PROJECT NOTES:

PROJECT DESCRIPTION:	CONSTRUCT 5 SINGLE FAMILY RESIDENCES WITH 18 PARKING SPACES, PROJECT TO INCLUDE TRASH ENCLOSURE/ BIKE STORAGE, A GRAY WATER CISTERN, STORAGE SHED AND PEA RATCH (PUBLIC FUNDED LOW INCOME HOUSING	2015 INTERNATIONAL E 2015 NATIONAL ELECT 0F LABOR AND INDUS	RIC CO
	PROJECT)	2. GENERAL CONTRACTO AND NEW UTILITIES AN CONSTRUCTION. INFOR CONTRACT DOCUMENT	DR SHA D SITE RM ARC IS AND
KING COUNTY ASSESSOR PARCEL NUMBER:	312303-9108 \$ 312303-9138	3. DO NOT SCALE DRAU	JINGS;
		4. DIMENSIONS ARE TO I ROUGH FRAMING, UNLE	FACE 0 565 NO
PROJECT ADDRESS:	9914 SW 188th ST, VASHON, WA 98010 N 85 ET OF S 105 ET OF III 250 ET OF F 280 ET OF NE 1/4 OF SE	5. FLOOR-TO-FLOOR DI	MENSIO
LEGAL DESCRIPTION:	1/4 ≰ N 145 FT OF S 250 FT OF W 250 FT OF E 280 FT OF NE 1/4 OF SE 1/4	PLATES, UNLESS NOTE 6. PROVIDE SOLID BLC ACCESSORIES (THIS F	:D OTH PCKING PROJEC
ZONING:	R-8P		
PROJECT NUMBER:			
CONSTRUCTION TYPE:	V-B SPRINKLED (NFPA 13D) (ALTERNATE FOR I HR RATING BETWEEN SLEEPING UNITS)	ADD'L NOTE	S <i>:</i>
PROPOSED USE:	R3	- OPENINGS SHALL BE C	
LOT AREA:	57,500 SF (1.32 ACRES)	- SEAL TEARS AND JOIN - MOISTURE CONTROL TO	IS IN IN BE PF
BASE DENSITY:	8 DWELLING UNITS/ ACRE	- HOT WATER HEATERS S ENERGY CONSERVATIO	HALL C N ACT.
MIN. STREET SETBACK:	IO FEET	- SEISMIC STRAP FOR EX - SERVICE WATER PIPES WA STATE ENERGY COI	IN UNHE DE
MIN. INTERIOR SETBACK	5 FEET	- PROVIDE SMOKE DETE	CTORS/
BASE HEIGHT:	35 FEET	- SMOKE DETECTORS SH BATTERY BACKUP.	ALL BE
MAX. IMPERVIOUS SURF,	ACE: 75%	- PROVIDE FIRE BLOCKI	NG, DRA
BUILDING HEIGHT:	ALLOWABLE BUILDING HEIGHT 35 FEET		
	MAX BUILDING HT.= 23'-1" OK	SEWER:	١
		WATER:	ι
CRITICAL AREA:	CRITICAL AQUIFER RECHARGE AREA (CATEGORY 3)	FIRE DISTRICT:	Ņ
		SCHOOL DISTRICT:	١
PARKING REQUIREMENTS	: PER K.C.C. 21A.08.030.A REQUIRES 2 PARKING SPACES PER SINGLE DETACHED UNIT		
	5 SINGLE FAMILY UNITS X 2 PARKING SPACES PER UNIT= 10 PARKING SPACES REQUIRED		
	18 PARKING SPACES PROVIDED 2 ADA SPACES		
IMPERVIOUS SURFACE:	ALLOWABLE IMPERVIOUS 15% OF 51,500 SF SEE SITE PLAN FOR LOT IMPERVIOUS NUMBERS		
	SINGLE FAMILY DWELLING UNIT:2,180 SFSINGLE FAMILY DWELLING UNIT:2,180 SFSINGLE FAMILY DWELLING UNIT:2,180 SFSINGLE FAMILY DWELLING UNIT:2,180 SFSINGLE FAMILY DWELLING UNIT:2,180 SFPARKING LOT:8,065 SFWALKWAYS:1,725 SFBIKE/ TRASH ENCLOSURE:306 SFMECHANICAL HOUSE:150 SFRAIN CISTERN:490 SFMAILBOXES:13 SFGARDEN SHED:120 SF		
	21,769 SF OF 57,500 SF= 37.85% OK		



GENERAL NOTES: 1. ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE 2015 INTERNATIONAL BUILDING CODE, 2015 WASHINGTON STATE ENERGY CODE, 2015 INTERNATIONAL RESIDENTIAL CODE, 2015 UNIFORM PLUMBING CODE, VAL ELECTRIC CODE, AND WASHINGTON STATE DEPARTMENT AND INDUSTRIES REGULATIONS.

CONTRACTOR SHALL VERIFY AND COORDINATE ALL EXISTING ILITIES AND SITE CONDITIONS BEFORE AND DURING ION. INFORM ARCHITECT OF VARIATIONS BETWEEN DOCUMENTS AND EXISTING CONDITIONS.

CALE DRAWINGS; VERIFY ALL DIMENSIONS ON THE JOB.

IS ARE TO FACE OF FOUNDATION WALLS AND FACE OF AMING, UNLESS NOTED OTHERWISE.

-FLOOR DIMENSIONS FROM TOP OF SUBFLOOR TO TOP LESS NOTED OTHERWISE.

SOLID BLOCKING BEHIND ALL WALL HUNG FIXTURES AND RIES (THIS PROJECT WILL HAVE WALL HUNG TOILETS/ETC).

HALL BE CAULKED, SEALED, OR WEATHERSTRIPPED. AND JOINTS IN INSULATION WITH TAPE.

ONTROL TO BE PROVIDED PER WA STATE ENERGY CODE. HEATERS SHALL COMPLY WITH THE NATIONAL APPLIANCE

AP FOR EXIST. WATER HEATER. EXISTING TO REMAIN. TER PIPES IN UNHEATED SPACES SHALL BE INSULATED PER

10KE DETECTORS/CARBON MONOXIDE SENSORS & SPRINKLERS PER IRC CTORS SHALL BE POWERED BY THE BUILDING WIRING WITH A

RE BLOCKING, DRAFTSTOPS AND FIRESTOPS PER THE IRC

VASHON SEWER DISTRICT

WATER DISTRICT 19 (JIM MCRAE)

VASHON FIRE & RESCUE, CHARLES H. KRIMMERT, FIRE CHIEF

VASHON SCHOOL DISTRICT

SCOPE OF WORK:

CONSTRUCT 5 SINGLE FAMILY RESIDENCES WITH 8 SLEEPING UNITS/BEDROOMS IN EACH HOUSE WITH 18 PARKING SPACES. PROJECT TO INCLUDE TRASH ENCLOSURE/ BIKE STORAGE, A GRAY WATER CISTERN W/ PUMP EQUIPMENT SHED & PEA PATCH AND GARDEN STORAGE SHED. SEE PLANS.

- 1. DEMOLISH EXISTING MULTI-FAMILY STRUCTURE ON SITE (5 UNITS VACANT.
- 2. PROVIDE FIRE SPRINKLERS (NFPA 13D) IN ALL NEW RESIDENCES.
- 3. PROVIDE NEW FIRE HYDRANT ON SITE PER VASHON FIRE DEPARTMENT

4. PARKING LOT DESIGNED TO SUPPORT FIRE TRUCK AND ALLOW FOR "DRIVE-THRU" TRUCK ACCESS PER COORDINATION WITH VASHON FIRE DEPARTMENT.

4. SPRINKLER CONTROL PANEL TO BE LOCATED IN EACH HOUSE NEAR ENTRY PER PLAN - ANY ALTERNATE LOCATIONS TO BE COORDINATED WITH ARCHITECT.

5. NEW EXTERIOR LIGHTING TO BE VERIFIED ON TIMER OR PHOTOCELL AND SCREENED/SHIELDED TO PREVENT OFF SITE GLARE.

ENERGY NOTES: WSEC 2015

INSULATION \$	FENESTRAT	ION ROMTS BY C	OMPONENT - C	LIMATE ZONE	4C - KING	COUNTY - TA	ABLE R402.1.1
FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	CEILING R-VALUE	WOOD FRAMED WALL R-VALUE	MASS WALL R-VALUE	FL <i>OO</i> R R-VALUE	BELOW GRADE WALL R-VALUE	SLAB R-VALUE AND DEPTH
.30	.50	R-49 R-38 @ VAULTS	R-21	R-21/R-21	R-30	R-10/R-15/R-21 INT + TB	R-10 2 FT

1. ALL NEW HEADERS IN EXTERIOR WALLS SHALL BE INSULATED TO R-10 (RIGID INSULATION BETWEEN 2-2x8'S - 4X8 EQUIVALENT)

2. MINIMUM 15% OF ALL NEW INTERIOR LUMINAITES SHALL BE HIGH EFFICIENCY LUMINAIRES.

3. CONTRACTOR SHALL COMPLETE AND POST AN "INSULATION CERTIFICATE FOR RESIDENTIAL CONSTRUCTION" WITHIN 3' OF THE ELECTRIC PANEL PRIOR TO FINAL INSPECTION. WWW.SEATTLE.GOV/DPD/CODESRULES/CODES/ENERGY/FORMS/DEFAULT.HTM

4. ADDITIONAL ENERGY CREDITS REQUIRED FOR MEDIUM DWELLING UNITS .- 3.5 CREDITS RQD 5A - EFFICIENT WATER HEATER - ALL SHOULER-HEAD AND KITCHEN SINK FAUCETS INSTALLED IN THE HOUSE SHALL BE RATED AT 1.75 GPM OR LESS. ALL OTHER LAVATORY FAUCETS SHALL BE RATED AT 1.0 GPM OR LESS. 6 - RENEWABLE ELECTRIC ENERGY - 3 CREDITS - PROVIDE SOLAR PANELS THAT PRODUCE 7,200 KWH ANNUALLY.

CONTRACTOR ALSO HAS THE OPTION TO PROPOSE ALTERNATE METHODS TO MEET THESE ADDITIONAL ENERGY CREDITS - THESE OPTIONS ARE TO BE REVIEWED & APPROVED BY ARCHITECT

VICINITY MAP:





PROJECT DIRECTORY:

OWNER:	CHRIS SZALA VASHON HOUSEHOLD PO BOX 413 VASHON ISLAND, WA 98070 (206)463-6455 CHRIS®VASHONHOUSEHOLD.ORG
	CHRIS®VASHONHOUSEHOLD.ORG

ARCHITECT: FORM + FUNCTION ARCHITECTURE 1800 WESTLAKE AVE N., SUITE 205 SEATTLE, WA 98109 JTUCKERARCH@PEOPLEPC.COM (206) 372-9796 CONTACT: JUDY TUCKER, AIA

- STRUCTURAL CT ENGINEERS ENGINEER: 180 NICKERSON ST, SUITE 302 SEATTLE, WA 98109 (206) 285-4512 CONTACT: BEN MCCANN
- CG ENGINEERING CIVIL: 250 4TH AVE S, SUITE 200 EDMONDS, WA 98020 (425)778-8500 CONTACT: JARED UNDERBRINK

SURVEYOR: TERRANE

10801 MAIN STREET, SUITE 102 BELLEVUE, WA 98004 (425)458-4488 CONTACT: JACOB MILLER

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- C2.2 TEMPORARY EROSION CONTROL DETAILS C3.1 GRADING AND DRAINAGE PALN & DETAILS
- WATER AND SEWER PLAN C4.1
- C4.2 WATER AND SEWER DETAILS
- C5.1 SITE IMPROVEMENT PLAN & DETAILS

LANDSCAPE

L1 PLANTING PLAN L2 NOTES AND DETAILS GEO TECH: GEO TECH NW 2401 IOTH AVENUE EAST SEATTLE, WA 98102 (425)747-5618 CONTACT: ROBERT WARD

TRAFFIC ENG: GIBSON TRAFFIC CONSULTANTS 2813 ROCKEFELLER AVE. SUITE B EVERETT, WA 98201 (425)339-8266 CONTACT: ZACH WIEBEN

LANDSCAPE: GLEN TAKAGI 18550 FIRLANDS WAY NORTH #102 SHORELINE, WA 98133 (206)542-6100 CONTACT: GLEN TAKAGI

- LANDSCAPE: RAIN BANK (330)347-8142 CONTACT: CHAD LINDSLY
- CONTRACTOR: KRUSE CONSTRUCTION 8885 42ND AVE SW SEATTLE, WA 98136 (206) 715-4900 ROBERT@RKRUSECOMPANY.COM CONTACT: ROBERT KRUSE

ARCHITECTURAL

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SHEET NO.

LEGAL DESCRIPTION

(PER STATUTORY WARRANTY DEED RECORDING# 20180430000949) PARCEL A:

THE NORTH 145 FEET OF THE SOUTH 230 FEET OF THE FOLLOWING DESCRIBED PROPERTY:

THAT PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 31, TOWNSHIP 23 NORTH, RANGE 3 EAST, W.M., IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID SUBDIVISION;

THENCE SOUTH 89°49'00" WEST ALONG THE SOUTHERLY LINE THEREOF A DISTANCE OF 30 FEET; THENCE NORTH, PARALLEL TO THE EAST LINE OF SAID SUBDIVISION A DISTANCE OF 20 FEET TO THE INTERSECTION OF THE NORTHERLY MARGIN OF THE COUNTY ROAD KNOWN AS SOUTHWEST 188TH STREET WITH THE WEST MARGIN OF THE COUNTY ROAD KNOWN AS 99TH AVENUE SOUTHWEST AND THE TRUE POINT OF BEGINNING OF THE TRACT HEREIN DESCRIBED;

THENCE CONTINUING NORTH, ALONG THE WEST MARGIN OF 99TH AVENUE SOUTHWEST, A DISTANCE OF 330 FEET; THENCE SOUTH 89°49'00" WEST, PARALLEL TO THE SOUTHERLY LINE OF SAID SUBDIVISION, A DISTANCE OF 250 FEET; THENCE SOUTH, PARALLEL TO THE WEST MARGIN OF 99TH AVENUE SOUTHWEST A DISTANCE OF 330 FEET TO THE NORTHERLY MARGIN

OF SOUTHWEST 188TH STREET; THENCE EASTERLY, ALONG SAID NORTHERLY MARGIN 250 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL B:

THAT PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 31, TOWNSHIP 23 NORTH, RANGE 3 EAST, W.M., IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID SUBDIVISION:

THENCE SOUTH 89°49'00" WEST ALONG THE SOUTHERLY LINE THEREOF A DISTANCE OF 30 FEET;

THENCE NORTH PARALLEL TO THE EAST LINE OF SAID SUBDIVISION A DISTANCE OF 20 FEET TO THE INTERSECTION OF THE NORTHERLY MARGIN OF THE COUNTY ROAD, KNOWN AS SOUTHWEST 188TH STREET, WITH THE WEST MARGIN OF THE COUNTY ROAD KNOWN AS 99TH AVENUE SOUTHWEST AND THE TRUE POINT OF BEGINNING OF TRACT HEREIN DESCRIBED; THENCE NORTH ALONG THE WEST MARGIN OF 99TH AVENUE SOUTHWEST A DISTANCE OF 85 FEET; THENCE SOUTH 89°49'00" WEST PARALLEL TO THE SOUTHERLY LINE

OF SAID SUBDIVISION A DISTANCE OF 250 FEET; THENCE SOUTH PARALLEL TO THE WEST MARGIN OF 99TH AVENUE SOUTHWEST A DISTANCE OF 85 FEET TO THE NORTHERLY MARGIN OF SOUTHWEST 188TH STREET;

THENCE EASTERLY ALONG SAID NORTHERLY MARGIN 250 FEET TO THE TRUE POINT OF BEGINNING.

BASIS OF BEARINGS

A BEARING OF N 01°12'15" E BETWEEN FOUND MONUMENTS ON CENTERLINE OF VASHON HWY SW PER R1.

REFERENCES

R1. RECORD OF SURVEY, VOL. 108, PG. 2, RECORDS OF KING COUNTY, WASHINGTON.

VERTICAL DATUM

NAVD88 PER KING COUNTY BENCHMARK 5211 FOUND CONCRETE MONUMENT WITH 3" BRASS CAP, SET 0.3' BELOW GRADE.STAMPED WITH THE AGENCY AND THE SECTIONS. LOCATED IN THE CENTER OF INTERSECTION OF VASHON HIGHWAY SW AND SW 192ND ST.

SURVEYOR'S NOTES

- I. THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED IN MAY OF 2019. THE FIELD DATA WAS COLLECTED AND RECORDED ON MAGNETIC MEDIA THROUGH AN ELECTRONIC THEODOLITE. THE DATA FILE IS ARCHIVED ON DISC OR CD. WRITTEN FIELD NOTES MAY NOT EXIST. CONTOURS ARE SHOWN FOR CONVENIENCE ONLY. DESIGN SHOULD RELY ON SPOT ELEVATIONS.
- 2. ALL MONUMENTS SHOWN HEREON WERE LOCATED DURING THE COURSE OF THIS SURVEY UNLESS OTHERWISE NOTED.
- 3. THE TYPES AND LOCATIONS OF ANY UTILITIES SHOWN ON THIS DRAWING ARE BASED ON INFORMATION PROVIDED TO US, BY OTHERS OR GENERAL INFORMATION READILY AVAILABLE IN THE PUBLIC DOMAIN INCLUDING, AS APPLICABLE, IDENTIFYING MARKINGS PLACED BY UTILITY LOCATE SERVICES AND OBSERVED BY TERRANE IN THE FIELD. AS SUCH, THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHOULD NOT BE RELIED ON FOR DESIGN OR CONSTRUCTION PURPOSES; TERRANE IS NOT RESPONSIBLE OR LIABLE FOR THE ACCURACY OR COMPLETENESS OF THIS UTILITY INFORMATION. FOR THE ACCURATE LOCATION AND TYPE OF UTILITIES NECESSARY FOR DESIGN AND CONSTRUCTION, PLEASE CONTACT THE SITE OWNER AND THE LOCAL UTILITY LOCATE SERVICE (800-424-5555).
- 4. SUBJECT PROPERTY TAX PARCEL NO. 312303-9138 & 312303-9108.
- 5. SUBJECT PROPERTY AREA PER THIS SURVEY IS 57,500 ±S.F. (1.32 ACRES) FOR PARCEL #312303-9138=36,250 ±S.F. (0.83 ACRES) FOR PARCEL #312303-9108=21,250 ±S.F. (0.49 ACRES)
- 6. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST THAT ARE NOT SHOWN HEREON.
- 7. FIELD DATA FOR THIS SURVEY WAS OBTAINED BY DIRECT FIELD MEASUREMENTS WITH A CALIBRATED ELECTRONIC 5-SECOND TOTAL STATION AND/OR SURVEY GRADE GPS OBSERVATIONS. ALL ANGULAR AND LINEAR RELATIONSHIPS ARE ACCURATE AND MEET THE STANDARDS SET BY WAC 332-130-090.







GENERAL OBSERVATIONS ON SITE AND OUR CURSORY REVIEW OF READILY AVAILABLE PUBLIC DOCUMENTS; AS SUCH, TERRANE CANNOT BE LIABLE OR RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY STEEP SLOPE INFORMATION. ULTIMATELY, THE LIMITS AND EXTENT OF ANY STEEP SLOPES ASSOCIATED WITH ANY SETBACKS OR OTHER DESIGN OR CONSTRUCTION PARAMETERS MUST BE DISCUSSED AND APPROVED

TOPOGRAPHIC & BOUNDARY SURVEY

SHEET NUMBER

1 OF 1



NE 1/4, SE 1/4, SECTION 31, TOWNSHIP 23 NORTH, RANGE 3 EAST, W.M. ISLAND CENTER HOMES CAUTIC CAUTIC CALL BEFORE 9914 SW 188TH STREET VASHON ISLAND, WA 98070

OWNER

VASHON HOUSEHOLD PO BOX 413 VASHON ISLAND, WA 98070 206.463.6454 CONTACT: CHRIS SZALA

CONSULTANTS

ARCHITECT FORM + FUNCTION ARCHITECTURE 1800 WESTALKE AVE N #205 SEATTLE. WA 98109 206.372.9796 CONTACT: JUDY TUCKER

SOIL/GEOTECH ENGINEER GEOTECH CONSULTANTS 2401 10TH AVE E SEATTLE. WA 98102 425.747.5618 CONTACT: ROBERT WARD

CIVIL ENGINEER CG ENGINEERING 250 4TH AVE S, SUITE 200 EDMONDS. WA 98020 425.778.8500 FAX 778.5536 CONTACT: JARED UNDERBRINK, PE

SURVEYOR TERRANE 10801 MAIN STREET, SUITE 102 BELLEVUE, WA 98004 425.458.4488

UTILITIES

WATER WATER DISTRICT 19 P.O. BOX T VASHON, WA 98070 206.463.9219

SEWER VASHON SEWER DISTRICT 9621 SW 171ST STREET VASHON, WA 98070 206.463.9219

GENERAL NOTES

GENERAL NOTES

- 1. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS. THE KING COUNTY CODE (KCC). ROAD STANDARDS (KCRS). WASHINGTON STATE DOT (WSDOT) STANDARD SPECIFICATIONS AND THE CONDITIONS OF PRELIMINARY APPROVAL. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL CIVIL ENGINEER TO CORRECT ANY FREOR, OMISSION, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS, ALL CORRECTIONS SHALL BE AT NO ADDITIONAL COST OR LIABILITY TO KING COUNTY.
- THE DESIGN ELEMENTS WITHIN THESE PLANS HAVE BEEN REVIEWED ACCORDING TO THE KING COUNTY DEPARTMENT OF PERMITTING AND ENVIRONMENTAL REVIEW (DPER) ENGINEERING REVIEW CHECKLIST. SOME ELEMENTS MAY HAVE BEEN OVERLOOKED OR MISSED BY THE DPER PLAN REVIEWER. ANY VARIANCE FROM ADOPTED STANDARDS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY KING COUNTY PRIOR TO CONSTRUCTION.
- APPROVAL OF THIS ROAD, GRADING, PARKING AND DRAINAGE PLAN DOES NOT CONSTITUTE AN APPROVAL OF ANY OTHER CONSTRUCTION (E.G. DOMESTIC WATER CONVEYANCE, SEWER CONVEYANCE, GAS, ELECTRICAL, ETC.)
- BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING MUST BE HELD BETWEEN THE DPER'S LAND USE INSPECTION SECTION, THE APPLICANT. AND THE APPLICANT'S CONSTRUCTION REPRESENTATIVE. 5. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER
- CONSTRUCTION IS IN PROGRESS. 6. GRADING ACTIVITIES (SITE ALTERATION) ARE LIMITED TO THE HOURS OF 7 A.M. TO 7 P.M. MONDAY THROUGH SATURDAY AND 10 A.M. TO 5 P.M. ON SUNDAY. UNLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY THE REVIEWING AGENCY.
- 7. IT SHALL BE THE APPLICANT'S/CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS NECESSARY BEFORE INITIATING OFF-SITE WORK.
- EASEMENTS REQUIRE REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. 8. FRANCHISED UTILITIES OR OTHER INSTALLATIONS THAT ARE NOT SHOWN ON THESE APPROVED PLANS SHALL NOT BE CONSTRUCTED UNLESS AN APPROVED SET OF PLANS THAT MEET ALL REQUIREMENTS OF KCRS CHAPTER 8 ARE SUBMITTED TO THE DPER'S LAND USE INSPECTION SECTION THREE DAYS PRIOR TO CONSTRUCTION.
- 9. DATUM SHALL BE KCAS UNLESS OTHERWISE APPROVED BY DPER. 10. DEWATERING SYSTEM (UNDERDRAIN) CONSTRUCTION SHALL BE WITHIN A RIGHT-OF-WAY OR APPROPRIATE DRAINAGE EASEMENT, BUT NOT UNDERNEATH THE ROADWAY SECTION. ALL UNDERDRAIN SYSTEMS MUST BE CONSTRUCTED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS.
- 11. ALL UTILITY TRENCHES AND ROADWAY SUBGRADE SHALL BE BACKFILLED AND COMPACTED TO 95 PERCENT DENSITY, STANDARD PROCTOR. 12. OPEN CUTTING OF EXISTING ROADWAYS FOR NON-FRANCHISED UTILITY OR
- STORM WORK IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY DPER AND NOTED ON THESE APPROVED PLANS. ANY OPEN CUT SHALL BE RESTORED IN ACCORDANCE WITH KCRS. 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE
- SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL APPLY. WORK IN RIGHT-OF-WAY IS NOT AUTHORIZED UNTIL A TRAFFIC CONTROL PLAN IS APPROVED BY KING COUNTY.

EROSION CONTROL NOTES

- APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, **RETENTION FACILITIES, UTILITIES, ETC.).**
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION. MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE **RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION** IS APPROVED
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FENCING, IF REQUIRED, PRIOR TO CONSTRUCTION (SWDM APPENDIX D). DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
- 4. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.
- 5. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, FLOW CONTROL BMP LOCATIONS (EXISTING AND PROPOSED), AND ADJACENT PROPERTIES IS MINIMIZED.
- 6. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.) AS DIRECTED BY KING COUNTY.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.
- 8. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO CONSECUTIVE DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
- 9. ANY AREA NEEDING ESC MEASURES THAT DO NOT REQUIRE IMMEDIATE
- ATTENTION SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS. 10. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH DURING THE DRY SEASON, BI-MONTHLY DURING THE WET SEASON, OR WITHIN TWENTY FOUR (24) HOURS FOLLOWING A STORM EVENT.
- 11. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- 12. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE ROUGH GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY. FLOW CONTROL BMP AREAS (EXISTING OR PROPOSED) SHALL NOT BE USED AS TEMPORARY FACILITIES AND SHALL BE PROTECTED FROM SEDIMENTATION AND INTRUSION
- 13. COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE KING COUNTY SURFACE WATER DESIGN MANUAL.
- 14. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DPER INSPECTOR.



CAUTION!

BURIED UTILITIES EXIST IN THE AREA AND UTILITY NFORMATION SHOWN MAY NOT BE COMPLETE. CONTACT THE ONE- CALL UTILITY LOCATE SERVICE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION

1-800-424-5555

LEGAL DESCRIPTION

PARCEL A:

THE NORTH 145 FEET OF THE SOUTH 230 FEET OF THE FOLLOWING DESCRIBED PROPERTY

THAT PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 31, TOWNSHIP 23 NORTH, RANGE 3 EAST, W.M., IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID SUBDIVISION;

THENCE SOUTH 89°49'00" WEST ALONG THE SOUTHERLY LINE THEREOF A DISTANCE OF 30 FEET THENCE NORTH. PARALLEL TO THE EAST LINE OF SAID SUBDIVISION A DISTANCE OF 20 FEET TO THE INTERSECTION OF THE NORTHERLY

MARGIN OF THE COUNTY ROAD KNOWN AS SOUTHWEST 188TH STREET WITH THE WEST MARGIN OF THE COUNTY ROAD KNOWN AS 99TH AVENUE SOUTHWEST AND THE TRUE POINT OF BEGINNING OF THE TRACT HEREIN DESCRIBED;

THENCE CONTINUING NORTH, ALONG THE WEST MARGIN OF 99TH AVENUE SOUTHWEST, A DISTANCE OF 330 FEET

[HENCE SOUTH 89°49'00" WEST, PARALLEL TO THE SOUTHERLY LINE OF SAID SUBDIVISION, A DISTANCE OF 250 FEET THENCE SOUTH, PARALLEL TO THE WEST MARGIN OF 99TH AVENUE SOUTHWEST A DISTANCE OF 330 FEET TO THE NORTHERLY MARGIN OF SOUTHWEST 188TH STREET

THENCE EASTERLY, ALONG SAID NORTHERLY MARGIN 250 FEET TO THE TRUE POINT OF BEGINNING

PARCEL B:

THAT PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 31. TOWNSHIP 23 NORTH, RANGE 3 EAST, W.M., IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID SUBDIVISION;

THENCE SOUTH 89°49'00" WEST ALONG THE SOUTHERLY LINE THEREOF A DISTANCE OF 30 FEET THENCE NORTH PARALLEL TO THE EAST LINE OF SAID SUBDIVISION A DISTANCE OF 20 FEET TO THE INTERSECTION OF THE NORTHERLY MARGIN OF THE COUNTY ROAD, KNOWN AS SOUTHWEST 188TH STREET, WITH THE WEST MARGIN OF THE COUNTY ROAD KNOWN AS 99TH AVENUE SOUTHWEST AND THE TRUE POINT OF BEGINNING OF TRACT HEREIN DESCRIBED

THENCE NORTH ALONG THE WEST MARGIN OF 99TH AVENUE SOUTHWEST A DISTANCE OF 85 FEET THENCE SOUTH 89°49'00" WEST PARALLEL TO THE SOUTHERLY LINE OF SAID SUBDIVISION A DISTANCE OF 250 FEET

THENCE SOUTH PARALLEL TO THE WEST MARGIN OF 99TH AVENUE SOUTHWEST A DISTANCE OF 85 FEET TO THE NORTHERLY MARGIN OF SOUTHWEST 188TH STREET THENCE EASTERLY ALONG SAID NORTHERLY MARGIN 250 FEET TO THE TRUE POINT OF BEGINNING.

SWPPS NOTES:

1.

ALL POLLUTANTS, INCLUDING WASTE MATERIALS, THAT OCCUR ONSITE SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE

CONTAMINATION OF STORMWATER. COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM SHALL BE

PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON THE SITE (SEE CHAPTER 173-304 WAC FOR THE DEFINITION OF INERT WASTE). ONSITE FUELING TANKS SHALL INCLUDE

SECONDARY CONTAINMENT. MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF MUST BE CONDUCTED USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. EMERGENCY REPAIRS MAY BE PERFORMED ONSITE USING TEMPORARY PLASTIC PLACED BENEATH AND, IF RAINING, OVER THE VEHICLE. APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND

PESTICIDES, SHALL BE CONDUCTED IN A MANNER AND AT APPLICATION RATES THAT WILL NOT RESULT IN LOSS OF CHEMICAL TO STORMWATER RUNOFF. MANUFACTURERS' RECOMMENDATIONS FOR APPLICATION RATES AND PROCEDURES SHALL BE FOLLOWED. MEASURES SHALL BE USED TO PREVENT OR TREAT CONTAMINATION OF

STORMWATER RUNOFF BY PH MODIFYING SOURCES. THESE SOURCES INCLUDE, BUT ARE NOT LIMITED TO, BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHING AND CURING WATERS, WASTE STREAMS GENERATED FROM CONCRETE GRINDING AND SAWING, EXPOSED AGGREGATE PROCESSES, AND CONCRETE PUMPING AND MIXER WASHOUT WATERS. STORMWATER DISCHARGES SHALL NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE WATER QUALITY STANDARD FOR PH IN THE RECEIVING WATER.

CONSTRUCTION SEQUENCE:

HOLD THE PRE-CONSTRUCTION MEETING.

POST SIGN WITH NAME AND PHONE NUMBER OF CSWPP/ESC SUPERVISOR (MAY BE CONSOLIDATED WITH THE REQUIRED NOTICE OF CONSTRUCTION SIGN). FLAG OR FENCE CLEARING LIMITS.

GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).

INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.). CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT

DEVELOPMENT. CONSTRUCT SWPPS IN ANTICIPATION OF SCHEDULED CONSTRUCTION ACTIVITY (E.G., CONCRETE-RELATED PH MEASURES FOR UTILITY, VAULT OR ROADWAY CONSTRUCTION) MAINTAIN EROSION CONTROL AND SWPPS MEASURES IN ACCORDANCE WITH

KING COUNTY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. RELOCATE EROSION CONTROL AND SWPPS MEASURES, OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL AND POLLUTANT PROTECTION IS ALWAYS IN ACCORDANCE WITH THE KING COUNTY CONSTRUCTION STORMWATER POLLUTION PREVENTION STANDARDS.

COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, OR EQUIVALENT. 10. STABILIZE ALL AREAS WITHIN SEVEN DAYS OF REACHING FINAL GRADE. 11. SEED, SOD, STABILIZE, OR COVER ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS. 15. UPON COMPLETION OF THE PROJECT, STABILIZE ALL DISTURBED AREAS AND REMOVE BMPS IF APPROPRIATE.

DATUM

NAVD 88

SHEET INDEX 1.1 COVER SHEET & GENERAL NOTES TEMPORARY EROSION CONTROL PLAN **GRADING & DRAINAGE PLAN & DETAILS** C4.1 WATER & SEWER PLAN C4.2 WATER & SEWER DETAILS C5.1 SITE IMPROVEMENT PLAN & DETAILS

BENCHMARK

NAVD88 PER KING COUNTY BENCHMARK 5211 FOUND CONCRETE MONUMENT WITH 3" BRASS CAP, SET 0.3' BELOW GRADE.STAMPED WITH THE AGENCY AND THE SECTIONS. LOCATED IN THE CENTER OF INTERSECTION OF VASHON HIGHWAY SW AND SW 192ND ST

BASIS OF BEARING

A BEARING OF N 01°12'15" E BETWEEN FOUND MONUMENTS ON CENTERLINE OF VASHON HWY SW PER R1.

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PROJECT SITE -

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	BOW	BOTTOM OF WALL	ſ	MON	MONUMENT
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▶	CU YD	CUBIC YARD	F	PVC	POLYVINYL CHLORIDE PIPE
R R	DDCVA	DOUBLE DETECTOR CHECK VALVE ASSEMBLY	F	PVI	POINT OF VERTICAL INTERSECTION
F F	DI	DUCTILE IRON PIPE	F	PVMT	PAVEMENT
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T T	MECH	MECHANICAL	١	WM	WATER METER
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250 4TH AVE. S., SUITE 200 EDMONDS, WASHINGTON 98020 PHONE (425) 778-8500 FAX (425) 778-5536 **DESIGN:** DLL ATD RAWN: CHECK: JPU JOB NO: 19310.20 DATE: 01/21/20 ດ O io ШΟ \square R R F ∞ < S L \mathbf{O} Ο 4 T - S ISI 99 VA S OSHEET:







SILT FENCE NOTES:

- USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.
- 2. THE SILT FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS (WHERE FEASIBLE). THE FENCE POSTS SHALL BE
- 3. A SHALLOW TRENCH SHALL BE EXCAVATED, ROUGHLY 6 INCHES WIDE AND 6 INCHES DEEP, UPSLOPE AND ADJACENT TO THE WOOD POSTS TO ALLOW THE LOWER EDGE OF THE FILTER FABRIC TO BE SECURED WITH GRAVEL. 4. WHEN FILTER FABRIC NOT AS STRONG AS MIRAFI 700X IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED
- OR HOG RINGS. THE WIRE MESH SHALL EXTEND INTO THE SHALLOW TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. 5. THE MIRAFI 700X FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND AT LEAST 18 INCHES OF THE FABRIC
- THE ORIGINAL GROUND SURFACE AND SHALL NOT BE STAPLED TO TREES. 6. WHEN EXTRA-STRENGTH FILTER FABRIC (MIRAFI 700X OR EQUAL) AND FOUR (4') POST SPACING IS USED, THE WIRE
- THE POSTS WITH ALL OTHER PROVISIONS OF NOTE 5 APPLYING. 7. THE TRENCH SHALL BE BACKFILLED WITH NATIVE SOIL OR 3/4" -1.5" WASHED ROCK.
- 8. FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED. THE NEWLY DISTURBED AREAS RESULTING FROM SILT FENCE REMOVAL SHALL BE IMMEDIATELY SEEDED AND MULCHED, OR OTHERWISE PERMANENTLY STABILIZED TO THE SATISFACTION OF THE CIVIL INSPECTOR.
- RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.











3. THE SOIL MOISTURE HOLDING CAPACITY OF NEW PERVIOUS SURFACES MUST BE PROTECTED IN ACCORDANCE WITH KCC 16.82.100 (F) AND (G). RETAIN DUFF LAYER OR NATIVE TOPSOIL TO MAXIMUM EXTENT PRACTICABLE. THE AMENDMENT MUST BE SUCH THAT THE REPLACED TOPSOIL IS A MINIMUM OF 8 INCHES THICK.

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2>	YARD DRAIN	383.0	(6" N): 379.15 (6" S): 379.15	-
3	ΤΥΡΕ Ι	385.8	(8" S): 381.8	-
4>	ΤΥΡΕ Ι	382.0	(8" E): 378.2 (8" W): 378.2 (8" S): 378.2 (6" N): 378.4	-
(5)	ΤΥΡΕ Ι	380.75	(8" W): 387.53	-
6	YARD DRAIN	380.25	(6" N): 387.25	-
$\langle 7 \rangle$	YARD DRAIN	381.25	(6" S): 378.25	-
8	YARD DRAIN	380.75	(6" W): 376.0 (6" E): 376.0 (6" S): 376.0	-
(9)	YARD DRAIN	376.5	(6" E): 372.55	-

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	ISLAND CENTED LONES		9914 SW 188TH STREET	VASHON ISLAND WA 98070			GRADING AND URAINAGE	DIAN AND DETAILS	LAN AND DEIALS	



17. HATCH NOTE: ALL VAULT HATCHES 2'.2' OR LARGER SHALL BE HINDED, SPRING AS CONNECTION, H20 ARTE MINIMUM, AUMINUM OR GALVANZED STEEL, FHATCH WILL HATCH IS RATED FOR CONTINUOUS AND DELIBERATE H20 TRAFFIC SERVICE. HATCHES S 18. ALL PIPE 3' AND LARGER SHALL BE DUCTLE IRON (0) OR CROO/COGE PVC (PVC), MINIMUM OR IS PRESSURE CLASS, EXCEPT WHERE TENCH BACKFILL AND LOADING DUCT AREAS SHALL BE DUCTLE IRON CLASS 53. 19. CASINGS SHALL BE DUCTLE IRON (0ASS 53. 19. CASINGS SHALL BE DUCTLE IRON CLASS 54. 19. CASINGS SHALL BE DUCTLE IRON CLASS 55. 20. CONTRACTORS WORKING WITHIN THE RIGHT OF WAY OR ON EXISTING DISTRICT INFR WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UP SCALE: NTS WATER SERVICE MINIMUM SIZING GUDELINES 1. SADOLE, CORP AND SERVICE PIPE TO BE THE SAME DIAMETER 1. SADOLE, CORP AND SERVICE PIPE TO BE THE SAME DIAMETER 1. SADOLE, CORP AND SERVICE PIPE TO BE THE SAME DIAMETER 1. SADOLE, CORP AND SERVICE UNES LONGER THAN 30 FT, ALL OTHERS SHALL BE X' MIN.	13. CONTRACTOR SHALL POTHOLE A SUFFICIENT DISTANCE AHEAD TO VERIFY DEPTH OF AND TO ANTIOPARE ANY NECESSARY CHANGES IN FITTINGS OR ALIGNMENT. 14. AN AS-BULT RECORD MUST BE SUBMITTED TO THE DISTICT BEFORE WATER SERVED 15. DEFLECTION AT PIPE AND RITTING JOINTS WILL BE ALLOWED UP TO 3.0° (11° OVER 1 16. CONTRACTOR SHALL ONLY DISPOSE OF WASTE MATERIAL AT SITES APPROVED BY KR 17. HATCH NOTE, ALI VAULT HATCHES Z'.2° OR LARGER SHALL BE HUNDED, SPRING ASS ON OR CONNECTION, HOD SATE DIMINUM, ALUMINUM OR GALVIAUED STELLE, FHATCH WILL BINNMOM DE THE OTTOR TO ANTIONES, SITELE FLATCH WILL BE OUTLIE RON (0) OR CORO/C305 DYC (PYC). 18. ALI PIPE 3° AND LARGER SHALL BE DUCTLE RON (0) OR CORO/C305 DYC (PYC). 19. CASINGS SHALL ED LORTILE RON CLASS 53. 19. CASINGS SHALL BE DUCTLE, RON (0) OR CORO/C305 DYC (PYC). 20. CONTRACTOR SUBLICIDE WITH MEDISTALLED WITH MEDISTALLED WITH MAUFACTURED PRODUCTS. 20. CONTRACTOR SUBRING WITHIN THE RICHT OF WAY OR ON EXISTING DISTIRCT INFRA-MALES AND PERPORTED CASING END SEALS. 20. CONTRACTORS WORKING WITHIN THE RICHT OF WAY OR ON EXISTING DISTIRCT INFRA-MAUFACTURED PRODUCTS. 21. CASINGS SHALL BE NEW STEEL, HOPE OR PYC; MATERIAL END MAUFACTURED PRODUCTS. 22. CASINGS SHALL BE DUCTLIE RON (ULL PHATE, RUNNERS SHALL BE DUCTLIA REAS SHALL BE DUCTLIE RON (D) ANT RESTRAINTS SHALL BE DUCTLIA REAS SHALL BE DUCTLIE RON (D) ANT RESTRAINTS SHALL BE DUCTLIA REAS SHALL REAS SHALL REAS SHALL REAS SHALL REAS SHALL REAS SHALL REAS SHAL		 SERVICE LINE FOR 1" LARGER SIZES MAY BI LONG PIPE RUNS. 	Meter Shall be 1½" minin E required depending on	IUM, ANY LENGTH. FIRE SPRINKLER DEMANDS OR
17. HATCH NOTE: ALL VAULT HATCHES 2'X' OR LARGER SHALL BE HAUGED, SPRING AS CONNECTION), H20 RATED HIMIUUM, AND DELIBERATE H20 TRAFFIC SERVICE. HATCH WIL E HATCH IS RATED FOR CONTINUOUS AND DELIBERATE H20 TRAFFIC SERVICE. HATCHES S 18. ALL PIPE 3' AND LARGER SHALL BE DUCTLE IRON (DI) OR C900/C905 PVC (PVC). MINIMUM DR 18 PRESSURE CLASS, EXCEPT WHERE TRENCH BACKFILL AND LOADING DICTRUNS AND DIPING INSTALLED WITH MEGA-LUG TYPE JOINT RESTRAINTS SHALL BE DUCTLE IRON CLASS 53. 19. CASINGS SHALL BE DUCTLE IRON CASS 53. 19. CASINGS SHALL BE NEW STEEL, HOPE OR PVC; MATERIAL AND WALL THICKNESS AT SPACED NO FARTHER THAN 8 FEET APART. RUNNERS SHALL BE MANUFACTURED PROCEAPPED WITH MANUFACTURED CASING END SEALS. 20. CONTRACTORS WORKING WITHIN THE RIGHT OF WAY OR ON EXISTING DISTRICT INFR/WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UPO WITH MANUFACTURED CASING END SEALS. 20. CONTRACTORS WORKING WITHIN THE RIGHT OF WAY OR ON EXISTING DISTRICT INFR/WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UPO WITH MANUFACTURED CASING END SEALS. WATER TYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UPO WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UPO WITH REVISED: Sep. 4, 13 WATER DISTRICT #119 SI WATER DISTRICT #19 SI WATER DISTRICT #19 SI WATER SEP. 5, 13	13. CONTRACTOR SHALL POTHOLE A SUFFICIENT DISTANCE AHEAD TO VERIFY DEPTH OF AND TO ANTICIPATE ANY RECESSARY CHANGES IN FITTINGS OR ALIGNMENT. 14. AN AS-BUILT RECORD MUST BE SUBMITTED TO THE DISTRICT BEFORE WATER SERVIC 15. DEFLECTION AT PIPE AND FITTING JOINTS WILL BE ALLOWED UP TO 3.0' (11' OVER 1 16. CONTRACTOR SHALL ONLY DISPOSE OF WASTE MATERIAL AT SITES APPROVED BY KN 17. <u>HATCH NOTE:</u> ALL VAULT HATCHES 2'X2' OR LARGER SHALL BE HINGED, SPRING ASS CONNECTION), H20 ANTED MINIMUM, ALUMINIUM OR GALVANZED STELL. F HATCH WILL BI HATCH IS RATED FOR CONTINUOUS AND DELIBERATE H20 TRAFFIC SERVICE. HATCHES SH 18. ALL PIPE 3' AND LARGER SHALL BE DUCTLE IRON (D) OR CS00/C305 PVC (PVC). RUNS AND PIPING INSTALLED WITH MEGA-LUG TYPE JOINT RESTRAINTS SHALL BE DUCTL REAS SHALL BE DUCTLE IRON (D) OR CS00/C305 PVC (PVC). RUNS AND PIPING INSTALLED WITH MEGA-LUG TYPE JOINT RESTRAINTS SHALL BE DUCTL REAS SHALL BE NEW STEEL, HDPE OR PVC; MATERIAL AND WALL THICKNESS AT SPACED ION PARTHER THAN 8 FEET APART. RUNNERS SHALL BE MANUFACTURED PRODUC CASINGS SHALL BE NEW STEEL, HDPE OR PVC; MATERIAL AND WALL THICKNESS AT SPACED NO PARTHER THAN 8 FEET APART. RUNNERS SHALL BE MANUFACTURED PRODUC CASINGS SHALL BE DUCTLE IRON (LASS 53. 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RUCTURE SHALL BE LICENSED, BONDED AND HAVE EXPERIENCE INSTALLING PUBLIC DOMESTIC REQUEST BY THE DISTRICT.

ISTRIC

NOTES

ISTRICT

E DISCRETION OF THE DISTRICT. PIPE THROUGH CASINGS SHALL BE SUPPORTED WITH RUNNER S (PSI, CALPICO, OR APPROVED EQUAL), NO BLOCKS AND STRAPS. CASING ENDS SHALL BE

JCTILE IRON PIPE SHALL BE MINIMUM CLASS 52 (12" AND SMALLER) AND PVC PIPE SHALL BE A E A STRONGER CLASS PIPE OR IN AREAS WHERE PRESSURE EXCEEDS 150 PSI. ALL HYDRANT IRON PIPE CLASS 52, NO EXCEPTIONS. PIPING INSTALLED WITHIN VAULTS OR OTHER EXPOSED

f opening, include recessed padlock hasp, drainable frame (C or U channel with pif LL BE CAST INTO VAULT LID OR RISER.

L EXISTING WATER MAINS AND CROSSING UTILITIES PRIOR TO CONSTRUCTION AND CONNECTIONS WILL BE PROVIDED. OR AS RECOMMENDED BY MANUFACTURER, WHICHEVER IS LESS. COUNTY. STOCKPILE MATERIALS ONLY ON DISTRICT APPROVED SITES.

INST FLOODING OF THE PIPE. WATER LINE UNLESS OTHERWISE PRE-APPROVED BY THE DISTRICT.

SERVICE LINES. MAINLINE SHALL BE TESTED IN SECTIONS OF NO MORE THAN 1,500 FEET. DISCRETION TO MODIFY THE TESTING REQUIREMENTS AS HE DEEMS APPROPRIATE.

IS. CONNECTION TO THE EXISTING WATER SYSTEM SHALL BE PERFORMED BY THE CONTRACTOR PELINE IS DISINFECTED AND RECEIPT OF APPROVAL OF WATER QUALITY TEST RESULTS FROM TH

N OF MAIN WITH GREATER THAN 60° of cover shall be acceptable only under the 3 shall be inspected by the district before bury. S. THRUST BLOCKING IS THE PREFERRED METHOD. RESTRAINED JOINTS ARE ALLOWED FOR AT WILL BE EXTENDED.

RACTOR SHALL EXCAVATE, RECOMPACT AND RETEST MATERIAL AT CONTRACTOR'S EXPENSE. CAL MUNICIPALITY'S REQUIREMENTS. ALL OTHER AREAS SHALL BE RESTORED TO ORIGINAL WALLS, FENCES AND OTHER IMPROVEMENTS.

BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY, LOCATE AND PROTECT ALL UTILITIES WITHIN RING ANY UTILITIES DAMAGED DURING CONSTRUCTION. SHOW THESE UTILITIES ON THE AS-BUILT) COMPACTED IN ACCORDANCE WITH THE STANDARD DETAILS AND WITH SECTIONS 7-9.3(10) AND) DURING BACKFILLING OPERATIONS WITHIN ALL ROADWAYS AND AT THE DISCRETION OF THE

E RIGHT-OF-WAY/STREET CONSTRUCTION PERMIT AS ISSUED BY KING COUNTY FOR THIS

S ADVANCE NOTIFICATION OF THE LOCAL MUNICIPALITY, WATER DISTRICT 19 AND ALL AFFECTED

DEVELOPER EXTENSION AGREEMENT (as applicable), DISTRICT STANDARD DETAILS AND THE RENT EDITION, AS ISSUED BY THE WA. STATE DEPT. OF TRANSPORTATION.

NE 1/4, SE 1/4, SECTION 31, TOWNSHIP 23 NORTH, RANGE 3 EAST, W.M.

INSTALL NEW HYDRANT OF RELOCATE EXISTING PER

ON RELOCATED HYDRANTS, REPAINT HYDRANTS WITH TWO

LOCATED HYDRANT NOTES

EX. HYDRANT,









PLA	NT SCH	EDULE	/
Qty.	Symbol	Botanical/ Common Name	Size/ Remarks
	\sim	TREES:	
1		Acer griseunm/ PAPERBARK MAPLE	min. 2" cal., Street Tree form
5		Calocedrus decurrens/ INCENSE CEDAR	min. 6'-0" hgt.
5	T T T	Parrotia p. `Vanessa'/ PERSIAN IRONWOOD	min. 2" cal.
2		Rinus contorta/ SHORE PINE	min. 6'-0" hgt.
	Chulwing (Quercus garrayana/ GARRY OAK	min. 2" cal., Street Tree form
X	\square	SHRUBS/PERENNIALS/ GROUND	D C O V E R S:
12	\bigotimes	Achillea 'Moonshine'/ YARROW	1 gal.
13	٢	Buxus s. 'Suffruiticosa'/ BOXWOOD	min. 15" spread
94	*	Carex e. `Aurea'/ BOWLES GOLDEN SEDGE	1 gal.
15	Nor All	Cornus s. 'Insanti'/ DWARF REDTWIG DOGWOOD	min. 18" spread
6	- -	Hemerocallis 'Setlla 'd Oro'/ DAYLILY	min. 18" spread
274	\bigcirc	Mahonia repens/ CREEPING MAHONIA	1 gal.
9		Myrica californica/ PACIFIC WAX MYRTLE	min. 36" hgt., trained to tree-standard form
4		Nandina d. 'Compacta'/ HEAVENLY BAMBOO	1 gal.
34	n de la companya de	Pennisetum `Hamlyn'/ DWARF FOUNTAIN GRASS	1 gal.
55	with the	Polystichum munitum / SWORD FERN	min. 5 fronds @ 12" ea.
149	\odot	Prunus I. `Mt. Vernon'/ DWARF LAUREL	min. 12 spr.
23	\bigcirc	Ribes s. `King Ed. VII'/ FLWG. CURRANT	min. 30" height
2	Ĩ.	Rosmarius o. 'Miss Jessop's Upright'/ ROSEMARY	5 gal.
61	·	Spirea j. 'Limemound'/ JAPANESE SPIREA	min. 2 gal.
9	\bigcirc	Vacinnium ovatum/ EVERGREEN HUCKLEBERRY	1 gal.
		Turf Grass Mix	Hydroseeded
		Pond Mix	Hydroseeded

* Plant names shown in 'bold' are native/ drought tolerant.

* Plant sizes are specified per the American Standard for Nursery Stock, Publication-May 2, 1986 sponsored by the American Association of Nurserymen, Inc.



SIGNAGE: TREE PROTECTION AREA-ENTRANCE PROHIBITED SIGNIFICANT EXISTING TREE CONTINUOUS CHAINLINK FENCING POST @ MX 10' O.C. INSTALL AT LOCATION AS SHOWN ON PLANS

1. MINIMUM SIX (6) FOOT HIGH TEMPORARY CHAINLINK FENCE SHALL BE PLACED AT THE CRITICAL ROOT ZONE OR

- 1. MINIMUM SIX (6) FOOT HIGH TEMPORARY CHAINLINK FENCE SHALL BE PLACED AT THE CRITICAL ROOT ZONE OR DESIGNATED LIMIT OF DISTURBANCE OF THE TREE TO BE SAVED. FENCE SHALL COMPLETELY ENCIRCLE TREE(S). INSTALL FENCE POSTS USING PIER BLOCK ONLY, AVOID POST OR STAKES INTO MAJOR ROOTS, MODIFICATIONS TO FENCING MATERIAL AND LOCATION MUST BE APPROVED BY PLANNING OFFICIAL.
- 2. TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER ONE (1) INCH DIAMETER DAMAGED DURING CONSTRUCTION, MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT, ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING AND COVERED WITH SOIL AS SOON AS POSSIBLE.
- 3. NO STOCKPILING OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMIT OF THE FENCING. FENCING SHALL NOT BE MOVED OR REMOVED UNLESS APPROVED BY THE CITY PLANNING OFFICIAL. WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY UNDER THE SUPERVISION OF THE ON-SITE ARBORIST AND WITH PRIOR APPROVAL BY THE CITY PLANNING OFFICIAL.
- 4. FENCING SIGNAGE AS DETAILED ABOVE MUST BE POSTED EVERY FIFTEEN (15) FEET ALONG THE FENCE.







OR 3 TIMES WIDTH OF ROOTBALL

CONIFEROUS TREE PLANTING

NOT TO SCALE

INDISTURBED NATIV

SOIL OR COMPACTED

SUBGRADE

AMENDED BACKFILL 18"– DEEP ROOT BARRIER 🗕 BE PROTECTED COMPACTED AMENDED BACKFILL. TAMP SOIL AROUND ROOT BALL



andscape Architect. All Rights Resence ncorporated herein is an instrumer property of G. Takagi Land. Archts.

GENERAL NOTES:

1. Coordinate work with other trades as required. Determine location of underground utilities and perform work in a manner which will avoid possible damage. Coordinate with Utilities Underground Location Center and Owner for locations of existing underground utilities, etc. servicing or routed through the site.

2. Provide protection of all property, persons, work in progress, structures, utilities, walls, walks, curbs and paved surfaces from damages incurred arising from this work. The Contractor shall pay for any such damage at no additional cost to the Owner.

3. During construction, keep pavements, building clean. Protect site and adjacent properties from damage due to construction operations, operations by other Contractors/trades and trespassers. Unfinished and completed work shall be protected from damage by erosion or

trespassing, and proper safeguards shall be erected to protect the Public. 4. Staking and Layout: Immediately notify Landscape Architect in writing of any variance between plans and actual site. Landscape Architect has the right to adjust the location of elements. Verify layout with Landscape Architect prior to any installation work.

5. Verify installation conditions as satisfactory to receive work. Do not install any site elements until any unsatisfactory conditions are corrected. Beginning of work constitutes acceptance of conditions as satisfactory. When conditions detrimental to plant growth/contructed elements, are encountered such as rubble fill, adverse conditions, or obstructions, notify Landscape Architect.

6. Obtain written approval of planting area finish grades and planting bed layouts prior to hysroseeding/ planting.

7. New Landscape Plantings will be hand watered until established (min. 2-3 growing seasons). Provide slow release tree watering bags at all new trees.



SHRUB PLANTING NOT TO SCALE



TREE PLANTING NOT TO SCALE

of adjacent paved surfaces. Maintenance rate of 2.5 lbs. 1000 s.f. Architect and Owner. Landscape Architect immediately from project site. the Work. of plant materials. guaranty conditions.

PLANTING NOTES:

1. Planting Soil quality shall meet at a minimum BMP T5.13 "Post Construction Soil Quality and Depth" per Stormwater Management Manual for Western Washington/ Washington State Department of Ecology. In General, Planting Soil for new planting areas shall be an approved Compost cultivated into the existing prepared subgrade. If existing subsoil is determined not suitable by Landscape Architect, a pre-mixed soil with a 'Sandy Gravelly Loam' texture shall be used. Provide textural and nurtrient analysis of any imported pre-mixed soil or amendment for approval. 2. Soil Preparation: Planting Beds: Determine/ attain shrub bed subgrade and cultivate to a minimum depth of four inches (4"), clean/ remove all rocks, roots, debris over two inches in diameter. Lay a two inch (2") depth of Compost (or three (3") depth of imported soil mix) over entire bed and till again to a minimum depth of six inches (6") to incorporate Compost thoroughly into grade. Then lay a two inch lift of Compost (or four (4") depth of imported soil mix) and till again. (total of 4" of added Compost or total of 7" of imported soil mix). Note that finish grade of mulched beds shall be one inch (1") below adjacent paved surfaces.

Lawn Areas : Determine/ attain a minus eight inch (8") subgrade and cultivate base to a minimum depth of four inches (4"), clean/ remove all rocks, roots, debris over two inches in diameter. Spread a four inch (4") lift of approved sand-compost based `Winter Mix' Topsoil and till to incorporate into prepared subgrade. Add top four inches (4") of Topsoil Mix, rake smooth and compact. Note that finish grade of lawn shall be 3/4" below top

3. Fertilize all installed plants during backfill operations with 4-2-2 Agro Transplanter as recommended by Manufacturer.

4. All Turfgrass and Pond seeding shall be applied by Hydroseeding. Follow Stormwater Management in Western Washington, Vol. 2 Construction Stormwater Pollution Prevention BMP C120: Temporary and Permanent Seeding for Hydroseeding Slurry Contents, Application and

Turfgrass Seed Mix shall be the 'Landscaping Seed Mix' in BMP C120. Seed at the rate of 8 lbs. seed mixture per 1000 s.f.

Pond Mix shall be be the 'Wet Area Seed Mix' in BMP C120. Seed at the

4. Substitutions or changes in materials and placement shall be made only on the written change orders as agreed between Contractor, Landscape

5. Mulch all beds with a minimum three inch (3") depth of approved 'shredded bark' or 'Arborist's Chips' mulch. Finish grade of mulch shall be 1" below adjacent hard surfaces/ walls.

Mulch for shrub planted areas in Raingarden shall be a chipped or shredded wood mulch at a minimum depth of three inches (3") as approved by

6. Stake trees per detail and as directed by Landscape Architect. 7. Maintenance: Provide landscape maintenance immediately after planting and pruning, resetting of plants, restoring eroded areas, adjustments to staking and removal of weeds/debris as required for healthy growth of plants. Maintain until Final Acceptance, but in no case less than 30 days (including a min. of two lawn mowings). Seeded areas shall be kept moist until well established and showing a vigorous and uniform stand of 'grass'. 8. The Landscape Architect retains the right to inspect trees, shrubs and groundcover for compliance with requirements for plant size and quality at any time. This includes but is not limited to size and condition of rootballs, root systems, insects, latent injuries and defects. Remove rejected material

9. Upon completion, the Contractor shall request a 'Substantial Completion' of the installed work. Upon completion of the inspection, the Landscape Architect shall prepare a Contractor's list of items to be completed or corrected (Punch List) and indicate the time period for their completion or correction. If based on the opinion of the Landscape Architect the bulk of the work is acceptable, a Provisional Acceptance shall be granted. The Landscape Architect will make an inspection for Final Acceptance of the Work upon request by the Contractor. If all of the items of the Punch List have not been completed to the satisfaction of the Landscape Architect, additional inspections will be scheduled at the request of the Contractor. Final Acceptance shall not be granted until all of the items of the Punch List have been completed to the satisfaction of the Landscape Architect. At this time the Landscape Architect shall certify in writing the Final Acceptance of

10. Replacement of Plantings: Remove from site and replace with new planting, at Contractors expense, any plant that is either dead or in unsatisfactory condition, as determined by Landscape Architect as soon as conditions permit within normal planting season. All replacement plantings are then to be under reinstated guarantee period, as specified. Identify these replacements and take whatever necessary steps to prevent similar demise

11. Warranty: This Warranty shall include replacing and planting same size and species of plant material shown on Drawings that is designated to be replaced by the Landscape Architect. Except for loss due to excessively severe climatological conditions (20 year weather charts), installed plant materials are required to be guaranteed until the end of one growing season against defects and unsatisfactory growth, except for cases of neglect/abuse by Owners/others. All plants replaced shall be reinstated under plant

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Project No.: GT Drawn: GT Checked:

Drawing Issue:

Revisions:

1.21.20

Sheet





SITE NOTES:

1. PEA PATCH TO BE SURROUNDED BY 6' DEER FENCE - SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION ..

2. SEE CIVIL FOR GRADING/DRAINAGE PLANS - ADDITIONAL DETAILS ON RAIN GARDEN INCLUDED ON THE LANDSCAPE PLANS.

3. ALL HOUSES TO HAVE SOLAR PANELS ON THEIR ROOFS - SEE ROOF PLANS AND ENERGY CODE NOTES AND CALCS FOR ADDITIONAL INFORMATION.

4. PARKING LOT TO HAVE (2) LIGHT POLES - ONE AT THE WEST END OF THE NORTH STALLS AT ONE AT THE EAST END OF THE SOUTH STALLS. BOTH TO BE ON PHOTOCELL AND SCREENED TO PREVENT LIGHT POLLUTION.

5. EACH HOUSE WILL HAVE AN EXTERIOR LIGHT AT THE COVERED PORCH AND THE BIKE/TRASH RECYCLING SHED WILL HAVE AN EXTERIOR LIGHT AT EACH DOOR PLUS ONE ABOVE THE MAILBOXES. ALL WILL BE DOWNLIGHTS WITH SHIELDED BULBS AS NEEDED TO PREVENT LIGHT POLLUTION. BOTH THE GARDEN SHED AND THE PUMP HOUSE WILL ALSO HAVE AN EXTERIOR LIGHT ABOVE THE ENTRY DOOR. ALL OF THESE LIGHTS WILL BE ON A PHOTO CELL.

6. BOLLARD PATHWAY LIGHTS TO BE INSTALLED ALONG ALL INTERIOR SITE GRAVEL PATHS PROVIDING PROPER SAFE ILLUMINATION TO HOUSES. THESE LIGHTS SHALL BE DOWNLIGHTS WITH SHIELDED BULBS AS NEEDED TO PREVENT LIGHT POLLUTION AND WILL. BE ON A PHOTOCELL.

1. WATER CISTERN IS TO COLLECT A PORTION OFF OF THE ROOFS TO REUSE AS GREY/ GREEN WATER TO USE FOR TOILETS AND 2 YARD HYDRANTS - ONE AT THE PEA PATCH AND ONE BY THE PARKING LOT/DRIVE EAST OF THE TRASH/RECYCLE AREA. RAIN BANK WILL SUBMIT FOR A SEPARATE KING COUNTY HEALTH DEPARTMENT APPROVAL.



DOOR SCHEDULE PLAN A & B

MARK	DOOR SIZE W X H	OPERATION	MATERIAL	GLAZING	U-VALUE	NOTES
А	3'-0" x 6'-8"	SWING	HOLLOW METAL HALF GLASS	SAFETY GLASS	0.30 MIN	PROVIDE EXTERIOR THRESHOLD AND WEATHER STRIPPI KEY LOCKED
В	3'-0" x 6'-8"	SWING	SOLID CORE WOOD	? N/A	N/A	KEY LOCKED
С	3'-0" x 6'-8"	SWING	SOLID CORE WOOD	^р N/А	N/A	KEY LOCKED
D	2'-8" x 6'-8"	POCKET	SOLID CORE WOOD) N/A	N/A	
E	6'-0" x 6'-8"	SLIDER	SOLID CORE WOOD	• N/A	N/A	
F	6'-0" x 6'-8"	SLIDER	SOLID CORE WOOD FULL GLASS	SAFETY GLASS	0.30 MIN	LATCH
G	3'-0" x 6'-8"	SWING	SOLID CORE WOOD WITH VENT) N/A	N/A	VENT IN DOOR, KEY LOCKED
Η	3'-0" x 6'-8"	SWING	SOLID CORE WOOD WITH VENT	• N/A	N/A	VENT IN DOOR, KEY LOCKED
J	3'-0" x 6'-8"	SWING	SOLID CORE WOOD	? N/A	N/A	KEY LOCKED
К	2'-8" x 6'-8"	POCKET	SOLID CORE WOOD	> N/A	N/A	
L	5'-0" x 6'-8"	SLIDER	SOLID CORE WOOD) N/A	N/A	
Μ	6'-0" x 6'-8"	SLIDER	SOLID CORE WOOD FULL GLASS	SAFETY GLASS	0.30 MIN	LATCH
N	3'-0" x 6'-8"	SWING	SOLID CORE WOOD	р N/A	N/A	KEY LOCKED
0	2'-8" x 6'-8"	POCKET	SOLID CORE WOOD	> N/A	N/A	
Ρ	5'-0" x 6'-8"	SLIDER	SOLID CORE WOOD) N/A	N/A	
Q	6'-0" x 6'-8"	SLIDER	SOLID CORE WOOD FULL GLASS	9 SAFETY GLASS	0.30 MIN	LATCH
R	3'-0" x 6'-8"	SWING	SOLID CORE WOOD	^р N/А	N/A	KEY LOCKED
9	2'-8" x 6'-8"	POCKET	SOLID CORE WOOD	• N/A	N/A	
T	6'-0" x 6'-8"	SLIDER	SOLID CORE WOOD	• N/A	N/A	
U	6'-0" x 6'-8"	SLIDER	SOLID CORE WOOD FULL GLASS	9 SAFETY GLASS	0.30 MIN	LATCH
V	3'-0" x 3'-0"	SWING	HOLLOW METAL HALF GLASS	N/A	0.30 MIN	PROVIDE EXTERIOR THRESHOLD AND WEATHER STRIPPI KEY LOCKED

DOOR GENERAL NOTES:

1. ALL DOORS TO BE NFRC CERTIFIED.

- 2. CONTRACTOR TO CONFIRM ROUGH OPENING REQUIREMENT W/ MNF'R
- 3. ALL INTERIOR DOORS BY SIMPSON OR EQUIVALENT.
- 4. ALL HARDWARE TO BE LEVER TYPE- FINISH TO BE SELECTED.

- NOTES:

- SEPERATELY.
- MAIN AND UPPER FLRS)



5. CONSTRUCTION IS TYPE V-B - BUT AS AN ALTERNATE, PROVIDE I HR FIRE RATED WALLS BETWEEN SLEEPING ROOMS & COMMON AREAS FOR ADDITIONAL SAFETY (PARTY/CORRIDOR WALLS AS WELL AS FLR/CLG ASSEMBLY BETWEEN

6. SPRINKLER SYSTEM TO BE DESIGNED AND PERMITTED BY CERTIFIED SPRINKLER SUB-CONTRACTOR (ARCHITECT TO REVIEW/APPROVE LAYOUT)

^{© 2019} FORM + FUNCTION

1ARK	W X H	OPERATION	MATERIAL	GLAZING	U-∨ALUE	NOTES
ДД	3'-0" x 6'-8"	SWING	SOLID CORE WOOD	≥ N/A	N/A	KEY LOCKED
BB	2'-8" x 6'-8"	POCKET	SOLID CORE WOOD	» N/A	N/A	
СС	5'-0" x 6'-8"	SLIDER	SOLID CORE WOOD	> N/A	N/A	
DD	6'-0" x 6'-8"	9LIDER	SOLID CORE WOOD FULL GLASS	SAFETY GLASS	0.30 MIN	LATCH
EE	3'- <i>0</i> " x 6'-8"	SWING	SOLID CORE WOOD	Р N/A	N/A	KEY LOCKED
FF	2'-8" x 6'-8"	POCKET	SOLID CORE WOOD) N/A	N/A	
GG	5'-0" x 6'-8"	SLIDER	SOLID CORE WOOD	» N/A	N/A	
нн	6'-0" x 6'-8"	SLIDER	SOLID CORE WOOD FULL GLASS	SAFETY GLASS	0.30 MIN	LATCH
JJ	3'-0" x 6'-8"	SWING	SOLID CORE WOOD) N/A	N/A	KEY LOCKED
KK	2'-8" x 6'-8"	POCKET	SOLID CORE WOOD	> N/A	N/A	
LL	5'-0" x 6'-8"	SLIDER	SOLID CORE WOOD	> N/A	N/A	
MM	6'-0" x 6'-8"	9LIDER	SOLID CORE WOOD FULL GLASS	SAFETY GLASS	0.30 MIN	LATCH
NN	3'-0" x 6'-8"	SWING	SOLID CORE WOOD) N/A	N/A	KEY LOCKED
00	2'-8" x 6'-8"	POCKET	SOLID CORE WOOD	> N/A	N/A	
pp	5'-0" x 6'-8"	SLIDER	SOLID CORE WOOD	> N/A	N/A	
ରର	6'-0" x 6'-8"	SLIDER	SOLID CORE WOOD FULL GLASS	SAFETY GLASS	0.30 MIN	LATCH

DOOR GENERAL NOTES:

1. ALL DOORS TO BE NERC CERTIFIED.

2. CONTRACTOR TO CONFIRM ROUGH OPENING REQUIREMENT W/ MNF'R

3. ALL INTERIOR DOORS BY SIMPSON OR EQUIVALENT.

4. ALL HARDWARE TO BE LEVER TYPE- FINISH TO BE SELECTED.

NOTES:

- 1. DOOR JAMBS SHALL BE 3 1/2" TYPICAL, UNLESS NOTED OTHERWISE.

- SEPERATELY.
- MAIN AND UPPER FLRS)



5. CONSTRUCTION IS TYPE V-B - BUT AS AN ALTERNATE, PROVIDE I HR FIRE RATED WALLS BETWEEN SLEEPING ROOMS & COMMON AREAS FOR ADDITIONAL SAFETY (PARTY/CORRIDOR WALLS AS WELL AS FLR/CLG ASSEMBLY BETWEEN

6. SPRINKLER SYSTEM TO BE DESIGNED AND PERMITTED BY CERTIFIED SPRINKLER SUB-CONTRACTOR (ARCHITECT TO REVIEW/APPROVE LAYOUT)

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ROOF VENTILATION NOTES:

1 SQ.FT. OF VENTING PER 300 SQ.FT. OF AREA TO BE VENTED (1/150 REDUCED TO 1/300 PROVIDED THAT AT LEAST 50% AND NOT MORE THAN 80% OF THE RQD VENTING PROVIDED IN THE UPPER PORTION OF THE SPACE - MIN 3' ABOVE EAVE LINE ...

PROPOSED VENTILATION MEETS/EXCEEDS CODE REQMI 2,361 SF/150 = 7.87 SF VENTING RQD

(4) I'-O" X I'-6" ROOF VENTS @ NEW PREFAB TRUSSES (6 SF) EAVE/SOFFIT VENTS- (3) 2" DIAMETER VENTS PER RAFTER BAY 9 SQ IN +/- PER BAY MIN. 70 BAYS X 9 = 630 SQ IN (4.37 SF)

PROPOSED VENTILATION MEETS/EXCEEDS CODE ROMT FOR 1/300

FOR UNIQUE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO FIELD CONDITIONS -COORDINATE VENTILATION (& INSULATION) ROMTS WITH ARCHITECT







ROOF PLAN B VERIFY ALL DIMENSIONS TO EXISTING ELEMENTS



MARK	WIND <i>O</i> W SIZE W X H	OPERATION	MATERIAL	MFGR	GLAZING	U-VALUE	NOTES
1	5'-0" x 3'-6"	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
2	5'-0" x 3'-6"	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
3	5'- <i>0</i> " × 4'- <i>0</i> "	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
4	2'-6" × 4'-0"	PICTURE	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
5	5'- <i>0</i> " × 4'- <i>0</i> "	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
6	5'- <i>0</i> " x 4'- <i>0</i> "	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
1	5'- <i>0</i> " x 4'- <i>0</i> "	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
8	5'- <i>0</i> " x 4'- <i>0</i> "	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
9	2'-6" × 4'-0"	PICTURE	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
10	5'-0" x 3'-6"	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON

WINDOW SCHEDULE - UPPER FLOOR PLAN A & B

MARK	WINDOW SIZE W X H	OPERATION	MATERIAL	MFGR	GLAZING	U-VALUE	NOTES
12	5'- <i>0</i> " × 4'- <i>0</i> "	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
13	5'- <i>0</i> " x 2'-6"	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
14	5'-0" x 4'-0"	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
15	2'-6" × 4'-0"	PICTURE	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
16	5'-0" × 4'-0"	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARG <i>O</i> N
ГІ	5'-0" × 4'-0"	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
18	5'-0" × 4'-0"	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
19	5'-0" x 4'-0"	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
20	5'-0" x 4'-0"	SLIDER	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON
21	2'-6" × 4'-0"	PICTURE	VINYL, WHITE	MILGARD	LOW-E, CLR	0.30	ARGON

WINDOW GENERAL NOTES:

- ALL WINDOWS TO BE NFRC CERTIFIED.
- CONTRACTOR TO CONFIRM ROUGH OPENING REQUIREMENT W/ MNF'R 3. WINDOW MFGR TO BE MILGARD OR EQUAL. SCHEDULE ASSUMES VINYL W/ LOW E
- 212 GLASS-ARGON, SUBSTITUTIONS ARE ACCEPTABLE AS LONG AS WINDOWS MEET THE ENERGY CODE REQMIS LISTED ON SHEET ALO 4. ALL EXTERIOR WINDOW OPENINGS TO BE WRAPPED W/ VIDAFLEX F OR
- APPROVED EQUAL PEAL & STICK MEMBRANE AND METAL FLASHINGS PER NORTHWEST WALL AND CEILING BUREAU STANDARD DETAILS.
- 5. INSTALL TEMPERED/SAFETY GLAZING AS REQUIRED PER IRC R308 AND NOTED ABOVE.



(4 PHOTOVOLTAICS

MEETS THE MINIMUM

TO OBTAIN 3 ENERGY CREDITS PER PRESCRIPTIVE

ENERGY CODE COMPLIANCE)

2 : 12

1/4"=1'-0"

 $\xrightarrow{2:12}$

-EAVE VENT, TYP

- EAVE VENT, TYP

- EAVE VENT, TYP



MAIN FLOOR PLAN A & B









TRASH ENCLOSURE/ BIKE DOOR SCHEDULE

MARK	D <i>OO</i> R SIZE W X H	OPERATION	MATERIAL	GLAZING	U-VALUE	NOTES
А	(2)4'-0" x 6'-8"	SWING	HOLLOW METAL	N/A	N/A	
В	3'-6" x 6'-8"	SWING:	HOLLOW METAL	N/A	N/A	

SHED DOOR SCHEDULE

MARK	DOOR SIZE W X H	OPERATION	MATERIAL	GLAZING	U-VALUE	NOTES	
C	(2)4'-0" x 6'-8"	SWING	SC WOOD	N/A	N/A		STANDING SE METAL RO
							HARDY BOA Fage

DOOR GENERAL NOTES:

1. ALL DOORS TO BE NFRC CERTIFIED.

2. CONTRACTOR TO CONFIRM ROUGH OPENING REQUIREMENT W/ MNF'R

3. ALL INTERIOR DOORS BY SIMPSON OR EQUIVALENT.

4. ALL HARDWARE TO BE LEVER TYPE- FINISH TO BE SELECTED.

01000 - GENERAL REQUIREMENTS THE STRUCTURAL NOTES SUPPLEMENT THE PLANS AND SPECIFICATIONS. ANY DISCREPANCY FOUND BETWEEN THE DRAWINGS, NOTES, SPECIFICATIONS, SITE CONDITIONS, AND ARCHITECTURAL PLANS SHALL BE REPORTED TO THE ARCHITECT WHO SHALL CORRECT THE DISCREPANCY IN WRITING. ANY WORK COMPLETED AFTER DISCOVERY OF THE DISCREPANCY SHALL BE DONE AT THE CONTRACTOR'S RISK. REFER TO ARCHITECTURAL PLANS FOR OPENINGS, ARCHITECTURAL TREATMENTS, AND DIMENSIONS NOT SHOWN. CONSULT MECHANICAL PLANS FOR DUCTS AND PIPES ETC. NOT SHOWN.

THE CONTRACTOR SHALL PROVIDE BRACING AND SUPPORT REQUIRED FOR TEMPORARY CONSTRUCTION LOADS AND FOR STRUCTURAL COMPONENTS AS REQUIRED DURING ERECTION. BACKFILL BEHIND WALLS SHALL NOT BE PLACED UNTIL THE WALLS ARE PROPERLY SUPPORTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK INCLUDING BUT NOT LIMITED TO EXCAVATION, SHORING, AND OTHER WORK WITH ALL UTILITIES AND ADJACENT PROPERTIES. CALL THE UTILITY LOCATE SERVICE PRIOR TO ANY WORK AT 1-800-424-5555.

01001 - CODE REQUIREMENTS

ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE 2015 INTERNATIONAL BUILDING CODE.

01100 - DESIGN LOADS

DEAD LOADS: ACTUAL WEIGHT OF MATERIALS OF CONSTRUCTION AND PERMANENT EQUIPMENT.

FLOOR LIVE LOADS: FLOORS (RESIDENTIAL) DECKS	40 PSF 60 PSF	
ROOF LIVE LOADS: ROOF	20 PSF	
SNOW LOAD DESIGN DATA: Pg = 20 PSF, Pf = 20 PSF, Ce = 0.9, Is = 1.0, Ct = 1.0,	25 PSF UNIFOR	RM
WIND DESIGN DATA: BASIC WIND SPEED WIND IMPORTANCE FACTOR WIND EXPOSURE TOPOGRAPHICAL FACTOR INTERNAL PRESSURE COEFFICIENT COMPONENT/CLADDING WIND PRESSURE	110 MPH (3-SE lw = 1.0 EXPOSURE B Kzt = 1.00 GCpi = +/- 0.18 P(C) = 25 PSF	COND GUST)
EARTHQUAKE DESIGN DATA: SEISMIC IMPORTANCE FACTOR OCCUPANCY CATEGORY SPECTRAL RESPONSE ACCELERATIONS SITE CLASS SPECTRAL RESPONSE COEFFICIENTS SEISMIC DESIGN CATEGORY WOOD LEVELS - BEARING WALL SYSTEM	le = 1.0 II Ss = 1.50 C SDS = 1.001 D R = 6.5	S1 = 0.57 SD1 = 0.491 Cs = 0.154

01200 - GEOTECNICAL INVESTIGATION

FOUNDATION DESIGN BASED ON REPORT 19401 DATED OCTOBER 29, 2019 PREPARED BY GEOTECH CONSULTANTS INC.. ALL SITE PREPARATION AND FOUNDATION CONSTRUCTION TO BE PERFORMED PER REPORT. ALL PILE DRIVING TO BE INSPECTED BY A CERTIFIED INSPECTOR WITH LOG CONFIRMING EACH PILE DRIVEN IN ACCORDANCE WITH SOILS REPORT REFUSAL CRITERIA. FILLS TO BE COMPACTED TO 95% MODIFIED PROCTOR PER ASTM D-1557.

ALL FOUNDATIONS SHALL BE FOUNDED ON EITHER COMPETENT NATIVE MATERIAL, PIPE PILE OR BY OTHER MEANS AS DEFINED BY THE GEOTECNICAL ENGINEER.

WHERE FOOTINGS ARE ALLOWED TO BE FOUNDED ON NATIVE MATERIAL BY THE GEOTECHNICAL ENGINEER, ALLOWABLE BEARING CAPCITY IS 3,000 PSF. 1/3 INCREASE ALLOWABLE FOR WIND OR SEISMIC

GEOTECHNICAL DESIGN PARAMETERS HAVE BEEN COORDINATED WITH GEOTECH CONSULTANTS INC. AS LISTED BELOW

DESIGN PARAMETERS FOR RETAINING WALLS WITH FLAT BACKFILL ARE AS FOLLOWS: 35 PCF

ACTIVE EARTH PRESSURE (YIELDING)	35 PCF
ACTIVE EARTH PRESSURE (AT-REST)	55 PCF
PASSIVE EARTH PRESSURE	250 PCF (ULTIMATE)
COEFFICIENT OF FRICTION	0.30 (ALLOWABLE) ASSUMED
SEISMIC SURCHARGE	8H UNIFORM
SOIL PROFILE	SITE CLASS D
SEISMIC SURCHARGE	UNIFORM 8H
VEHICLE SURCHARGE	2'-0" OF SOIL

ALL FOUNDATION INSTALLLATIONS SHALL BE SUBJECT TO APPROVAL OF THE GEOTECHNICAL ENGINEER. PIPE PILE:

INSTALLATION REQUIREMENTS:

TWO, THREE AND FOUR INCH DIAMETER PIPE PILE SHALL CONSIST OF PIPE PER ASTM A53 GRADE B AND BE DRIVEN AT LEAST 5 FEET INTO COMPETENT SOIL. PIPE PILE REACHING THE FOLLOWING PENETRATION RATES MAY BE ASSIGNED THE FOLLOWING COMPRESSIVE CAPACITIES. PIPE PILE SHALL BE INSTALLED USING A HYDRAULIC IMPACT HAMMER CARRIED ON LOADS THAT ALLOW THE HAMMER TO SIT ON THE TOP OF THE PILE DURING DRIVING. IF ALTERNATE DRIVING MEATHODS ARE USED. COORDINATE REQUIRED LOAD TESTS WITH GEOTECHNICAL ENGINEER. GEOTECHNICAL SPECAIL INSPECTOR SHALL BE CONTINOUSLY PRESENT DURING PIPE PILE INSTALLATION. (.D.R. - FINAL DRIVING RATE):

PILE DIAMETER	F.D.R. 90 LB. JACKHAMMER	F.D.R. 140 LB RHINO HAMMER	F.D.R. 850 LB HAMMER	F.D.R. 1100 LB HAMMER	ALLOWABLE COMP. CAPACITY
2 INCH (X-STRONG) SCHEDULE 80	60 SEC/INCH	60 SEC/INCH	NA	NA	3 TONS (6,000 LB)
3 INCH (STANDARD) SCHEDULE 40	NA	NA	10 SEC/INCH	6 SEC/INCH	6 TONS (12,000 LB)
4 INCH (STANDARD) SCHEDULE 40	NA	NA	16 SEC/INCH	10 SEC/INCH	10 TONS (20,000 LB)

FIELD TESTING REQUIREMENTS:

LOAD TESTS ARE NOT REQUIRED FOR TWO INCH DIAMETER PIPE PILES THAT ARE DRIVEN WITH A MINIMUM 90-POUND JACKHAMMER. LOAD TESTS ARE REQUIRED ON THREE PERCENT OF THE 3 AND 4 INCH PIPE PILE UP TO A MAXIMUM OF FIVE PILES, WITH A MINIMUM OF ONE PILE LOAD TEST ON EACH STRUCTURE. LOAD TESTS ON A MINIMUM OF 20-PERCENT OF THE PILE (COORDINATION WITH THE GEOTECHNICAL ENGINEER) IS REQUIRED WHERE ALTERNATIVE PILE INSTALLATION METHODS ARE USED. TESTING OF 3-INCH DIAMETER PIPE PILES SHALL BE IN ACCORDANCE WITH ASTM STANDARD D 1143-81.

01300 - SHOP DRAWING SUBMITTAL PROCESS

SHOP DRAWINGS ARE TO BE SUBMITTED TO THE ARCHITECT AND ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION. IF SHOP DRAWINGS DIFFER FROM THE APPROVED DESIGN DRAWINGS, NEW DESIGN DRAWINGS BEARING THE SEAL AND SIGNATURE OF A LICENSED STATE OF WASHINGTON STRUCTURAL ENGINEER SHALL BE SUBMITTED ALONG WITH THE SHOP DRAWINGS TO THE BUILDING OFFICIAL FOR APPROVAL PRIOR TO FABRICATION.

- 1. PLACEMENT DRAWINGS AND CALCULATIONS ARE REQUIRED FOR SHOP FABRICATED METAL PLATE CONNECTED WOOD TRUSSES. CALCULATIONS BEARING THE SEAL AND SIGNATURE OF A LICENSED STATE OF WASHINGTON STRUCTURAL ENGINEER SHALL BE SUBMITTED ALONG WITH THE SHOP DRAWINGS FOR SHOP FABRICATED METAL PLATE CONNECTED WOOD TRUSSES.
- 2. WATER CISTERN DRAWINGS AND CALCULATIONS INCLUDING SEISMIC AND WIND ANCHORAGE AS WELL AS FOUNDATION DESIGN CALCULATIONS. CALCULATIONS AND DRAWINGS SHALL BEAR THE SEAL & SIGNATURE OF A LICENSED STATE OF WASHINGTON STRUCTURAL ENGINEER.
- 3. JULIET BALCONY COMPONENT SUBMITTAL INCLUDING COMPONENT ENGINEERING BEARING SEAL & SIGNATURE OF A LICENSED STATE OF WASHINGTON STRUCTURAL ENGINEER.

01400 - INSPECTIONS AND SPECIAL INSPECTIONS

THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL INSPECTIONS REQUIRED BY THE LOCAL BUILDING DEPARTMENT.

SPECIAL INSPECTIONS ARE NOT REQUIRED FOR GROUP R-3 OCCUPANCIES UNLESS OTHERWISE REQUIRED BY THE BUILDING OFFICIAL.

01500 - STRUCTURAL OBSERVATION STRUCTURAL OBSERVATION IS NOT REQUIRED.

01600 - QUALITY ASSURANCE REQUIREMENTS

THE QUALITY ASSURANCE PLAN SHALL BE TO VERIFY THAT THE SPECIAL INSPECTIONS 01400 AND THE STRUCTURAL OBSERVATION NOTED IN SECTION 01500 HAVE BEEN COMPLETED AND THAT SUPPORTING DOCUMENTATION NOTED IN SUCH SECTIONS HAS BEEN PROVIDED.

QUALITY ASSURANCE PLAN IS NOT REQUIRED FOR STRUCTURES OF LIGHT WOOD FRAMING WITH DESIGN SPECTRAL RESPONSE AT SHORT PERIODS, SDS, NOT EXCEEDING 0.50g.

QUALITY ASSURANCE PLAN IS NOT REQUIRED FOR WIND EXPOSURE B WHERE BASIC WIND SPEED IS LESS THAN 120 MPH.

SUMMARY: A QUALITY ASSURANCE PLAN IS NOT REQUIRED BY CODE FOR THIS STRUCTURE.

01700 - EXECUTION REQUIREMENTS INSTALLATION OF ALL STRUCTURAL COMPONENTS SHALL BE AS REQUIRED PER ALL LOCAL CODES.

02000: SITE CONSTRUCTION ALL SITE CONSTRUCTION SHALL BE CONSISTENT WITH THE GEOTECHNICAL ENGINEERING RECOMMENDATIONS AS NOTED IN THE GEOTECHNICAL ENGINEERING REPORT (SEE SECTION 01300) AND IN SUBSEQUENT DIRECTIVES.

02100 - EXCAVATION SUPPORT AND PROTECTION

EXCAVATION FOR FOUNDATIONS SHALL BE PER PLAN DOWN TO UNDISTURBED NATIVE MATERIAL PER THE GEOTECHNICAL ENGINEERING RECOMMENDATIONS. OVER-EXCAVATED AREAS SHALL BE BACKFILLED WITH LEAN CONCRETE OR PER GEOTECHNICAL RECOMMENDATIONS AT THE CONTRACTOR'S EXPENSE.

EXCAVATION SLOPES SHALL BE SAFE AND SHALL NOT BE GREATER THAN THE LIMITS SPECIFIED BY LOCAL, STATE, AND NATIONAL SAFETY REGULATIONS.

INSTALLATION OF CONSTRUCTION SHORING, IF REQUIRED, SHALL BE PER THE SHORING DRAWINGS, NOTES, AND SPECIFICATIONS.

02200 - BACKFILL AND COMPACTION

BACKFILL SHALL NOT BE PLACED UNTIL THE REMOVAL OF FORMWORK AND OF ANY DEBRIS. BACKFILL BEHIND ALL WALLS SHALL NOT BE PLACED UNTIL THE WALLS ARE PROPERLY SUPPORTED. ALL BACKFILL MATERIAL AND PLACEMENT PROCEDURES SHALL BE CONSISTENT WITH THE GEOTECHNICAL ENGINEERING RECOMMENDATIONS.

03000 - CAST-IN-PLACE CONCRETE

CONCRETE CONSTRUCTION SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE STANDARD ACI 318-14 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".

CEMENT AND CONCRETE SHALL CONFORM TO IBC SECTION 1903. ADMIXTURES SHALL BE APPROVED BY THE ENGINEER OF RECORD AND SHALL COMPLY WITH ACI 318-14 SECTION 3.6. CONCRETE EXPOSED TO FREEZING AND THAWING SHALL HAVE AN AIR ENTRAINING ADMIXTURE CONFORMING TO IBC SECTION 1904.2. THE USE OF WATER SOLUBLE CHLORIDE ION SHALL NOT BE USED.

CONCRETE MIX DESIGNS SHALL MEET THE FOLLOWING REQUIREMENTS: (1) 28 DAY MAX. STRENGTH fc [PSI] (2) MAX. WATER / CEMENT RATIO (3) MAX. SLUMP [IN] (4) AIR ENTRAINMENT [%] (5) SPECIAL INSPECTION REQUIRED (6) MIN. 90 LB SACKS OF CEMENT (7) LOCATION AND APPLICATION.

(1) 3000 3000 3000 3000 3000 3000	(2) 0.45 0.45 0.50 0.45 0.50	(3) 4+/-1 4+/-1 5+/-1 5+/-1 5+/-1	(4) 5+/-1 0+/-1 0+/-1 5+/-1 5+/-1	(5) NO NO NO NO	(6)	(7) EXTERIOR SLAB ON GRADE INTERIOR SLAB ON GRADE FOOTINGS STEMS ALL OTHER CONCRETE
3000	0.50	5+/-1	5+/-1	NO		ALL OTHER CONCRETE

SPECIAL INSPECTION IS NOT REQUIRED AS THE DESIGN IS BASED ON fc = 2500 PSI.

CHAMFER ALL EXPOSED CORNERS PER THE ARCHITECTURAL PLANS OR 3/4 INCH IF NOT SPECIFIED BY THE ARCHITECT.

03100 - REINFORCING STEEL

REINFORCING STEEL DETAILING, FABRICATION, AND PLACEMENT SHALL BE PER ACI 318-14, REINFORCING STEEL SHALL MEET THE FOLLOWING REQUIREMENTS:

ASTM A-615 DEFORMED BARS GRADE 40 (fy=40 KSI) FOR #3 BARS ONLY ASTM A-615 DEFORMED BARS GRADE 60 (fv=60 KSI) FOR #4 BARS AND LARGER ASTM A-706 DEFORMED BARS GRADE 60 (fy=60 KSI) FOR ALL WELDABLE BARS ASTM A-1064 SMOOTH BAR (fy=60 KSI) FOR WELDED WIRE FABRIC

REINFORCING FOR SLABS ON GRADE SHALL BE 6X6 W1.4XW1.4 WELDED WIRE FABRIC OR FIBER MESH UNLESS NOTED OTHERWISE, PROVIDE LAP SPLICES PER THE LAP SPLICE SCHEDULE ON SHEET S6.0. REINFORCING STEEL AT ALL WALLS, SLABS, AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS ELSE CORNER BARS SHALL BE PROVIDED.

COVER REQUIREMENTS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST EARTH ALL BAR SIZES

ALL DAR 312E3
FORMED SURFACE EXPOSED TO EARTH OR WEATHER

- #6 AND LARGER .
- #5 AND SMALLER . 1 1/2"
- CONCRETE NOT EXPOSED TO EARTH OR WEATHER WALLS AND JOISTS
- #14 AND #18 BARS . 1 1/2" #11 BARS AND SMALLER 3/4"
- SLABS AND JOISTS #14 AND #18 BARS1 1/2"
- #11 BARS AND SMALLER . . 1"
- BEAMS, COLUMNS PRIMARY REINFORCEMENT1 1/2"
- TIES, STIRRUPS, AND SPIRALS ... 1 1/2"

REINFORCING STEEL SHALL BE ACCURATELY PLACED AND ADEQUATELY SECURED IN PLACE PRIOR TO CONCRETE PLACEMENT. REINFORCING STEEL SHALL NOT BE FIELD BENT EXCEPT AS NOTED IN THE DESIGN DRAWINGS. WELDING OF REINFORCING STEEL SHALL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER OF RECORD EXCEPT AS NOTED ON THE DESIGN DRAWINGS.

03200 - CONCRETE WALL REINFORCING

PLACE TWO HORIZONTAL #5 BARS AT EACH FLOOR LEVEL OR TOP OF WALL ELEVATION. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCEMENT AT EACH WALL CORNER AND INTERSECTION. PROVIDE TWO VERTICAL #5 BARS AT EACH WALL CORNER AND INTERSECTION. AT ALL WALL OPENINGS PROVIDE TWO #5 BARS OVER, UNDER, AND AT THE SIDES OF THE OPENINGS. EXTEND THE HORIZONTAL BARS THE LAP SPLICE DISTANCE PAST THE OPENING OR EXTEND AS FAR AS POSSIBLE AND HOOK. PROVIDE ONE #5 BAR BY 4'-0" LONG DIAGONALLY AT EACH CORNER OF THE WALL OPENING. ALL CONCRETE SHALL BE PLACED AND CONSOLIDATED WALLS SHALL BE REINFORCED PER SCHEDULE BELOW U.N.O.:

ALL THICKNESS	HORIZONTAL	VERTICAL	LOCATION
	#4 AT 14"OC	#5 AT 18"OC	CENTERLINE
	#4 AT 10"OC	#5 AT 15"OC	CENTERLINE
"	#4 AT 16"OC	#5 AT 18"OC	EACH FACE
	#4 AT 12"OC	#5 AT 18"OC	EACH FACE

EPOXY ALL HORIZONTAL STEEL INTO EXISTING FOUNDATION WITH FOUR INCH EMBEDMENT. RE: NOTES SECTION 08100 FOR EPOXY TYPE.

Fy = 36 KSI

Fy = 36 KSI

Fy = 36 KSI

Fy = 35 KSI

Fy = 46 KSI

Fy = 36 KSI

S NOTED IN SECTION

05000 - STRUCTURAL STEEL

STRUCTURAL W SHAPE

WOOD CONNECTION BOLTS

WELDING ELECTRODES

FINISH REQUIREMENTS.

SHEET S9.0.

NAIL SIZE

8d

10d

12d

SHALL NOT BE ALLOWED).

06100 - ROUGH FRAMING

U.N.O. PER PLAN/SCHEDULE:

WALL STUDS/BLOCKING

USE/LOCATION

2X, 3X

2X, 3X

6" & WIDER

WALL PLATES

2X4, 3X4

2X6, 3X6

JOISTS

2X, 3X

LEDGERS

2X, 3X

BEAMS AND POSTS

06102: FRAMING NOTES

ON SHEET S9.0.

NAIL SIZE

CUT WASHER.

8d

10d

12d

16d

4X

4" WIDE

06000 - WOOD FRAMING NOTES

DIAMETER

0.131"

0.148"

0.148"

0.162"

SPECIES

HEM-FIR

HEM-FIR

HFM-FIR

HEM-FIR

HEM-FIR

DIAMETER

0.131"

0.148"

0.148"

0.162"

S, M, AND C SHAPES

STEEL ANGLES

STRUCTURAL PIPE

STRUCTURAL HSS

ANCHOR RODS

PLATE MATERIAI

ASTM A-992

ASTM A-36

ASTM A-36

ASTM A-36

ASTM F1554

SOCIETY (AWS) CERTIFIED WELDERS. ALL COMPLETE PENETRATION (CP) WELDS SHALL BE

ULTRASONICALLY TESTED. ALL FILLET WELDS SHALL BE VISUALLY INSPECTED RE: S1.1.

BE COATED WITH BRUSH APPLIED ZINC-RICH PAINT COMPLYING WITH ASTM A-780.

E7018

ASTM A-53 GRADE B

ASTM A-500 GRADE B

ASTM A-307 GRADE A

ALL WELDING SHALL CONFORM TO THE AWS D1.4 "STRUCTURAL WELDING CODE". ALL WELDING SHALL BE

PERFORMED BY A WASHINGTON ASSOCIATION OF BUILDING OFFICIALS (WABO) AND AMERICAN WELDING

STRUCTURAL STEEL AND CONNECTIONS EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED

AFTER FABRICATION IN COMPLIANCE WITH ASTM A-123. ALL FIELD WELDS EXPOSED TO WEATHER SHALL

ALL STRUCTURAL STEEL TO RECEIVE ONE COAT OF PAINT (PRIME COAT). PROVIDE A MINIMUM FRY-FILM

DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATING TO FINISH PAINT OR OTHER

FRAMING CONNECTORS, ACCESSORIES, AND FASTENERS AS NOTED IN THE PLANS AND DETAILS SHALL BE

APPROVED BY ENGINEER OF RECORD. INSTALL ALL HARDWARE PER MANUFACTURERS SPECIFICATIONS.

WHERE STRAPS CONNECT TWO MEMBERS TOGETHER, PLACE HALF OF THE REQUIRED FASTENERS INTO

EACH MEMBER. PROVIDE SOILD BLOCKING AT ALL BEARING POINTS. SEE SECTION 06100 FOR FASTENER

REQUIREMENTS AT TREATED LUMBER. TYPICAL NAILING NOT SHOWN PER PLAN, DETAIL, OR SCHEDULE

NAILS SHALL BE COMMON UNLESS NOTED OTHERWISE COMMON NAIL DIMENSIONS ARE AS FOLLOWS:

LENGTH

2 1/2"

3 1/4"

UNLESS NOTED OTHERWISE PER SHEARWALL SCHEDULE OR PLANS. ANCHOR BOLTS AT SILL PLATES SHALL

BE 5/8 INCH DIAMETER WITH 7 INCHES MINIMUM EMBEDMENT INTO CONCRETE AND SHALL BE SPACED NOT

MORE THAN 4 FEET APART. THERE SHALL BE A MINIMUM OF TWO BOLTS PER SILL PIECE WITH ONE BOLT

LOCATED NOT MORE THAN 12 INCHES NOR LESS THAN 4 1/2 INCHES FROM EACH END OF THE PIECE. A

3"x3"x1/4" PLATE WASHER SHALL BE PROVIDED FOR ALL ANCHOR BOLTS (COUNTERSINK PLATE WASHERS

SAWN LUMBER SHALL CONFORM TO WEST COAST LUMBER INSPECTION BUREAU (WCLIB) "GRADING AND

PERCENT MAXIMUM MOISTURE CONTENT. PROTECT LUMBER FROM WEATHER AND PROVIDE FURTHER

PLAN. LUMBER SPECIES, GRADE, AND PROPERTIES FOR EACH USE/LOCATION SHALL BE AS FOLLOWS

DRYING OF ASSEMBLED FRAMING TO MINIMIZE WOOD SHRINKAGE POTENTIAL. ALL LUMBER EXPOSED TO

WEATHER OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESERVATIVE TREATED U.N.O. PER

DOUGLAS FIR-LARCH NO. 2 900 180 625 1350 1.6E6

DOUGLAS FIR-LARCH NO. 1 1000 180 625 1500 1.7E6

DOUGLAS FIR-LARCH NO. 2 900 180 625 1350 1.6E6

DOUGLAS FIR-LARCH NO. 1 1200 170 625 1000 1.6E6

FRAMING CONNECTORS, ACCESSORIES, AND FASTENERS AS NOTED IN THE PLANS AND DETAILS SHALL BE

APPROVAL BY ENGINEER OF RECORD. INSTALL ALL HARDWARE PER MANUFACTURERS' SPECIFICATIONS.

WHERE STRAPS CONNECT TWO MEMBERS TOGETHER, PLACE HALF OF THE REQUIRED FASTENERS INTO

EACH MEMBER. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS. SEE SECTION 06200 FOR FASTENER

REQUIREMENTS AT TREATED LUMBER. TYPICAL NAILING NOT SHOWN PER PLAN, DETAIL, OR SCHEDULE

SHALL CONFORM TO FASTENING SCHEDULE PER IBC TABLE 2304.10.1 OR TO THE FASTENING SCHEDULE

NAILS SHALL BE COMMON UNLESS NOTED OTHERWISE COMMON NAIL DIMENSIONS ARE AS FOLLOWS:

LENGTH

2.5"

3.0"

3.25"

3.5"

UNLESS NOTED OTHERWISE PER SHEARWALL SCHEDULE OR PLANS, ANCHOR BOLTS AT SILL PLATES

SHALL BE 5/8" DIAMETER WITH 7" MINIMUM EMBEDMENT INTO CONCRETE AND SHALL BE SPACED NOT

MORE THAN 4 FEET APART. THERE SHALL BE A MINIMUM OF TWO BOLTS PER SILL PIECE WITH ONE BOLT

LOCATED NOT MORE THAN 12" NOR LESS THAN 4.5" FROM EACH END OF THE PIECE. A 3"X3"X0.229" PLATE

WASHER SHALL BE PROVIDED FOR ALL ANCHOR BOLTS (DO NOT COUNTER-SINK PLATE WASHERS). A

13/16" X 1 3/4" DIAGONAL SLOTTED HOLE IN THE 3" X 3" PLATE WASHER IS ALLOWED WITH A STANDARD

AS MANUFACTURED BY SIMPSON STRONG-TIE. EQUIVALENT HARDWARE MAY BE USED WITH PRIOR

Fb Fv Fcp Fc E

GRADE (PSI) (PSI) (PSI) (PSI) (PSI)

STUD 675 150 405 800 1.2E6

NO. 2 850 150 405 1300 1.3E6

STUD 675 150 405 800 1.2E6

NO. 2 850 150 405 1300 1.3E6

NO. 2 850 150 405 1300 1.3E6

DRESSING RULES" NO. 17 LATEST EDITION. SAWN LUMBER SHALL BE S4S AND SURFACED DRIED, 19

3 1/2"

3"

SHALL CONFORM TO FASTENING SCHEDULE PER IBC TABLE 2304.10.1 OR TO THE FASTENING SCHEDULE ON

AS MANUFACTURED BY SIMPSON STRONG-TIE. EQUIVALENT HARDWARE MY BE USED WITH PRIOR

THICKNESS OF ONE MIL. PREPARE SURFACE TO MEET REQUIREMENTS OF SSPC-SP2. TOUCHUPS OF

ABRASIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. UNO. REFER TO ARCHITECTURAL

U.N.O.

DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE SUPPORT OF THE BUILDING, BALCONIES PORCHES, OR SIMILAR PERMANENT BUILDING LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "AISC 360-10 SPECIFICATION APPURTENANCES THAT ARE EXPOSED TO THE WEATHER WITHOUT ADEQUATE PROTECTION FROM A FOR STRUCTURAL STEEL BUILDINGS". MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ROOF, EAVE, OVERHANG OR OTHER COVERING TO PREVENT MOISTURE OR WATER ACCUMULATION AT THE SURFACE OR AT JOINTS BETWEEN MEMBERS. Fy = 50 KSI

ALL WOOD INSTALLED ABOVE GROUND AND RESTING ON AN EXTERIOR CONCRETE OR MASONRY FOUNDATION WALL LESS THAN 8 INCHES FROM EXPOSED EARTH.

06200 - PRESERVATIVE TREATED WOOD PRODUCTS

POSTS OR COLUMNS SUPPORTING PERMANENT STRUCTURES AND SUPPORTED BY A CONCRETE SLAB OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH. EXCEPT;

- 1. IF LOCATED IN BASEMENTS ON A CONCRETE PIER OR METAL PEDESTAL 1 INCH ABOVE THE SLAB AND SEPARATED THEREFROM BY AN IMPERVIOUS MOISTURE BARRIER.
- IF IN AN ENCLOSED CRAWL SPACE OR AN UNEXCAVATED AREA WITHIN THE BUILDING PERIPHERY AND SUPPORTED BY A CONCRETE PIER OR PEDESTAL MORE THAN 8 INCHES FROM EXPOSED GROUND AND SEPARATED THEREFROM BY AN IMPERVIOUS MOISTURE BARRIER.
- SLEEPERS AND SILLS ON A CONCRETE SLAB ON GRADE THAT DOES NOT HAVE AN IMPERVIOUS MOISTURE BARRIER SEPARATION WITH EXPOSED EARTH.
- LEDGERS AND FURRING ATTACHED DIRECTLY TO THE INTERIOR OF EXTERIOR CONCRETE OR MASONRY WALLS BELOW GRADE.

PRESERVATIVE TREATMENT SHALL BE PER AMERICAN WOOD PRESERVERS' ASSOCIATION (AWPA) SPECIFICATION C2 AND C9 OR APPLICABLE STANDARDS.

ALL FASTENERS (NAILS, BOLTS, ANCHOR BOLTS, PLATES, HANGERS, ETC.) IN CONTACT WITH TREATED LUMBER SHALL BE CORROSION RESISTANT G-185 HOT DIPPED GALVANIZED PER ASTM A153 OR STAINLESS STEEL.

06300 - JOIST AND BEAM HANGERS

JOIST AND BEAM HANGERS AS NOTED IN THE PLANS SHALL BE AS MANUFACTURED BY SIMPSON STRONG-TIE. EQUIVALENT HARDWARE MAY BE USED WITH PRIOR APPROVAL BY ENGINEER OF RECORD. JOIST AND BEAM HANGERS SHALL BE INSTALLED PER MANUFACTURERS' SPECIFICATIONS AND SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE PER PLANS OR DETAILS:

MEMBER SIZE SAWN LUMBER	HANGER LUS OR HUS SERIES TO MATCH LUMBER SIZE WHERE NOT NOTED SPECIFICALLY BELOW
GLUED LAMINATED BEAMS (H = BEAM	A DEPTH TYPICAL) (DE CAPACITY / HE CAPACITY)
3 1/8" LGU3.25-SDS W/(16) SDS 1/4x2	2.1/2" FACE. (12) SDS 1/4x2 1/2" JOIST (6720 / 4840)
3 1/2" HGU3.63-SDS W/(36) SDS 1/4x2	2 1/2" FACE. (24) SDS 1/4x2 1/2" JOIST (14145 / 10185)
5 1/8" HGU5.25-SDS W/(36) SDS 1/4x2	2 1/2" FACE, (24) SDS 1/4x2 1/2" JOIST (14145 / 10185)
5 1/4" HHGU5.50-SDS W/(44) SDS 1/4	x2 1/2" FACE, (28) SDS 1/4x2 1/2" JOIST (17845 / 12850)
5 1/2" HHGU5.62-SDS W/(44) SDS 1/4	x2 1/2" FACE, (28) SDS 1/4x2 1/2" JOIST (17845 / 12850)
6 3/4" HHGU7.00-SDS W/(44) SDS 1/4	x2 1/2" FACE, (28) SDS 1/4x2 1/2" JOIST (17845 / 12850)
8 3/4" HHGU9.00-SDS W/(44) SDS 1/4	x2 1/2" FACE, (28) SDS 1/4x2 1/2" JOIST (17845 / 12850)

10 3/4" HHGU11.00-SDS W/(44) SDS 1/4x2 1/2" FACE, (28) SDS 1/4x2 1/2" JOIST (18480 / 13305) PROVIDE HUC HANGER FOR BEAM SIZE SPECIFIED FOR END OF BEAM CONDITIONS.

06400 - SHRINKAGE OF WOOD FRAMING

SHRINKAGE IN WOOD FRAMING IS DUE TO LOSS OF MOISTURE CONTENT AND TO COMPRESSION OF ASSEMBLIES OF WOOD COMPONENTS. PLUMBING, ELECTRICAL, AND MECHANICAL SYSTEMS AS WELL AS EXTERIOR FINISHES SHALL BE DESIGNED AND BUILT TO ACCOMMODATE 1/4 INCH PER FLOOR WOOD SHRINKAGE. THE USE OF KILN DRIED LUMBER AND PROVIDING A DRYING PROCESS TO THE FRAMING MEMBERS PRIOR TO APPLICATION OF FINISHES WILL HELP CONTROL BUT WILL NOT ELIMINATE SHRINKAGE.

06500 - WOOD SHEATHING

STRUCTURAL WOOD SHEATHING PANELS SHALL HAVE APA GRADE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION. WOOD SHEATHING PANELS SHALL BE C-D INT APA WITH EXTERIOR GLUE (CDX). ORIENTED STRAND BOARD (OSB) PANELS SHALL BE EXPOSURE 1. PANELS SHALL HAVE THE FOLLOWING THICKNESS, SPAN RATING, AND FASTENING UNLESS NOTED OTHERWISE PER PLAN: EDGE FIFI D

		NAILS	NAILS
ROOF:	5/8" 40/20 C-D APA CDX	8d AT 6"	8d AT 12"
FLOOR:	3/4" 48/24 C-D T&G	10d AT 6"	10d AT 12"
SHEARWALL:	7/16" C-D EXTERIOR GLUE	SEE SCHEE	DULE SHEET S
EXTERIOR WALL:	7/16" D-D EXTERIOR GLUE	10d AT 6"	10d AT 12"

ALL ROOF SHEATHING PANELS SHALL BE INSTALLED FACE GRAIN PERPENDICULAR TO SUPPORTS AND IN A STAGGERED PATTERN UNLESS NOTED OTHERWISE PER PLAN. BLOCKING AT INTERMEDIATE FLOOR AND ROOF SHEATHING JOINTS SHALL NOT BE REQUIRED UNLESS NOTED OTHERWISE PER PLAN. SHEARWALL SHEATHING SHALL BE BLOCKED AT ALL EDGES WITH 2X OR 3X FRAMING PER SHEARWALL SCHEDULE.

06610 - SHOP FABRICATED METAL PLATE CONNECTED WOOD TRUSSES PREMANUFACTURED METAL-PLATE-CONNECTED WOOD TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH IBC SECTION 2303.4 TRUSSES, AND THE TRUSS PLATE INSTITUTE ANSI/TPI 1-2007 "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSS CONSTRUCTION". A TRUSS SUBMITTAL PACKAGE SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION PER THE REQUIREMENTS OF IBC 2303.4.2. THE TRUSS DESIGN DRAWINGS SHALL BEAR THE STAMP AND SEAL OF A REGISTERED STATE OF WASHINGTON PROFESSIONAL ENGINEER.

DESIGN FOR THE SPANS, LOADS, SHAPES, BEARING POINTS, INTERSECTIONS, HIPS AND VALLEYS, OVER-FRAMING. BLOCKING PANELS AND ALL CONDITIONS SHOWN ON THE PLANS. THE DESIGN LOADS AND DEFLECTION CRITERIA SHALL BE AS FOLLOWS:

TOP CHORD LOADS		
TOP CHORD LIVE LOAD	25 PSF	
TOP CHORD DEAD LOAD	9 PSF	
TOP CHORD SOLAR PANEL SURCHARGE	10 PSF	
RE: S2.2a OR S2.2b	RE: PLAN	
TOP CHORD GROSS WIND UPLIFT		
OVERHANGS AT CORNERS	33.2 PSF	
CORNERS	25.0 PSF	
OVERHANG AT EDGE	19.8 PSF	
EDGES	16.9 PSF	
FIELD	9.5 PSF	
TOP CHORD GROSS WIND PRESSURE		
FIELD	6.1 PSF	
BOTTOM CHORD LOADS		
BOTTOM CHORD DEAD LOAD	5 PSF	

DEFLECTION LIMITATIONS LIVE LOAD DEFLECTION L/360 TOTAL LOAD DEFLECTION L/240

PROVIDE ALL TRUSS-TO-TRUSS CONNECTION DETAILS INCLUDING BLOCKING PANELS AND REQUIRED MATERIALS. PROVIDE EACH TRUSS WITH THE STRUCTURAL BUILDING COMPONENT (SBCA) TAGS FOR BEARING LOCATIONS, PERMANENT BRACING LOCATIONS ETC.. THE TRUSS DESIGNER SHALL SPECIFY ALL PERMANENT BRACING LOCATIONS & TRUSS REACTIONS ON THE TRUSS DESIGN DRAWINGS.

STORE, INSTALL & BRACE TRUSSES IN ACCORDANCE WITH WTCA/TPI (SBCA) BUILDING COMPONENT SAFETY INFORMATION (BCSI) "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL-PLATED-WOOD TRUSSES" & BCSI B1 THROUGH B11 QUICK REFERENCES. THE CONTRACTOR SHALL INSTALL ALL TEMPORARY BRACING; SEE BCSI-2 FOR TYPICAL TEMPORARY BRACING REQUIREMENTS.

THE CONTRACTOR SHALL INSTALL ALL PERMANENT BRACING AS INDICATED ON THE TRUSS DESIGN DRAWINGS AND PLANS. REFERENCE BCSI-B3 FOR TYPICAL PERMANENT BRACING REQUIREMENTS U.N.O.

MINIMUM BEARING FOR TRUSSES SHALL BE 3 1/2". SECURE TRUSSES TO TOP PLATE WITH (2) 0.148" DIAMETER x 3" TOE NAILED, ONE EACH SIDE. AS A MINIMUM PROVIDE H2.5A HURRICANE CLIP AT EACH SUPPORT OF TRUSS.

06620 - STRUCTURAL GLUED LAMINATED TIMBER GLUED-LAMINATED MEMBERS SHALL HAVE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC)

IDENTIFICATION MARK. EXPOSED MEMBERS SHALL RECEIVE ONE COAT OF END SEALER APPLIED IMMEDIATELY AFTER TRIMMING IN EITHER SHOP OR FIELD. DESIGN MATERIAL PROPERTIES SHALL BE AS FOLLOWS:

USF COMBINATION SYMBOL SIMPLE SPAN BEAM 24F-V4 CONTINUOUS BEAM 24F-V8 CANTILEVER BEAM 24F-V8

UNEXPOSED GLUED-LAMINATED TIMBER SHALL BE INDUSTRIAL GRADE. TYPICAL, UNLESS NOTED OTHERWISE, EXPOSED GLUED LAMINATED TIMBER SHALL BE APPEARANCE CLASS PER ARCHITECT.

PRESERVATIVE TREATED WOOD SHALL BE REQUIRED FOR ALL WOOD THAT FORMS THE STRUCTURAL

S1.1

5

CAMBER STANDARD ZERO ZERO

08100 - EPOXY ADHESIVE ANCHORS CONCRETE EPOXY SPECIFIED IN THE DRAWINGS SHALL BE SIMPSON STRONG-TIE SET-XP EPOXY ADHESIVE. ANCHOR ROD, THREADED ROD, OR REINFORCING DIAMETER AND EMBEDMENT PER PLAN. INSTALLATION PER ESR-2508.

08200 - EXPANSION ANCHORS CONCRETE

EXPANSION ANCHORS SPECIFIED IN THE DRAWINGS SHALL BE SIMPSON STRONG-TIE STRONG-BOLT WEDGE ANCHOR. ANCHOR DIAMETER AND EMBEDMENT PER PLAN. INSTALLATION PER SECTION 4.3 OF ESR-1771.

08300 - SCREW ANCHORS CONCRETE

SCREW ANCHORS SPECIFIED IN THE DRAWINGS SHALL BE SIMPSON STRONG-TIE TITEN HD. ANCHOR DIAMETER AND EMBEDMENT PER PLAN. INSTALLATION PER ESR-2713.

SHEET DESCRIPTION Rev Rev Date S1.0 Structural Notes S1.1 Shearwall Schedule and Details S1.2 Holddown Schedule and Details S2.0a Foundation Plan S2.0b Pipe Pile Foundation Plan S2.1 Upper Floor Framing Plan S2.2a Roof Framing Plan S2.2b Roof Framing Plan S6.0 Typical Concrete Details

STRUCTURAL DRAWING LIST

S9.0 Typical Wood Framing Details

S10.0 Secondary Components

S10.1 Trash & Bike, Shed Plans

;" APA RATED SHEATHING W/ HEM-FIR STUDS AND HEM-FIR PLATES							
7	RIM OR BLOCK	ING TO TOP PLATE	CONN. (10)	RIM/	FRAMING	FOUNDATION	ANCHOR BOL
G	0.148"x3.25" TOENAIL	LTP4 DIRECT TO FRAMING	A35 ONLY	9	AT ADJOINING PANEL EDGES 5	SILL PLATE	5/8" DIA. 7" EMBED
	4" O.C.	N/A	N/A	(1) 2x	2x	2x	48" O.C.
	N/A	24" O.C.	16" O.C.	(1) 2x	2x	2x	48" O.C.
	N/A	16" O.C.	12" O.C.	(2) 2x	(2)2x OR 3x	2x	32" O.C.
	N/A	12" O.C.	10" O.C.	(2) 2x	(2)2x OR 3x	2x	24" O.C.
	N/A	10" O.C.	10" O.C.	4x	(2)2x OR 3x	2x	18" O.C.
	N/A	10" O.C.	10" O.C.	4x	(2)2x OR 3x	2x	16" O.C.
	N/A	8" O.C.	8" O.C.	4x	(2)2x OR 3x	2x	12" O.C.
	N/A	6" O.C.	6" O.C.	4x	(2)2x OR 3x	2x	8" O.C.

3. RE: S1.0 SECTION 06500 "WOOD SHEATHING" FOR REQUIRED SHEAR WALL SHEATHING, THICKNESS AND GRADE. ALL SHEAR WALL PANELS SHALL BE APPLIED DIRECTLY TO FRAMING.

5. FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL NOT BE LESS THAN 3" NOMINAL AND NAILS SHALL BE STAGGERED FOR ALL SHEARWALL MARKS EXCEPT "P6".

10. ANCHOR BOLTS SHALL BE GALVANIZED 5/8" DIAMETER A-307 AND SHALL BE SECURED IN PLACE PRIOR TO CONCRETE POUR. WET STICKING OF ANCHOR BOLTS IS NOT ALLOWED. 11. GALVANIZED 3" X 3" X 0.25" (MIN.) PLATE WASHERS ARE REQUIRED AT EACH ANCHOR BOLT - SEE 12 THIS SHEET FOR PLACEMENT REQUIREMENTS. RECESSING PLATE WASHERS IN PLATES IS NOT ALLOWED.

19. WHERE BUILDING OFFICIALS ALLOW, OSB SHEATHING MAY BE APPLIED OVER 1/2" OR 3/8" GYPSUM WALL BOARD PROVIDED SHEATHING IS NAILED WITH 10D NAILS (0.148" DIA X 3" LONG)

SHEARWALL TYPE W1 7/16" CD EXTERIOR GLUE SHEATHING (RE: NOTES 06500) SHEATHING: APPLIED DIRECTLY TO FRAMING NAILING USE LENGTH x DIAMETER BOTTOM PLATE/FRAMING 3 1/4" x 0.148" PANEL EDGE NAILING 2 1/2" x 0.131" SPECIAL INSPECTION: PER JURISDICTION STUD SPACING: 16"O.C. MAX. STUDS AND PLATE: RE: NOTES 06100 FLOOR THICKNESS: 3/4" ANCHOR BOLT: 5/8" DIA., 7" EMBED. AT SPACING PER 9/S1.1 RIM/BLOCKING: 0.148" DIA. NAILS AT 4" O.C./SG=0.50 **RIM, BLOCKING** BOTTOM PLATE NAILING NO. PIECES/THICKNESS (CLOSEST SPACING) (1) ROWS 0.148" DIA. AT 4" O.C. (1) / 1.5" (2) ROWS 0.148" DIA. AT 4" O.C. (2) / 3.00" (3) ROWS 0.148" DIA. AT 4" O.C. (1) / 3.50" SHEATHING PANELS MAY BE INSTALLED EITHER VERTICALLY OR HORIZONTALLY ALL PANEL EDGES SHALL BE FASTENED TO STUDS OR BLOCKING. 3 <u>PANEL EDGE NAILING:</u> NAILING AT ALL OUTER EDGES OF SHEATHING PANELS IN SHEARWALLS • • SHALL BE FASTENED PER THE SHEARWALL SCHEDULE. • 4 <u>FIELD NAILING:</u> WITHIN THE FIELD OF THE PANEL, AT FRAMING MEMBERS, THE PANELS ARE LESS |•| |· CLOSELY FASTENED. 5 FRAMING AT ADJOINING PANEL EDGES: WHERE TWO PIECES OF PLYWOOD JOIN ON A FRAMING MEMBER, THE PANEL MINIMUM SIZE OF SHEATHING EDGE NAILING FROM EACH PANEL IS TO BE STAGGERED. SOME WALLS REQUIRE SHALL BE 2'-0" X 4'-0" BLOCK ALL PLYWD. EDGES 3 INCH NOMINAL FRAMING MEMBER (EITHER A STUD OR BLOCKING) AT ADJOINING NOT SUPPORTED BY FRAMING PANEL EDGES (SEE SHEARWALL SCHEDULE FOR WALL TYPES REQUIRING 3 INCH NOMINAL FRAMING MEMBERS AT ADJOINING PANEL EDGES). WHERE A SINGLE PANEL EDGE LANDS ON A FRAMING MEMBER, A 2 INCH NOMINAL FRAMING MEMBER SHALL BE ACCEPTABLE (AT ENDS OF WALLS FOR EXAMPLE). BLOCK ALL PLYWOOD EDGES NOT SUPPORTED BY FRAMING MEMBERS AND NAIL W/PANEL EDGE NAILING. RE: NOTE 18/S1.1 FOR (2) 2x SUBSTITUTION REQUIREMENTS. 〔6 〕<u>BOTTOM PLATE</u>) BOTTOM PLATE NAILING: LOCATE THE NAILING THROUGH THE BOTTOM PLATE SO AS TO FULLY PENETRATE THE SOLID BLOCKING OR CONTINUOUS RIM BENEATH THE FLOOR SHEATHING, SPACED AS PER THE SHEARWALL SCHEDULE. FLOOR DIAPHRAGM NAILING: FLOOR DIAPHRAGM NAILING SHALL BE INSTALLED BETWEEN THE SPACING SHOWN FOR BOTTOM PLATE NAILING. LOCATE ADJOINING PANEL EDGES OF FLOOR SHEATHING AWAY FROM SHEARWALLS. RE: NOTES 06500 9) RIM / BLOCKING JOIN ADJACENT RIMS AND BLOCKING WITH FACE NAILING AS SPECIFIED ABOVE. SHIM WITH FULL HEIGHT SHIMS, ADJUST FACE NAIL LENGTHS. REFER TO PLANS FOR ADDITIONAL SEISMIC CONNECTIONS AT THE FLOOR OR ROOF LEVEL.) <u>RIM / BLOCKING TO TOP PLATE CONNECTION:</u> THE CONTINUOUS RIM OR SOLID BLOCKING THAT IS PART OF THE SHEARWALL ASSEMBLY SHALL BE CONNECTED TO THE DOUBLE TOP PLATE OR FOUNDATION SILL PLATE WITH APPROVED CONNECTORS AND SPACED PER THE SHEARWALL SCHEDULE. DOUBLE TOP PLATE. LAP AND SPLICE - SEE PLANS FOR ADDITIONAL SEISMIC CONNECTIONS AT THE FLOOR OR ROOF LEVEL. RE: 2/S9.0) <u>FOUNDATION SILL PLATE:</u> ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESERVATIVE (14 TREATED. THE FOUNDATION SILL PLATE SHALL BE EITHER 2 INCH NOMINAL OR 3 INCH NOMINAL DEPENDING ON THE SHEARWALL SCHEDULE. |°| ANCHOR BOLTS FULL DIAMETER ANCHOR BOLTS, ASTM A-307 SHALL BE SECURED IN PLACE PRIOR TO PLACING CONCRETE. MINIMUM EMBEDMENT IS 7 INCHES. MIN. (2) BOLTS PER PIECE OF PLATE, W/(1) BOLT NOT MORE THAN 12" FROM END OF PIECE. 14) <u>PLATE WASHERS:</u> PLATE WASHERS SHALL BE REQUIRED FOR FOUNDATION SILL PLATE CONNECTIONS, 3" X 3" X 1/4" MINIMUM. DO NOT RECESS BOLTS IN SILL PLATE UNLESS SPECIFICALLY DETAILED ELSEWHERE. 16) <u>DIAPHRAGM:</u> SEE (1) FOR SHEARWALL, FLOOR AND ROOF DIAPHRAGM THICKNESS. (17) <u>CONCRETE BASE:</u> CONCRETE FOUNDATION OR BASE. 44 4-4' Ł, 、∰ :4 ≁` ·· ** ` . 4 `

HOLDOW SEE SHEET S1.2 FOR HOLDOWN DETAILS AND ADDITIONAL STUDS REQUIRED.

CT ENGINEERING INC. Structural Engineers 180 Nickerson Street Suite 302 Seattle, WA 98109 206.285.4512 (V) 206.285.0618 (F) www.ctengineering.com
DATE
REVISION
og
JOB #: 19193 ENG: BJM CAD: JMA SCALE: 3/4" = 1'-0" KEY ISSUE DATES SD: SD DD: DD CD: CD PERMIT: 01/17/2020 OTHER: BD
Shearwall Schedule and Details Vashon Housing 9914 SW 188th ST. Vashon WA. 98070
S1.1

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LAP SF 1. TEN DIA DIAME (SPA 2. "OT CONCI CAS 3. "TC BARS. 4. CO 5. DE SCALE: NOI 1	BAR fc=3000 PSI SIZE Ld OTHER BARS #3 16" 21" #4 22" 28" #5 27" 36" #6 33" 43" PLICE SCHEDULE NOTES: ISION LAP SPLICE SHOWN ABOVE FOR COMETER AND CENTER TO CENTER SPACING TERS ACING AND COVER CASE1). TENSION LAP HER BARS" ARE ALL VERTICAL BARS AND RETE ST BELOW THE BAR. OP BARS" ARE HORIZONTAL BARS WITH MUM MPRESSION LAP SPLICES SHALL BE 30 BA VELOPMENT LENGTH (Ld) IS "OTHER BARS NE TYPICAL LAP	TOP BARS LAP SPLICE 28" 37" 46" 56" ONCRETE COVE 3 GREATER TH/ SPLICE SHOWN HORIZONTAL B ORE THAN 12" C AR DIAMETERS I S", CLASS A. SPLICE	R GREATER THAN OR EQUAL TO BAR AN OR EQUAL TO TWO BAR ABOVE ARE CLASS B SPLICES. ARS WITH LESS THAN 12" OF OF CONCRETE CAST BELOW THE MIN. U.N.O. ON THE DRAWINGS	SCALE: NO	R D STANDARD 180 DEGREE 0 A OR G 6db 2 1/4" 6db 3" 6db 3 3/4" 7" 6db 6db 4 1/2" 8" 6db 6db 4 1/2" 8" 6db 6db 4 1/2" 6db 4 0 r 6db 4 1/2" 8" 6db 6db 4 1/2" 6db 4 1/2" 8" 6db 6db 4 1/2" 8" 6db 6db 7" 6db 6db 6db 6db 6db 6db 6db 6db 6db 6db 6db 6db 7 <td< th=""><th>HOOK ST J BAR 3" # 4" # 5" # 6" # 6" # STA DE BEND DIAME</th><th>ANDARD 90 DEG SIZE D 3 2 1/4" 4 3" 5 3 3/4" 6 4 1/2" NDARD 90 DEGR TER</th></td<>	HOOK ST J BAR 3" # 4" # 5" # 6" # 6" # STA DE BEND DIAME	ANDARD 90 DEG SIZE D 3 2 1/4" 4 3" 5 3 3/4" 6 4 1/2" NDARD 90 DEGR TER
& @ ' " # = A.B. ABV. ADD. ADJ. ADJ. ALUM. ALT. APPROX. ARCH. ASSY. B. (BTM.) BEL. BEN B.F. BLDG.	ABBREVIATIONS AND AT FEET (FOOT) INCH (INCHES) POUND(S), NUMBER EQUAL(S) ANCHOR BOLT ABOVE ADDITIONAL ADJACENT ALUMINUM ALTERNATE APPROXIMATE(LY) ARCHITECT(URAL) ASSEMBLY BOTTOM BELOW BOUNDARY EDGE NAILING BRACED FRAME BUILDING	d DB DBA DBL. DCW DEPT. DET. DF DIAG. DIAPH. DIAG. DIAPH. DIM. D.O. DP. D.S. DWG. DWL. (E) EA.	ABBREVIATIONS PENNY (NAILS) DROPPED BEAM DEFORMED BAR ANCHORS DOUBLE DEMAND CRITICAL WELD DEPARTMENT DETAIL DOUGLAS FIR DIAMETER DIAGONAL DIMENSION DOWN DITTO (REPEAT) DEEP DRAG STRUT DRAWING(S) DOWELS(S)	GA. GALV. GB. GLB GRD. GWB GYP. HD H.D.G. HGR. HORIZ. HR H.S.B. HT. I.D. I.E. I.F. IN. INFO.	ABBREVIATIONS GAUGE GALVANIZE(D) GRADE BEAM GLUE LAMINATED BEAM GRADE GYPSUM WALLBOARD GYPCRETE HOLDOWN HOT DIPPED GALVANIZED HANGER HORIZONTAL HEADER HIGH STRENGTH BOLT HEIGHT INSIDE DIAMETER INVERT ELEVATION INSIDE DIAMETER INVERT ELEVATION INSIDE FACE INCH(ES) INFORMATION	O.C. O.D. O.F. O.H. OPNG. OPP. ORNT. OSB O.W.J. PAR. P/C PEN PERP. PL. PL PLMBG. PLYWD. PSF PSI P.T.	ABBREVIA ON CENTER OUTSIDE DIAN OUTSIDE DIAN OUTSIDE FAC OPPOSITE HA OPENING OPPOSITE ORIENTATION ORIENTED STI OPEN WEB JC PARALLEL PRECAST PANEL EDGE PERPENDICUI PLATE PROPERTY LII PLUMBING PLYWOOD POUNDS PER POUNDS PER POUNDS PER POUNDS PER
BLDU. BLK.(G.) BLW. BM. BMU BN BNDRY. B.O. B.O.E. B.O.F. BRDG. BRG. BRG. BTWN. C CAMB. CANT. CF C.I.P. C.J. CLG. CLR. COL. CONC. CONN. CONST. CONT. CTSK. CTR. CY CMU	BLOCK (ING) BELOW BEAM BRICK MASONRY UNIT BOUNDARY NAILING BOUNDARY BOTTOM OF BOTTOM OF BOTTOM OF EXCAVATION BOTTOM OF FOOTING BRIDGE, BRIDGING BEARING BETWEEN CAMBER CAMBER CAMBER(ED) CANTILEVER(ED) CUBIC FOOT CAST IN PLACE CONSTRUCTION JOINT CENTER LINE CEILING CLEAR COLUMN CONCRETE CONNECTION CONSTRUCTION CONSTRUCTION CONTINUOUS COUNTERSINK CENTER(ED) CUBIC YARD CONCRETE MASONRY UNIT	E. K. E.E. E.J. EL. ELEV. EMBD. EN ENG. EQ. EQPT. EXT. EXT. EXT. EXT. FAB. FB FDN. F.F. FIN. FLG. FLR. FN F.O. F.O.C. F.O.M. F.O.S. F.O.W. FRM. F.S. FT. FT. FT.	EACH END EACH FACE EXPANSION JOINT ELEVATION ELEVATOR EMBED(MENT) EDGE NAIL ENGINEER EQUAL EQUIPMENT EACH WAY EXPANSION EXISTING EXTERIOR FABRICATION FLUSH BEAM FOUNDATION FINISH FLOOR FINISH FLOOR FINISH (ED) FLANGE FLOOR FIELD (FACE) NAIL FINISHED OPENING FACE OF CONCRETE FACE OF MASONRY FACE OF STUD FACE OF WALL FRAME (FRAMING) FAR SIDE FEET (FOOT) FIRE RETARDANT TREATED WOOD FOOTING	INT. JST. JT. K LAT. LB. LG. LGTH. LGMF. LGMF. LLH LLV LSH L.W. MAT. MAT. MAX. M.B. MBM MECH. M.E.J. MEZZ. MFR. MIN. MISC. MTL. N.L.B. NO. N.S. N.T.S.	INTERIOR JOIST JOINT KIPS (1000 LB.) LATERAL POUND(S) LAG BOLTS(S) LONG(ITUDINAL) LENGTH LIGHT GAUGE METAL FRAMING LONG LEG HORIZONTAL LONG LEG VERTICAL LONG SLOTTED HOLE(S) LIGHT WEIGHT MATERIAL MAXIMUM MACHINE BOLT METAL BUILDING MANUFACTURER MECHANICAL MASONRY EXPANSION JOINT MEZZANINE MANUFACTURER MINIMUM MISCELLANEOUS METAL NON-LOAD BEARING NUMBER NEAR SIDE NOT TO SCALE	PT QTY. R. (RAD.) RE: (REF.) REINF. REQ. R.F. R.O. R.S. SCH. SCHED. SCL SHT. SIM. S.J. SKW. S.O.G. SPC. SPEC. SQ. STD. STGR. STIFF. STIR. STIF. STIR. STI. STRUC. STRUCT. SUSP. SYMM.	POST TENSIO QUANTITY RADIUS REFERENCE REINFORCEM REQUIRED RIGID FRAME ROUGH OPEN ROUGH SAWN SCHEDULE SCHEDULE STRUCTURAL SHEET SIMILAR SHRINKAGE C SKEW(ED) SLAB ON GRA SPACE(S) (INC SPECIFICATIC SQUARE STANDARD STAGGER STIFFENER(S) STIRRUP(S) STEEL STRUCTURAL SUSPENDED(SYMMETRICAL

N.W.C. NORMAL WEIGHT CONCRETE

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	 FASTENING SCHEDULE BASED ON IBC T REQUIRED. WHEN SPECIFIED ELSEWHE FOR COMPLETE NAILING SCHEDULE. 	ABLE 2304.10.1 AND PROVIDES THE N RE IN THESE PLANS PROVIDE NAILIN	/INIMUM NAILING G AS SPECIFIED. SEE IBC	1 W(sing ^{ST.}
	a. COMMON OR BOX NAILS ARE PERMITTE	SEE SHEARWALL SCHEDULE SEE STRUCTURAL NOTES D TO BE USED EXCEPT WHERE NOTE	ED OTHERWISE.	
	30. BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS	(2) 8d COMMON (2 1/2" X 0.131"); OR (2) 3" X 0.131" NAILS	EACH END, TOENAIL	
OOD BEAM	 28. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS 29. JOIST TO BAND JOIST OR RIM JOIST 	 (2) 20d COMMON (4" X 0.192"); OR (3) 3" X 0.131" NAILS (3) 16d COMMON (3 1/2" X 0.162"); OR (4) 3" X 0.131" NAILS (2) 16d COMMON (3) 3" X 0.131" NAILS (3) 16d COMMON (3 1/2" X 0.162"); OR (4) 3" X 0.131" NAILS 	FACE NAIL FACE NAIL FACE NAIL FACE NAIL END NAIL	Fami
		3" X 0.131" NAILS	OPPOSITE SIDES 24"OC, FACE NAIL AT TOP AND BOTTOM STAGGERED ON	ng I
	27. BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	20d COMMON (4" X 0.192")	32"OC, FACE NAIL AT TOP AND BOTTOM STAGGERED ON	De 1
	 25. 2" SUBFLOOR TO JOIST OR GIRDER 26. 2" PLANKS 	(2) 16d COMMON (3 1/2" X 0.162") (2) 16d COMMON (3 1/2" X 0.162")	FACE NAIL EACH BEARING, FACE	tai
	 RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER 1" X 6" SUBFLOOR OR LESS TO EACH 	8d COMMON (2 1/2" X 0.131"); OR 3" X 0.131" NAILS (2) 8d COMMON (2 1/2" X 0.131")	6"OC, TOENAIL FACE NAIL	
	FLOOR22. JOIST TO SILL, TOP PLATE, OR GIRDER	(3) 8d COMMON (2 1/2" X 0.131"); OR 3" X 0.131" NAILS	TOENAIL	
	21. 1" X 8" AND WIDER SHEATHING TO EACH BEARING	(3) 8d COMMON (2 1/2" X 0.131")	FACE NAIL	
	20. 1" X 6" SHEATHING TO EACH BEARING	(2) 3" X 0.131" NAILS (2) 8d COMMON (2 1/2" X 0.131")	FACE NAIL	B #: 19 4G: 06 AD: 4 AD: 10 ALE: 3
	 18. TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS 19. 1" BRACE TO EACH STUD AND PLATE 	(2) 16d COMMON (3 1/2" X 0.162"); OR (3) 3" X 0.131" NAILS (2) 8d COMMON (2 1/2" X 0 131") [.] OR	FACE NAIL	9193 esigner lthor DATES: 17/2020
	17. TOP OT BOTTOM PLATE TO STUD	(2) 16d COMMON (3 1/2" X 0.162"); OR (3) 3" X 0.131" NAILS	END NAIL	
	STUD TO TOP OR BOTTOM PLATE	(3) 3" X 0.131" NAILS (2) 16d COMMON (3 1/2" X 0.162");	END NAIL	
	BAND JOIST OR BLOCKING AT BRACED WALLO PANELS 16. STUD TO TOP OR BOTTOM PLATE	OR (4) 3" X 0.131" NAILS (4) 8d COMMON (2 1/2" X 0.131"): OR	TOENAIL	
	 BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS) BOTTOM PLATE TO JOIST RIM JOIST 	16d COMMON (3 1/2" X 0.162"); OR 3" X 0.131" NAILS	16"OC FACE NAIL 12"OC FACE NAIL	REVISION
	13. TOP PLATE TO TOP PLATE, AT END JOINTS	3" X 0.131" NAILS (8) 16d COMMON (3 1/2" X 0.162") OR (12) 3" X 0.131" NAILS	EACH SIDE OF END JOINT, FACE NAIL (MINIMUM 24" LAP SPLICE LENGTH EACH	
SS SYSTEM FRAMING	11. CONTINUOUS HEADER TO STUD 12. TOP PLATE TO TOP PLATE	(4) 8d COMMON (2 1/2" X 0.131") 16d COMMON (3 1/2" X 0.162") OR	TOENAIL 16"OC FACE NAIL	
	(AT BRACED WALL PANELS) 10. BUILT-UP HEADER (2" TO 2" HEADER)	16d COMMON (3 1/2" X 0.162")	16"OC EACH EDGE, FACE NAIL	ATE
TINUOUS PANEL EDGES. SUPPORTS AND AT	WALL 8. STUD TO STUD (NOT AT BRACED WALL PANELS) 9. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS	16d COMMON (3 1/2" X 0.162"); 3" X 0.131" NAILS 16d COMMON (3 1/2" X 0.162");OR 3" X 0 131" NAILS	24"OC FACE NAIL 16"OC FACE NAIL 16"OC FACE NAIL 12"OC FACE NAIL	
	7. ROOF RAFTERS TO RIDGE VALLEY OR HIP RAFTERS; OR ROOF RAFTER TO 2-INCH RIDGE BEAM	(2) 16d COMMON (3 1/2" X 0.162");OR (3) 3" X 0.131" NAILS	END NAIL	THE REAL PROPERTY OF THE PROPERTY OF THE REAL PROPE
G DETAIL	6. RAFTER OR ROOF TRUSS TO TOP PLATE (SEE SECTION 2308.7.5, TABLE	(3) 10d COMMON (3" X 0.148");OR (4) 3" X 0.131" NAILS	TOENAIL	117/20
	 SECTION 2308.7.3.1, TABLE 2308.7.3.1) COLLAR TIE TO RAFTER 	(3) 10d COMMON (3" X 0.148"); OR (4) 3" X 0.131" NAILS	FACE NAIL	
	 PARALLEL RAFTER, LAPS OVER PARTITIONS (NO THRUST) (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1) 4. CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT) (SEE 	(4) 3" X 0.131" NAILS PER TABLE 2308.7.3.1	FACE NAIL	Stri 206.2 www.
	3. CEILING JOIST NOT ATTACHED TO	 (3) 3" X 0.131" NAILS (3) 16d COMMON (3 1/2" X 0.162"); OR 	FACE NAIL	NG uctura 85.4512 (ctenginee
	FLAT BLOCKING TO TRUSS AND WEB FILLER 2. CEILING JOISTS TO TOP PLATE	16d COMMON (3 1/2" X 0.161") A I 6"OC (3) 8d COMMON (3 1/2" X 0.131"); OR	FACE NAIL EACH JOIST, TOENAIL	al Eng Street Su V) 20
	BLOCKING BETWEEN RAFTERS OR TRUSSES NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS	(2) 16d COMMON (3 1/2" X 0.162") (3) 3" X 0.131" NAILS		incers 6.285.0618 (
	PLATE OR OTHER FRAMING BELOW BLOCKING BETWEEN RAFTERS OR TRUSSES NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS	(2) 8d COMMON (2 1/2" X 0.131") (2) 3" X 0.131" NAILS	EACH END, TOENAIL	
	ROOF 1. BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP	(3) 8d COMMON (2 1/2" X 0.131"); OR (3) 3" X 0.131" NAILS	EACH END, TOENAIL	
	IBC 2015 TABLE 2	304.10.1 FASTENING SCHED FASTENING (a)		
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