODES, REGULATIONS AND INDUSTRY STANDARDS. 6. ALL WORK IS TO BE PERFORMED IN A PROFESSIONAL, SAFE MANNER AND IN STRICT	
THE TOP. BOTTOM AND SIDES OF ALL OPENINGS AND BASE O.C.	ACCORDANCE WITH CODES, REGULATIONS, MAUFACTURER'S SPECIFICATIONS/RECOMMENDATIONS AND STANDARD PRACTICES.	
TO ASTM C270, TYPE N.	ARE TO THE ROUGH FRAMING U.N.O. 8. DEISGN LOADS:	
IALL CONFORM TO THE REQUIREMENTS OF THE 9TH EDITION EEL CONSTRUCTION. STRUCTURAL STEEL SHALL CONFORM PIPE COLUMNS SHALL BE OF EQUIVALENT CAPACITY AND 501. ALL WELDING SHALL BE IN ACCORDANCE TO THE IETY CODE AND BE PERFORMED BY WELDERS QUALIFIED IN PROCEDURES. ELECTRODES SHALL CONFORM TO ASTM	ROOF LOADS (30PSF LIVE) + (17 PSF DEAD) FLOOR LOADS (40PSF LIVE) + (12 PSF DEAD) FLOOR LOAD SLEEPING AREAS (30 PSF LIVE) + (12 PSF DEAD) DECK LOAD (40PSD LIVE) + (12 PSF DEAD) BALCONIES LOAD (60PSF LIVE) + (12 PSF DEAD) ATTIC LIMITED STORAGE (20PSF LIVE) + (12 PSF DEAD) WIND LOAD = 115 MPH @ 3 SEC.GUST STAIR LOAD = 60 PSF SNOW LOAD = 30 PSF 10 WALL BRACING LISE ONE OF THE FOLLOWING OPTIONS:	DDI DDI SS DRIVE IRGINIA 1
OR ALL STRUCTURAL STEEL BEAMS BEARING ON CONCRETE TANDARD ANGLE ANCHORS AND INSERTS, TIES, CLIPS, ERS, BOLTS, AND OTHER HARDWARE AND FASTENING	A. WOOD STRUCTUAL PANEL SHEATHING WITH A THICKENESS NOT LESS THAN 1/2" (5/8" RECOMMENDED) FOR 16" AND 24" STUD SPACING. WOOD STRUCTUAL PANELS SHALL BE INSTALLED IN ACCORDANCE WITH TABLE R602.3 (3) B. ALTERNATE BRACED WALL PANELS, ALTERNATE BRACED WALL LINES	
JIRED. ELS, BEAMS AND RAILINGS SHALL HAVE A SHOP COAT OF RUST PAINT STAINLESS STEEL OR ALUMINUM ELEMENTS U.N.O. HSTAND 200LB PER LINEAR FOOT FORCE IN ANY DIRECTION	CONSTRUCTED IN ACCORDANCE WITH ONE OF THE FOLLOWING PROVISIONS SHALL BE PERMITED TO REPLACE EACH 4 FEET (1219 MM) OF BRACED WALL PANEL AS REQUIRED BY SECTION R602.10.4. 11. ANY CHANGES TO THE PROJECT REQUIRE WRITTEN REQUEST AND APPROVAL BY ARCHITECT OR APPROPRIATE ENGINEER, ANY CONSTRUCTION CHANGES NOT	
AND FIXED STEEL COLUMNS ARE CONSTRUCTED OF CARBON ELD STRENGHT OF 33 KSI AND ULTIMATE STRENGHT OF 45 KSI. ITM 500 AND MANUFACTURED BY MARSHALL STAMPING CE WITH BOCA REPORT NO.21-31 AND HAVE A MINIMUN 8" X 4" ATES UNLESS NOTED OTHERWISE. SCREW JACK SHOULD BE DR TACK WELDED AFTER INSTALLATION. EACH COLUMN TH THE CAPACITY RATING AND WITHSTAND COMPRESSION N.	CONFORMING TO THIS SET OF DRAWINGS OR REVISED SET OF DRAWINGS NO MATTER HOW SMALL SHALL INDEMNIFIES ARCHITECT AND ENGINEER OF ALL RESPONSIBILITIES AND LIABILITY. OWNER TO ASSUME AND COMPENSATE ARCHITECT AND ENGINEER FOR ALL LITIGATION, FINES AND LAWYER COSTS AND INCLUDING INTEREST ASSOCIATED WITH CHANGES, LITIGATION OR INJURY. 12. G.C. TO SUBMIT SHOP DRAWINGS FOR REVIEW TO ARCHITECT OR ENGINEER. SHOP DRAWINGS TO BE STAMPED AND SIGNED BY THE GC TO CONFORM WITH THE DRAWINGS, INTENDED DESIGN, CODES AND BEST PRACTICES. 13. ANY CHANGES TO DRAWINGS NEED TO BE SUBMITTED TO AND APPROVED BY THE	ALEXA BLEXA BLEXA
ERIOR DECKS SHALL BE GALVANIZED. BE 1/2" DIAMETER X 10" LONG GALVANIZED (SEE DRAWINGS ACING) AVE A MINIMUM EB = 1000 PSL E=1 300 000 PSL WITH 2 ROWS	14. ARCHITECT OR ENGINEER. 14. ARCHITECT RETAINS THE RIGHTS TO THE DESIGN OF THE PROJECT AS INTELLECTUAL PROPERTY PER UNITED STATES COPYRIGHT LAW COMPENDIOUM SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & 923. ARCHITECT RETAINS RIGHTS TO PHOTOGRAPH OR TAKE VIDEO OF THE PROJECT DURING AND AFTER THE CONSTRUCTION. THE ARCHITECT IS GRANTED FAIR RIGHT OF USE OF ANY	
ND 32" O.C AT BOTTOM U.N.O. BE USED TO SUPPORT ALL PURLINS, JOISTS AND BEAMS NOT NG MEMBERS. BE USED "TECO" UNLESS OTHERWISE NOTED OR AN	PHOTOGRAPHS OF THE DESIGN & ARCHITECTURE TO BE USED BY THE ARCHITECT FOR VARIOUS USES INCLUDING STAFF EDUCATION, ADVERTISEMENT, BLOGGING, MARKETING, ETC.	<u> </u>
RRAGE BOLT HOLES IN WOOD SHALL BE DRILLED 1/16" LARGER	DIVISION 2: EXISTING CONDITIONS & DEMOLITION EXISTING CONDITIONS	
SQUARE HEAD, OF STRUCTURAL GRADE STEEL, BE PLACED HE HEAD. NG SHALL BE STANDARD MACHINE BOLTS WITH STANDARD RS OR STEEL PLATE WASHERS. SIZES SHALL BE AS FOLLOWS:	 GC TO FAMILIZARIZE WITH EXISTING SITE, CONDITIONS AND DRAWINGS PRIOR TO BEGINING WORK INCLUDING UTILITIES. NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPRENCISES OR CONDITIONS THAT DIFFER FROM DRAWINGS. ANY CONDITIONS / ELEMENTS TO REMAIN SHALL BE COVERED AND PROTECTED DURING CONSTRUCTION/DEMOLITION. 	GEODOS APR
<u>SHER SIZE</u> 6" 6"	3. ANY ELEMENT/ CONSTRUCTION THAT IS TO BE RELOCATED SHALL BE PHOTOGRAPHED AND RECORED WITH DIMENSIONS TO BE REINSTALLED IN KIND. OBJECTS TO BE RELOCATED ARE TO BE REMOVED CAREFULLY AND STORED	Lic. No. 2311
6" TACHED TO STEEL BEAMS W/ 1/2" THRU BOLTS STAGGERED @ ASTEN WITH HILTI "ZF54" PINS W/36MM WASHERS @ 24" O.C.	PROTECTED FROM DAMAGE AND LABELED. DEMOLITION: 1 GC TO VERIEY EXISTING CONDITIONS TO REMAIN PRIOR TO BEGINING DEMOLITION	08/20/2021
E PER THE LINTEL SHEDULE SHOWN ON THE BRICK LINTEL	 2. PRIOR TO DEMOLTIION GC TO VERIFY UTILITY LINE LOCATIONS AND SERVICES. 3. IF UNANTICIPATED HAZARDS, HAZARDOUS MATERIALS, OBJECTS OR HUMAN REMAINS ARE UNCOVERED DURING DEMOLITION / EARTH REMOVAL THE GC IS TO CEASE WORK AND CONTACT APPROPRIATE AUTHORITIES IMMEDIATELY. 4. EXPOSE ERAMING REIOR TO DEMOLITION 	REVISION DATE
ICS AND COMPOSITES	5. DO NOT DEMOLISH ANY STRUCTURAL COMPONENTS OR SYSTEM THAT IS NOT REFERENCED IN THE DRAWINGS. NOTIFY STRUCTURAL ENGINEER OF ANY	<u>۳</u>
AND HEADERS SHALL BE, UNLESS OTHERWISE NOTED, HEM- E FOLLOWING MINIMUM ALLOWABLE STRESSES AND	STRUCTURAL ELEMENTS THAT ARE NOT INDICATED IN THE DRAWINGS. 6. HAZARDOUS MATERIALS SUCH AS ASBESTOS OR LEAD IF ENCOUNTERED IS TO BE REMIDEATED AS REQUIRED BY LOCAL OR STATE REMIDIATION REGULATIONS.	а влада и странати и страна И странати и стр
: SS: FB=850 PSI (REPETITIVE MEMBER) FV=75 PSI ENDICULAR TO GRAIN: FC=405 PSI	DIVISION 32: EXTERIOR IMPROVEMENTS	
CITY: E=1,300,000 PSI 19% AND LUMBER IN CONTACT WITH MASONRY AND CONCRETE SERVATIVE TREATED IN ACCORDANCE WITH AWRA	1. CONCRETE SLABS AND FOOTINGS CALCULATIONS ARE BASED ON A 1500 PSF VALUE PER (PER CODE) 2. FOOTINGS, FOUNDATIONS, WALLS, AND SLABS SHALL NOT BE PLACED ON MARINE	
MPLY WITH IRC CODE, LATEST EDITION AND ALL STATE AND	3. ANY RADON MITIGATION CONSTRUCTION SHOWN ON THESE PLANS HAS BEEN INCLUDED AT THE DIRECTION OF THE OWNER AND IS NOT WARRANTED BY THE	"
ISTS FORMED BY A MULTIPLE OF 3-PLY OR LESS 2X MEMEBERS (16D NAILS AT 8" O.C	DESIGNER AS TO IT'S EFFECTIVENESS. 4. DO NOT BACKFILL AGAINST THE FOUNDATION WALL UNTIL THE FIRST FLOOR SUBFLOOR IS IN PLACE.	
ED BY 3 PLYS OF LAMINATED VENEER LUMBER SHALL BE AILS AT 12" O.C ON EACH SIDE OR PER MANUFACTURES	5. PROVIDE 4" PERIMETER FOUNDATION DRAIN AROUND THE FOUNDATION WALL AND SLOPE GRADE AWAY FROM THE STRUCTURE A MINIMUN OF 6" IN 10 FEET 6. WHERE CONDITIONS DEVELOP REQUIRING CHANGES IN EXCAVATIONS. SUCH	
ARING SUPPORTS WHERE ADEQUATE LATERAL SUPPORT IS	CHANGES SHALL BE MADE AS DIRECTED BY THE GEO-TECHNICAL ENGINEER	

SPECIFICATIONS

24X36 SHEET, DO NOT SCALE DRAWINGS

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PER THE UNITED STATES COPYRIGHT LAW COMPENDIOUM OF U.S. COPYRIGHT OFFICE PRACTICES SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY S2R ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION.





PC S

		CONCR SOIL EC	ETE REINFORCI QUIVALENT LAT	EMENT SCHEDULE BY E ERAL FLUID PRESSURE	EQUIVALENT SOIL 60 PCF (ACTIVE F	PRESSURE PRESSURE)
WALL HEIGHT (H)	GRADE HEIGHT (G)	MAXIMUM BRICK LEDGE HEIGHT (L)	MAXIMUM WALL THICKNESS (T)	DISTANCE FROM EARTH SIDE FACE OF WALL TO CL OF BAR (d)	SPACING OF VERTICAL WALL REINF. (#4 BARS)	SPACING OF WALL REINF. (#4 BARS)
4' 4' 4' 4'	3' 3' 2' AND LESS 2' AND LESS	12" 24" 0" 48"	7.5" 7.5" 7.5" 9.5"	5.75" 5.75" 5.75" 6.75"	12" O.C. 16" O.C. NONE REQ 16" O.C.	12" O.C. 16" O.C. NONE REQ 16" O.C.





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SCHEDULE - WINDOWS	SCHEDULE - DOORS	DOORS AND FRAME NOTES	24X36 SHEET, DO NOT SCALE DRAWINGS
FLOORTYPEOUNTWIDTHHEIGHTFROM LEVELMANUFACTURERBASEMENT FLOORDH13'-0"4'-0"6'-8"TBDFIRST FLOORDH23'-0"4'-0"7'-0"TBDFIRST FLOORDH13'-0"5'-0"6'-8"TBDSECOND FLOORDH33'-0"4'-0"6'-8"TBDSECOND FLOORDH33'-0"4'-0"6'-8"TBDSECOND FLOORDH43'-0"5'-0"TBDSECOND FLOORDH43'-0"5'-0"TBD	FLOORFLOORTYPECOUNTWIDTHHEIGHTMANUFACTURERFIRST FLOORA12'-4"6'-8"TBDFIRST FLOORCC16'-0"6'-8"TBDFIRST FLOORCO13'-0"7'-0"1000000000000000000000000000000000000	 A. SEE FLOOR PLANS FOR DOOR SWINGS. B. DOORS HIGHER THAN 7' TO HAVE MORTESE HARDWARE. C. PROVIDE 20MINUTE RATED DOORS FROM GARAGE TO INTERIOR. PROVIDE SELF-CLOSING HINGES. D. DO NOT PAINT ALUMNIUM, GLASS OR VINYL DOORS/FRAMES U.N.O. E. FRAMES TO NOT HAVE EXPOSED FASTENERS F. DOORS TO OPERATE SMOOTHLY OVER FINISHED FLOOR. UNDERCUT TO BE 1/4" MAXIMUM UNLESS NOTED OTHERWISE (VERIFY W/ MECHANICAL REQUIREMENTS) G. PAINTED OR STAINED DOORS ARE TO BE FINISHED ON ALL SIDES INCLUDING TOP AND BOTTOM. SMOOTH/SAND ALL SIDES PRIOR TO FINISHING. H. PROVIDE PRIVACY FUNCTION ON RESTROOMS. ENTRY FUNCTION ON 	OFFICIAL COUNTY USE ONLY
		 A. SEE ELEVATIONS FOR WINDOW SWINGS. B. PROVIDE INSECT SCREENS ON OPERABLE WINDOWS. 	Interest of the second
	SEE WINDOW SCHED.	SEE WINDOW SCHED.	REAR AND SECOND STORY ADDITION 1031 CROSS DRIVE ALEXANDRIA VIRGINIA 22302 1031 CROSS DRIVE
	DH (DOUBLE HUNG)	CS (CASEMENT) 2 A020 WINDOW TYPES 1/4" = 1'-0"	GEORGE C. GERBER Lic. No. 2311 REVISION DATE
SEE DOOR SHED. THE SEE DOOR SCHED. SEE DOOR SCHED. THE SEE DOOR SCHED	CO CO ED OPENING) SEE DOOR SCHED. SEE DOOR SCHED. SEE DOOR SCHED. SEE DOOR SCHED. GEB DOOR SCHED. SEE DOOR SCHED. GEB DOOR	SHED. () () () () () () () () () ()	08/20/2021 DOOR AND WINDOW SCHEDULES
		1 DOOR TYPES A020 1/4" = 1'-0"	A020





2 SECOND FLOOR PLAN EXISTING



1 A100

PER THE UNITED STATES COPYRIGHT LAW COMPENDIOUM OF U.S. COPYRIGHT OFFICE PRACTICES SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL WORKS 18 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL WORKS 18 U.S.C. § 101 & SE



REAR AND SECOND STORY ADDITION

1031 CROSS DRIVE ALEXANDRIA VIRGINIA 22302

ABBREVIATIONS

DIM DIMENSION DISP DISPENSER DIV DIVISION (DIVIDED) DN DOWN DS DOWN SPOUT DR DOOR DW DISHWASHER DWGS DRAWINGS DWR DRAWER F FAST EA EACH EJ EXPANSION JOINT EL ELEVATION ELEC ELECTRICAL ELEV ELEVATION ENCL ENCLOSURE ENT ENTRANCE EQ EQUAL EQUIP EQUIPMENT ETR EXISTING TO REMAIN EWC ELEC. WATER COOLER EX EXISTING EXP EXPANSION EXT EXTERIOR FD FLOOR DRAIN FE(C) FIRE EXTINGUISHER FG FINISH GRADE FT FOOT (FEET) FF FINISHED FLOOR FF&E FIXTURE FURNITURE EQUIPMENT FVC FIRE VALVE CABINET FIN FINISH FL FLOOR FLEX FLEXIBLE FLSG FLASHING FLUOR FLUORESCENT FR FRAME FRPF FIRE PROOFING FIRE RETARDANT FRT TREATED FTG FOOTING FUR FURRING FX FIXED WINDOW GA GAUGE GALV GALVANIZED GB GYPSUM BOARD GC GENERAL CONSTRACTOR GL GLASS GR GRADE GWB GYPSUM WALLBOARD HB HOSE BIB HC HOLLOW CORE HD HEAVY DUTY HDWD HARDWOOD HDWR HARDWARE HT HEIGHT HM HOLLOW METAL

HORIZ HORIZONTAL

ABV ACC ACCESS ACOUS ACOUSTICAL AD AREA DRAIN ADJUSTABLE ADJ AFF ABOVE FINISH FLOOR AHU AIR HANDLING UNIT ALT ALTERNATE ALUM ALUMINUM ANCHORS ANC APPROX APPROXIMATE ARCH ARCHITECT AUTO AUTOMATIC AVG AVERAGE B BATHROOM BD BEAD BIT BITUMINOUS BLDG BUILDING BLOCK BLK BLOCKING BLKG BM BEAM BO BY OWNER BOT BOTTOM BRD BOARD BRKT BRACKET BUILDING SETBACK BSL LINE BSMT BASEMENT BU BUILT UP CABINET CAB CEM CEMENT CF CUBIC FOOT (FEET) CAST IRON CL CJ CONTROL JOINT CLG CEILING CLL CONTRACT LIMIT LINE CL CLOSET CLR CLEAR CMU CONCRETE MASONRY UNIT CNR CORNER CH CONCRETE HEADER CO CLEAN OUT COL COLUMN CONC CONCRETE CONST CONSTRUCTION CONT CONTINUOUS CS COURSES CS CASEMENT WINDOW CT CARPET CTR CENTER CTSK COUNTER SUNK DBL DOUBLE DEPT DEPARTMENT DET DETAIL DF DRINKING FOUNTAIN DH DOUBLE HUNG DIA DIAMETER DIFF DIFFUSER

AB ANCHOR BOLT

ABOVE

HP HIGH POINT HVAC HEATING VENT, AIR COND ID INSIDE DIAMETER INSUL INSULATION INST INSTALLATION INT INTERIOR JAN JANITOR JST JOIST JT JOINT KD KNOCK DOWN KIT KITCHEN KO KNOCK OUT LAM LAMINATED LAV LAVATORY LP LOWPOINT LIN LINEAR LT LIGHT LW LIGHTWEIGHT MACH MACHINE MAINT MAINTENANCE MATL MATERIAL MAX MAXIMUM MDF MEDIUM DENSITY FIBERBOARD MECH. MECHANICAL MEMB MEMBRANE MET METAL MTL METAL MEZZ MEZZANINE MFR MANUFACTURER MIN MINIMUM MISC MISCELLANEOUS MLDG MOLDING MO MASONRY OPENING MOD MODIFIED MTD MOUNTED NIC NOT IN CONTRACT NO NORTH NRC NOISE REDUCTION COEFFICIENT NTS NOT TO SCALE OA OVERALL OC ON CENTER OD OUTSIDE DIAMETER OFF OFFICE OFCI OWNER FURNISHED/ CONTRACTOR INSTALLED OH OVERHEAD OPG OPENING OP HD OPPOSITE HAND OPP **OPPOSITE** PAR PARTIAL PART PARTITION PED PEDESTRIAN P-LAM PLASTIC LAMINATE PLYWD PLYWOOD PNL PANEL POL POLISH (POLISHED) PPT PRESERVATIVE PRESSURE TREATED PR PAIR

PREFAB PREFABRICATED PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PT PAINT PTD PAINTED QT QUARRY TILE QTY QUANTITY RAD RADIUS RD ROOF DRAIN REF REFRIGERATOR REINF REINFORCED (ING) REQUIRED REQ RES RESILIENT REV REVISE (REVISION) RO ROUGH OPENING RTU ROOF TOP UNIT SC SOLID CORE SCHED SCHEDULE SECT SECTION SF SQUARE FOOT (FEET) SHEET SHT SIM SIMILAR SHR SHOWER SL SLIDING SQ SQUARE SSK SERVICE SINK S.STL. STAINLESS STEEL STC SOUND TRANSMISSION CLASS STD STANDARD STL STEEL STN STAIN STOR STORAGE STRUCT STRUCTURAL SUSP SUSPENDED SW SWITCH SYS SYSTEM (T) TEMPERED GLASS/WINDOW TO BE REMOVED TBR TEL TELEPHONE TEMPERED TEMP T&G **TONGUE & GROOVE** THK THICK THR THRESHOLD TV TELEVISION TYP TYPICAL UNDERWRITER'S LABORATORIES UL UNF UNFINISHED UNLESS NOTIFIED OTHERWISE UNO UTILITY UTL VERT VERTICAL VIF VERIFY IN FIELD W WEST WD WOOD WH WATER HEATER W/O WITH OUT WP WATERPROOFING WR WATER RESISTANT WT WEIGHT

SOIL BEA (NOTE: A WITH CO SOIL CLA ROOF LO SNOW L DEAD LC FLOOR I LIVE LOA SLEEPIN FLOOR D ATTIC LIN LIVE LOA DEAD LOA DECK LO LIVE LOA DEAD LO BALCON LIVE LOA DEAD LO STAIRS : 60 PSF WIND LO WIND SPI WIND LO WIND EXI COMPON 140 MPH MAX VAL MAX VAL WALL BE (PRESCR FOUNDA FOUNDA NOTE US CODE SO HANGER ALL HAN MANUFA PER THE THE DESIG ARCHITECTS IS INTELLECTUAL PROPERTY OF THE CREATOR: NOTHING IS BE COPIED. REPRODUCED. TRANSMITTED OR RECREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION.

PER THE UNITED STATES COPYRIGHT LAW COMPENDIOUM OF U.S. COPYRIGHT OFFICE PRACTICES SECTION 903.2: ARCHITECTS, FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJUCED, TRANSMITTED OR RECREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION 903.2: ARCHITECTS, FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION. ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJUCED, TRANSMITTED OR RECREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION.



CODE INFORMATION

BUILDING CODE: 2015 VRC USE GROUP: R-5 SINGLE FAMILY RESIDENTIAL CONSTRUCTION TYPE: (VB WOOD FRAMED CONSTRUCTION) **HEIGHT LIMITATION: 30' MAXIMUN HEIGHT PER ZOINING** AUTOMATIC SPRINKLER SYSTEM (NONE) ENERGY CODE COMPLIANCE (PRESCRIPTIVE)

DESIGN LOADS

SHEET # SHEET NAME SHEET # SHEET NAME IGHT) A001 COVER SHEET A002 GENERAL SPECIFICATION A003 DEMOLITION PLAN A010 FOUNDATION PLAN A011 DETAILS - FOUNDATION & A020 DOOR AND WINDOW SCHI A100 EXISTING PLANS A101 FIRST FLOOR AND SECON A200 FRONT, LEFT, RIGHT AND A200 FRONT, LEFT, RIGHT AND A200 FRONT, LEFT, RIGHT AND A300 BUILDING SECTIONS, WAI A301 BUILDING SECTIONS & DE A410 WIND BRACING & DETAILS A420 DETAILS - FLASHING, HEA E101 LIGHTING & DOWER 1ST
SED CELL IGHT) A001 COVER SHEET A002 GENERAL SPECIFICATION A003 DEMOLITION PLAN A010 FOUNDATION PLAN A010 FOUNDATION PLAN A011 DETAILS - FOUNDATION & A020 DOOR AND WINDOW SCHI A100 EXISTING PLANS A101 FIRST FLOOR AND SECON A200 FRONT, LEFT, RIGHT AND A200 FRONT, LEFT, RIGHT AND A410 WIND BRACING & DETAILS A420 DETAILS - FLASHING, HEA E101 LIGHTING & DOWER 1ST
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A001 COVER SHEET A002 GENERAL SPECIFICATION A003 DEMOLITION PLAN A010 FOUNDATION PLAN A011 DETAILS - FOUNDATION & A020 DOOR AND WINDOW SCHI A100 EXISTING PLANS A101 FIRST FLOOR AND SECON A200 FRONT, LEFT, RIGHT AND ALUE A301 BUILDING SECTIONS, WAI A301 BUILDING SECTIONS & DE A410 WIND BRACING & DETAILS A420 DETAILS - FLASHING, HEA E101 LIGHTING & DOWER 1ST
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A200 FRONT, LEFT, RIGHT AND A300 BUILDING SECTIONS, WAI A301 BUILDING SECTIONS & DE A400 TYP. WALL SECTIONS ANI A410 WIND BRACING & DETAILS A420 DETAILS - FLASHING, HEA E101 LIGHTING & DOWER 1ST
A300BUILDING SECTIONS, WAIA301BUILDING SECTIONS & DEA301BUILDING SECTIONS & DEA400TYP. WALL SECTIONS ANIA410WIND BRACING & DETAILSA420DETAILS - FLASHING, HEAE101LIGHTING & DOWER, 1ST
A301 BUILDING SECTIONS & DE A400 TYP. WALL SECTIONS ANI A410 WIND BRACING & DETAILS A420 DETAILS - FLASHING, HEA E101 LIGHTING & DOWER 1ST
A400 TYP. WALL SECTIONS AND A410 WIND BRACING & DETAILS A420 DETAILS - FLASHING, HEA E101 LIGHTING & DOWER 1ST
A400 TTP: WALL SECTIONS AND A410 WIND BRACING & DETAILS A420 DETAILS - FLASHING, HEA E101 LIGHTING & DOWER 1ST
A410 WIND BRACING & DETAILS A420 DETAILS - FLASHING, HEA E101 LIGHTING & DOWER 1ST
A420 DETAILS - FLASHING, HEA
E102 LIGHTING & POWER - 2ND
M100 MECHANICAL -2ND FLOOF
P100 PLUMBING - FLOOR PLAN
PTUT PLUMBING - FLOOR PLAN
S101 FRAMING PLANS
S102 ROOF FRAMING PLANS
S200 TIPS DETAILS
3200 1313 DETAILS
5/8 TYPE X
S & FIRE

ARCHITECT JOSE (JOE) DASILVA 10486 COLONEL COURT MANASSAS VA, 20110 (703)420-8141

OFFICIAL COUNTY USE ONLY

Ι Β C Η I T E C T S 0486 COLONEL COUR **MANASSAS VA 2011** (703)420-8141 www.S2RArchitects.com ID@S2RArchitects.con 30 ő CR(RIA \mathbf{c} Ζ 0 4 O Ш Ш S GEORGE C. GERBEP Lic. No. 2311 DATE REVISION 08/20/2021 COVER SHEET A001

BUILDING DATA

BASEMENT EXISTING : 774 SF FIRST FLOOR EXISTING : 774 SF SECOND FLOOR EXISTING: 278 SF FIRST FLOOR PROPOSED : 231 SF SECOND FLOOR PROPOSED : 721 SF

TOTAL BUILDING SQUARE FEET : 2,500 SF

SHEET INDEX

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EDULES

ND FLOOR PLAN **REAR ELEVATIONS** LL SECTION & DETAILS ETAILS **ID DETAILS**

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DIVISION 10: SPECIALTIES

FIREPLACES:

1. PREFAB FIREPLACES, SHALL BE U.L. APPROVED AND BE INSTALL PER IRC CODE. 2. EXHAUST TO THE OUTSIDE PER CODE AND MANUFACTURER RECCOMENDATION.

CLOSET SHELVES /TOWELS BARS:

1R/1S CLOSET SHELVELS @ 68" A.F.F. 2R/1S CLOSET SHELVES @ 42" & 84" A.F.F

LOCATE DBL TOWEL BARS @ 38" & 68" A.F.F LOCATE SINGLE TOWE BARS @ 38" A.F.F SET 18" TOWEL BARS @ 24" ABOVE VANITY TOP

STAIRWAYS:

1. THE MAXIMUM RISER HEIGHT SHALL BE 8 1/4" AND MINIMUM TREAD WIDTH OF 9". 2. STAIRWAYS SHALL NOT BE LESS THAN 36" IN CLEAR WIDTH AND HEADROOM OF NOT LESS THAN 6'-8". THE MINIMUM AT THE HANDRAIL SHALL NOT BE LESS THAN 32" WITH A HAND RAIL ON ONE SIDE AND 28" WITH A HAND RAIL ON BOTH SIDES.

3. ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS AND SOFFITS PROTECTED BY ON THE ENCLOSED SIDE WITH 1/2" DRYWALL. 4. HEIGHT OF HADRAIL (R315.1)- TO BE NOT LESS THAN 34" & NOT GREATER THAN 38" IN

HEIGHT. 5. HANDRAIL SIZE (R315.2) - TO BE NOT LESS THAN 1 1/4" & NOT GREATER THAN 2" IN DIAMETER.

GUARDRAILS

1. PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE

GUARDRAILS NOT LESS THAN 36 INCHES IN HEIGHT. 2. OPEN SIZES OF STAIRS WITH A TOTAL RISE OF MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDRAISL NOT LESS THAN 34 INCHES IN

HEIGHT MEASURED VERTICALLY FROM THE NOSING OF THE TREADS. 3. REQUIRED QUARDRAILS ON OPEN SIDES OF STAIRWAYS, RAISED FLOOR AREAS,

BALCONIES AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL CLOSURES WHICH WILLNOT ALLOW PASSAGE OF A SPHERE 4 INCHES IN DIAMETER.

4. EXCEPTION THE TRIANGULA OPENINGS FORMED BY THE RISER, TREAD AND BOTTOM RAIL OF A GUARD AT THE OPEN SIDE OF A STAIRWAY MAY BE OF SUCH A SIZE THAT A SPHERE 6 INCHES IN DIAMETER CANNOT PASS THROUGH. 5. RAILING TO WITHSTAND FORCE OF 200LB PER LINEAR FOOT IN EACH DIRECTION.

DIVISION 25: INTEGRATED AUTOMATION (NOT USED)

DIVISION 26. ELECTRICAL 1. ALL WORK SHALL BE IN FULL ACCORDANCE WITH ALL CODES, RULES AND

REGULATIOS OF GOVERNING AGENCIES AND SHALL COMPLY WITH THE

REQUIREMENTS OF THE SERVING POWER AND TELEPHIONE COMPANIES. 2. SMOKE DETECTORS SHALL BE INSTALLED IN EACH SLEEPING ROOM OUT SIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS AND ON EACH ADDITIONAL STORY

PER IRC CODE. LATEST EDITION. 3.ALL EQUIPMENT INTALLED OUTDOORS AND ESPOSED TO WEATHER SHALL BE WEATHER-PROOF

4. RECEPTACLES AT REFRIGERATOR, KITCHEN COUNTERS AND BATHROOM OTHERWISE NOTED ON DRAWINGS.

5. BEDTOOM ELECTRICAL RECEPTACLES EQUIPPED WITH ARC FAULT INTERRUPTERS. (E3802.9)

6. PROVÍDE TWO GROUNDING RODS FOR ELECTRICAL SERVICE. THE PLANS AND SPECIFICATIONS ARE NOT INTENDED TO DEPICT EACH AND EVERY CONDITION OR DETAIL OF CONSTRUCTION. AS THE KNOWLEDGEABLE PARTY IN THE FIELD. THE CONTRACTOR IS IN THE BEST POSITION TO VERIFY THAT ALL CONSTRUCTION IS COMPLETED IN A MANNER WHICH WILL PROVIDE A WATERTIGHT STRUCTURE THE CONTRACTOR HAS A SOLE RESPONSIBILITY FOR ENSURING THE WATERTIGHT INTEGRITY OF THE STRUCTURE.

DIVISION 27: COMMUNICATIONS (COORDINATE WITH OWNER) DIVISION 28: ELECTRONIC SAFETY AND SECURITY (COORDINATE WITH OWNER) DIVISION 48: ELECTRICAL POWER GENERATION (COORDINATE WITH OWNER)

UNDERPINNING NOTES:

UNDERPINNING WORK SHALL BE PERFORMED BY A LICENSED, BONDED AND INSURED SPECIALTY CONTRACTORS HAVING BONDED AND INSURED SPECIALTY CONTRACTORS HAVING EXPERIENCE UNDER SIMILAR SITUATION AND REGULARLY ENGAGED IN THIS TYPE OF WORK.

2. CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS FOR ANY CONFLICTS WITH THE EXISTING FIELD CONDITIONS, RESOLVE SUCH CONFLICTS AND COORDINATE COMPATIBILITY OF NEW WORK WITH THE EXISTING CONDITIONS BEFORE PROCEEDING WITH THE UNDERPINNING WORK. PROTECT ALL EXISTING STRUCTURAL AND ARCHITECTURAL BUILDING ELEMENTS AND UTILITIES/SERVICES FROM DAMAGE DURING UNDERPINNING WORK.

3. FOLLOW STRICTLY THE SEQUENCE OF UNDERPINNING IN THE DIRECTION SPECIFIED ON THE PLAN FOR EACH SEQUENCE GROUP DO NOT MOVE TO THE NEXT SEQUENCE GROUP UNTIL ALL SEGMENTS IN THE SEQUENCE UNDERTAKEN ARE UNDERPINNED.

4. LAYOUT AND MARK NUMBERING OF ALL SEGMENTS ALONG THE EXISTING WALL AS SHOWN ON THE PLAN. NOT EXCEED THE LENGTH OF SEGMENTS SPECIFIED ON THE PLAN. COMPLETE UNDERPINNING OF ALL SEGMENTS MARKED AS A'S FIRST, C'S SECOND, B'S LAST. DO NOT OPEN PITS IN THE OTHER SEQUENCE GROUP UNTIL ALL SEGMENTS IN THE SEQUENCE GROUP UNDERTAKEN HAVE BEEN COMPLETED, CURED AND ABLE TO SUPPORT THE EXISTING WALL AND THE LOAD CARRIED BY IT.

5. EXCAVATE THE SEGMENT TO THE DESIGN DEPTH SPECIFIED ON THE DRAWINGS USING MANUAL TOOLS/METHODS. EXCAVATION FOR SEGMENT BEING UNDERPINNED. IF UNSTABLE, SHALL BE BRACE/SUPPORTED IMMEDIATELY. EXCAVATION SHALL BE LIMITED TO THE SEGMENT UNDERTAKEN. DO NOT EXCAVATE THE ENTIRE BASEMENT IN THE BEGINNING. EXCAVATION OF THE ENTIRE BASEMENT TO THE SPECIFIED DEPTH SHALL BE COMPLETED ONLY AFTER ALL UNDERPINNING WORK IS COMPLETED.

6. LIMIT TO A MAXIMUM OF THREE OPEN PITS IN EACH GROUP ON ANY WALL AT ANY TIME.

7. FOR SEGMENT TOT SEGMENT DOWEL INSTALLATION, DRILL HOLES IN THE EXISTING EARTH ON BOTH SIDES OF FOOTING SEGMENTS UNDER TAKEN IF THE EARTH PRESENT IS ON ONE SIDE OF THE SEGMENTS UNDER TAKEN. PROTECT PART OF THE DOWEL IN DIRT WITH A PLASTIC WRAP WHICH SHALL BE REMOVED PRIOR TO PLACING CONCRETE IN ADJACENT SEGMENT. REPEAT PROCESS FOR WALL SEGMENTS. THOROUGHLY CLEAN CONCRETE SURFACES OF UNDERPINNED FOOTINGS AND WALL SEGMENTS ALREADY COMPLETED AND TO BE IN CONTACT WITH NEW WORK (NEW SEGMENT, DRY PACK, ISOLATION JOINT MATERIALS, ETC.) OF ALL LOOSE MATERIALS AND DIRT FORM. PLACE REINFORCEMENT INCLUDING DOWELS, CONSTRUCTION JOINT KEYS BETWEEN SEGMENTS, RX WATER STOPS AND DOWELS FOR THE SEGMENTS UNDERTAKEN PLACE, VIBRATE AND CONSOLIDATE CONCRETE TO FILL ALL VOIDS. PLACE ENOUGH CONCRETE TO MAKE SURE THAT THE VOID SPACE ON THE ADJOINING NEIGHBOR'S SIDE IS COMPLETELY FILED.

8. DRY PACKING SHALL BE A MINIMUM OF 2 INCHES AND SHALL PROCEED ONLY 48 HOURS MINIMUM AFTER CONCRETE POUR FOR THE SEGMENTS, CONCRETE MUST ACHIEVE 75% OF SPECIFIED 28-DAY DESIGN STRENGTH, ESTABLISHED BY TESTING CONCRETE CYLINDERS AT THREE DAYS OF AGE PRIOR TO REMOVAL OF SHORING/ BRACING SYSTEM FOR THE SEGMENT AND TRANSFERRING WALLS LOADS TO NEW WALL AND FOOTING.

9. FINALLY EXCAVATE THE EXISTING FLOOR SLAB AND EARTH BELOW THE REQUIRED/SPECIFIED DEPTH/ELEVATION. PLACE THE INTERIOR PERIMETER DRAIN PER DETAIL AS SHOWN ON THE DRAWINGS AND CONNECT TO THE SUMP PIT. PREPARE THE SOIL SUB-GRADE THROUGH AT LEAST 95% COMPACTION PER ASTM D698. REPLACE ANY SOFT SOILS WITH COMPACTED APPROVED SOILS OF \$57 CRUSHED STONE OR GRAVEL. PLACE SLAB-ON-GRADE PER CONSTRUCTION DETAILS SHOWN ON THE DRAWINGS.

10. INSTALL A CRACK MONITOR GAUGE ON THE FOUNDATION WALL VERTICALLY BELOW 1ST FLOOR FRAMING, AND PLACE A 4 FT LONG CONSTRUCTION LEVEL ON THE 1ST FLOOR PERPENDICULAR TO PARTY WALLS AT THE SPECIFIED LOCATIONS. CONTACT THE ENGINEER IF ANY MOVEMENT AND/OR CRACK HAPPEN.

11. SOIL BEARING CAPACITY SHOULD BE AT LEAST 1500 PSF (ASSUMED). PLEASE VERIFY IN FIELD.

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SION 7: THERMAL & MOISTURE PROTECTION	DIVISION 6: WOOD, PLASTICS AND COMPOSITES CONT.	DIVISON 3: CONCRETE & FOUNDATIONS
IP PROOFING: NE HEAVY COAT OF ASPHALT EMULSION SHALL BE APPLIED TO AL BELOW GRADE LLS AT BASEMENT CONDITIONS. I AREAS WHERE A HIGH WATER TABLE OR OTHER SEVERE SOIL-WATER CONDITIONS	7. WHEN FRAMING END TO END JOIST SHALL BE SECURED TOGETHER BY METAL STRAPS. 8. ALL RAFTERS AND JOISTS FRAMING FROM OPPOSITE SIDES SHALL LAP AT LEAST THREE (3) INCHES AND BE SPIKED TOGETHER.	CONCRETE: 1. THE CONCRETE PROPERTIES SHALL BE AS FOLLOWS: ITEM MINIMUN STRENGTH FOOTINGS 3000 PSI @ 28 DAYS
E KNOWN TO EXIST, EXTERIOR FOUNDATION WALLS THAT RETAIN EARTH AND CLOSE HABITABLE OR USABLE SPACES LOCATED BELOW GRADE SHALL TERPROOFED WITH A MEMBRANE TO FINISHED GRADE. THE MEMBRANE SHALL NSIST OF 2-PLY HOT MOPPED FELTS. THE JOINTS IN THE MEMBRANE SHALL BE RED MEMBRANE (PER IPC P406 1 & P406 2)	9. DO NOT ALTER SIZES OF MEMBERS NOTED WITHOUT APPROVAL OF STRUCTURAL ENGINEER/ARCHITECT. 10. FASTENERS TO BE IN ACCORDANCE WITH IRC FASTENER SCHEDULE FOR STRUCTURAL MEMBERS R602.3(1).	WALLS 3000 PSI @ 28 DAYS INTERIOR SLAB-ON-GRADE 3000 PSI @ 28 DAYS GARAGE SLAB-ON-GRADE 3500 PSI @ 28 DAYS (5% AIR -ENTRAINED) EXTERIOR SLAB-ON-GRADE 3500 PSI @ 28 DAYS (5% AIR -ENTRAINED) 2. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACL 318 99
XTEND DAMP PROOFING DOWN TO BASE OF FOOTING U.N.O. AP WALL VAPOR BARRIER OVER DAMP PROOFING. CONDITIONS CONTAIN SUNLIGHT EXPOSED DAMP PROOFING BETWEEN GRADE AND ERIOR FINISH PROVIDE EITHER PROTECTIVE COATING OR PROTECTION PANELS AS	CUTTING OF BEAMS, JOIST AND RAFTERS: 1. NO STRUCTURAL MEMBER SHALL BE OMITTED; NOTCHED, CUT, BLOCKED OUT OR RELOCATED WITHOUT PRIOR APPROVAL BY THE DESIGNER. 2. CUTTING OF WOOD BEAMS, JOIST AND RAFTERS SHALL BE LIMITED TO CUTS AND	 2. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI-316-39, SPECIFICATIONS FOR STRUCTUAL CONCRETE FOR BUILDINGS. 3. ALL CONCRETE SLABS ON GRADE SHALL BE A MINIMUN OF 4" THICK ON 6 MIL POLYETHYLENE FILM WITH 6X6 W.W.F AT MID SLAB. 4. FILL UNDER SLABS AND FOOTINGS SHALL BE APPROVED BACKFILL MATERIAL AT
COMMENDED BY MANUFACTURER. COORDINATE FINISH WITH ARCHITECT TO BE GREY MATCH EXTERIOR FINISH/TRIM. DFING:	BORED HOLES NOT DEEPER THAN ONE-SIXTH (1/6TH) THE DEPTH OF THE MEMBER AND SHALL NOT BE LOCATED IN THE MIDDLE ONE-THIRD (1/3TH) OF THE SPAN. NOTCHES LOCATED CLOSER TO SUPPORTS THAN THREE TIMES THE DEPTH OF THE MEMBER SHALL NOT EXCEED ONE-FITH (1/5TH) THE DEPTH. HOLES BORED OR CUT INTO JOIST	COMPACTION IN 6" LAYERS. 5. BACKFILL TO BE OF APPROVED MATERIAL. REINFORCING STEEL:
BERGLASS SHINGLES SHALL BE INSTALL OVER 1 LAYER OF 15# ASPALT SATURATED T. (MINIMUM CLASS C SHINGLES). SHING:	SHALL NOT EXCEED ONE-THIRD (1/3RD) THE DEPTH OF THE JOIST. BRIDGING: 1. WHERE JOIST DEPTH EXCEEDS TWELVE NOMINAL INCHES THERE SHALL BE NOT LESS	 REINFORCINF STEEL SHALL BE INTERMEDIATE GRADE NEW BILLET DEFORMED B. CONFORMING TO ASTM A615. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-1 ALL STEEL REINFORCEMENT FY = 60 KSI DETAILING, FRABRICATING AND PLACING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACL 215 "MANUAL OF STANDARD DRACTICE FOR DETAILING.
DVIDED WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR OR ASSEMBLY OR WOOD-FRAMED CONSTRUCTION. FLASH AND CAULK WOOD MS AND OTHER PROJECTIONS THROUGH EXTERIOR WALLS OR ROOF SURFACES.	FRAMING THE BRIDGING SHALL CONSIST OF NOT LESS THAN ONE BY THREE INCH LUMBER DOUBLE NAILED AT EACH END OR OF EQUIVALENT METAL BRACING OF EQUAL RIDGIDITY.	 ACCORDANCE WITH ACI-STS MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES". FURNISH SUPPORT BARS AND ALL REQUINACCESSORIEES IN ACCORDANCE WITH CRSI STANDARDS. 4. ALL REINFORCING BARS WHICH INTERCEPT PERPENDICULAR ELEMENTS SHALL TERMINATE IN BOOKS, PLACED TWO (2) INCHES CLEAR FROM OUTER FACE OF
S THAN NO.26 U.S GAUGE APPROVED CORROSION RESISTANT METAL. ROVIDE METAL FLASHING ABOVE ALL WINDOWS, DOORS & CAPITALS. ROVIDE EAVE FLASHING AND DRIP EDGE FLASHING AT THE ROOF EDGES.	SUB-FLOOR: 1. ALL PLYWOOD SHALL BE PINE OR EQUAL AND SHALL BE MANUFACTURED AND GRADED IN ACCORDANCE WITH "PRODUCT STANDARD P-1-65" FOR 80FT PLYWOOD- CONSTRUCTION AND INDUSTRIAL.	ELEMENT. 5. CONTRACTOR SHALL NOTIFY THE BUILDING OFFICIAL OR APPROVED ENTITY AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO EACH CONCRETE POUR. NO CONCRETE SHALL BE PLACED UNTIL ALL REINFORCING HAS BEEN INSTALLED BY THE
OF VENTILATION: ROVIDE CONTINOUS RIDGE AND EAVE WITH A TOTAL NET FREE VENTILATING AREA NOT LESS THAN 1 TO 150 OF THE AREA OF SPACE TO BE VENTILATED. PROVIDE A MINIMUM OF 1" SPACE BETWEEN THE ROOF	 2. EACH PLYWOOD SHEET SHALL BEAR THE "APA" GRADE TRADEMARK. 3. ALL END JOINTS SHALL BE STAGGERED AND SHALL BUTT ALONG THE CENTER LINES OF FRAMING MEMBERS. 4. THE FACE GRAIN OF THE PLYWOOD SHALL BE LAID AT RIGHT ANGLES TO THE JOISTS 	CONTRACTOR AND INSPECTED BY THE BUILDING OFFICIAL. 6. SEE FOUNDATION PLANS, DETAILS AND TYPICAL WALL SECTION FOR REINFORCE QUANTITIES AND SIZES. 7. PROTECTIVE COVERAGE FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
ATING AND INSULATION. NCLOSED ATTIC TRUSS SPECIES AND ENCLOSED ROOF RAFTERS SHALL HAVE A DSS VENTILATION FOR EACH SEPERATE SPACE WITH SCREENED VENTILATION ENINGS PROTECTED AGAINST THE ENTRANCE OF MOISTURE AND RAIN IN CORDANCE WITH IRC CODE, LATEST EDITION.	AND TRUSSES AND PARALLEL TO THE STUDS. 5. NAILS SHALL BE PLACED 3/8" MINIMUN FROM THE EDGE OF THE SHEETS. THE MINIMUM NAIL PENETRATION INTO FRAMIMG MEMBERS SHALL BE 1-1/2" FOR 8D NAILS AND 1-3/8" FOR 10D NAILS. 6. ALL FLOORS SHALL BE GLUED/SCREW WITH #12 WOOD SCREWS AT 6" O.C. ON DIRECT	LOCATION MINIMUN COVERAGE FOOTINGS 3" BEAMS AND COLUMNS 2" SLABS* 3/4" WALLS (INTERIOR FACE) 2"
ERIOR INSULATION FINISH SYSTEMS: ISTALL R.I.F.S IN STRICT ACCORDANCE TO THE MANUFACTURES SPECIFICATIONS	EDGES AND AT 10" O.C AT INTERMEDIATE. WALLS:	WALLS (EXTERIOR FACE) 2" *WIRE MESH TO BE PLACED AT MID-DEPTH OF SLAB.
INSTALLATION INSTRUCTIONS. IT IS THE PONSIBILITY OF THE INTALLATION CONTRACTOR TO INSURE THAT ALL FLASHING IN LACE TO PREVENT THE ENTRY OF WATER OR MOISTURE.	1. ALL EXTERIOR BEARING WALLS SHALL BE 2 X 4 (SPF STUD GRADE) @ 16" O.C W/8' - 1 1/8" & 9' - 1 1/8" CEILING HGT. OR DBL STUD @ 16" O.C OR SINGLE STD @ 12" O.C W/10'- 1 1/8" CEILING HGT UNLESS OTHERWISE NOTED. 2. ALL INTEIOR BEARING WALLS SHALL BE 2 X 4 (SPE STUD GRADE) @16" O.C UNLESS	FOUNDATION: 1. FOOTINGS DEPTHS ARE SHOWN ON THE SECTION UNLESS OTHERWISE NOTED, FOOTINGS SHALL BEAT A MINIMUN OF 12" INTO ORIGINAL UNDISTURBED SOIL AND A MINIMUN OF 24" BELOW FINISHED GRADE. 2. WHERE REQUIRED STEP FOOTINGS TO RATIO OF 2 HORIZONTAL TO 1 VERTICAL
HE FOLLOWING INSULATION SHEDULE WILL BE USED UNLESS OTHERWISE NOTED: LOCATION R-VALUE/TYPE SILL PLATE 1/2" FOAM SILL SEALER PERIMETER R-10 CLOSED CELL EXTRUDED POLYSTYRENE	NOTED OTHERWISE. 3. ALL INTERIOR NON-BEARING WALLS TO BE 2 X 4 (SPF STUD GRADE) SINGLE TOP PLATE @ 24" O.C UNLESS NOTED OTHERWISE. 4. ALL BEARING WALLS TO BE 2 X 4 (SPF) DOUBLE TOP PLATES, LAPPED AT ALL CORNERS	 3. ALL FOOTING EXCAVATIONS SHALL BE INSPECTED BY THE BUILDING OFFICIAL PR TO THE PLACING OF ANY CONCRETE. THE BUILDING OFFICIAL SHALL BE GIVEN NOT FOR THIS OBSERVATION. 4. USE BRICK PATTERN FORMS ON ALL EXPOSED CONCRETE FOUNDATION WALLS.
FOUNDATION WALL R-13 FLAME SPREAD BATT (FULL HEIGHT) EXTERIOR WALL R-19 BATT 2X6 (2X4 R-15 BATT) FLOOR AND SOFFIT R-30 FLAT CEILING R-38 BATT OR BLOWN	AND INTERSECTIONS AND STAGGER SPLICE 48" O.C AND LOCATE OVER WALL STUDS. 5. ALL EXTERIOR CORNERS SHALL BE BRACE WITH 1 X 4 DIAGONALS, LET INTO STUDS, OR WITH 4 X 8 STRUCTUAL SHEETING FOR THICKNESS TO MATCH THAT OF SHEATING, OR WITH METAL BRACING OF EQUAL	5. PROVIDE 4" CONCRETE PAD FOR EXTERIOR HVAC UNIT, PROVIDE PIPE/CONDUIT SLEEVES AS REQUIRED BY MANUFACTURER.
CATHEDRAL CEILING R-38 BATT SION 8: OPENINGS (DOORS & WINDOWS)	RIDIDITY. 6. PROVIDE ADDITIONAL STUDS AT CONCENTRATED LOAD LOCATION TO MATCH NUMBER OF STUDS ABOVE AND EXTEND TO FOUNDATION.	1. SOLID MASONRY WALLS TO HAVE "DUR-OR-WALL" (OR APPROVED EQUAL) TRUS
DOWS: LL WINDOWS SHALL HAVE INSULATION GLASS. IZES INDICATED ON PLANS ARE NOMINAL ONLY. BUILDER TO CONSULT WITH WINDOW	 NOTCHES OR BORED HOLES IN STUDS OF BEARING WALLS OR PARTITIONS SHALL NOT BE MORE THAN ONE-THIRD THE DEPTH OF THE STUD. THE FOLLOWING JACK/STUD SCHEDULE WILL BE USED UNLESS OTHERWISE NOTED: <u>EXTERIOR BEARING WALLS (MINIMUM UNLESS NOTED):</u> OPENING WITH ROOF ROOF & ROOF &2 	 VERTICAL BELOW GRADE. 2. BRICK VENEER WALLS TO HAVE NON-CORROSIVE METAL TIES AT 16" O.C VERTICALLY AND HORIZONTALLY. 3. PROVIDE FLASHING AT THE TOP. BOTTOM AND SIDES OF ALL OPENINGS AND BAS
VERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE WINDOW OR ERIOR DOOR APPROVED FOR EMERGENCY EGRESS OR RESCUE. (HERE WINDOW ARE PROVIDED AS A MEANS OF EGRESS OR RESCUE THEY SHALL (E A SILL HEIGHT OF NOT MONE THAN 44 INCHES ABOVE THE FLOOR.	ROOF ONLY 1 FLOOR FLOORS UP TO 3'-0" 1J & 1S 1J & 1S 3'-0" TO 5'-0" 1J & 1S 2J & 1S 5'-0" TO 5'-0" 2J & 1S 2J & 2S	4. PROVIDE AT LEAST 8" OF SOLID MASONRY UNDER CONCENTRATED LOADING CONDITIONS. 5. MORTAR TO CONFORM TO ASTM C270, TYPE N.
LL EGRESS OR RESCUE WINDOW FROM SLEEPING ROOMS MUST HAVE A MINIMUM CLEAR OPENING OF 5.7 SQUARE FEET. THE MINIMUM NET CLEAR OPENING WIDTH ENSION SHALL BE 20 INCHES AND HEIGHT OF 41 INCHES IF 20INCHES WIDTH IS USED.	7-0" TO 9'-0" 2J & 1S 2J & 1S 2J & 2S 9'-0" TO 12'-0" 2J & 1S 2J & 1S 3J & 2S INTERIOR BEARING WALLS (MINIMUM UNLESS NOTED):	DIVISION 5: METALS
IPERED GLASS LOCATIONS: FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE POSES OF GLAZING AND SHALL BE TEMPERED GLASS: LAZING IN ALL DOORS.	OPENING 1 FLOOR 2 FLOOR UP TO 3'-0" 1J & 1S 1J & 1S 3'-0" TO 5'-0" 2J 7 1S 2J & 2S 6'-0" TO 9'-0" 2J & 1S 3J & 2S	OF A.I.S.C. MANUAL OF STEEL CONSTRUCTION. STRUCTURAL STEEL SHALL CONFOI TO ASTM A-36. STEEL FOR PIPE COLUMNS SHALL BE OF EQUIVALENT CAPACITY ANI WELDABILITY TO ASTM A-501. ALL WELDING SHALL BE IN ACCORDANCE TO THE AMERICAN WELDING SOCIETY CODE AND BE PERFORMED BY WELDERS QUALIFIED
LAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE NEAREST VERTICAL EDGE IS WITHIN A 24" ARC OF THE DOOR IN A CLOSED POSITION WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING RFACE.	9'-0" TO 12'-0" 3J & TS 4J & 3S WHERE J = JACK UNDER HEADER S = STUD NAILED TO JACK ALONG SIDE HEADER. NOTE: ALL JACKS AND STUDS ASSUMED TO BE 2 X 4 SPF-STUD GRADE OR BETTER WITH	 ACCORDANCE WITH AWS PROCEDURES. ELECTRODES SHALL CONFORM TO ASTM A-5.20 E-70 SERIES. 2. PROVIDE BASE PLATE FOR ALL STRUCTURAL STEEL BEAMS BEARING ON CONCR OR MASONRY. PROVIDE STANDARD ANGLE ANCHORS AND INSERTS, TIES, CLIPS, ANCHORS STRAPS. HANGERS, BOI TS, AND OTHER HARDWARE AND FASTENING.
LAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM DMS, BATHTUBS AND SHOWERS, GLAZING IN ANY PART OF A BUILDING WALL CLOSING THESE COMPARTMENTS WHERE THE BOTTOM EDGE OF THE GLAZING IS S THAN 60 INCHES ABOVE THE DRAIN INLET.	WAXIMUM WALL HEIGHT OF 9-1 1/8 . ALL JACKS AND STODS TO BE GLOED AND NAILED W/16D NAILS AT 8" O.C. FIRE STOPPING:	DEVICES AS MAY BE REQUIRED. 3. STEEL COLUMNS, LINTELS, BEAMS AND RAILINGS SHALL HAVE A SHOP COAT OF I INHIBITING PAINT. DO NOT PAINT STAINLESS STEEL OR ALUMINUM ELEMENTS U.N.C 4. METAL RAILING TO WITHSTAND 200LB PER LINEAR FOOT FORCE IN ANY DIRECTIC
LAZING IN AN INDIVIDUAL FIXED OR OPERABLE WINDOWS THAT MEETS ALL OF THE LOWINGS CONDITIONS: A. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9S SQ FT. B. BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR. C. TOP EDGE GREATER THAN 36 INCHES ABOVE THE FLOOR.	(BOTH VERTICAL AND HORIZONTAL) IN THE FOLLOWING LOCATIONS: A. IN AL STUD WALL AND PARTITIONS INCLUDING FORCED SPACES AT FLOOR AND CEILING LEVELS AND NOT MORE THAN 10'-0" APART	MINIMUM. STEEL COLUMNS: 1. 11 GAUE ADJUSTABLE AND FIXED STEEL COLUMNS ARE CONSTRUCTED OF CARE
D. ONE OR MORE WALKING SUFACES WITHIN 36 INCHES HORIZONTALLY OF THE ZING LL GLAZING IN RAILINGS REGARDLES OF AN AREA OR HEIGHT ABOVE WALKING REACE INCLUDED ARE STRUCTUAL BALUSTER PANELS AND NONSTRUCTURAL IN-FILL	B. BETWEEN STAIR STRINGERS AT TOP AND BOTTOM AND BETWEEN STUDS IN LINE WITH STAIR RUN. C. FIRE STOPS, WHEN OF WOOD, SHALL BE 2" NOMINAL THICKNESS AND MAY BE MADE OF GYPSUM BOARD.	STEEL WITH A MINIMUN YIELD STRENGHT OF 33 KSI AND ULTIMATE STRENGHT OF 4 IN ACCORDANCE WITH ASTM 500 AND MANUFACTURED BY MARSHALL STAMPING COMPANY IN ACCORDANCE WITH BOCA REPORT NO.21-31 AND HAVE A MINIMUN 8" 1/4" BEARING AND CAP PLATES UNLESS NOTED OTHERWISE. SCREW JACK SHOULD
IELS. EXCEPTIONS THE FOLLOWING PRODUCTS, MATERIALS AND USES ARE EXEMPT FROM ABOVE HAZARDAOUS LOCATIONS: A. OPENINGS IN DOORS THROUGH WHICH A 3-INCH SPHERE IS UNABLE TO PASS.	D. SPACES BETWEEN CHIMNEYS AND WOOD FRAMING SHALL BE FILLED WITH LOOSE NONCOMBUSTIBLE MATERIAL (2" MINIMUM THICKNESS). WOOD ROOF TRUSSES:	ENCASED IN CONCRETE OR TACK WELDED AFTER INSTALLATION. EACH COLUMN SHOULD BE DESIGNED WITH THE CAPACITY RATING AND WITHSTAND COMPRESSIC LOADS AS NOTED ON PLAN.
B. LEADED GLASS PANELS. C. FACETED AND DECORATIVE GLASS. IC ACCESS:	1. ROOF TRUSS MANUFACTURER TO SUPPLY SHOP DRAWINGS AND ERECTION DRAWINGS AND MUST BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE GOVERNING JURISDICTION. FLOOR TRUSS MANUFACTURER TO SUPPLY CONNECTION AND BEARING DETAILS, BRIDGING AND BRACING DETAILS WITH	FASTENERS: 1. ALL FASTENERS IN EXTERIOR DECKS SHALL BE GALVANIZED. 2. ANCHOR BOLTS SHALL BE 1/2" DIAMETER X 10" LONG GALVANIZED (SEE DRAWING FOR PLACEMENT AND SPACING)
TTIC ACCESS TO BE INSULATED TYPE.	NOMINAL DIMENSIONS, TRUSS CONFIGURATIONS, LUMBER GRADE AND SPECIES AND MAGNITUDES OF FORCE IN ALL MEMBERS. 2. TRUSS DIAGRAMS SHOW DESIGN INTENT ONLY.TRUSS MANUFACTURER TO VERIFY ALL SPANS, DIMENSIONS, PITCHES, ETC. AND SUBMIT SHOP DRAWINGS TO DESIGNER	 FLITCH BEAMS SHALL HAVE A MINIMUM FB = 1000 PSI, E=1,300,000 PSI WITH 2 ROV 1/2" BOLTS, 16" O.C TOP AND 32" O.C AT BOTTOM U.N.O. JOIST HANGERS SHALL BE USED TO SUPPORT ALL PURLINS, JOISTS AND BEAMS FRAMED OVER SUPPORTING MEMBERS.
PSUM WALLBOARD: LL GYPSUM WALLBOARD SHALL BE INSTALLED AND FASTENED IN ACCORDANCE	PRIOR TO FABRICATION. 3. WOOD ROOF TRUSSES TO BE INSTALLED PER MANUFACTURE'S INSTRUCTIONS. 4. WOOD ROOF TRUSSES TO BE BRACED IN ACCORDANCE WITH TPL-BWT LISTED IN IRC	 5. JOIST HANGERS SHALL BE USED "TECO" UNLESS OTHERWISE NOTED OR AN APPROVED EQUAL. 6. MACHINE BOLT AND CARRAGE BOLT HOLES IN WOOD SHALL BE DRILLED 1/16" LA TUAN DIAMETER OF POLT.
H THE PROVISIONS OF THE IRC CODE, LATEST EDITION, STATE AND LOCAL CODES. LL EDGES AND ENDS OF GYPSUM WALLBOARD SHALL OCCUR ON THE FRAMING MBERS EXCEPT THOSE EDGES WHICH ARE PERPENDICULAR TO THE FRAMING MBERS. ALL EDGES OF GYPSUM WALLBOARD SHALL BE IN MODERATE CONTACT	R602.10. OPEN WEB FLOOR TRUSSES: 1. FLOOR TRUSS MANUFACTURER TO SUPPLY SHOP DRAWINGS AND ERECTION	 THAN DIAMETER OF BOLT. 7. LAG SCREWS SHALL BE SQUARE HEAD, OF STRUCTURAL GRADE STEEL, BE PLAC WITH WASHERS UNDER THE HEAD. 8. BOLTS IN WOOD FRAMING SHALL BE STANDARD MACHINE BOLTS WITH STANDAR MALLEABLE IRON WASHERS OR STEEL PLATE WASHERS
EPT IN CONCEALED SPACES WHERE FIRE RESISTING CONSTRUCTION IS NOT QUIRED. ROVIDE MOISTURE RESISTANT DRYWALL AT TUBS AND SHOWERS. HE GARGE SHALL BE SEPARATED FROM THE LIVING SPACE BY 5/8" TYPE X GYPSUM	REGISTERED IN THE GOVERNING JURISDICTION. FLOOR TRUSS MANUFACTURER TO SUPPLY CONNECTION AND BEARING DETAILS, BRIDGING AND BRACING DETAILS WITH NOMINAL DIMENSIONS. TRUSS CONFIGURATIONS, LUMBER GRADE AND SPECIES AND MAGNITUDES OF FORCE IN ALL MEMBERS	9. STEEL PLATE WASHER SIZES SHALL BE AS FOLLOWS: <u>BOLT DIAMETER WASHER SIZE</u> 1/2" 2-1/4" X 5/16" 5/8" 2-1/4" X 5/16"
NCLOSED ACCESSIBLE SPACE UNDER STAIRS SHAL HAVE WALLS AND SOFFITS DTECTED BY ON THE ENCLOSED SIDE WITH 1/2" DRYWALL.	2. BAND BOARD 2 X CONTINUOUS U.N.O. 3. FLOOR TRUSSES SHALL BE DESIGNED TO ACCOMMODATE HVAC DUCT LAYOUT AS INDICATED AN CONVENTIONAL FRAMING AS INDICATED. 4. ELOOR TRUSSES SHALL BE DESIGNED TO LIMIT DEELECTION TO L/480 LIVE LOAD OR	3/4" 2-5/8" X 5/16" 10. SILL PLATES TO BE ATTACHED TO STEEL BEAMS W/ 1/2" THRU BOLTS STAGGERE 24" O.C. OR PNEUMATIC FASTEN WITH HILTI "ZF54" PINS W/36MM WASHERS @ 24" O
AINTING SHAL BE APPLIED ACCORDING THO THE FOLLOWING: LOCATION PAINT TYPE APPLICATION CEILINGS LATEX FLAT 1 COAT PRIMER AND 1 FINISH COAT WALL LATEX FLAT 1 COAT PRIMER AND 1 FINISH COAT INTERIOR TRIME LATEX	FOR DEAD LOAD OF 16 PSF WHICH EVER IS GRADER EXCEPT IN ROOMS CONSISTING OF DIFFERENT LENGHTS OF WHICH THE DEFLECTION OF THE SHORTEST SPAN SHALL GOVERN.	LINTELS: 1. LINTELS SIZES SHALL BE PER THE LINTEL SHEDULE SHOWN ON THE BRICK LINTE DETAIL, U.N.O.
EXTERIOR TRIM LATEX T COAT PRIMER AND 2 FINISH COAT SEMI-GLOSS 1 COAT PRIMER AND 2 FINISH COAT EXTERIOR TRIM EXTERIOR LATEX 1 SHOP COAT PRIMER AND SEMI-GLOSS 2 FINISH COATS	1. "I"-JOISTS. 1. "I"-JOIST MANUFACTURER TO SUPPLY SHOP DRAWINGS AND ERECTION DRAWINGS AND MUST BE SEALED BY A PROFESIONAL ENGINEER REGISTERED IN THE GOVERNING JURISDITION. FLOOR JOIST MANUFACTURER TO SUPPLY CONNCECTION AND BEARING DETAILS. BRIDGING AND BRACING DETAILS. NOMINAL DIMENSIONS AND JOIST LAYOUT	DIVISION 6: WOOD, PLASTICS AND COMPOSITES 1. ALL JOISTS, RAFTERS, AND HEADERS SHALL BE, UNLESS OTHERWISE NOTED, HE
SION 11: EQUIPMENT (COORDINATE WITH OWNER) SION 12: FURNISHINGS (COORDINATE WITH OWNER) SION 13: SPECIAL CONSTRUCTION (NOT USED)	CONFIGURATIONS. 2. PROVIDE SOLID MATERIAL, 1 1/4" MINIMUM, AT ALL BAND BOARDS, END CONDITIONS AND RING JOIST AS RECOMMENDED BY THE MANUFACTURER. 3. ELOOR JOISTS SHALL BE DESIGNED TO LIMIT DEELECTION TO L/480 LIVE LOAD. OR	MODULUS OF EQUAL WITH THE FOLLOWING MINIMOM ALLOWABLE STRESSES AND MODULUS OF ELASTICITY: EXTREME FIBER STRESS: FB=850 PSI (REPETITIVE MEMBER) HORIZONTAL SHEAR: FV=75 PSI
SION 14: CONVEYING EQUIPMENT (NOT USED) SION 21: FIRE SUPPRESSION (NOT USED) SION 23: HEATING, VENTING, AND AIR CONDITIONING (HVAC)	L/720 LIVE LOAD, FOR FLOORS WITH MARBLE, CERAMIC TILE, OR LIMESTONE. FOR SPANS GREATER THAN 14'-0" THE TOTAL LOAD DEFLECTION SHALL NOT EXCEED 7/32" AS SPECIFIED BY THE MARBLE INSTITUTE OF AMERICA. 4. PROVIDE 2 X 4 CRIPPLES @ ALL INTERIOR BEARING CONDITIONS	MODULUS OF ELASTICITY: E=1,300,000 PSI MOISTURE CONTENT: 19% 2. ALL EXTERIOR LUMBER AND LUMBER IN CONTACT WITH MASONRY AND CONCRESSION OF PRESENTATIVE TREATED IN ACCORDANCE WITH AMON
ECHANICAL SUBCONTRACTOR TO REVIEW DUCT LAYOUTS, CONDENSER LOCATION CT SIZES, ETC, AS NOTED HEREIN AND NOTIFY ARCHITECT PRIOR TO INSTALLACTION ANY CONFLICTS IN THE DESIGN, SIZING OR INSTALLATION OF THE SUSTEM.		SHALL BE PRESSURE PRESERVATIVE TREATED IN ACCORDANCE WITH AWPA STANDARDS. 3. ALL NAILINGS SHALL COMPLY WITH IRC CODE, LATEST EDITION AND ALL STATE A LOCAL BUILDING CODES
CHANICAL SUBCONTRACTOR TO REVIEW STRUCTUAL SHOP DRAWINGS AN NOTIFY ARCHITECT OF ANY MECHANICAL AND STRUCTURAL CONFLICTS PRIOR TO INSTRUCTION. LL WORK SHALL BE IN FULL ACCORDANCE WITH ALL CODES, RULES, AND	1. PLUMBING AND ASSOCIATED COMPONENTS TO BE COORDINATED, PERMITTED, FURNISHED AND INSTALLED BY G.C. PER STATE AND LOCAL CODES AND REGULATIONS. 2. EQUIPMENT TO BE INSTALLED PER MANUFACTURER RECCOMENDATIONS.	 4. BUILT-UP BEAMS OT JOISTS FORMED BY A MULTIPLE OF 3-PLY OR LESS 2X MEME SHALL BE CONNECTED W/16D NAILS AT 8" O.C 5. BUILD-UP BEAMS FORMED BY 3 PLYS OF LAMINATED VENEER LUMBER SHALL BE FASTEN W 3-ROWS 16D NAILS AT 12" O C ON FACH SIDE OR PER MANUFACTURES
BULATIONS OF THE GOVERNING AGENCIES.		RECOMMNENDATION.

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2 A 3. ALL KITCHENS AND BATH ROOMS SHALL BE MECHANICALLY VENTED TO THE

EXTERIOR. 4. SECURE HVAC EQUIPMENT PER MANUFACTURER RECOMMENDATIONS. 6. BLOCK SOLID AT ALL BEARING SUPPORTS WHERE ADEQUATE LATERAL SUPPORT

NOT OTHERWISE PROVIDED.

PER THE UNITED STATES COPYRIGHT LAW COMPENDIOUM OF U.S. COPYRIGHT OFFICE PRACTICES SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY S2R ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION.

MINIMUN STRENGTH 3000 PSI @ 28 DAYS	NOTE: COLUMNS READ FROM RIGHT TO LEFT	
3000 PSI @ 28 DAYS -GRADE 3000 PSI @ 28 DAYS -GRADE 3500 PSI @ 28 DAYS (5% AIR -ENTRAINED)	GENERAL NOTES:	
I-GRADE 3500 PSI @ 28 DAYS (5% AIR-ENTRAINED) L CONFORM TO ALL REQUIREMENTS OF ACI-318-99,	ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES & REGULATIONS IN ACCORDANCE OF ACCEPTED GOOD PRACTICE. GENERAL CONTRASCTOR IS	
RUCTUAL CONCRETE FOR BUILDINGS. ON GRADE SHALL BE A MINIMUN OF 4" THICK ON 6 MIL	RESPONSIBLE FOR PRACTICING AND ENFORCING RULES ON CONSTRUCTION SITE. ARCHITECT WHEN VISITING CONSTRUCTION SITE IS ONLY VISING AS OBSERVER AND	
FOOTINGS SHALL BE APPROVED BACKFILL MATERIAL AT 95%	2 DIMENSIONS ARE TO FACE OF WOOD FRAMING OR CONCRETE UNLESS OTHERWISE	
PROVED MATERIAL.	NOTED.	
ALL BE INTERMEDIATE GRADE NEW BILLET DEFORMED BARS	3. ALL INSTALLATIONS SHALL BE PERFORMED IN A STRICT ACCORDANCE W/THE MATERIAL, EQUIPMENT, AND OR MANUFACTURERS SPECIFICATIONS.	
MENT FY = 60 KSI NG AND PLACING OF REINFORCEMENT SHALL BE IN	4. DIMENSIONS ARE TO BE TAKEN FROM DIMENSION STRINGS ONLY, DO NOT SCALE DRAWINGS. ANY OMISSIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE	
15 "MANUAL OF STANDARD PRACTICE FOR DETAILING STRUCTURES". FURNISH SUPPORT BARS AND ALL REQUIRED	DESIGNER'S ATTENTION IMMEDIATELY, FOR THE DESIGNER TO RESOLVE.	
S WHICH INTERCEPT PERPENDICULAR ELEMENTS SHALL ACED TWO (2) INCHES CLEAR FROM OUTER FACE OF	NAME RIALS OR THEMS IDENTIFIED BY THE A MANOFACTORER'S NAME OR TRADE NAME MAY BE SUBSTITUTED BY A LIKE PRODUCT OF A DIFFERENT MANUFACTURER, ONLY WITH PRIOR APPROVAL OF THE DESIGNER OR OWNER PRIOR TO ORDERING/INSTALLING. CONTRACTOR IS WELCOME AND ENCOURAGED TO SUBMIT	АКСНІТЕСТЗ
HOURS PRIOR TO EACH CONCRETE POUR. NO CONCRETE ALL REINFORCING HAS BEEN INSTALLED BY THE	6. PREMISES SHALL BE LEFT " BROOM CLEAN" AND EXTERIOR SHALL BE COMPLETELY	
CTED BY THE BUILDING OFFICIAL. IS, DETAILS AND TYPICAL WALL SECTION FOR REINFORCED	FREE OF DEBRIS UPON COMPLETION OF WORK. ALL SUBCONTRACTORS ARE REQUIRED TO CLEAN PREMISES AND EXTERIOR OF THEIR DEBRIS DAILY, UNLESS SPECIFICALLY EXEMPTED BY OWNER, PARTICULAR EFFORT IS TO BE TAKEN TO	
E FOR REINFORCING STEEL SHALL BE AS FOLLOWS: <u>MINIMUN COVERAGE</u>	MINIMIZE & CLEAN-UP DEBRIS WITHIN EXISTING PREMISES, ON A DAILY BASIS.	
6 2" "	7. THERE IS TO BE NO SMOKIN OF ANY KIND IN RESIDENCE FROM COMMENCEMENT OF FRAMING.	
E) 2" RFACE) 2"	8. ALL EXTERIOR WALL FRAMING TO BE 2X6 AND INTERIOR WALL FRAMING TO BE 2X4 UNLESS NOTED OTHERWISE NOTED ON THE FRAMING PLANS.	
E PLACED AT MID-DEPTH OF SLAB.	9.G.C TO COORDINATED KITCHEN LAYOUT REQUIREMENTS IN TERMS OF VENTING AND ELECTRICAL POINTS W/FINAL KITCHEN DESIGN AND SELECTED APPLIANCES.	
SHOWN ON THE SECTION UNLESS OTHERWISE NOTED, MINIMUN OF 12" INTO ORIGINAL UNDISTURBED SOIL AND A	DIVISION 1: GENERAL REQUIREMENTS	
P FOOTINGS TO RATIO OF 2 HORIZONTAL TO 1 VERTICAL. IONS SHALL BE INSPECTED BY THE BUILDING OFFICIAL PRIOR	1. WORK PERFORMED SHALL COMPLY WITH THIS GENERAL NOTES UNLESS	10486 COLONEL COURT MANASSAS VA 20110
CONCRETE. THE BUILDING OFFICIAL SHALL BE GIVEN NOTICE	2. WORK PERFORMED SHALL COMPLY WITH ALL APPLICABLE LOCAL AND STATE CODES, ORDINANCES AND REGULATIONS.	(703)420-8141 www.S2RArchitects.com JD@S2RArchitects.com
PAD FOR EXTERIOR HVAC UNIT, PROVIDE PIPE/CONDUIT Y MANUFACTURER.	3. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACOTR AND HIS SUBCONTRACTORS.	~
	4. DISCREPANCIS: THE GC SHALL COMPARE AND COORDINATE ALL DRAWINGS; IF IN THE OPINION OF THE GC A DISCREPANCY EXITS THE GC SHALL PROMPTLY NOTIFY ARCHITECT OF THE DISCREPANCY AND INCLUDE PROPOSED SOLUTION FOR	
S TO HAVE "DUR-OR-WALL" (OR APPROVED EQUAL) TRUSS	APPROVIAL PRIOR TO PROCEEDING WITH WORK. 5. OMISSIONS: IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT	
ABOVE GRADE AND 8" O.C TO HAVE NON-CORROSIVE METAL TIES AT 16" O.C	CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR NOTED AND AS APPLICABLE TO CODES, REGULATIONS AND INDUSTRY STANDARDS.	
NTALLY. THE TOP. BOTTOM AND SIDES OF ALL OPENINGS AND BASE	6. ALL WORK IS TO BE PERFORMED IN A PROFESSIONAL, SAFE MANNER AND IN STRICT ACCORDANCE WITH CODES, REGULATIONS, MAUFACTURER'S	
F SOLID MASONRY UNDER CONCENTRATED LOADING	7. DIMENSIONS SHALL BE READ OR CALCULATED AND NEVER SCALED. ALL DIMENSIONS ARE TO THE ROUGH FRAMING U.N.O.	
TO ASTM C270, TYPE N.	8. DEISGN LOADS: ROOF LOADS (30PSF LIVE) + (17 PSF DEAD) ELOOR LOADS (40PSE LIVE) + (12 PSE DEAD)	
IALL CONFORM TO THE REQUIREMENTS OF THE 9TH EDITION	FLOOR LOAD SLEEPING AREAS (30 PSF LIVE) + (12 PSF DEAD) DECK LOAD (40PSD LIVE) + (12 PSF DEAD)	
EEL CONSTRUCTION. STRUCTURAL STEEL SHALL CONFORM	BALCONIES LOAD (60PSF LIVE) + (12 PSF DEAD) ATTIC LIMITED STORAGE (20PSF LIVE) + (12 PSF DEAD) WIND LOAD = 115 MPH @ 3 SEC GUST	
IETY CODE AND BE PERFORMED BY WELDERS QUALIFIED IN PROCEDURES. ELECTRODES SHALL CONFORM TO ASTM	STAIR LOAD = 60 PSF SNOW LOAD = 30 PSF	
OR ALL STRUCTURAL STEEL BEAMS BEARING ON CONCRETE	10. WALL BRACING USE ONE OF THE FOLLOWING OPTIONS: A. WOOD STRUCTUAL PANEL SHEATHING WITH A THICKENESS NOT LESS THAN 1/2" (5/8" RECOMMENDED) FOR 16" AND 24" STUD SPACING, WOOD STRUCTUAL PANELS	
ERS, BOLTS, AND OTHER HARDWARE AND FASTENING JIRED.	SHALL BE INSTALLED IN ACCORDANCE WITH TABLE R602.3 (3) B. ALTERNATE BRACED WALL PANELS. ALTERNATE BRACED WALL LINES	
ELS, BEAMS AND RAILINGS SHALL HAVE A SHOP COAT OF RUST PAINT STAINLESS STEEL OR ALUMINUM ELEMENTS U.N.O.	CONSTRUCTED IN ACCORDANCE WITH ONE OF THE FOLLOWING PROVISIONS SHALL BE PERMITED TO REPLACE EACH 4 FEET (1219 MM) OF BRACED WALL PANEL AS REQUIRED BY SECTION R602 10 4	
ISTAND 200LB PER LINEAR FOOT FORCE IN ANY DIRECTION	11. ANY CHANGES TO THE PROJECT REQUIRE WRITTEN REQUEST AND APPROVAL BY ARCHITECT OR APPROPRIATE ENGINEER. ANY CONSTRUCTION CHANGES NOT CONFORMING TO THIS SET OF DRAWINGS OR REVISED SET OF DRAWINGS NO MATTER	
ND FIXED STEEL COLUMNS ARE CONSTRUCTED OF CARBON ELD STRENGHT OF 33 KSI AND ULTIMATE STRENGHT OF 45 KSI.	AND LIABILITY. OWNER TO ASSUME AND COMPENSATE ARCHITECT AND ENGINEER FOR ALL LITIGATION, FINES AND LAWYER COSTS AND INCLUDING INTEREST ASSOCIATED	
CE WITH BOCA REPORT NO.21-31 AND HAVE A MINIMUN 8" X 4" ATES UNLESS NOTED OTHERWISE. SCREW JACK SHOULD BE	WITH CHANGES, LITIGATION OR INJURY. 12. G.C. TO SUBMIT SHOP DRAWINGS FOR REVIEW TO ARCHITECT OR ENGINEER. SHOP	
DR TACK WELDED AFTER INSTALLATION. EACH COLUMN TH THE CAPACITY RATING AND WITHSTAND COMPRESSION N.	DRAWINGS TO BE STAMPED AND SIGNED BY THE GC TO CONFORM WITH THE DRAWINGS, INTENDED DESIGN, CODES AND BEST PRACTICES. 13. ANY CHANGES TO DRAWINGS NEED TO BE SUBMITTED TO AND APPROVED BY THE	
	ARCHITECT OR ENGINEER. 14. ARCHITECT RETAINS THE RIGHTS TO THE DESIGN OF THE PROJECT AS INTELLECTUAL PROPERTY PER UNITED STATES COPYRIGHT LAW COMPENDIOUM	
BE 1/2" DIAMETER X 10" LONG GALVANIZED (SEE DRAWINGS ACING)	SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & 923. ARCHITECT RETAINS RIGHTS TO PHOTOGRAPH OR TAKE VIDEO OF THE PROJECT DURING AND AFTER THE	
AVE A MINIMUM FB = 1000 PSI, E=1,300,000 PSI WITH 2 ROWS ND 32" O.C AT BOTTOM U.N.O. BE USED TO SUPPORT ALL PUBLINS JOISTS AND BEAMS NOT	PHOTOGRAPHS OF THE DESIGN & ARCHITECTURE TO BE USED BY THE ARCHITECT FOR VARIOUS USES INCLUDING STAFF EDUCATION, ADVERTISEMENT, BLOGGING,	
NG MEMBERS. BE USED "TECO" UNLESS OTHERWISE NOTED OR AN		
RRAGE BOLT HOLES IN WOOD SHALL BE DRILLED 1/16" LARGER	EXISTING CONDITIONS:	
SQUARE HEAD, OF STRUCTURAL GRADE STEEL, BE PLACED HE HEAD.	1. GC TO FAMILIZARIZE WITH EXISTING SITE, CONDITIONS AND DRAWINGS PRIOR TO BEGINING WORK INCLUDING UTILITIES. NOTIFY ARCHITECT / ENGINEER OF ANY	A NONINEALTH OR
NG SHALL BE STANDARD MACHINE BOLTS WITH STANDARD RS OR STEEL PLATE WASHERS. SIZES SHALL BE AS FOLLOWS:	2. ANY CONDITIONS / ELEMENTS TO REMAIN SHALL BE COVERED AND PROTECTED DURING CONSTRUCTION/DEMOLITION.	S GEODOL
<u>SHER SIZE</u> 6"	3. ANY ELEMENT/ CONSTRUCTION THAT IS TO BE RELOCATED SHALL BE PHOTOGRAPHED AND RECORED WITH DIMENSIONS TO BE REINSTALLED IN KIND.	Lic. No. 2311
o 6" TACHED TO STEEL BEAMS W/ 1/2" THRU BOLTS STAGGERED @	PROTECTED FROM DAMAGE AND LABELED.	08/20/2021
ASTEN WITH HILTI "ZF54" PINS W/36MM WASHERS @ 24" O.C.	DEMOLITION: 1. GC TO VERIFY EXISTING CONDITIONS TO REMAIN PRIOR TO BEGINING DEMOLITION. 2. PRIOR TO DEMOLITION GC TO VERIFY UTILITY LINE LOCATIONS AND SERVICES.	
E PER THE LINTEL SHEDULE SHOWN ON THE BRICK LINTEL	3. IF UNANTICIPATED HAZARDS, HAZARDOUS MATERIALS, OBJECTS OR HUMAN REMAINS ARE UNCOVERED DURING DEMOLITION / EARTH REMOVAL THE GC IS TO	REVISION DATE
	4. EXPOSE FRAMING PRIOR TO DEMOLITION. 5. DO NOT DEMOLISH ANY STRUCTURAL COMPONENTS OR SYSTEM THAT IS NOT	
AND HEADERS SHALL BE, UNLESS OTHERWISE NOTED. HEM-	REFERENCED IN THE DRAWINGS. NOTIFY STRUCTURAL ENGINEER OF ANY STRUCTURAL ELEMENTS THAT ARE NOT INDICATED IN THE DRAWINGS.	E DATE
E FOLLOWING MINIMUM ALLOWABLE STRESSES AND	REMIDEATED AS REQUIRED BY LOCAL OR STATE REMIDIATION REGULATIONS.	<u>8</u> 08/20/2021
ENDICULAR TO GRAIN: FC=405 PSI	DIVISION 32: EXTERIOR IMPROVEMENTS	
CITY: E=1,300,000 PSI 19% AND LUMBER IN CONTACT WITH MASONRY AND CONCRETE	1. CONCRETE SLABS AND FOOTINGS CALCULATIONS ARE BASED ON A 1500 PSF VALUE PER (PER CODE) 2. FOOTINGS, FOUNDATIONS, WALLS, AND SLAPS SHALL NOT BE BLACED ON MADINE	
SERVATIVE TREATED IN ACCORDANCE WITH AWPA	2. FOOTINGS, FOOTDATIONS, WALLS, AND SLABS SHALL NOT BE PLACED ON MARINE CLAY, PEAT OR ANY OTHER ORGANIC MATERIAL. 3. ANY RADON MITIGATION CONSTRUCTION SHOWN ON THESE PLANS HAS BEEN	X
MPLY WITH IRC CODE, LATEST EDITION AND ALL STATE AND	INCLUDED AT THE DIRECTION OF THE OWNER AND IS NOT WARRANTED BY THE DESIGNER AS TO IT'S EFFECTIVENESS. 4. DO NOT BACKELL, AGAINST THE FOUNDATION WALL, UNTIL THE FIRST FLOOD	
(16D NAILS AT 8" O.C ED BY 3 PLYS OF LAMINATED VENEER LUMBER SHALL BE	SUBFLOOR IS IN PLACE. 5. PROVIDE 4" PERIMETER FOUNDATION DRAIN AROUND THE FOUNDATION WALL AND	Δ002
AILS AT 12" O.C ON EACH SIDE OR PER MANUFACTURES	SLOPE GRADE AWAY FROM THE STRUCTURE A MINIMUN OF 6" IN 10 FEET 6. WHERE CONDITIONS DEVELOP REQUIRING CHANGES IN EXCAVATIONS. SUCH CHANGES SHALL BE MADE AS DIRECTED BY THE GEOLTECHNICAL ENGINEER	
	,,,,	

SPECIFICATIONS

24X36 SHEET, DO NOT SCALE DRAWINGS

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PER THE UNITED STATES COPYRIGHT LAW COMPENDIOUM OF U.S. COPYRIGHT OFFICE PRACTICES SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY S2R ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION.





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		CONCR SOIL EC	ETE REINFORCI QUIVALENT LAT	EMENT SCHEDULE BY E ERAL FLUID PRESSURE	EQUIVALENT SOIL 60 PCF (ACTIVE F	PRESSURE PRESSURE)
WALL HEIGHT (H)	GRADE HEIGHT (G)	MAXIMUM BRICK LEDGE HEIGHT (L)	MAXIMUM WALL THICKNESS (T)	DISTANCE FROM EARTH SIDE FACE OF WALL TO CL OF BAR (d)	SPACING OF VERTICAL WALL REINF. (#4 BARS)	SPACING OF WALL REINF. (#4 BARS)
4' 4' 4' 4'	3' 3' 2' AND LESS 2' AND LESS	12" 24" 0" 48"	7.5" 7.5" 7.5" 9.5"	5.75" 5.75" 5.75" 6.75"	12" O.C. 16" O.C. NONE REQ 16" O.C.	12" O.C. 16" O.C. NONE REQ 16" O.C.





PER THE UNITED STATES COPYRIGHT LAW COMPENDIOUM OF U.S. COPYRIGHT OFFICE PRACTICES SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION.



PER THE UNITED STATES COPYRIGHT LAW COMPENDIOUM OF U.S. COPYRIGHT OFFICE PRACTICES SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY S2R ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY S2R ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 923. THE DESIGN, DRAWING COMPOSITION, ARRANGEMENT OF SPACES, ELEMENTS, THE LAYOUT AND DETAILS OF THIS PROJECT AS CREATED BY S2R ARCHITECTURAL WORKS 17 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL WORKS 18 U.S.C. § 101 & SECTION 903.2: ARCHITECTURAL WORKS 18 U.S.C. § 101 & SECTION 90

SCHEDULE - WINDOWS	SCHEDULE - DOORS	DOORS AND FRAME NOTES	24X36 SHEET, DO NOT SCALE DRAWINGS
FLOORTYPEOUNTWIDTHHEIGHTFROM LEVELMANUFACTURERBASEMENT FLOORDH13'-0"4'-0"6'-8"TBDFIRST FLOORDH23'-0"4'-0"7'-0"TBDFIRST FLOORDH13'-0"5'-0"6'-8"TBDSECOND FLOORDH13'-0"2'-0"6'-8"TBDSECOND FLOORDH33'-0"4'-0"6'-8"TBDSECOND FLOORDH43'-0"5'-0"TBDSECOND FLOORDH43'-0"5'-0"TBD	FLOORDOORFLOORTYPECOUNTWIDTHHEIGHTMANUFACTURERFIRST FLOORA12'-4"6'-8"TBDFIRST FLOORCC16'-0"6'-8"TBDFIRST FLOORCO13'-0"7'-0"FIRST FLOORCO112'-0"7'-0"SECOND FLOORA52'-6"6'-8"TBDSECOND FLOORPP34'-0"6'-8"SECOND FLOORSP12'-6"7'-0"	 A. SEE FLOOR PLANS FOR DOOR SWINGS. B. DOORS HIGHER THAN 7' TO HAVE MORTESE HARDWARE. C. PROVIDE 20MINUTE RATED DOORS FROM GARAGE TO INTERIOR. PROVIDE SELF-CLOSING HINGES. D. DO NOT PAINT ALUMNIUM, GLASS OR VINYL DOORS/FRAMES U.N.O. E. FRAMES TO NOT HAVE EXPOSED FASTENERS F. DOORS TO OPERATE SMOOTHLY OVER FINISHED FLOOR. UNDERCUT TO BE 1/4" MAXIMUM UNLESS NOTED OTHERWISE (VERIFY W/ MECHANICAL REQUIREMENTS) G. PAINTED OR STAINED DOORS ARE TO BE FINISHED ON ALL SIDES INCLUDING TOP AND BOTTOM. SMOOTH/SAND ALL SIDES PRIOR TO FINISHING. H. PROVIDE PRIVACY FUNCTION ON RESTROOMS. ENTRY FUNCTION ON 	OFFICIAL COUNTY USE ONLY
		 H. PROVIDE PRIVACY FUNCTION ON RESTROOMS, ENTRY FUNCTION WITH OWNER AND EXTERIOR DOORS. COORDINATE OTHER FUNCTION WITH OWNER AND GENERAL INDUSTRY ACCEPTED ROOM TYPE STANDARDS. PROVIDE SEALANT AT FRAME EDGES AT WALLS, FLOORS AND HEAD PRIOR TO FINISHING. J. PROVIDE HINGE PIN DOOR STOPS, FINISH TO MATCH HINGES. PROVIDE 2 PER DOOR FOR DOORS OVER 7' TALL. K. DOOR CORES NOT TO HAVE UREA-FORMALDEHYDES. L. PROVIDE STONE FLOOR TRANSITION BETWEEN TILE AND OTHER FINISHES 1/4" MAX A.F.F. FROM TILE. M. PROVIDE STAINLESS STEEL HINGES AT EXTERIOR DOORS. N. PROVIDE STAINLESS STEEL HINGES AT EXTERIOR DOORS. N. PROVIDE STAINLESS STEEL HINGES AT EXTERIOR DOORS. N. PROVIDE STAINLESS STEEL HINGES AT EXTERIOR DOORS. M. PROVIDE TAINLESS STEEL HINGES AT EXTERIOR DOORS. M. PROVIDE TAILL. O. COORDINATE ROUGH OPENING WITH MANUFACTURER REQUIREMENTS. P. PROVIDE TEMPERED INSULATING GLASS ON ALL EXTERIOR DOORS WITH GLAZING. Q. DOOR GLAZING TINT TO MATCH WINDOWS. WINDOWS AND FRAME NOTES A. SEE ELEVATIONS FOR WINDOW SWINGS. B. PROVIDE INSECT SCREENS ON OPERABLE WINDOWS C. EXTERIOR GLAZING TO BE INSULATED GLASS, LOW E TO MEET MINIMUM ENERGY CODE REQUIREMENTS FOR INSULATION U VALUE AND SHGC. D. PROVIDE REALANT AT FRAME EDGES AT WALLS, FLOORS AND HEAD PRIOR TO FINISHING. ABBREVIATIONS: SC - SOLID CORE HC - HOLLOW CORE GL - GLASS	Interest of the second
	SEE WINDOW SCHED.	SEE WINDOW SCHED.	REAR AND SECOND STORY ADDITION 1031 CROSS DRIVE ALEXANDRIA VIRGINIA 23302 1031 CROSS DRIVE
	DH (DOUBLE HUNG)	$\frac{1}{1}$	BEVISION DATE
SEE DOOR SHED. THE SEE DOOR SCHED. SEE DOOR SCHED. THE SEE DOOR SCHED. SEE DOOR SCHED. THE SEE DOOR SCHED. T	CO CO ED OPENING) SEE DOOR SCHED. SEE DOOR SCHED. SEE DOOR SCHED. SEE DOOR SCHED. GEB DOOR	HED. I GINOR SCHED. I GINOR	08/20/2021 DOOR AND WINDOW SCHEDULES
		1 DOOR TYPES 1/4" = 1'-0"	A020





2 SECOND FLOOR PLAN EXISTING



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PER THE UNITED STATES COPYRIGHT LAW COMPENDIOUM OF U.S. COPYRIGHT OFFICE PRACTICES SECTION 903.2: ARCHITECTURAL WORKS 17 U.S.C. § 101 & SE

OFFICIAL COUNTY USE ONLY SINGLE TOP PLATE OVER (2) 2x12 MIN. HEADER HEADER W/SINGLE TOP PLATE OSB (REF PLAN) FILLER BEHIND 7/16" MIN STRAP OSB CONT AS REQ'D OVER HEADER 2-ROWS 16d NAILS @ 3" O.C. (PLATE TO SIMPSON MST27 HEADER) STRAP ATTACH W/(30) 10 d BOX NAILS (2600# SIMPSON CAPACITY) (INSIDE CMST14 EDGE OF STRAP (24" OPENING) LONG), OR EQUAL OPPOSITE FACE OF WALL TO TOP ARCHITECTS OF END WALL HEADER SEGMENT 18' MAXIMUM PER PLAN WIDTH IF NEEDED PANEL SPLICE EDGES SHALL OCCUR \$ BE ATTACHED TO COMMON BLOCKING WITHIN 24" OF WALL MID HEIGHT. ONE ROW OF 3" O.C NAILING IS REQUIRED IN EACH PANEL EDGE 16D NAILS @ 6' O/C SILL 8d NAILS @ 3" PLATE TO O/C INTO ŠILL **RIM BOARD** PLATE 10486 COLONEL COURT SIMPSON LTP4 FLOOR FLOOR MANASSAS VA 20110 OVER OSB SHEATHING SHEATHING PER FILLER AS (703)420-8141 PER PLAN PLAN REQ'D. ADD www.S2RArchitects.com 800# STRAP JD@S2RArchitects.com WHERE NOTED ON PLAN (REF. MIN 1-1/8" MIN 1-1/8" RIM DETAIL 1/WB.01 BOARD BOARD FOR ATTACHMENT Ζ SINGLE OR HEADER DOUBLE STUD WHERE WALL PLA \mathbf{N} OCCURS WALL PER PER PLAN 30 PLAN HEADER \sim OR STUD WALL AS 2 OCCURS DRI^V GINI PORTAL FRAME - RAISED FLOOR BRACING METHOD - (CS-PF) ()**M** ő ROOF TRASS CR(RIA JIMPSON H2.5 (MIN.) EA. TRASS, TYP. 103 AN BRACED WALL PANEL (REF. SHEET S3.0) NOTE: NO BLOCKING REQUIRED W/ROOF PITCH LESS THAN 10/12. WITH ROOF PITCH MORE THEN 10/12 REF RAISED HEEL TRUSS S DETAIL STANDARD HEEL TRUSS - ROOF TRUSS 2x BLOCKING 7/16" OSB SHEATHING W/ 8d NAILS @ 6" O.C. ALL EDGES (ABOVE BRACED WALLS ONLY) SIMPSON H2.5 (MIN.) EA. TRUSS, TYP. **ക്** GEORGE C. GERBER → Lic. No. 2311 BRACED WALL PANEL 08/20/2021 RAISED HEEL TRUSS IN BETWEEN DATE REVISION ROOF TRUSS 2x BLOCKING

NOTE: SEE SPECIFICATION SHEET FOR INSULATION REQUIREMENTS

SLAB ON GRADE

SIMPSON H2.5 (MIN.) EA. TRUSS, TYP.

BRACED WALL PANEL (REF. SHEET S3.0)

RAISED HEEL TRUSS

24X36 SHEET, DO NOT SCALE DRAWINGS

08/20/2021

TYP. WALL

SECTIONS AND

DETAILS

A400

WINDBRA	ACING WALL SCHEDULE	115 MPH (3 SECOND GUST)
MARK	ТҮРЕ	DESCRIPTION
CS-WSP	PRESCRIPTIVE BRACE WALL (CS-WSP) EITHER SIDE OF WALL	DENOTES BRACE WALL SEGMENT MIN WIDTH IN INCHES PER CODE. 7/16 OSB SHEATING ATTACHED TO STUDS (BLOCKED) WITH 8D COMMON NAILS @ 6" O.C INTO 2X4 SPF #2 FRAMING MEMBERS AT ALL BOUNDARY EDGES
CS-PF	WOOD PORTAL FRAME (CS-PF) 6:1 HEIGTH TO WIDTH RATIO	DENOTES BRACE WALL SEGMENT MIN WIDTH IN INCHES PER CODE. 7/16 OSB SHEATING ATTACHED TO STUDS NAILED & STAPPED PER CODE IN CS- PF METHOD DENOTES ACTUAL PANEL WIDTHS IN INCHES. PORTAL FRAME OR PORTAL TRUSS
GB	PRESCRIPTIVE BRACE WALL (GB) DOUBLE SIDED	DENOTES BRACE WALL SEGMENT MIN WIDTH IN INCHES PER CODE. 1/2" GYPSUM BOARD SHEATING ATTACHED TO STUDS (BLOCKED) WITH DRYWALL SCREWS #6 X 1-1/4" TYPE S @ 7" O.C AT EDGES & 12" O.C AT INTERMEDIATE SUPPORTS INTO 2X4 SPF #2 FRAMING MEMBERS.

NOTE: ALL ASSEMBLIES REQ MIN 2X4 STUDS @ 16" O.C AND ALL EXTEIOR WALLS SHALL BE CONTINUOUSLY SHEATED PER CODE (CS-WSP METHOD) PER WSP ABOVE U.N.O BRACE WALL SEGMENTS SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT CODE SECTION. ALL HARDWARE SHALL BE INSTALLED INACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS. REFERENCE ATTACHED DETAILS FOR PORTAL WALL FRAMING. ALL FIELD NAILING SHALL BE AT 12" O.C U.N.O AND BLOCK ALL EDGES AT BRACE WALL PANELS ONLY.

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Cold Anna	TT OF PARENT							Clas	SSIC per 2015	Wall Virginia R	Brac Residentia	cing I Code Se	Work	(she 02.10	et							
Ultimate Wind Speed (mph)			115																			
BWL Designation			1		2		A															
No. of Floors above BWL			1		1		1															
BWP Method			CS-WSP		CS-WSP		CS-WSP															
Average BWL Spacing (ft)			25.52		25.52		4															
Tabular Requirement (ft)			7.88		7.88		3.50															
	Exposure		В	1.00	В	1.00	В	1.00														
	Eave-to-Ridge H	t. (ft)	18.00	1.24	18.00	1.24	18.00	1.24														
_ا ۾	Max. Wall Ht. ((ft)	8.00	0.90	8.00	0.90	8.00	0.90														
	No. of BWLs	;	2	1.00	2	1.00	2	1.00														
sníny	Omit Interior Fini	ish?	No	1.00	No	1.00	No	1.00														
	Added Hold-dow	/ns?	No	1.00	No	1.00	No	1.00														
	Joints Blocked?		Yes	1.00	Yes	1.00	Yes	1.00														
	Fasteners @ 4" o.c.?		Yes	0.83	Yes	0.83	No	1.00														
Re	equired BWP Length (ft)		7.30		7.30		3.91															
	Contributing Length (ft) WSP=actual SFB=actual GB(ds)=actual CS-PF=1.5xactual PFG=1.5xactual PFH=4' ABW=4'	BWP	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length
		1	CS-PF	4.00	CS-WSP	4.00	CS-WSP	4.00														
s		2	CS-PF	4.00	CS-WSP	4.00	CS-WSP	4.00														
		3					CS-WSP	4.00														
ACIUA		4																				
		5																				
		6																				
		7																				
A	Actual BWP Length (ft)		8.00		8.00		12.00															
Actual ≥ Required?			PASS		PASS		PASS															
BWPs ≤ 20' Apart?		!?	Yes		Yes		Yes															
≥ 2 Panels in BWL?		?	Yes		Yes		Yes															
BWP 10' from Ends?		s?	Yes		Yes		Yes															
Continuous Sheathing End Conditions		ing	End 1 1	End 2	End 1	End 2 1	End 1	End 2 1	End 1	End 2 1	End 1	End 2	End 1	End 2	End 1	End 2	End 1	End 2	End 1	End 2	End 1	End 2
BWL Compliance		PASS PASS call 703-324-1842 TTY 711		PASS			Esister O	ounty, Vircinia Publ		ication								000454	0/00/00			

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NOTE: SEE SPECIFICATION SHEET FOR INSULATION REQUIREMENTS

FIRST FLOOR

WIND BRACING CALCULATION SHEET HORIZONTAL BLOCKING REQUIRED AT ALL BRACED WALL PANELS REDUCED FASTNER SPACING TO 4" AT ALL BRACED WALL PANELS BRACED WALL LINES 1 AND 2 HEADERS ARE TO EXTEND TO PORTAL FRAMING IN LENGTH

FLASHING GENERAL NOTES

THE DETAILS ON THIS PAGE ARE IN NO WAY INTENDED TO REPRESENT A COMPLETE LIST OF THE LOCATIONS IN A BUILDING THAT REQUIRE FLASHING. THESE DETAILS ARE INTENDED TO HELP TO CLARIFY SOME OF THE STANDARD SITUATIONS THAT ARE COMMON IN RESIDENTIAL CONSTRUCTION. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL OF THE FLASHING CONDITIONS AND THE PREVENTION OF WATER INTRUSION IN THE BUILDING. ALL FLASHING SHOULD BE INSTALLED TO MANUFACTURE SPECIFICATIONS.

DOOR AND WINDOW FLASHING :

FLASHING OVER A WOOD DOOR AND WINDOW HEAD SHALL EXTEND UP THE WALL A MINIMUM OF 4" AND IS NAILED TO THE SHEATHING. SHEET METAL IS RECOMMENDED FOR THIS FLASHING

FLASHING UNDER A WOOD WINDOW IS INSTALLED BEFORE SILLS ARE SET INTO PLACE. SHEET METAL IS RECOMMENDED FOR THIS FLASHING.

DECK FLASHING @ OPEN DECKS

WALL FLASHING SHOULD EXTEND A MINIMUM OF 4" ABOVE THE FINISHED DECK, AND MUST ALLOW FOR A 4" LAP BY THE FINAL WALL FINISH. THE METAL SHOULD ALSO EXTEND OUT OVER THE LEDGER OR JOIST AT A 5 DEGREE SLOPE. WHERE THIS FLASHING CROSSES A TRANSVERSE BEAM OR JOIST CARRYING THE DECK PLANKS, THE BEAM OR JOIST IS NOTCHED TO ACCEPT THE METAL.

PROPER FLASHING IS ALSO CRITICAL BELOW ANY BEAMS UNDERNEATH DECKS OR WALLS AND SHOULD BE SIMILARLY FLASHED WITH A STANDARD Z-FLASHING.

OPEN PLANK DECKS. TYPICAL ATTACHED TO THE SILL LINE OF THE BUILDING WITH BOLTS, REAURE FLASHING. THE FLASHING SHALL RUN UP THE WALL A MINIMUM OF 4" ABOVE THE FINISHED DECK. IT SHALL CONTINUE VERTICALLY DOWN THE SHEATHING, OR LEDGER IF PRESENT, TERMINATING IN A HEMMED DIVERTER BELLOW THE DECK.

DECK FLASHING @ COATED DECKS

DECK TO WALL FLASHING --- WHEN THE DECK SURFACE MEETS A WALL, THE MEMBRANE OR COATING TYPICALLY EXTENDS A MINIMUM OF 4" UP THE WALL BEFORE IT MEETS THE EXTERIOR FINISH. (COATING MANUFACTURERS HAVE THEIR OWN SPECIFICATIONS). PRIOR TO INSTALLING THE MEMBRANE OR COATING, THIS CORNER SHOULD BE FLASHED WITH A SHEET METAL BACKING (GALVANIZED STEEL, COPPER, OR OTHER METAL SPECIFIED BY THE COATING MANUFACTURER) THE EXTENDS A MINIMUM OF 4" UP UNDER THE EXTERIOR FINISH AND 4" OUT ONTO THE DECK. THE HORIZONTAL FLANGE IS FASTENED EVERY 3 IN., OR AS RECOMMENDED BY THE MANUFACTURER AND THE JOINTS ARE SEALED. AT THE DECK EDGE THE SHEET METAL SHOULD EXTEND OUT OVER THE FRONT FACE WITH A MINIMUM 4" COVERAGE, AND TERMINATE IN A HEMMED DIVERTER.

WHERE A DECK EDGE MEETS A CONTINUOUS WALL, IT OFTEN INCORPORATES A SHEET METAL DIVERTER - AN EXTENSION OF THE DECK EDGE THAT IS PERPENDICULAR TO THE WALL. THIS DIVERTER IS TYPICALLY 4 IN. TALL AND EXTENDS 4 IN. BEYOND THE EXTERIOR FINISH. SOME INSTALLATIONS MAY ALSO REQUIRE A WALL FLANGE THAT EXTENDS BEYOND THE DECK EDGE TO GUARD AGAINST SPLASHBACK.

POSTS ---- THE EDGES AND CORNERS OF COATED DECKS FREQUENTLY INCORPORATE VERTICAL OSTS IN THE FORM OF RAILING NEWELS OR PRIMARY STRUCTURAL SUPPORTS FOR THE DECK. SQUARE OR ROUND, THESE FEATURES MUST BE FLASHED CAREFULLY TO ENSURE THEIR LONGEVITY.

TYPICAL POST FLASHING INVOLVES CUTTING A REGLET OR KERF IN THE POST TO ACCEPT EITHER A ONE-PIECE OR TWO- PIECE SYSTEM OF COPPER, GALVANIZED STEEL, OR OTHER METAL SPECIFIED BY THE COATING MANUFACTURER. IN A TWO-PIECE SYSTEM BASE FLASHING EXTENDS UP TO THE REGLET AND ONTO THE DECK, WHERE IT IS SECURED WITH COMPATIBLE FASTENERS. THE DECK COATING OR MEMBRANE COVERS THIS FLASHING UP THE POST AS SPECIFIED BY THE MANUFACTURER. COUNTER FLASHING, SECURED IN THE REGLET WITH APPROPRIATE SEALANT, EXTENDS DOWN THE POST OVER THE BASE FLASHING A MINIMUM OF 4 IN.

WHERE THE POST APPREARS AT A DECK CORNER, THE REGLET WILL NEED TO BE CUT IN TWO FACES OF THE POST. THE GEOMETRY OF THE CORNER USUALLY DEMANDS A TWO-PIECE SYSTEM, WITH BASE AND COUNTER FLASHINGS FABRICATED AS CORNERS, AND ALL JOINTS SEALED.

SHEET METAL FLASHING OVERVIEW

SPECIFICATIONS ARE FROM THE "RESIDENTIAL SHEET METAL GUIDELINES", SHEET METAL AND AIR CONDITIONING CONTRCTORS' NATIONAL ASSOCIATION (SMACNA). ALL FLASHING FOLLOW THE MANUFACTURES INSTALLATION SPECIFICATIONS GUIDE LINES.

PROVIDE STEP FLASHING @ **ROOF/WALL** INTERSECTION

BARRIER

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E102 1/4" = 1'-0"

LIGHTING & POWER - 2ND FLOOR

42

FLOOR & ATTIC

E102

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MECHANICAL UNIT

- 3"ø EXHAUST

4" DRYER VENT NOTE: PROVIDE VENT PIPE DISTANCE AND LABEL ON DRYER BOX

1 SECOND FLOOR - MECHANICAL

OUTDOORS SHALL BE FITTED

WITH LOCKING TYPE TAMPER-RESISTANT CAPS

8" WALL CAP KITCHEN

EXHAUST FAN

2 FIRST FLOOR - MECHANICAL

S

<u>ROOF</u>

SECOND FLOOR

SHUT OFF VALVE EXISTING GAS METER FIRST FLOOR TO GAS SOURCE

BASEMENT FLOOR _ _ __ _ _ _ _ _ _ _ _ _ _

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NOTES:

- 350 MBH LOAD DESIGNED FOR THIS PEROJECT MAX

- DEVELOPED LENGTH FOR THIS SERVICE IS 100' FT

- PAINT NEW GAS LINE TO MATCH CLG COLOR, LOCATE

- LINE CLOSE TO CLG AND WALL AS POSSIBLE

- PRESSURE DROP 0.5 in IN wc

- INLET PRESSURE 0.5 PSI

D OR RECREATED BY ANY MEANS WITHOUT WRITTEN APPROVAL FROM S2R ARCHITECTS. FAILURE TO COMPLY WILL RESULT IN LEGAL ACTION AND PROSECUTION.

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1/4" = 1'-0"

FRAMING PLAN - 2ND FLOOR

22

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