SNOW
WIND (3-SECOND 6UST)
SEISMIC
FLOOR DESIGN LIVE LOADS GENERAL STRUCTURAL NOTES WALLACE RESIDENCE, 0295 S.

ATHING, TYPICAL:

OD, C-D GRADE W/ EXTERIOR

FANEL INDEX, OR EQUIVALENT

W/ 8d COMMON (OR EQUAL) AT

ALL PANEL EDGES AND AT 12"

L INTERIOR SUPPORTS.

THE FOUNDATION SHALL BE SUPPORTED ON A CAST-IN-PLACE GRADE BEAM AND STRAIGHDRILLED PIER CONCRETE FOUNDATION WITH THE FOLLOWING MINIMUM CHARACTERISTICS: THE ALLOWABLE SOIL DESIGN CRITERIA WERE ASSUMED FOR THE PURPOSES OF THE STRUCTURAL DESIGN OF THE FOUNDATION SYSTEM. THE OWNER IS RESPONSIBLE FOR HAVING THE ASSUMED FOUNDATION CRITERIA VERIFIED BY A QUALIFIED SOIL ENGINEER PRIOR TO CONSTRUCTION. IF THE ORIGINAL DESIGN CRITERIA CANNOT BE CONFIRMED, CONTACT THE ENGINEER FOR FURTHER DESIGN AND CONSTRUCTION REQUIREMENTS.

THE FOUNDATION WAS DES

EXTEND PIER REINFORCING A MINIMUM OF 36" INTO THE GRADE BEAMS AND WALLS. A FULL WALL WIDTH VOID SPACE AT LEAST 6" DEEP SHALL BE PLACED BELOW ALL GRADE BEAMS BETWEEN PIERS. THE VOID SHALL BE UNDAMAGED AT THE TIME OF CONCRETE PLACEMENT. SLOPE PERIMETER GRADE AWAY FROM FOUNDATION. SIZE:

TOTAL LENGTH:

VERIFIED BEDROCK EMBEDMENT:

FULL DEPTH REINFORCEMENT:

ALLOMABLE END BEARING PRESSURE:

ALLOMABLE SIDE SHEAR:

DEAD LOAD END BEARING PRESSURE: IO"# 25'-O" BELOW EXCAVATION IO'-O" (3)-#5, GRADE 60 I5,000 PSF I5,000 PSF I5,000 PSF

WALL PANELS MUST EXTEND FULL HEIGHT

BETWEEN PLATES AND CONTINUOUS RIM JOISTS

CONCRETE SHALL CONFORM TO THE APPLICABLE 28 DAY COMPRESSIVE STRENGTH AS FOLLOMS: CONCRETE AND REINFORCEMENT ALL GARAGE SLAB & PAVEMENT CONCRETE: ALL FOUNDATION \$ FOOTING CONCRETE: VISIONS OF LATEST

CONCRETE MUST BE PLACED CONTINUOUSLY WITHOUT HORIZONTAL COLD JOINTS. IF COLD JOINT IS DESIRED, APPROPRIATE VERTICAL REINFORCEMENT MUST BE PROVIDED. REINFORCEMENT FABRICATED AND PLACED IN ACCORD (ACI-315). STRUCTURAL STEEL CONCRETE MUST BE PLACED ACCORDING TO ALL ACI COLD WEATHER CONCRETE REQUIREMENTS AS TEMPERATURE AT THE TIME OF PLACEMENT REQUIRES. ANCE WITH ACI MANUAL

WALL PANELS MUST EXTEND FULL HEIGHT

ASTM A992 (Fy=50 KSI)

WIDE FLANGE & TEES:
OTHER ROLLED SHAPES:
(CHANNELS, ANGLES, PLATES, & BARS)
PIPE COLUMNS:
BOLTS:
WELD MATERIAL: ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED PER AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION. ALL MELDERS SHALL HAVE EVIDENCE OF HAVING PASSED THE AMS STANDARD ASTM A36 (Fy = 36 KSI) ASTM A53, GRADE B (Fy=35 KSI) ASTM A307 E70 XX ELECTRODES QUALIFICATION TEST.

PARALLEL STRAND LUMBER (PSL) Fb= 2900 PSI, E= 2,000,000 PSI

LAMINATED VENEER LUMBER (LVL, M=L) Fb= 2600 PSI, E= 1,900,000 PSI

BEAMS (5x5 & UP) FRAMING LUMBER (MAXIMUM MOISTURE CONTENT: 19%) HEM-FIR STUD & BETTER
Fb= 675 PSI, E= 1,200,000 PSI
HEM-FIR NO.2 & BETTER
Fb= 850 PSI, E= 1,300,000 PSI
DOUGLAS FIR-LARCH NO.1 & BETTER
Fb= 1350 PSI, E= 1,600,000 PSI
DOUGLAS FIR-LARCH NO.1 & BETTER
Fb= 1200 PSI, E= 1,600,000 PSI

**CYPICAL** 

**XTERIOR** 

TP

**PORC** 

DZ

STUDS

BEARING (TRIM STUD)

BEARING (TRIM STUD)

FULL-HEIGHT (KING STUD)

ALL NAILING SHALL BE PER THE BUILDING DRAWINGS.

ALL ROOF RAFTERS, TRUSSES, & BEAMS MUST BE ANCHORED WITH 18 6A. METAL FRAMING ANCHORS.

CODE EXCEPT WHERE MORE OR LARGER NAILING

PROVIDE SOLID BLOCKING OR RIM JOISTS AT ALL JOIST SUPPORTS AND JOIST ENDS. PROVIDE ALL FLOOR JOIST SYSTEMS AND ROOF TRUSS BRACING AND BRIDGING AND CONNECTIONS SPECIFIED BY JOIST/TRUSS SUPPLIER. CROSS BRIDGE ALL ROOF AND FLOOR JOISTS AT MIDSPAN WHERE BOTTOM DOES NOT RECEIVE DRYWALL OR OTHER SHEATHING. ALL PLYWOOD ROOF SHEATHING AND SUBFLOORING SHALL BE ENGINEERED GRADES WITH GRADE STAMF INDICATING APPROPRIATE MAXIMUM SPACING OF SUPPORTS (APA 32/16).

THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL PERTINENT EXISTING CONDITIONS AS SPECIFIED ON THE CONSTRUCTION DOCUMENTS AND REPORTING ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONTINUING CONSTRUCTION. THESE PLANS HAVE BEEN ENGINEERED FOR CONSTRUCTION AT ONE SPECIFIED BUILDING SITE. BU ASSUMES ALL RESPONSIBILITY FOR USE OF THESE PLANS AT ANY OTHER BUILDING SITE. METAL CONNECTOR DESIGNATIONS ARE SIMPSON STRONG-TIE COI

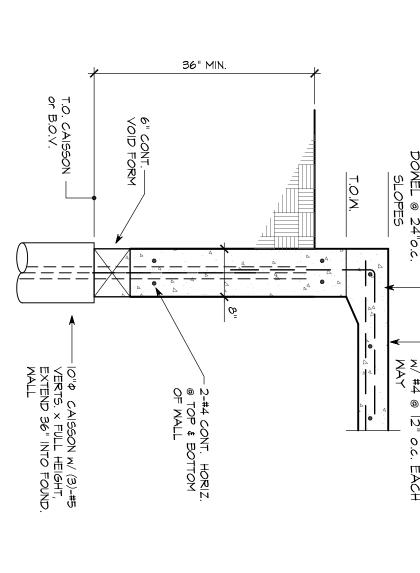
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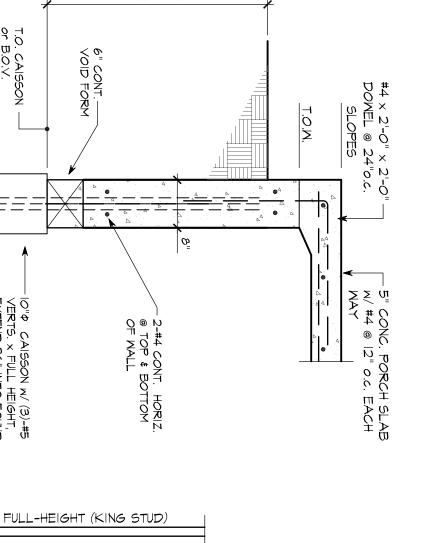
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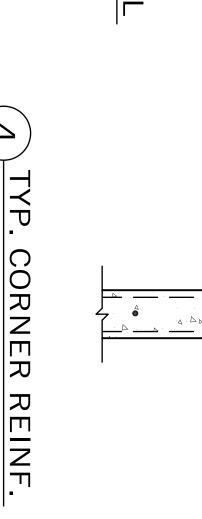
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BETWEEN SILL PLATES AND CONTINUOUS RIM JOISTS DOUBLE TOP P @ <u>4</u> CONT. 2x6 P.T. PLATE W/ \frac{1}{2}"\Phi \times 10" A.B. @ 32" o.c. UNLESS NOTED OTHERWISE PROVIDE SOLID BLOCKING @ 48"o.c. FOR 2 JOIST SPACES or DIRECTLY APPLY 1/2" GYP. BOARD CEILING TO BOTTOM OF JOISTS - 4" CONC. SLAB ON GRADE PER PLAN.





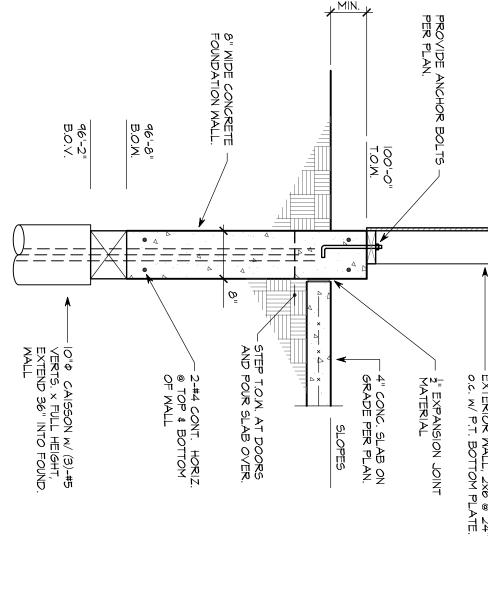


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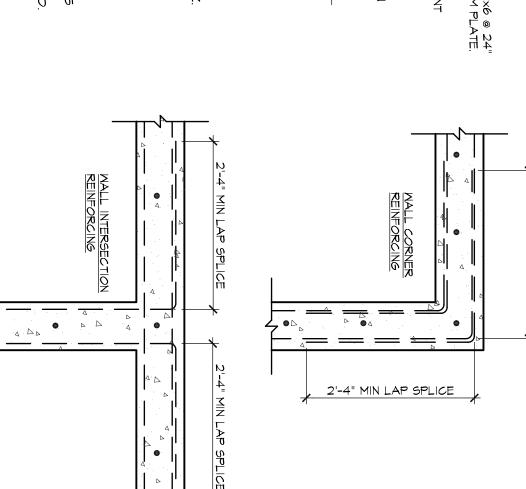
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FDN



#2.5 #URRI



<u>4</u> <u>7</u> AM

OPENING

GENERAL NOTES AND DETAILS

## WALLACE RESIDENCE

8295 S. KRAMERIA WAY CENTENNIAL, COLORADO

PROJECT # D08080	NO.	DATE	DESCRIPTION	DRAWN BY	REVIEWED BY
	I	8/12/08	C.D. SET	CRD	KAO
08					
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