ST LAWRENCE COUNTY NEW HIGHWAY GARAGE & SALT STORAGE BUILDING RT 11 POTSDAM, NEW YORK

PROJECT DATA:

i ow	NER:	ST LAWRENCE COUNTY 48 COURT STREET CANTON, NEW YORK 13617	1 GROUND SNOW LOAD 70 PSF WIND SPEED 90 MPH SEISMIC DESIGN C				
2 PT	OJECT ADDRESS:	rt 11 Potsdam, New York 13676	GENERAL NOTES:				
•			1 BUILDING CODE OF NEW YORK STATE AND RELATED VOLUMES, 2020 EDITION, APPLIES				
3 00	CUPANCY:	S-1 / B NS NON-SEPARATED	TO THIS WORK.				
4 Th	PE OF CONSTRUCTION:	ү-В	2 The contractor shall determine the exact location and elevation of all				
5 Pi	OJECT DESCRIPTION:	New Highway truck storage building and Salt Storage building	UTILITY SERVICES BEFORE BEGINNING CONSTRUCTION, ESPECIALLY IN THE AREAS TO BE DEMOLISHED OR EXCAVATED. FOR UNDERGROUND WORK, NYS INDUSTRIAL CODE 53 REQUIRES THAT THE UNDERGROUND PROTECTIVE ORGANIZATION BE CONTACTED AT				
inde	x of drawings:		SERVICE OF PUBLIC AND UTILITY-OWNED LINES ONLY. EXISTING UNDERGROUND				
TI	TITLE & NOTES		GROUND FEATURES, AND OTHER UTILITIES MAY EXIST. CONTRACTOR SHALL MAKE				
ต	OVERALL SITE PLAN		EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO MEET EXISTING				
CI-NB	OVERALL SITE PLAN		CONDITIONS. CONTRACTOR TO LOCATE PRIVATE LINES WHICH MAY NOT BE LOCATED BY MARKING SERVICE.				
C2	SITE/ GRADING PLAN		3				
СЗ	SITE PLAN/ DRIVEWAY	GRADING	THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND EXISTING SITE AND BUILDING CONDITIONS PRIOR TO BEGINNING THE WORK AND NOTIFY ARCHITECT IN				
C4	UTILITY SITE PLAN		WRITING OF ANY DISCREPANCIES IN THE DRAWINGS.				
C5	SITE UTILITY DETAILS		4 SLOPE GRADE AWAY FROM BUILDING AT ALL AREAS, MINIMUM 5% FOR 10 FEET FOR POSITIVE DRAINAGE.				
TRUC	K STORAGE		5 Contractor to provide adequate bracing and shoring of excavations. And				
A1-1	FIRST FLOOR PLAN/ T	YPICAL DETAILS	FLOORS, WALLS, AND ROOFS DURING CONSTRUCTION.				
A1-2	DETAILED PLANS/ TY	PICAL DETAILS	6 PROVIDE HANDRAILS 34" < H < 38" WITH A MINIMUM OF 1-1/2" CLEARANCE TO				
A2	FIRST FLOOR & GARA	GE/MEZZANINE REFLECTED CEILING PLAN	SUPPORTING WALL AT ONE BOTH SIDES (RECOMMENDED) OF ALL STAIRS AND/OR RAMPS, AND MAX PRO JECTION OF 3-1/2", RAILING SHALL BE 1-1/4" TO 1-1/2" DIAMETER				
A3	FXTERIOR FLEVATION	3	ROUND METAL OR WOOD.				
A4.	GECTION ELEVATIONS	-	7 PROVIDE GUARDRAU 6.42" HIGH AT ALL CHANGEG IN ELEVATION GREATER THAN 30"				
лн Аб	SCHEDIII ES/ INTERIO	PELEVATIONS	(34" MIN ABOVE TREAD NOSINGS ON STAIRS): RAILING SHALL RESIST FORCE OF 50				
61 61		EZZANINE ERAMING PLAN/ TYPICAL DETAILS	GREATER THAN 4".				
62			\mathcal{B} \mathcal				
52 63			3/4" TO 1-1/8" NOSING ON TREADS. SLOPED RISER RECOMMENDED. HEADROOM SHALL				
			$ \begin{array}{c} DE \ Min \ O^{-} O \ . \\ O \\ O \end{array} $				
94 65			FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS STRICTLY FOR				
			INSTALLATION, ASSEMBLT, AND/OK APPLICATION OF MANUFACTURED PRODUCTS AND SYSTEMS.				
50			10				
57	FOUNDATION SECTION	IS & DETAILS (TISDEL)	DIMENSIONS SHOWN ARE TO FACE OF STUD OR FACE OF MASONRY/OUTSIDE FACE OF ICF's.				
H1-1	FIRST FLOOR RADIAN		in a second s				
H1-2	MEZZANINE HEAT PLA	N/ SCHEDULES AND DETAILS	PERMANENT SIGNAGE IDENTIFYING INTERIOR ROOMS MUST COMPLY WITH ADA REQUIREMENTS IN OFFICES.				
H2-1	FIRST FLOOR VENTILA	TION PLAN/ SCHEDULES	12				
H3	BOILER PIPING DETAIL		REFER TO SPECIFICATIONS FOR COMPLETE INFORMATION.				
H4	BOILER WIRING DETAI	L	13 CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE				
H5	VENTILATION WIRING DETAILS		CONSTRUCTION SAFETY RULES, INCLUDING OSHA TITLE 29 CFR PART 1926, LATEST EDITION. THE WORK AREA SHALL BE ADEQUATELY ISOLATED FROM ACCESS TO THE				
E1-1	FIRST FLOOR ELECTRI	CAL PLAN	GENERAL PUBLIC.				
E1-2	SECOND FLOOR ELEC	TRICAL PLAN/ SCHEDULES AND DETAIS	14 Contractor Shall Ensure owner receives certificate of compliance lipon				
E2-1	FIRST FLOOR ELECTRI	CAL LIGHTING PLAN	COMPLETION OF CONSTRUCTION WORK.				
E2-2	SECOND FLOOR ELEC	TRICAL LIGHTING PLAN/ SCHEDULES AND DETAILS					
P1- 1	FIRST FLOOR DWV PIP	ING PLAN/ SCHEDULES AND DETAILS					
P1-2	SECOND FLOOR DWV	PIPING PLAN					
P2-1	FIRST FLOOR DOMES	NC WATER PIPING PLAN/ DETAILS					
P2-2	SECOND FLOOR DOM	ESTIC WATER PIPING PLAN/ DETAILS					
SAL1	STORAGE						
A1	FIRST FLOOR PLAN/ T	YPICAL DETAILS					
A2	EXTERIOR ELEVATION	6					
S1	ROOF/ ROOF FRAMING	3 PLAN/ TYPICAL BUILDING SECTION					
5100	FOUNDATION PLAN &	NOTES					
5101	FOUNDATION DETAILS	5/ TYPICAL SECTIONS					

BUILDING AND SITE DATA:

LIGHTING PLAN/ SCHEDULES/ DETAILS

OWNER SHALL BE RESPONSIBLE FOR OBTAINING BUILDING PERMIT. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION DURING CONSTRUCTION WITH REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL INFORM OWNER OF OTHER NECESSARY PERMITS FROM AUTHORITIES HAVING JURISDICTION, IF ANY, AND OWNER SHALL BE RESPONSIBLE FOR OBTAINING.

CONTRACTOR SHALL LOCATE, MARK, AND SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND R.O.W. MONUMENTS IN THE AREAS OF CONSTRUCTION.

PROPERTY LINE INFORMATION PROVIDED BY OTHERS AND MAY NOT BE ENTIRELY TRUE AND CORRECT AND ARE NOT INTENDED FOR USE IN THE CONVEYANCE OF LAND. ACTUAL LOCATION OF THESE LINES IS SUBJECT TO AN ACCURATE BOUNDARY SURVEY

TO MAINTAIN UNTIL UPSTREAM GROUND COVER HAS BEEN ESTABLISHED.

PROVIDE FIRESTOPPING PER SECTION R602.8, PARTICULARLY CONCEALED VERTICAL SPACES AND PENETRATIONS AT EACH FLOOR LEVEL, AND PER R502.12, WITH CONCEALED FLOOR/CEILING AREAS NOT EXCEEDING 1000 SF

WINDOW AND DOOR OPENINGS SHALL BE FLASHED WITH BUILDING PAPER OR FLASHING TAPE; SILLS FIRST (UP JAMBS), THEN JAMBS, THEN HEAD, OVER NAILING FIN AND AIR BARRIER

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH NEW YORK STATE TRUSS IDENTIFICATION SIGN CODE FOR FIREFIGHTERS AND INSTALLATION OF REQUIRED SIGNAGE ON BUILDING IN COORDINATION WITH LOCAL AUTHORITY HAVING JURISDICTION

REINFORCED CONCRETE:

AND/OR RAMPS, ALL POURED CONCRETE SHALL CONTAIN 4-6% ENTRAINED AIR AND ATTAIN A 28-DAY

REINFORCING STEEL SHALL BE GRADE 60 CONFORMING TO THE REQUIREMENTS OF ASTM WOOD WALL SHEATHING

PROVIDE 3/4" CHAMFER OR 1/2" RADIUS ON ALL EXPOSED CORNERS.

PROVIDE COVERAGE OF REINFORCING PER ACI 318-05, AND AS EXCERPTED BELOW, EXCEPT AS NOTED ON DRAWINGS: CONCRETE CAST AGAINST AND EXPOSED TO EARTH 3"

CONCRETE EXPOSED TO EARTH OR WEATHER #6 AND LARGER #5 AND SMALLER, INCLUDING WIRE CONCRETE NOT EXPOSED TO WEATHER OR GROUND SLABS, WALLS, JOISTS, #11 AND SMALLER 3/4"

WELDED WIRE FABRIC SHALL BE PROVIDED IN SHEET FORM CONFORMING TO ASTM A185 (PLAIN WELDED WIRE) OR ASTM A497 (DEFORMED WELDED WIRE REINFORCEMENT).

ANCHOR BOLTS, DOWELS, INSERTS, BLOCKOUTS AND OTHER EMBEDDED ITEMS SHALL BE SECURELY HELD IN PLACE DURING PLACING OF CONCRETE.

SPLICES (LAP LENGTH) AND DEVELOPMENT IN REINFORCING STEEL SHALL BE ACCORDING TO CHAPTER 12 ACI 318-08. GRADE OF REINFORCING STEEL SHALL BE 50

UNLESS OTHERWISE SHOWN IN DETAILS, FURNISH #3 SPACER TIES AT 24" O.C. IN ALL FOOTINGS.

SEE PLUMBING AND ELECTRICAL DWGS FOR LOCATIONS OF PIPES AND SIMILAR OPENINGS.

LOCATE ANCHOR BOLTS MAXIMUM 1'- O" FROM CORNERS AND MAXIMUM 6'-O" O.C. FOR ONE STORY AND 4'-O" O.C. FOR TWO STORY BUILDINGS. MINIMUM OF 2 ANCHOR BOLTS PER WALL LENGTH. PROVIDE 1/2" DIA. x 7" EMBEDMENT. USE 2" X 2" X 3/16" PLATE WASHERS.

PROVIDE MIN 4" COMPACT DRAINAGE LAYER UNDER SLABS. COMPACTION TO BE MIN 95% PER ASTM DI557. MATERIAL TO BE WASHED #1 CRUSHED STONE (1/4" TO 3/4" ASTM C33 SIZE 67)OR BETTER.

501L5:

PREPARE EXCAVATIONS AND RECOMPACTIONS IN ACCORDANCE WITH THE SPECIFICATIONS.

FOOTING DESIGN BASED ON 2000 PSF SOIL BEARING VALUE.

WOOD:

ALL LUMBER TO BE SPF #2 OR BETTER.

USE PRESSURE TREATED LUMBER FOR SILL PLATES IN CONTACT WITH CONCRETE.

PROVIDE BRIDGING AT MAX 8'-0" O.C. BETWEEN JOISTS

TRUSSES TO BE MANUFACTURED BY CERTIFIED FABRICATOR. DEFLECTION=L/360. OTHER LOADS AS NOTED ABOVE

NAIL TYPE

SUBFLOOR GLUE SHALL CONFORM TO AMERICAN PLYWOOD ASSOCIATION SPECIFICATION CONTRACTOR TO ESTABLISH EROSION CONTROL PRIOR TO COMMENCING EARTHWORK, AND AFG-01. CONSTRUCTION PANEL FASTENING SHALL CONFORM TO AMERICAN PLYWOOD ASSOCIATION STANDARDS.

COMMON TOE-NAIL

COMMON-DIRECT

COMMON-DIRECT

NAILING SCHEDULE Building element

JOIST TO SILL OR GIRDER STUD TO SOLE PLATE TOP OR SOLE PLATE TO STUD DOUBLE STUDS CORNER STUDS SOLE PLATE TO JOIST OR BLOCK SOLE PLATE TO JOIST OR BLOCK AT BRACED WALL PANELS DOUBLE CAP PLATE cap plate laps min 24" RIM JOIST TO TOP PLATE Furring Strip, 6" or Less URRING STRIP, OVER 6" ROOF RAFTER TO PLATE ROOF RAFTER TO RIDGE JACK RAFTER TO HIP FLOOR JOISTS TO SILL OR BEAM COLLAR BEAM BRIDGING TO JOISTS HEADER BEAMS TO TRIMMERS SUBFLOOR SHEATHING (NAILED ONLY) SUBFLOOR SHEATHING

(GLUED AND NAILED SUBFLOOR SHEATHING (GLUED AND SCREWED) ROOF SHEATHING

ALL HEADERS TO BE 2-2x10'S UNLESS NOTED OTHERWISE.

ALL NON-BEARING PARTITIONS BELOW TRUSSES SHALL HAVE A NON-BEARING/NON-SHEAR 15 CONNECTION TO TRUSSES, SUCH AS SIMPSON STC.

ENERGY CONSERVATION CODE

MINIMUM R-VALUE OF COM	PONENTS SHALL BE AS FOLLOWS (CLIMATE ZONE 6):
EXTERIOR WALLS	R-20+3.8(C) OR R13+7.5(C)
ATTIC / CEILING	R-49
SLAB EDGE	R-10 TO 24" (R-15 TO 36" FOR HEATED SLAB)
FOUNDATION WALL	R-15(C) OR R-19(NC)
CRAWL SPACE	R-15(C) OR R-19(NC)
GLAZING	R-3.125 U-0.32
ENTRANCE DOORS	R-3.125
REFER TO DRAWINGS F	OR ACTUAL REQUIREMENTS SPECIFIED.

TYPE W

ALL JOINTS AND OPENINGS IN BUILDING ENVELOPE SYSTEM SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED, OR SEALED.

ELECTRIC HOT WATER HEATER SHALL HAVE MINIMUM EF > .93 -.00132V

TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THIS CODE.

DOOR AND FINISH HARDWARE NOTES:

NEW RESTROOMS SHALL BE PROVIDED WITH A 1" UNDERCUT OR STATIONARY LOUVER.

FOR ALL EXIT DOORS, PROVIDE:

- A. DOOR CLOSERS, SIZE ONE OPENING FORCE.
- B. INTERIOR LOCKSET, EXIT DEVICE OPERATION ALWAYS FREE. C. ILLUMINATED EXIT SIGN
- D. ACCESSIBLE THRESHOLD E. MIN 32" CLEAR EACH LEAF

THE LOCATION AND TYPE OF ALL FINISH HARDWARE SHALL BE IN ACCORDANCE WITH APPENDIX "A" TO 28 CFR PART 36. "STANDARDS FOR ACCESSIBLE DESIGN (AMERICANS WITH DISABILITIES ACT, TITLE III).

MECHANICAL NOTES:

PROVIDE MECHANICAL VENTILATION FOR BATHROOMS.

PIPING SYSTEMS SHALL BE TYPE L COPPER WITH LEAD-FRI

RUN PIPING NEATLY THROUGH PARTITIONS, FLOORS, AND CE INTEGRITY OF STRUCTURAL MEMBERS. PROTECT PIPING FRO PIPING IN ORDER TO AVOID OTHER TRADES. PROVIDE FOR E) USING EXPANSION JOINTS AND EXPANSION LOOPS. PROVIDE ALL HIGH POINTS WHERE AIR MAY COLLECT. VENTS SHALI

PRESSURE TEST MECHANICAL SYSTEM PIPING WITH MINIMU HOURS. TEST PASSES WHEN THERE IS NO CHANGE IN PRES TEMPERATURE CONDITIONS.

PIPING INSULATION SHALL BE 1/2" THICK "ARMA-FLEX" INSUL FIBERGLASS WITH VAPOR BARRIER JACKET AND PREFORME

GAS APPLIANCES SHALL HAVE B-VENT CHIMNEYS INSTALLE APPLICABLE UTILITIES REGULATIONS.

GAS PIPING SHALL BE RUN IN ACCESSIBLE AREAS.

ALL GAS PIPING SHALL BE AIR TESTED IN ACCORDANCE WITH REGULATIONS.

FILL THE ENTIRE HEATING SYSTEM WITH SOS-NONTOXIC ANT OR EQUAL CAPABLE OF WITHSTANDING -20 DEGREES FAHR

DUCTWORK SHALL BE GALVANIZED STEEL AS FOLLOWS: UP 18" USE 24 GA, OVER 18" USE 24 GA WITH 1" x 1" x 1/8" STEE REINFORCEMENT ON MINIMUM 5' CENTERS. JOINTS MAY BE SEAM WITH 1" MINIMUM HEIGHT. CROSS BREAK ALL SIDES 12 PROVIDE GALVANIZED STEEL STRAP HANGERS 1" WIDE NOT NOT MORE THAN 4 FEET ON CENTER AND FROM ANY TURN OF

ALL BRANCH DUCTS TO HAVE TAKE-OFFS EQUIPPED WITH MA TO BALANCE AIR SYSTEM UPON COMPLETION.

FLEX DUCT MAY BE USED. AVOID KINKING OR SAGGING. LEN 6 FFF1

PROPER COMBUSTION AIR SHALL BE PROVIDED FOR ALL FUEL PROVIDE 1 SQUARE INCH FOR EACH 3000 BTUH OF INPUT IN / LIBERTY UTILITIES AND ASHRAE STANDARDS.

ALL THERMOSTATS SHALL BE PROGRAMMABLE TYPE.

PROVIDE BALL VALVES TO ISOLATE ALL EQUIPMENT AS NECES

PROVIDE BACKFLOW PREVENTERS AT ALL EQUIPMENT FEED W CONNECTIONS TO AVOID CROSS CONTAMINATION INTO POTAB

INSULATE ALL DUCTWORK WITH 1" MINIMUM DUCT WRAP INSUL BARRIER. INSTALL IN ACCORDANCE WITH MANUFACTURERS WITH A STATIC PRESSURE OF 2" OR LESS SHALL BE SECUREL WITH WELDS, GASKETS, MASTICS, MASTIC/FABRIC, OR TAPES

ISOLATE DUCTWORK FROM MECHANICAL EQUIPMENT AND FAI CONNECTIONS AND VIBRATION ISOLATORS AS REQUIRED.

MOUNT ALL MECHANICAL EQUIPMENT ON 3" THICK CONCRETE

STRICTLY MAINTAIN ALL SERVICE ACCESS CLEARANCES REQ DURING FINAL PLACEMENT OF ALL EQUIPMENT.

ELECTRICAL NOTES:

ELECTRICAL INSTALLATION SHALL COMPLY WITH REQUIREMEN EDITION. (REFER TO FOR DETAILS).

ALL NEW WIRING SHALL BE METAL RACEWAY OR METAL CLAD

ALL BRANCH WIRING MAY BE NON-METALLIC SHEATHED CAB

EMERGENCY LIGHTING SHALL BE INSTALLED IN ACCORDANCE

ELECTRICAL - MOUNTING HEIGHTS:

RECEPTACLES LIGHT SWITCH GFI OUTLETS IN BATHROOMS 40" TO CENTER LINE. ON S EXTERIOR GFI RECEPTACLES 24" TO CENTER LINE, ABO THERMOSTATS



COMMON-DIRECT COMMON-DIRECT 2-8D EACH END 1-16D EA & SF FLOOR AREA COMMON-END COMMON-DIRECT 6D 6" OC EXTERIOR EDGES 6D 12" OC INTERMEDIATE DEFORMED SHANI 6D 6" OC EXTERIOR EDGES 6D 10" OC INTERMEDIATE DEFORMED SHANK 6D 12" OC EXTERIOR EDGES 6D 12" OC INTERMEDIATE 12" OC EXTERIOR EDGES 12" OC INTERMEDIATE COMMON-DIRECT 6D 6" OC EXTERIOR EDGES 6D 12" OC INTERMEDIATE

COMMON FACE-NAIL 3-16D 16" 00 COMMON FACE-NAIL 10D 24" OC COMMON FACE-NAIL 8-16D COMMON TOE-NAIL 8D 6" OC 2-10D EACH BEARING **3-10D EACH BEARING** COMMON-TOE-NAIL 3-16D COMMON-TOE-NAIL 2-16D COMMON-TOE-NAIL 3-10D COMMON-TOE-NAIL 2-16D OR AS DETAILED 4-10D

3-8D

COMMON TOE-NAIL 3-8D OR 2-16D

COMMON END-NAIL 2-16D

COMMON FACE-NAIL 10D 24" OC

COMMON FACE-NAIL 10D 24" OC COMMON FACE-NAIL 16D 16" OC

NUMBER AND DISTRIBUTION

	ALL UNDERGROUND OR OVERHEAD SERVICES SHALL COMPLY WITH LOCAL UTILITY COMPANY REGULATIONS.	E E E E E E E E E E E E E E E E E E E
e solder joints or pex.	7 INSTALL GROUND RODS AT SERVICE IN ACCORDANCE WITH UTILITY COMPANY REGULATIONS.	
ILINGS AND MAINTAIN OM FREEZING. RUN PANSION OF PIPING BY MANUAL AIR VENTS AT	8 INSTALL GROUND FAULT INTERRUPTING (GFI) TYPE RECEPTACLES IN BATHROOMS, KITCHENS, AND WHERE WITHIN SIX FEET OF ANY SINK. EXTERIOR INSTALLED RECEPTACLES SHALL BE WEATHERPROOF AND GFI PROTECTED.	
M 60 PSI AIR FOR 24 SURE UNDER STABLE	INSTALL COMBINATION TYPE ARC-FAULT AFCI BREAKERS ON ALL OUTLET CIRCUITS (EXCEPT BATHROOMS) AND INSTALL TAMPER-RESISTANT RECEPTACLES (TR) IN ALL OUTLETS.	SC SC SC SC SC SC SC SC SC SC SC SC SC S
ation or 1" Thick D PVC Elbows and Fittings.	FURNISH OWNER WITH COPY OF FINAL INSPECTION CERTIFICATE FROM A QUALIFIED NEW YORK ELECTRICAL INSPECTION AGENCY UPON SATISFACTORY INSPECTION OF ALL ELECTRICAL INSTALLATIONS.	
D IN ACCORDANCE WITH	PLUMBING NOTES:	
	THE INSTALLATION AND TYPE OF PLUMBING FIXTURES AND RESTROOMS ACCESSORIES FOR HANDICAPPED USE SHALL COMPLY WITH ANSI A117.1 "ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES," AND APPENDIX "A" TO 28 CFR PART 36, "STANDARDS FOR ACCESSIBLE DESIGN" (AMERICANS WITH DISABILITIES ACT, TITLE III), LATEST EDITIONS.	ARAMA A ARAMA A A A
1 APPLICABLE	2 NEW RULLIRING ENTIRES AND ENTINGS SUALL RE WATER SAVING TYRES WHICH COMPLY	ENER
FREEZE/WATER SOLUTION ENHEIT WITHOUT FREEZING.	WITH THE REQUIREMENTS OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW. 3 NEW SANITARY AND VENTING PIPING WITHIN BUILDINGS MAY BE SCHEDULE 40 DWY	
0 12" USE 26 GA, UP TO	PVC. MINIMUM SLOPE = 1/8" PER FOOT.	+
ANGLE DRIVE SLIP OR STANDING 2" AND LARGER. ESS THAN 16 GA SPACED 2 BRANCH	4 NEW WATER SUPPLY PIPING WITHIN BUILDING SHALL BE TYPE L COPPER WITH LEAD-FREE SOLDER JOINTS. 5	
NUAL BALANCING DAMPERS	CONCEAL ALL DWY AND DOMESTIC WATER SUPPLY PIPING. RUN THROUGH FLOORS, WALLS, AND CEILINGS, AND MAINTAIN INTEGRITY OF STRUCTURAL MEMBERS. PROTECT PIPING FROM FREEZING.	
IGTHS SHALL NOT EXCEED	6 PROVIDE FOR PROPER SYSTEM VENTING, WITH MINIMUM ONE 3" DIA VENT EXTENDING THROUGH THE ROOF.	
L BURNING APPLIANCES.	INSULATE ALL DOMESTIC WATER PIPING PER SPECIFICATIONS.	Drawn DCW
Accordance with	8 Allow for adequate PIPE Expansion by Using Expansion Fittings or Expansion Loops.	Checked BW Date 04 JAN 22
	9 All Hoge Bibbs Shall be frost-free type with integral vacuum breakers.	Δ
SSARY. MTH WATER LINE	IO ALL SYSTEM PIPING SHALL BE PRESSURE TESTED WITH 60 PSI AIR FOR 24 HOURS. SATISFACTORY TEST IS WHEN THERE IS NO CHANGE IN PRESSURE THROUGH STABLE TEMPERATURE CONDITIONS.	Z:\StLawrenceCounty-Highway Dept - Potedam 21933D\Drawinge\21933D_11
LATION WITH VAPOR	11 INSTALL WATER-HAMMER ARRESTORS AT ENDS OF ALL BRANCH PIPING TO PREVENT HAMMERING.	
LY FASTENED AND SEALED 3.	12 PROVIDE FOR PROPER TRAP EVAPORATION PROTECTION FOR ALL FLOOR DRAINS.	5
NS WITH FLEXIBLE	13 INSTALL BACKFLOW PREVENTERS AT ALL MECHANICAL EQUIPMENT FEED WATER CONNECTIONS WITH CLOSED LOOPS TO PREVENT CROSS-CONTAMINATION.	
Housekeeping pads.	14 INSTALL CHROME PLATED BRASS FLEXIBLE SUPPLIES, VALVES, AND ESCUTCHEON PLATES AT ALL PLUMBING FIXTURES.	BUILD BUILD
UIRED BY MANUFACTURER	15 All water heaters shall be equipped with properly sized pressure-temperature relief valves piped to floor drains or approved indirect waste.	AGE A
nts of n.e.c., latest	16 HOT WATER PIPING SYSTEMS SHALL HAVE POTABLE WATER EXPANSION TANKS IF CHECK VALVES OR BACKFLOW PREVENTERS EXIST IN SYSTEM ALLOW FOR EXPANSION AND PREVENT PRESSURE BUILD-UP.	STOR.
Э.	17 PROPERLY SUPPORT ALL PIPING WITH APPROVED HANGERS SPACED NO GREATER THAN 8 FEET ON CENTER. SEE SPECIFICATIONS FOR HANGER SPACING FOR PIPE SIZE AN MATERIAL.	ALT SURVER
dle (NMC) minimum size 12	18 UNLESS OTHERWISE NOTED, ALL WALL FRAMING BEHIND WATER CLOSETS SHALL BE 2" X 6" CONSTRUCTION TO ALLOW FOR PIPING ROUGH-INS.	い
e with NFPA requirements.	19 MINIMUM SEPARATION BETWEEN WATER MAIN AND SEWER MAIN SHALL BE 18 INCHES VERTICALLY MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. MINIMUM HORIZONTAL SEPARATION SHALL BE 10 FEET.	TITLE/NOTES
DIDE, CLEAR OF SINK VE INTERIOR FIN FLR	20 STORM SEWER PIPE SHALL BE HIGH DENSITY POLYETHYLENE CORRUGATED PLASTIC PIPE, SMOOTH INTERIOR (CPP SI) OR AS NOTED.	T1
		Sheet 1 of 40

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SCALE: 1" = 100'

 Sheet
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 of
 40

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 21933D















M COMPONENT	WELL OR SUCTION LINE	STREAM, LAKE, WATERCOURSE OR WETLAND		PROPERTY LINE	DRAINAGE DITCH
CTANK	50'	50'	10'	10'	10'
ENT LINE TO	50 '	50'	1 <i>0</i> °	1 <i>0</i> °	1 0'
BUTION BOX	100'	100'	20'	10'	20'
RPTION FIELD	100'	100'	20'	10'	20'































ROOM No.	ROOM NAME	FLOOR	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING TYPE
101	ENTRY	ECC-1	RB-1	PGB-1	PGB-1	PGB-1	PGB-1	PGB-1
102	GARAGE	SCON-1	-	PGB-2/MLP-1	PGB-2/MLP-1	PGB-2/MLP-1	PGB-2/MLP-1	PGB-2
103	OFFICE	ECC-1	RB-1	PGB-1	PGB-1	PGB-1	PGB-1	PGB-1
104	BREAK ROOM	ECC-1	RB-1	PGB-1	PGB-1	PGB-1	PGB-1	PGB-1
105	HALLWAY	ECC-1	RB-1	PGB-1	PGB-1	PGB-1	PGB-1	PGB-1
106	UNISEX H/C BATHROOM	ECC-1	RB-1	PGB-1	PGB-1	PGB-1	PGB-1	PGB-1
107	UNISEX BATHROOM	ECC-1	RB-1	PGB-1	PGB-1	PGB-1	PGB-1	PGB-1
108	UNISEX LOCKER ROOM	ECC-1	RB-1	PGB-1	PGB-1	PGB-1	PGB-1	PGB-1
109	MECH. / ELEC. ROOM	SCON-1	RB-1	PGB-1	PGB-1	PGB-1	PGB-1	-
201	MEZZANINE	ECP-1	RB-1	PGB-2	PGB-2	PGB-2	PGB-2	PGB-2
202	MECHANICAL ROOM	ECP-1	RB-1	PGB-1	PGB-1	PGB-1	PGB-1	PGB-1

AND DRAWERS ES SHOWN ECP ECP ECP ECP ECP ECP ECP ECP	P. BUAKD		1. ROLLER APPLIED EPOXY COATING - COLOR TO BE SELECTED
 HM HOLLOW METAL FRAMES PAINTED INTERIOR FRAMES PAINTED INTERIOR FRAMES COLOR: TO BE SLECTED HMD HOLLOW METAL DOORS FACTORY FINISHED - POWDER COAT COLOR: TO BE SLECTED MLP METAL "LINER" PANELS IDEAL ROOFING - COLONIAL SIDING (0 WITH HEAD AND BASE FLASHING FACTORY FINISHED - PERSPECTRAVEE PGB PAINTED GYPSUM BOARD EGGSHEEL SHEEN COLOR: TO BE SLECTED PGB PAINTED GYPSUM BOARD EGGSHEEL SHEEN COLOR: TO BE SLECTED PLAM PLASTIC LAMINATE CABINETS & COUNTERS RUBBER BASE A" WALL BASE COLOR: TO BE SLECTED PGD CONCRETE ATWALL BASE COLOR: TO BE SLECTED 	AND DRAWERS ES SHOWN	ECP	EPOXY COATED PLYWD. 1. ROLLER APPLIED EPOXY COATING - COLOR TO BE SELECTED
COLOR: TO BE SLECTED HMD HOLLOW METAL DOORS 1. FACTORY FINISHED - POWDER COAT COLOR: TO BE SLECTED MLP METAL "LINER" PANELS 1. IDEAL ROOFING - COLONIAL SIDING (O. WITH HEAD AND BASE FLASHING FACTORY FINISHED - PERSPECTRAWE PGB PAINTED GYPSUM BOARD 1. EGGSHEEL SHEEN COLOR: TO BE SLECTED 2. POLYURETHANE PAINT - SATIN FINISH COLOR: TO BE SLECTED PLAM PLASTIC LAMINATE CABINETS & COUNTER: 1. ROLLED EDGE ON ALLCOUNTERS W/ IN COLOR: TO BE SLECTED RB RUBBER BASE 1. 4" WALL BASE COLOR: TO BE SLECTED SCON. SEALED CONCRETE 1. LAPIDOLITH SEALER SCWD SOLID CORE WOOD DOOR 1. FLUGH PLAIN SLICED RED OAK DOORS CLEAR FINISH		НМ	HOLLOW METAL FRAMES 1. PAINTED INTERIOR FRAMES COLOR: TO BE SLECTED 2. FACTORY FINISHED EXTERIOR FRAMES
MLP METAL "LINER" PANELS 1 IDEAL ROOFING - COLONIAL SIDING (O. WITH HEAD AND BASE FLASHING FACTORY FINISHED - PERSPECTRAWE PGB PAINTED GYPSUM BOARD 1. EGG6HEEL SHEEN COLOR: TO BE SLECTED 2. PLAM PLASTIC LAMINATE CABINETS & COUNTER: 1. ROLLED EDGE ON ALLCOUNTERS W/ IN COLOR: TO BE SLECTED RB RUBBER BASE 1. LAPIDOLITH SEALER SCON. SEALED CONCRETE 1. LAPIDOLITH SEALER SCWD SOLID CORE WOOD DOOR 1. FLUSH PLAIN SLICED RED OAK DOORS CLEAR FINISH CLEAR FINISH		HMD	COLOR: TO BE SLECTED HOLLOW METAL DOORS 1. FACTORY FINISHED - POWDER COAT COLOR: TO BE SLECTED
PGB PAINTED GYPSUM BOARD 1. EGGGHEEL SHEEN COLOR: TO BE SLECTED 2. POLYURETHANE PAINT - SATIN FINISH COLOR: TO BE SLECTED PLAM PLASTIC LAMINATE CABINETS & COUNTER: 1. ROLLED EDGE ON ALLCOUNTERS W/ IN COLOR: TO BE SLECTED RB RUBBER BASE 1. 4" WALL BASE COLOR: TO BE SLECTED SCON. SEALED CONCRETE 1. LAPIDOLITH SEALER SCWD SOLID CORE WOOD DOOR 1. FLUSH PLAIN SLICED RED OAK DOORS CLEAR FINISH		MLP	METAL "LINER" PANELS 1. IDEAL ROOFING - COLONIAL SIDING (O. WITH HEAD AND BASE FLASHING FACTORY FINISHED - PERSPECTRA/WE
PLAM PLASTIC LAMINATE CABINETS & COUNTER: 1. ROLLED EDGE ON ALLCOUNTERS W/ IN COLOR: TO BE SLECTED RB RUBBER BASE 1. 4" WALL BASE COLOR: TO BE SLECTED SCON. SEALED CONCRETE 1. LAPIDOLITH SEALER SCWD SOLID CORE WOOD DOOR 1. FLUSH PLAIN SLICED RED OAK DOORS CLEAR FINISH		PGB	PAINTED GYPSUM BOARD 1. EGGSHEEL SHEEN COLOR: TO BE SLECTED 2. POLYURETHANE PAINT - SATIN FINISH COLOR: TO BE SLECTED
RB RUBBER BASE 1. 4" WALL BASE COLOR: TO BE SLECTED SCON. SEALED CONCRETE 1. LAPIDOLITH SEALER SCWD SOLID CORE WOOD DOOR 1. FLUSH PLAIN SLICED RED OAK DOORS CLEAR FINISH		PLAM	PLASTIC LAMINATE CABINETS & COUNTERT 1. ROLLED EDGE ON ALLCOUNTERS W/ IN COLOR: TO BE SLECTED
SCON. SEALED CONCRETE 1. LAPIDOLITH SEALER SCWD SOLID CORE WOOD DOOR 1. FLUSH PLAIN SLICED RED OAK DOORS CLEAR FINISH		RB	RUBBER BASE 1. 4" WALL BASE COLOR: TO BE SLECTED
SCWD SOLID CORE WOOD DOOR 1. FLUSH PLAIN SLICED RED OAK DOORS CLEAR FINISH		SCON.	SEALED CONCRETE 1. LAPIDOLITH SEALER
		SCWD	SOLID CORE WOOD DOOR 1. FLUSH PLAIN SLICED RED OAK DOORS CLEAR FINISH

ECC

COLOR AND MATERIAL SCHEDULE: EPOXY COATED CONCRETE

- ALL FLOOR FINISHES EXTEND UNDER DESK, COUNTERS, SHELVES DOTTED/DASHED ON PLAN FOR REFERENCE ONLY. 3.)
- ALL WALLS NOT OTHERWISE INDICATED ARE TO BE PAINTED GYP. BOARD 1.) 2.) PROVIDE 4" "C-PULLS", US26D FINISH, ON ALL CABINET DOORS A

FINISH NOTES:



AMES - POWDER COAT

(0.375" PROFILE IN 28 GAUGE)

A/WEATHER-X SERIES - COLOR TO BE SELECTED

ISH

NTERTOPS W/ INTERGAL BACKSPLASH

16 52

TYPICAL ENTRY DOOR JAMB DETAIL SCALE: 3" = 1'-0"

(HEAD DETAIL SIMILAR)

н.	STRUCTURAL SLABS	
т	TOPPINGS ON METAL	Ы

POUNDS. ROLLERS OR LOW-GRADE EQUIPMENT SHALL NOT BE USED FOR PROOF ROLLING. ANY AREAS NOTED TO WEAVE OR DEFLECT SHALL BE EXCAVATED TO STABLE MATERIAL AND REPLACED WITH COMPACTED STRUCTURAL FILL.

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	3/4" Ø STAINLESS STEEL ANCHOR- BOLT @ 4'-0" O.C. AND WITHIN 12" OF CORNERS.		
-4" CONCRETE SLAB ON GRADE W/ 6x6-W1.4xW1.4 WWF	MIN 10" EMBEDMENT	/-4" CONCRETE SLAB ON GRADE W/ 6x6-W1.4xW1.4 WWF	
F.F. = 0.00 F.F. = 0.00 B" MINIMUM NO. 2 CRUSHED STONE COMPACTED STRUCTURAL FILL #5 @ 16" O.C. (VERTICAL) #5 @ 16" O.C. (HORIZONTAL) (3) #5 BAR CONTINUOUS #5 @ 12" O.C. T.O.F. = -4.00 1'-0" B.O.F. = -5.00	(2) HORIZONTAL BARS (2) HORIZONTAL BARS IN TOP 6" OF WALL 4'-O" MIN. COMPACTED ON SITE BACKFILL SHEAR KEY 3'-O"	F.F. = 0.00 F.F.	SEE ARCHITECTU #5 DOWELS 18 COMPACTED
ION 3" SAW CUT WITHIN 24 HOURS	3 SECTION S-5 3/4"=1'-0" EXTEND HORIZONTAL WALL REINFORCING THROUGH PIER	<u>N</u>	
CONCRETE PLACEMENT. FILL WITH ETHANE SEALANT.	PIER VERTICAL BARS, (6) #6 BARS SHOWN #3 TIES 16" TYPICAL PIER REI N.T.S.	NFORCING	
RACED TRUSS HROUGH BOLT, TYP. OF 4 PT PLATE STRDNG-TIE 3/4*Ø TITEN HD HEAVY DUTY ANCHOR MODEL NO. THD75100HMG, F 2 EACH SIDE OF BRACED TRUSS	BRACED TRUSS 1/2"Ø THROUGH BOLT, TYP. OF 4 PT PLATE SCREW ANCHOR MODEL NO. THO75100HMG, TYP. OF 2 EACH SIDE OF BRACED TRUSS	$ \frac{312^{''}}{510^{''}} + \frac{1}{3^{''}} $ $ \frac{312^{''}}{510^{''}} + \frac{1}{3^{''}} $ $ \frac{312^{''}}{510^{''}} + \frac{312^{''}}{3^{''}} $ $ \frac{7^{''}}{710^{''}} + \frac{710^{''}}{100^{''}} + \frac{710^{''}}{100^{''}} $ $ \frac{7^{''}}{100^{''}} + \frac{710^{''}}{100^{''}} + \frac{710^{''}}{100^{''}} + \frac{710^{''}}{100^{''}} $ $ \frac{7^{''}}{100^{''}} + \frac{710^{''}}{100^{''}} + \frac{710^{''}}{100^{''}} + \frac{710^{''}}{100^{''}} $ $ \frac{7^{''}}{100^{''}} + \frac{710^{''}}{100^{''}} + \frac{710^{'''}}{100^{''}} + \frac{710^{''''}}{100^{'''}} + \frac{710^{''''}}{100^{''''}} + 710^{''''''''''''''''''''''''''''''''''''$	3 1/2" 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
AL BRACED TRUSS CONNECTION	DATE BY DESCRIPTION SHEET CCS- 1	3 $\frac{4'}{12''}$ $\frac{1}{12''}$ $\frac{1}{12''}$ $\frac{1}{12''}$ $\frac{1}{12''}$ $\frac{1}{12''}$ $\frac{1}{12''}$ $\frac{1}{12''}$	и х энцо-э .: 200 бт. LAW. Cry. Бакт ВАГ2N

				RA	DIANT FL	.00R SC	HEDULE			
MANIFOLD	LOOP	* BTUH/FT. 2	LOOP LENGTH (FT.)	SPACING (IN.)	FLOW (GPM.)	HEAD (FT.)	WATTS RADIANT ACTUATOR NO P7656104	ZONE/SENSOR	REMARKS	
1a	1	20.9	320	12	1.0	4.8	NO	Z1	SLAB APPLICATION - 5/8" PEX	(93' F)
1a	2	20.9	320	12	1.0	4.8	NO			
1a	3	20.9	320	12	1.0	4.8	NO			
1a	4	20.9	320	12	1.0	4.8	NO			
1a	5	20.9	320	12	1.0	4.8	NO			
1a	6	20.9	320	12	1.0	4.8	NO			
1a	7	20.9	320	12	1.0	4.8	NO			
1a	8	20.9	320	12	1.0	4.8	NO			
1a	9	20.9	320	12	1.0	4.8	NO			
1a	11	20.9	320	12	1.0	4.8	NO			
1a	12	20.9	320	12	1.0	4.8	NO	V	V	
1b	1	20.9	320	12	1.0	4.8	NO	Z1	SLAB APPLICATION - 5/8" PEX	(93' F)
16	2	20.9	320	12	1.0	4.8	NO			
16	3	20.9	320	12	1.0	4.8	NO			
16	4	20.9	320	12	1.0	4.8	NO			
16	5	20.9	320	12	1.0	4.8	NO			
1b	6	20.9	320	12	1.0	4.8	NO			
16	7	20.9	320	12	1.0	4.8	NO			
1b	8	20.9	320	12	1.0	4.8	NO			
1b	9	20.9	320	12	1.0	4.8	NO			
1b	11	20.9	320	12	1.0	4.8	NO			
16	12	20.9	320	12	1.0	4.8	NO	V	V	
2a	1	10.8	135	12	.27	0.8	NO	Z2	SLAB APPLICATION - 1/2" PEX	(106° F)
2a	2	18.1	100	12	.22	0.6	NO			`
2a	3	16.2	125	12	.23	0.7	NO	V	V	
2b	1	21.75	130	12	.45	1.5	NO	Z2.	SLAB APPLICATION - 1/2" PEX	(106° F)
2b	2	25.39	100	12	.24	1.0	NO			
26	3	10.8	235	12	.45	2.7	NO	V V	V	

PUMP SCHEDULE								
SYMBOI	GERVICE	(GPN)	TDH (FT.)	TACO		MOTOR		PELLAPKG
JINDOL	JENTICE		WATER	MODEL NO.	VOLTAGE	HP	PHASE	KEMAKNO
BP-1	BOILER #1 PUMP	38.0	8.0'	0012	120	1/8	1	CONTROL THRU BOILER CONTACTS & EXTERNAL CONTROL RELAY
BP-2	BOILER #2 PUMP	38.0	8.0'	0012	120	1/8	1	CONTROL THRU BOILER CONTACTS & EXTERNAL CONTROL RELAY
P1	GARAGE UNIT HEATERS LOOP	60.0	16.0°	2400-70-3P	120	1/2	1	CONTROL THRU THERMOSTAT 2ND STAGE/ RELAY
P2	ZONE #1 RADIANT PANEL	24.0	25.0°	2400-45-3P	120	1/3	1	CONTROL THRU THERMOSTAT 1ST STAGE/ RELAY
P3	ZONE #2 RADIANT PANEL	3.3	16.0°	0014	120	1/8	1	CONTROL THRU THERMOSTAT/ RELAY
P4	VENTILATION REHEAT COIL LOOP	3.0	8.0°	008	120	1/25	1	CONTROL THRU OUTDOOR THERMOSTAT/RELAY
INJ-1	INJECTION PUMP #1	3.4	2.0°	007	120	1/25	1	CONTROL THRU TEKMAR MIX CONTROL VARIABLE SPEED OUTPUT
INJ-2	INJECTION PUMP #2	1.5	2.0	007	120	1/25	1	CONTROL THRU TEKMAR MIX CONTROL VARIABLE SPEED OUTPUT

NOTE: LISTED TACO PUMPS MAY BE SUBSTITUTED WITH AN APPROVED EQUIVELANT MANUFACTURER.

CONSTRUCTION JOINT (SEE FOUNDATION PLAN FOR LOCATION)

* AVERAGE BTUH/FT. FOR RADAINT PANEL.

CONCRETE FLOOR BY GC TUBING BY HVAC - WIRE MESH BY GC (HOLD BACK 6" EA. WAY OF JOINT) LOTEL 2" MESH-UPS (1 PER 2 SF) OR EQUAL BY <u>HERCULES</u> OR <u>GRIP-RITE</u> FURNISHED BY GC (1 1/2" HIGH FOR 4" SLAB, 2" IN 6" SLAB) (2) LAYERS 6 MIL. POLY BY GC 2" RIGID INSULATION (R10) BY GC

	REMARKS
) BY HVAC, SEE DETAIL 16/H4	SWITCH & POWER SUPPLY BY E.C./ RED EMERGENCY BURNER SWITCH AT DOOR BY EC
) BY HVAC, SEE DETAIL 16/H4	SWITCH & POWER SUPPLY BY E.C./ RED EMERGENCY BURNER SWITCH AT DOOR BY EC
) BY HVAC, SEE DETAIL 16/H4	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C. P&S #20AC2-HP/20 AMP 2 POLE
) BY HVAC, SEE DETAIL 16/H4	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C. P&S #20AC2-HP/20 AMP 2 POLE
) BY HVAC, SEE DETAIL 16/H4	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C. P&S #20AC2-HP/20 AMP 2 POLE
BY HVAC. SEE DETAIL 16/H4	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C.
) BY HVAC, SEE DETAIL 16/H4	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C. PASE #20AC2+HP/20 AMP 2 POLE
) BY HVAC. SEE DETAIL 16/H4	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C.
) BY HVAC, SEE DETAIL 16/H4	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C. PRS #20AC2-HP/20 AMP 2 POLE
) BY HVAC, SEE DETAIL 16/H4	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C. PAS #20AC2-HP/20 AMP 2 POLE
<u> </u>	POWER SUPPLY BY EC/ DUPLEX RECEPTACLE
BY HVAC, SEE DETAIL 16/H5	DISC. SWITCH CUTLER-HAMMER #DHI11UGB, SWITCH & POWER SUPPLY BY E C.
BY HVAC, SEE DETAIL 16/H4	POWER SUPPLY BY EC
BY HVAC, SEE DETAIL 16/H4	POWER SUPPLY BY EC
BY HVAC, SEE DETAIL 16/H4	POWER SUPPLY BY EC
FURNISHED BY HVAC	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C. P&S #20AC2-HP/20 AMP 2 POLE
FURNISHED BY HVAC	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C. PAS #20AC2-HP/20 AMP 2 POLE
FURNISHED BY HVAC	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C. P&S #20AC2-HP/20 AMP 2 POLE
FURNISHED BY HVAC	MANUAL SWITCH IN SURFACE BOX/SWITCH & POWER SUPPLY BY E.C. P&S #20AC2-HP/20 AMP 2 POLE
BY HVAC, SEE DETAIL 15/H5	POWER SUPPLY AND MAG. MOTOR STARTER: C.H. #ECN1602AC400GK3A OR EQUAL
BY HVAC, SEE DETAIL 15/H5	POWER SUPPLY AND MAG. MOTOR STARTER: C.H. #ECN1602AC400GK3A OR EQUAL
BY HVAC, SEE DETAIL 15/H5	(2) POWER SUPPLIES BY E.C.
BY HVAC, SEE DETAIL 5/H5	POWER SUPPLY BY EC
	DISC. SWITCH: <u>C.H.</u> #DH2221UGB OR EQUAL
T. MANUAL SWITCH FURNISHED BY OWNER	EC TO PROVIDE 120 VOLT POWER SUPPLY. CONDUIT SEAL-OFFS FOR CLASS 1 LOCATION REQUIRED.
BY PC, SEE DETAIL 12/P2-2	WELL CABLE FURNISHED BY PC, EC TO WIRE IN WELL CASE. (RUSSELL AND LISBON ONLY)
BY HVAC	DISC SWITCH C.H. # DG221URB, USE SEAL-TIGHT OUTDOORS
BY HVAC	POWER SUPPLY BY EC
BY HVAC	POWER SUPPLY BY EC
FURNISHED BY PC, SEE DETAIL 2/P2-2	POWER SUPPLY BY EC
NEL FURNISHED BY PC. SEE DETAIL 4/C3	EC TO PROVIDE WIRING TO ALARM PANEL & CONDUIT/ BOX FOR FLOAT LEEDS (PLIGGET LAND LIGBON ONLY)

of 40

ELECTRICAL LEGEND:

	POWER PANEL
C	2 LIGHT FIXTURE, SEE SCH
\$	SINGLE POLE SWITCH (1
¥5	3-WAY SWITCH (120 V. ,
act ^{\$} 0	0-10 VOLT DIMMING WIT
acc \$	120 VOLT OCCUPANCY S
00	0-10 VOLT CEILING OCC
R	0-10 VOLT RELAY PACK

HEDULE

(120 V., 20 AMP)

20 AMP)

ITH MOTION DETECTION AND LIGHT DETECTION

SWITCH ONLY

CUPANCY SENSOR

ELECTRICAL NOTES: ALL WIRING FOR LIGHTS & RECEPTACLES

- SHALL BE MC. USE EMT WHERE EXPOSED IN GARAGE AND MECH. RMS. AND PVC UNDERGROUND.
- 2. ELECTRICAL INSTALLATION SHALL COMPLY WITH REQUIREMENTS OF N.E.C. LATEST EDITION.
- 3. ELECTRICAL MOUNTING HEIGHTS: - RECEPTACLES 20 AMP 18" TO UNLESS NOTED <u>P&S</u> #5362-LA (ALMOND) OR EQUAL
- LIGHT SWITCHES 20 AMP 48" TO [] <u>P&S</u> #20ACI-LA OR EQUAL. 3 WAY #20AC3LA OR EQUAL.
- LIGHT SWITCHES 0-10 Y (OCCUPANCY/ DIMMING/ LD) 48" TO 🗆 <u>LUTRON</u> #MS-Z101-LA OR EQUAL. (LT. ALMOND)
- OCCUPANCY SWITCHES 120 V (OCCUPANCY/ VACANCY) 48" TO 🗆 LUTRON #MS-B102-LÀ OR EQUAL. (LT. ALMOND)
- GFI OUTLETS IN BATHROOM 20 AMP 44" TO [] ON SIDE, CLEAR OF SINK, <u>P&S</u> #2095-LA (ALMOND) OR EQUAL, W/ALMOND THERMOPLASTIC COVERS W/DIE-CAST # CA8-BRY COVERS EXTERIOR AND IN GARAGE AREA. - THERMOSTATS 48" TO 🛛 - VOICE/DATA/NETWORK PRINTER JACKS 18" TO UNLESS NOTED OTHERWISE CIRCUITS.
- WIRING SEPERATELY. SOLID LINES INDICATE POWER CIRCUIT
- GROUPS ON LIGHTING PLAN.

- ΕX
- EM

PLUMBING FIXTURE SCHEDULE

<u>Note:</u> New Drilled Well by PC: Provide Price Allowance in Bid for New 180 ft. Drilled 6" Well with casing to bedrock and grouted. YIELD = 10 GPM MINIMUM. DEPTH TO PUMP: - 170 FEET DEPTH OF WELL: - 180 FT.

_____\/

<u>T. O. WALL</u> ELE: +8'-0"

<u>T. O. PAVING</u> ELE: +0'-0"

TYPICAL FOOTING ASSEMBLY - SEE SHEETS 5100 & 5101

T. O. FOOTING ELE: -4'-O" B. O. FOOTING ELE: -5'-4"

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Project No **21933D**

CAST-IN-PLACE CONCRETE NOTES:

- 1. CONCRETE WORK SHALL CONFORM 318-2010/318R-2010)".
- CONCRETE SHALL BE CONTROLLED 2. TESTING AGENCY.
- CONCRETE QUALITY IN ACCORDAN з. ESSENTIAL TO THE STRUCTURAL
- THE DRAWINGS AND SPECIFICAT CONCRETE EXPOSED TO WEATHER 4.
- AIR. 5. NORMAL WEIGHT CONCRETE SHALL
- 6. CONCRETE MINIMUM 28-DAY STRE
- A. FOOTINGS, PIERS, FOUNDA B. SLABS ON GRADE & STRUCT C. TOPPING SLABS ON METAL
- 7. ALL CONCRETE SHALL BE MOIST
- REINFORCING STEEL SHALL CONF 8. MINIMUM OF 40 DIAMETERS, UNL
- PROVIDE A MINIMUM OF #4 BARS 9. UNLESS NOTED OTHERWISE.
- MANUAL 2004".

I TO "BUILDING CODE REQUIREMEN	ITS FOR STRUCTURAL CONCRETE (ACI	12.	CLEAR CONCRETE COVER FOR REINFORCING BARS OR WELDE UNLESS NOTED: A. FOOTINGS	ED WIRE FABRIC SHALL CONFORM 1 3"
ED, PROPORTIONED, MIXED, AND F	PLACED IN THE PRESENCE OF THE APPROVED		B. FOUNDATION WALLS	1-1/2"
ANCE WITH THE REQUIREMENTS OF PERFORMANCE OF THE BUILDING.	TE REQUIREMENTS OF THESE DRAWINGS AND SPECIFICATIONS IS 15.		SET AND TIE ALL REINFORCING STEEL BEFORE PLACING (INTO WET CONCRETE IS PROHIBITED.	CONCRETE. SETTING DOWELS AND
SHALL CONTAIN AN AIR ENTRAINMENT ADMIXTURE TO ACHIEVE 5%-7% ENTRAINED		16.	NO REINFORCING STEEL SHALL BE CUT OR OMITTED IN TH OPENINGS, OR RECESSES. REINFORCING STEEL MAY BE MO APPROVAL OF THE ENGINEER.	HE FIELD BECAUSE OF CONFLICT V DVED ASIDE WITHOUT CHANGE IN L
L HAVE AN AIR-DRY UNIT WEIGHT	OF 145 PCF.	17.	NO CHASES, RECESS, OPENINGS, OR SLEEVES SHALL BE I ENGINEER.	INSTALLED IN CONCRETE WITHOUT
RENGTH, UNLESS NOTED OTHERWISE	SHALL CONFORM TO THE FOLLOWING:	18.	KEYS SHALL BE A MINIMUM OF 2"x4" WITH BEVELED SIDE	ES, UNLESS NOTED OTHERWISE.
ATION WALLS TURAL SLABS DECK & PRECAST PLANK	4000 PSI (NORMAL WEIGHT) 4000 PSI (NORMAL WEIGHT) 4000 PSI (NORMAL WEIGHT)	19.	DOWELS AND ANCHOR RODS SHALL BE SET BY TEMPLATE. S	SET EMBEDDED ITEMS FOR CONNECT
CURED IN ACCORDANCE WITH TEC	D IN ACCORDANCE WITH TECHNICAL SPECIFICATION 03300.		HORIZONTAL CONSTRUCTION JOINTS SHALL BE INDICATED SHALL BE APPROVED BY THE ENGINEER. CONSTRUCTION JO REINFORCING STEEL EXTENDED A MINIMUM OF 40 DIAMETE GRADE SHALL HAVE CONTINUOUS BENTONITE WATERSTOPS.	ON THE DRAWINGS. VERTICAL CON DINTS SHALL BE FORMED WITH A S ERS, UNLESS NOTED. ALL CONSTRU
IFORM TO ASTM A615, GRADE 60, DEFORMED BARS. LAP ALL CONTINUOUS BARS A ILESS NOTED. PROVIDE MATCHING CORNER AND INTERSECTING BARS.		21.	PROVIDE JOINT SEALANT FOR ALL EXPOSED-TO-VIEW CONS	STRUCTION JOINTS, CONTROL JOIN
RS AT 12" EACH WAY, EACH FACE,	FOR ALL WALLS, FOOTINGS, PITS, OR PADS,	22.	EXPOSED EDGES OF CONCRETE ELEMENTS SHALL HAVE A 1	INCH CHAMFER.

Project No 21933D

GOVERNING CODE: INTERNATIONAL BUILDING CODE, 2020				
OCCUPANCY CLASSIFICATION: RISK CATEGORY:	U-UTILITY AND MISC. I			
DESIGN LOADING:				
ROOF SNOW LOAD:				
GROUND SNOW LOAD, Pg: FLAT ROOF SNOW LOAD, Pf: IMPORTANCE FACTOR, Is: THERMAL FACTOR, Ct: EXPOSURE FACTOR, Ce:	60 PSF 40 PSF 0.8 1.2 1.0			
WIND LOAD:				
BASIC WIND SPEED: IMPORTANCE FACTOR, Iw: WIND EXPOSURE: INTERNAL PRESSURE COEFFICIENT:	110 MPH I C 0.55			
SEISMIC LOAD:				
SEISMIC USE GROUP:	I			
SPECTRAL RESPONSE COEFFICIENTS: Sds: Sd1:	0.326 0.130			
SITE CLASS: SEISMIC DESIGN CATEGORY: SEISMIC FORCE RESISTING SYSTEM: RESPONSE MODIFICATION COEFFICIENT:	D B ORDINARY CONCRETE REINFORCED SHEAR WALL			

GOVERNING CODE: INTERNATIONAL BUILDING CODE, 2020					
OCCUPANCY CLASSIFICATION: RISK CATEGORY:	U-UTILITY AND MIS I				
DESIGN LOADING:					
ROOF SNOW LOAD:					
GROUND SNOW LOAD, Pg: FLAT ROOF SNOW LOAD, Pf: IMPORTANCE FACTOR, Is: THERMAL FACTOR, Ct: EXPOSURE FACTOR, Ce:	60 PSF 40 PSF 0.8 1.2 1.0				
WIND LOAD:					
BASIC WIND SPEED: IMPORTANCE FACTOR, Iw: WIND EXPOSURE: INTERNAL PRESSURE COEFFICIENT:	110 MPH I C 0.55				
SEISMIC LOAD:					
SEISMIC USE GROUP:	I				
SPECTRAL RESPONSE COEFFICIENTS: Sds: Sd1:	0.390 0.146				
SITE CLASS: SEISMIC DESIGN CATEGORY: SEISMIC FORCE RESISTING SYSTEM:	D C ORDINARY CONCRETE REINFORCED SHEAR				
RESPONSE MODIFICATION COEFFICIENT:					

