

PUMP SCHEDULE

SYMBOL	SERVICE	LOCATION	TYPE	CATALOG DATA		SELECTION		DISCHARGE PIPE SIZE (IN)	BASIN SIZE (DIA.xH)	MOTOR			OPER. WEIGHT EACH (LBS)	REMARK
				MANUFACTURER	MODEL TYPE	FLOW (GPM)	HEAD (FT.)			HP	RPM	VOLT/PH/HZ		
	BASEMENT SEWAGE	BASEMENT	DUPLEX SEWAGE EJECTOR	ZOELLER	4293	42	40	2"	48"x60"	1	3450	230/1/60	96	①②③④

① W/ DUPLEX CONTROL MODEL. NEMA 4X, W/ ALARM AND 3-EA 20' FLOAT SWITCHES. ⑥ PROVIDE PUMP RAIL REMOVAL SYSTEM.

② 2" CAST IRON-UNICHECK VALVE FEMALE N.P.T. ENDS

③ VERIFY VOLTAGE & PHASE WITH ELECTRICAL ENGINEER/CONTRACTOR.

PIPE MATERIAL SCHEDULE

SERVICE	PIPE	FITTINGS	LOCATION	REMARKS
WASTE & VENT WASTE	CAST IRON HUBLESS	CAST IRON HUBLESS ABS	ABOVE GRADE BELOW GRADE/ CRAWL SPACE	
HOT AND COLD WATER	COPPER TYPE "L" HARD DRAWN	WROUGHT COPPER	ABOVE GRADE	
COLD WATER	COPPER TYPE "K" HARD DRAWN	WROUGHT COPPER	BELOW GRADE	
CONDENSATE DRAIN	COPPER TYPE "M" HARD DRAWN	WROUGHT COPPER	ABOVE GRADE	
ROOF DRAIN	CAST IRON HUBLESS	CAST IRON HUBLESS	ABOVE GRADE BELOW GRADE	
OVERFLOW DRAIN	ABS	ABS	ABOVE GRADE	
GAS	BLACK STEEL SCH. 40 YELLOW POLY PIPE	MALLABLE IRON YELLOW POLY PIPE	ABOVE GRADE BELOW GRADE	OBTAIN APPROVAL FROM INSPECTOR FOR THE USE OF YELLOW POLY PIPE PIPE OUTSIDE THE BLDG.
PUMP DISCHARGE	PVC SCH40	PVC SCH40	ABOVE GRADE BELOW GRADE	

NOTE: ALL MATERIALS SHALL BE IAPMO LISTED OR LEAD FREE.

PIPING SOUND ISOLATION NOTES

- FOR SUPPLY WATER PIPING 1" DIAMETER OR SMALLER, USE THE "ACOUSTO-PLUMB" SYSTEM OF ORANGE AND BLUE PLASTIC PIPE ISOLATORS, HOLDERS, AND GUIDES AS MANUFACTURED BY "SPECIALTY PRODUCTS" COMPANY OR EQUAL.
 MOST COMMONLY USED ISOLATORS BY "SPECIALTY PRODUCTS":
 A. TYPE "AE" - CHROME OR PLASTIC SCUTCHEON, "ACOUSTO-SCUTCHEON".
 B. TYPE "AC" - ISOLATED CLAMP WITH SCREW ATTACHMENT, "ACOUSTO-CLAMP."
 C. TYPE "AL" - ISOLATED SPLITTED PIPE SLEEVE, "ACOUSTO-LATOR."
 D. TYPE "AS" - ISOLATED PIPE SLEEVE. "ACOUSTO-SLEEVE".
- ISOLATE WASTE PIPES AND SUPPLY WATER PIPES MORE THAN 1" IN DIAMETER WITH THE "STONEMAN TRISOLATOR SYSTEM" OF PIPE ISOLATORS, AS MANUFACTURED BY "STONEMAN ENGINEERING AND MANUFACTURING" OR EQUAL.
- USE ISOLATED PIPE CLEVIS HANGER, SIMILAR TO "TOLCO" CLEVIS HANGER WITH FELT LINING.
- THIN-WALLED COPPER WASTE AND DRAIN PIPING MUST BE COMPLETELY WRAPPED USING ACOUSTICAL PIPE WRAP.
- DO NOT ALLOW THE PIPING, PIPE CONNECTORS, PIPE HANGERS, OR VALVES TO DIRECTLY TOUCH THE STRUCTURE, STUDS, GYPSUM BOARD, OR OTHER PIPES.
- INSTALL 3-1/2" BATT INSULATION IN OTHERWISE UNINSULATED STUD AND JOIST SPACES CONTAINING WATER PIPING.
- DO NOT LOCATE SUPPLY OR WASTE WATER PIPES CLOSER THAN 2" FROM GYPSUM BOARD IN WALLS OR CEILINGS OF ACOUSTICALLY SENSITIVE ROOMS, SUCH AS LIVING ROOMS, DINNING ROOMS AND BEDROOMS.
- IN NO CASE SHOULD THE PLUMBING PIPING OF ONE UNIT BE CLOSER THAN 1" OF ANOTHER UNIT.
- NO STRAP HANGERS, PUNCHED TAPE OR WIRES WILL BE ACCEPTED.
- BRANCH WATER PIPING IN PARTITIONS AND CHASES SHALL BE ADEQUATELY SUPPORTED USING SPECIFIED HANGERS AND CLAMPS. PROVIDE NECESSARY STEEL BACKING PLATES OR CHANNELS ANCHORED TO STUDS, FLOORS, OR PLUMBING VENTS, IN AN APPROVED MANNER. ISOLATE PIPING FROM STRUCTURE AND OTHER PIPING AND BUILDING COMPONENTS WITH "ACOUSTO-PLUMB" PRODUCTS.

PLAN REVIEW ACCEPTANCE
FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW

<input checked="" type="checkbox"/> BUILDING	<input checked="" type="checkbox"/> STRUCTURAL
<input checked="" type="checkbox"/> MECHANICAL	<input checked="" type="checkbox"/> PLUMBING
<input checked="" type="checkbox"/> ELECTRICAL	<input checked="" type="checkbox"/> ENERGY
<input type="checkbox"/> ACCESSIBILITY	<input type="checkbox"/> FIRE

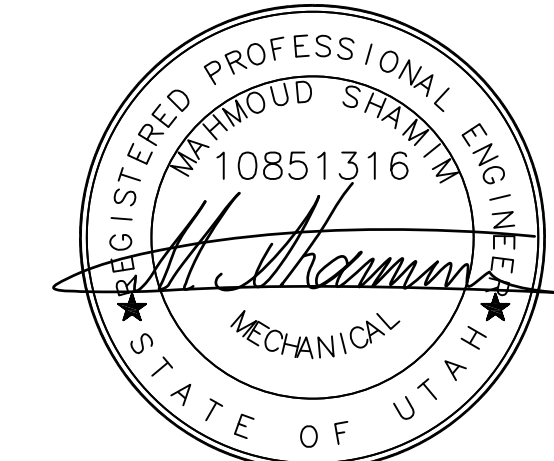
PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, OR LOCAL REGULATIONS.

BY: **MEM** DATE: 02/25/19
WEST COAST CODE CONSULTANTS, INC.

POWDER MOUNTAIN HOUSE

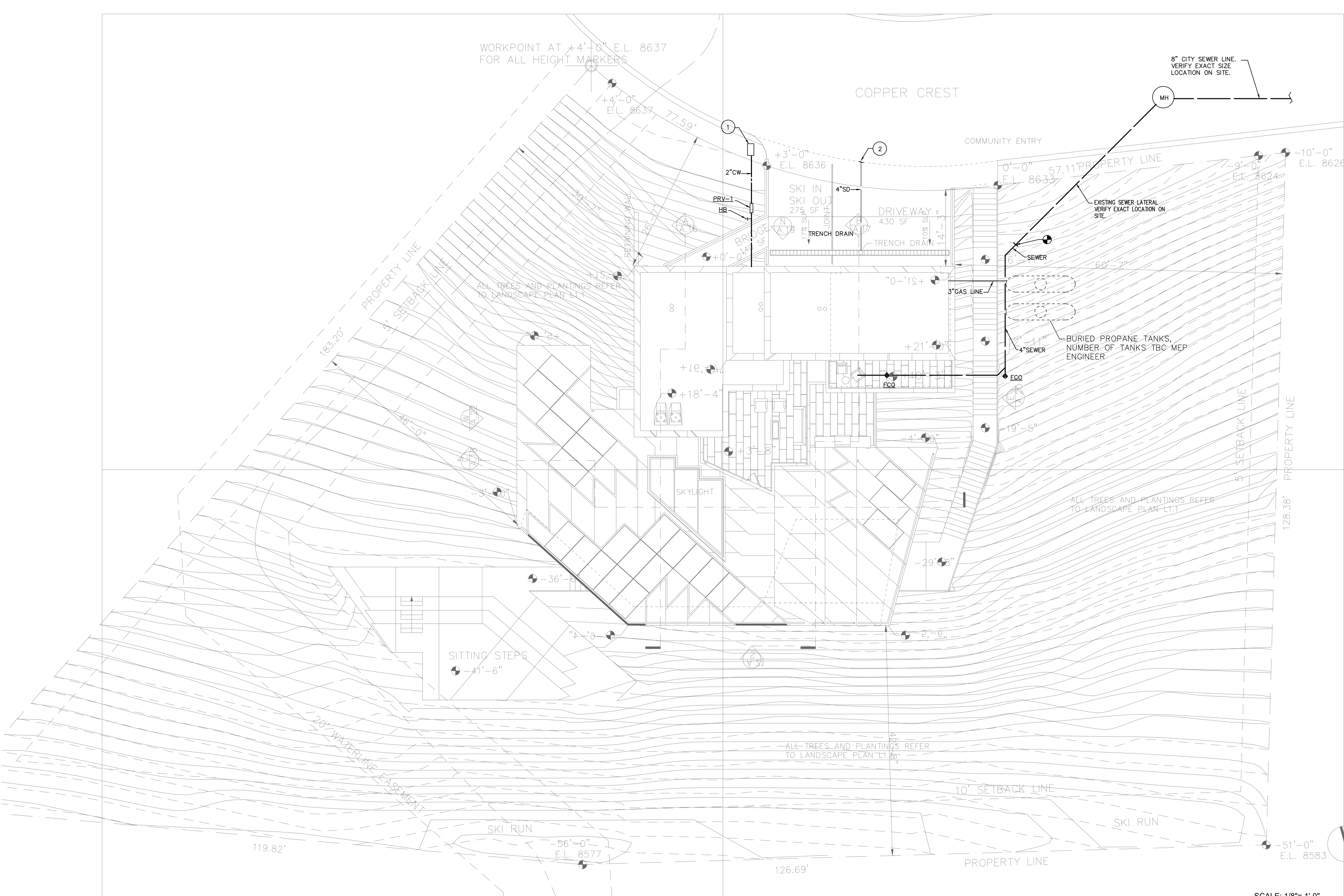
OWNER:
TOM BUTTGENBACH
 8645 EASET COPPER CREST
 EDEN, UT 84310

ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2404 WILSHIRE BLVD., SUITE 4B LOS ANGELES, CA 90057 (213) 674-7285 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET HOUSTON, TX 77007 (213) 627-6687 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN CIVIL ENGINEERS <small>527 W 7TH STREET HOUSTON, TX 77007 (817) 743-1300 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM ENGINEERING CONSULTANTS INC. <small>5530 CORBIN AVE. SUITE 300 IRVING, TX 75038 (972) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>GLENDALE, CA (714) 458-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 538-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1295</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1295 WWW.KGMLIGHTING.COM</small>
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SCHEDULES, NOTES, & LEGEND

REVISIONS:	BY:	DATE:	DATE:
			02/15/2019
			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET:
			P0.2



- NUMBERED NOTES:**
- 1 WATER METER. VERIFY EXACT LOCATION WITH ARCHITECT.
 - 2 4" STORM DRAIN PIPE TERMINATE TO STREET CURB FACE.

PLAN REVIEW ACCEPTANCE
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BY: MEM DATE: 02/25/19
 WEST COAST CODE CONSULTANTS, INC.

POWDER MOUNTAIN HOUSE

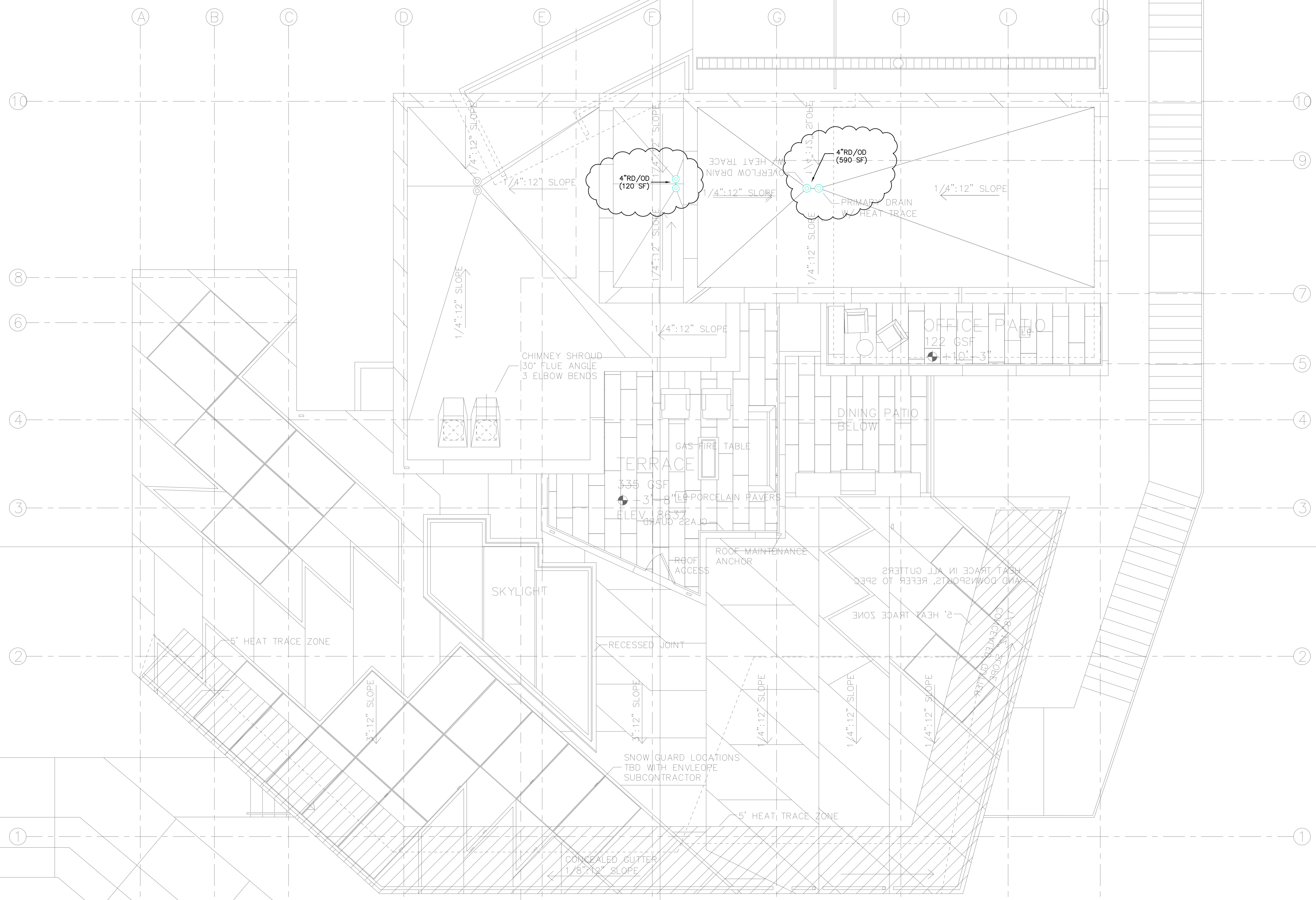
OWNER: TOM BUTTGENBACH
 8645 EASET COPPER CREST
 EDEN, UT 84310

ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2454 WILSHIRE BLVD., SUITE 48 LOS ANGELES, CA 90057 (213) 674-2238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-6887 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>527 W 7TH STREET MURRAY, UT 84107 (801) 745-1300 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5520 CORBIN AVE, SUITE 300 IRVINE, CA 92618 (949) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>CLENDALE, CA (714) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255 WWW.KGMLIGHTING.COM</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255 WWW.KGMLIGHTING.COM</small>
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SITE PLAN

REVISIONS:	BY:	DATE:	DATE:
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			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET:
			P1.0



PLAN REVIEW ACCEPTANCE
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BY: **MEM** DATE: 02/25/19
WEST COAST CODE CONSULTANTS, INC.

SCALE: 1/4" = 1'-0"

POWDER MOUNTAIN HOUSE

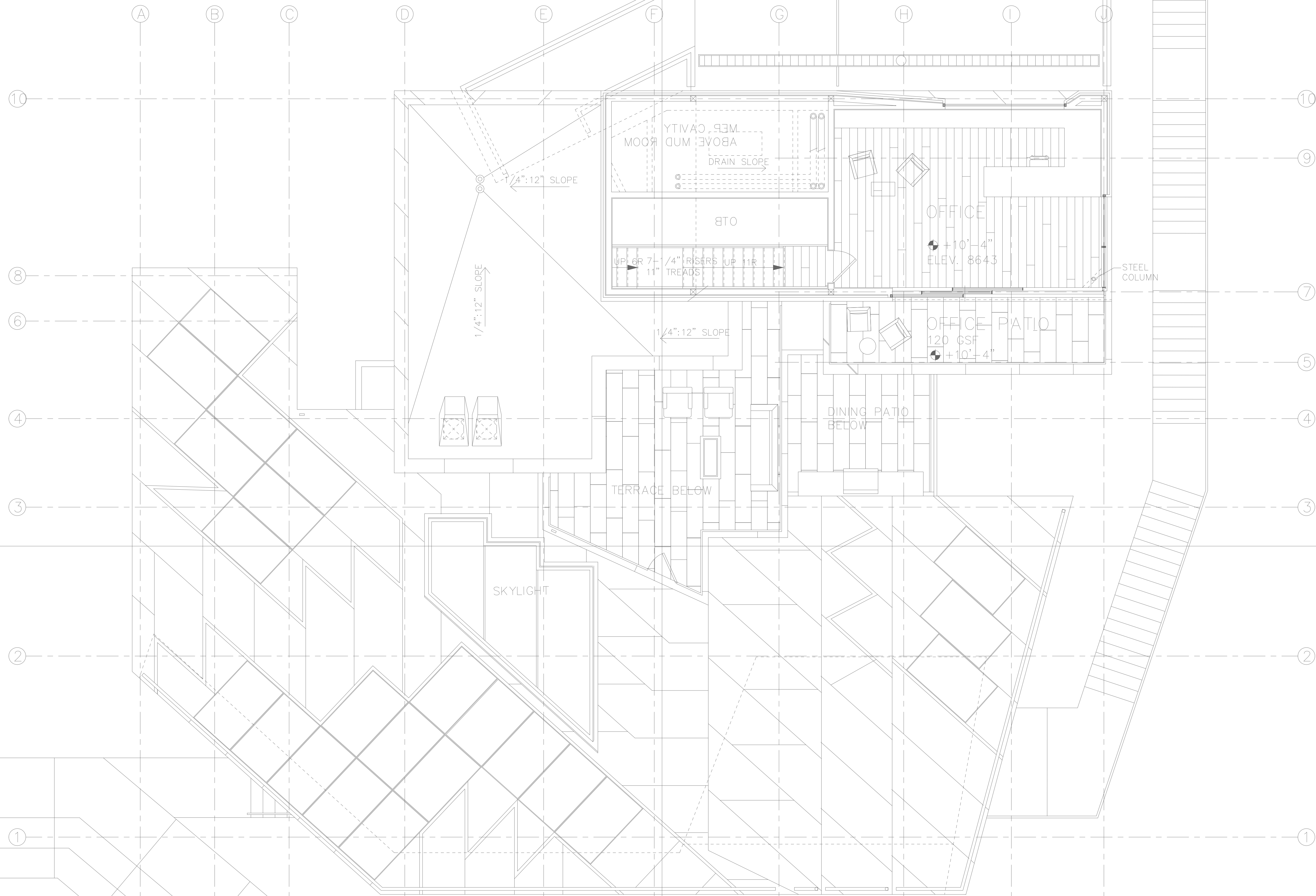
OWNER: **TOM BUTTGENBACH**
 8645 EASET COPPER CREST
 EDEN, UT 84310

ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2454 WILSHIRE BLVD., SUITE 48 LOS ANGELES, CA 90057 (213) 674-2238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-6887 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>527 W 7TH STREET MURRAY, UT 84107 (801) 745-1300 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5520 CORBIN AVE, SUITE 300 IRVING, CA 91356 (916) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI <small>CLENDALE, CA (714) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>911 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>326 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255</small>	LIGHTING DESIGNER: KGM <small>326 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255 WWW.KGMLIGHTING.COM</small>
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ROOF PLAN

REVISIONS:	BY:	DATE:	DATE:
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			SCALE: AS SHOWN
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			SHEET:
			P2.0



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<input checked="" type="checkbox"/> ELECTRICAL	<input checked="" type="checkbox"/> ENERGY
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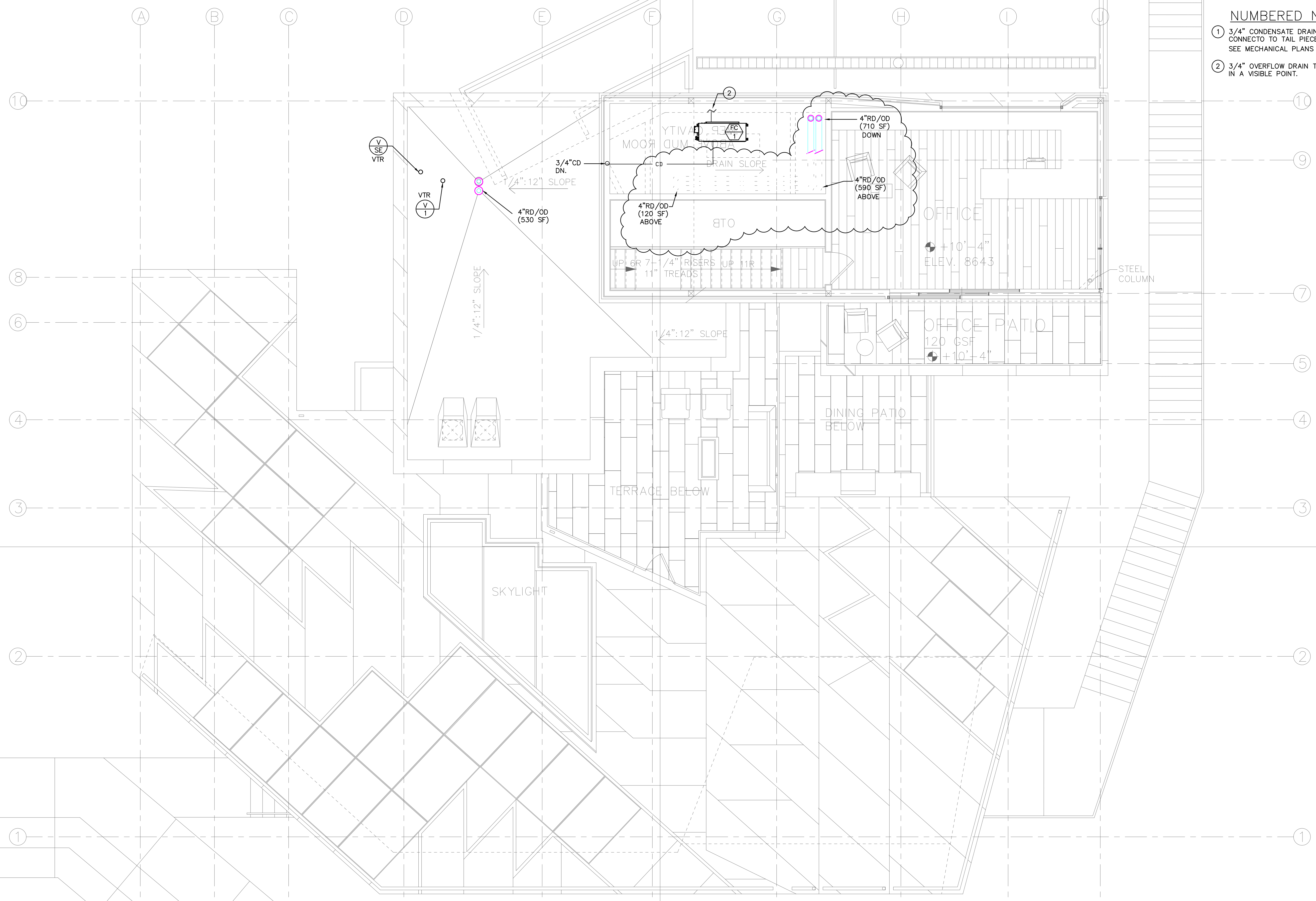
**(WATER & GAS)
 PENTHOUSE LEVEL**

POWDER MOUNTAIN HOUSE OWNER: **TOM BUTTGENBACH**
 8645 EASET COPPER CREST
 EDEN, UT 84310

ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2454 WILSHIRE BLVD., SUITE 48 LOS ANGELES, CA 90057 (213) 674-2238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-6887 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>5217 SOUTH STATE STREET MURRAY, UT 84107 (801) 745-1300 WWW.TALISMANOVILL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5520 CORBIN AVE., SUITE 300 IRVINE, CA 92618 (949) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI <small>CLENDALE, CA (720) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255 WWW.KGMLIGHTING.COM</small>
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			SHEET:
			P3.0



- NUMBERED NOTES:**
- 3/4" CONDENSATE DRAIN DOWN TO FLOOR BEOW AND CONNECTO TO TAIL PIECE OF LAVATORY. SEE MECHANICAL PLANS FOR EXACT LOCATION OF UNITS.
 - 3/4" OVERFLOW DRAIN TERMINATE ABOVE SHOWER OR IN A VISIBLE POINT.

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BY: **MEM** DATE: 02/25/19
WEST COAST CODE CONSULTANTS, INC.

SCALE: 1/4" = 1'-0"

(WASTE & VENT)

PENTHOUSE LEVEL

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			SHEET:
			P3.1

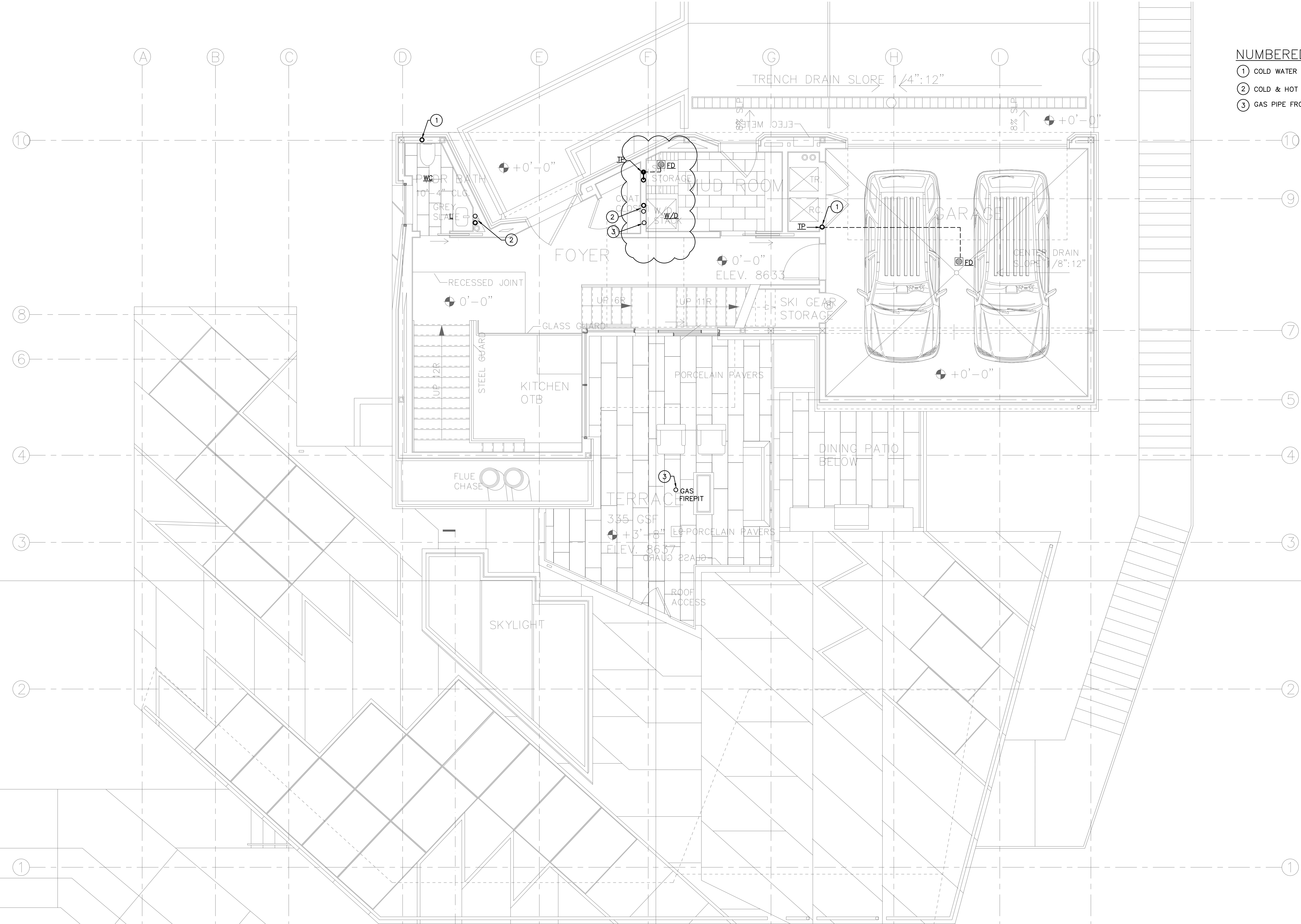
POWDER MOUNTAIN HOUSE OWNER: **TOM BUTTGENBACH**
 8645 EASET COPPER CREST EDEN, UT 84310

ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2454 WILSHIRE BLVD., SUITE 48 LOS ANGELES, CA 90057 (213) 674-2238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-6887 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>527 W 7TH STREET MURRAY, UT 84107 (801) 745-1300 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5520 CORBIN AVE., SUITE 300 IRVINE, CA 92618 (949) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>CLENDALE, CA (714) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>911 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255 WWW.KGMLIGHTING.COM</small>
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REGISTERED PROFESSIONAL ENGINEER
 MTHMOUD SHAWW
 10851316
 MECHANICAL
 STATE OF UTAH
 EXP:03-31-2021

NUMBERED NOTES:

- ① COLD WATER FROM BELOW.
- ② COLD & HOT WATER FROM BELOW.
- ③ GAS PIPE FROM BELOW.



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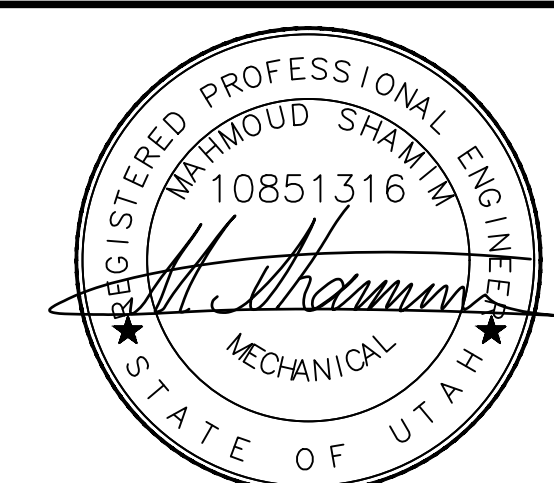
SCALE: 1/4" = 1'-0"

(WATER & GAS) ENTRY LEVEL

POWDER MOUNTAIN HOUSE

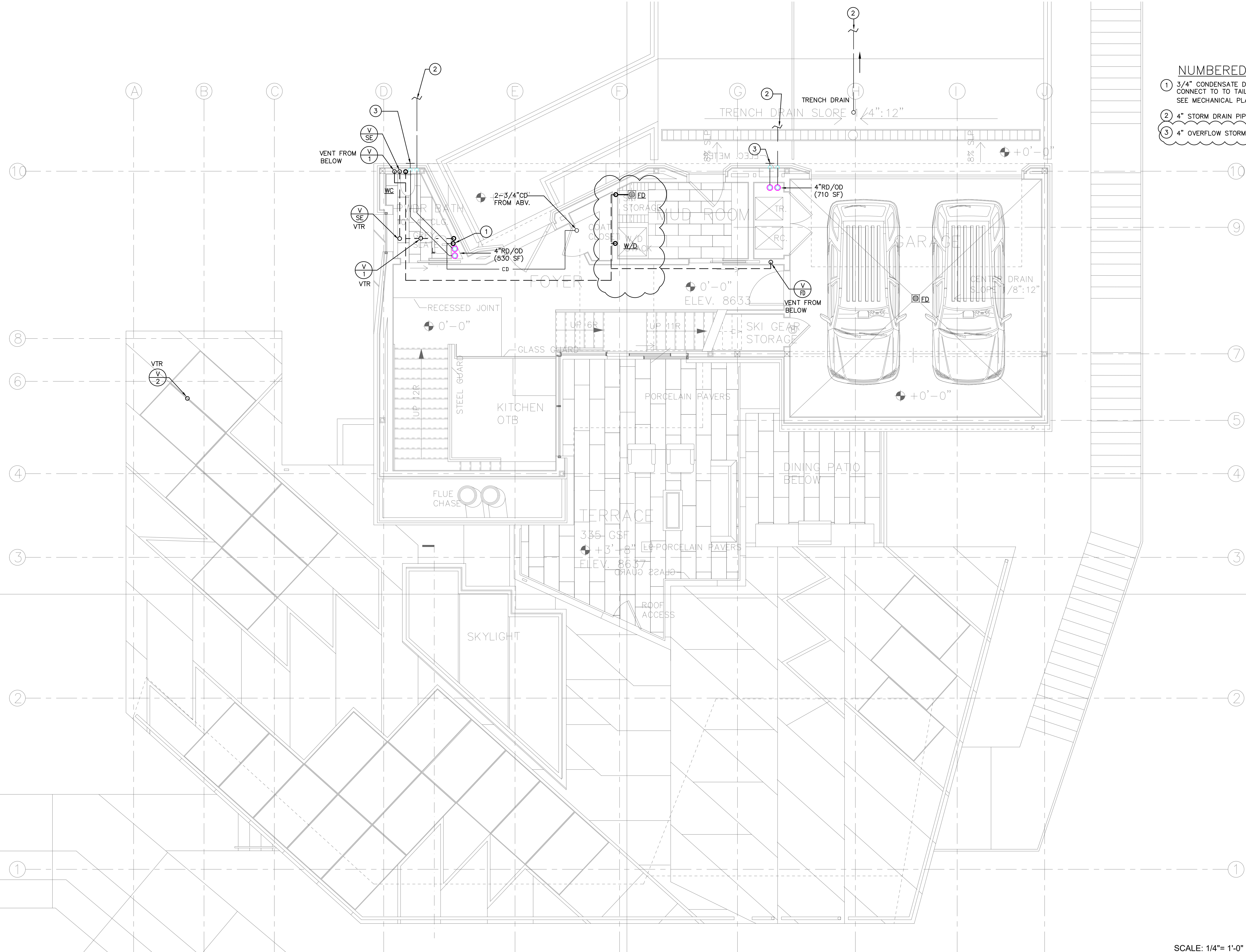
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EXP:03-31-2021

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			02/15/2019
			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET:
			P4.0



- NUMBERED NOTES:**
- 1 3/4" CONDENSATE DRAIN DOWN FROM FC IN FLOOR ABOVE AND CONNECT TO TAIL PIECE OF LAVATORY. SEE MECHANICAL PLANS FOR EXACT LOCATION OF UNITS.
 - 2 4" STORM DRAIN PIPE TERMINATE TO STREET CURB FACE.
 - 3 4" OVERFLOW STORM DRAIN PIPE TERMINATE 12" ABOVE FINISH FLOOR.

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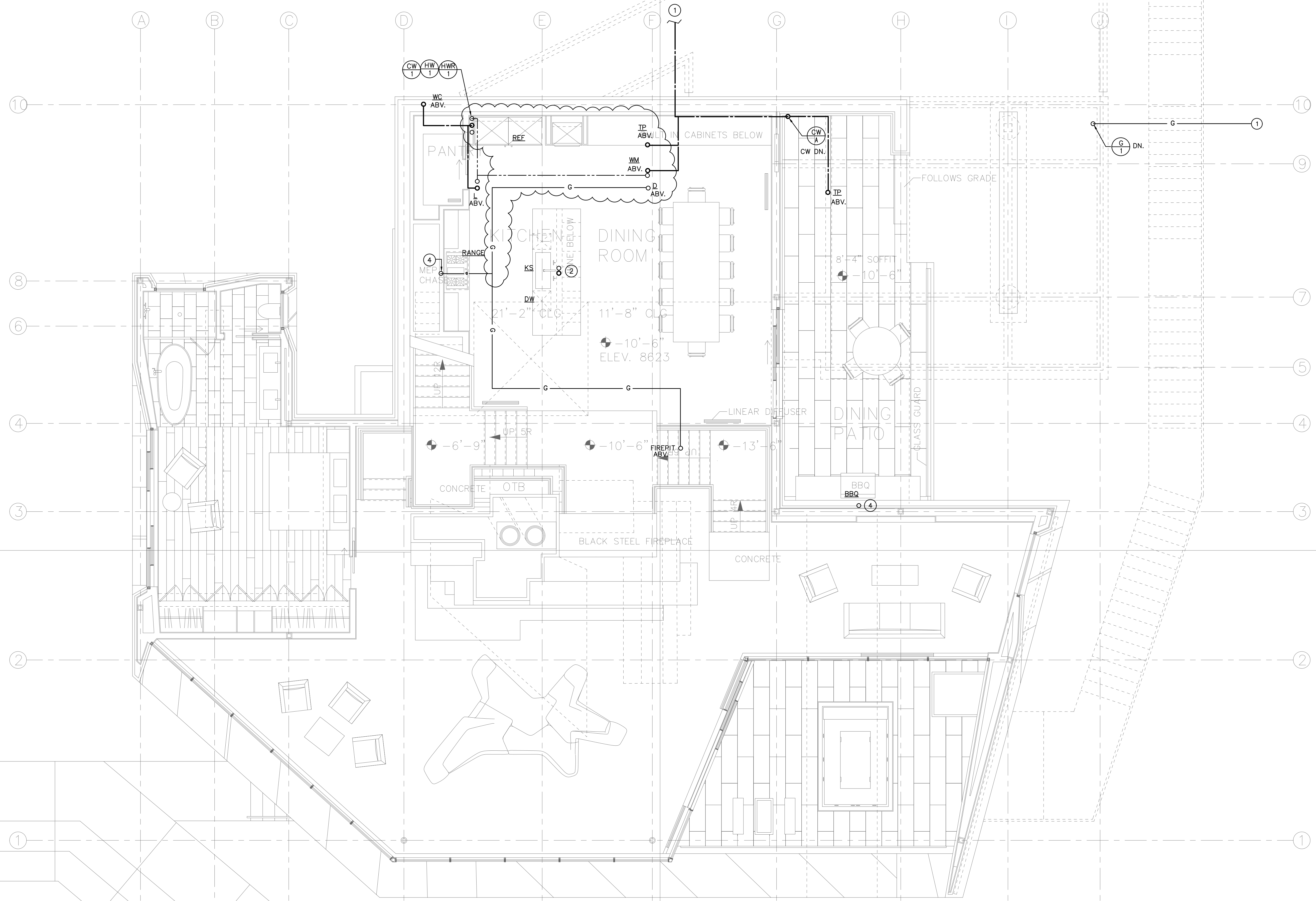
**(WASTE & VENT)
 ENTRY LEVEL**

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POWDER MOUNTAIN HOUSE OWNER: **TOM BUTTGENBACH**
 8645 EASET COPPER CREST EDEN, UT 84310

ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2454 WILSHIRE BLVD., SUITE 48 LOS ANGELES, CA 90057 (213) 674-2238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-6887 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>5277 SOUTH STATE STREET MURRAY, UT 84107 (801) 745-1300 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5520 CORBIN AVE, SUITE 300 IRVINE, CA 92618 (949) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI <small>CLENDALE, CA (714) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255 WWW.KGMLIGHTING.COM</small>
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- NUMBERED NOTES:**
- ① SEE SITE PLAN FOR CONTINUATION.
 - ② COLD & HOT WATER FROM BELOW.
 - ③ COLD WATER FROM BELOW.
 - ④ GAS PIPE FROM BELOW.

PLAN REVIEW ACCEPTANCE
 FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW

<input checked="" type="checkbox"/> BUILDING	<input checked="" type="checkbox"/> STRUCTURAL
<input checked="" type="checkbox"/> MECHANICAL	<input checked="" type="checkbox"/> PLUMBING
<input checked="" type="checkbox"/> ELECTRICAL	<input checked="" type="checkbox"/> ENERGY
<input type="checkbox"/> ACCESSIBILITY	<input type="checkbox"/> FIRE

PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE OR LOCAL REGULATIONS.

BY: **MEM** DATE: 02/25/19
WEST COAST CODE CONSULTANTS, INC.

SCALE: 1/4" = 1'-0"

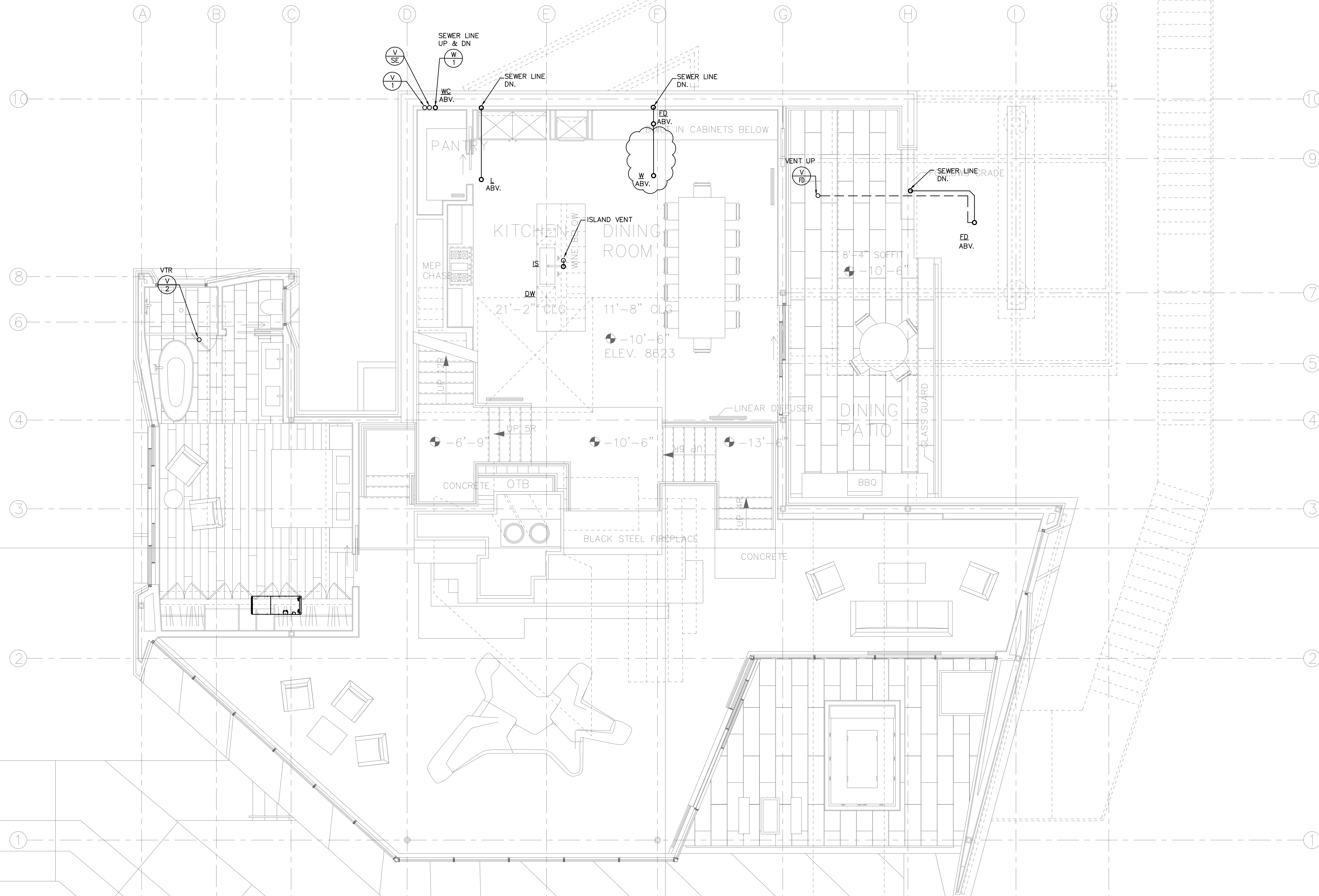
**(WATER & GAS)
 MEZZANINE LEVEL**

POWDER MOUNTAIN HOUSE OWNER: **TOM BUTTGENBACH**
 8645 EASET COPPER CREST EDEN, UT 84310

ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2454 WILSHIRE BLVD., SUITE 48 LOS ANGELES, CA 90057 (213) 674-2238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-8887 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>527 W 7TH STREET MURRAY, UT 84107 (801) 745-1300 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5520 CORBIN AVE., SUITE 300 IRVINE, CA 92618 (949) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>CLENDALE, CA (714) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>911 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255 WWW.KGMLIGHTING.COM</small>
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REVISIONS:	BY:	DATE:	DATE:
			02/15/2019
			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET:
			P5.0



PLAN REVIEW ACCEPTANCE
 FOR COMPLIANCE WITH THE APPLICABLE
 CONSTRUCTION CODES IDENTIFIED BELOW

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<input checked="" type="checkbox"/> ELECTRICAL	<input checked="" type="checkbox"/> ENERGY
<input type="checkbox"/> ACCESSIBILITY	<input type="checkbox"/> FIRE

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BY: **MEM** DATE: 02/25/19
WEST COAST CODE CONSULTANTS, INC.

SCALE: 1/4" = 1'-0"

**(WASTE & VENT)
 MEZZANINE LEVEL**

POWDER MOUNTAIN HOUSE

OWNER:
TOM BUTTGENBACH
 8645 EASET COPPER CREST
 EDEN, UT 84310

ARCHITECT:
**TOM WISCOMBE
 ARCHITECTURE**
 2454 WILSHIRE BLVD., SUITE 48
 LOS ANGELES, CA 90057
 (213) 674-2238
 WWW.TOMWISCOMBE.COM

STRUCTURAL ENGINEER:
NOUS
 527 W 7TH STREET
 LOS ANGELES, CA 90014
 (213) 627-6887
 WWW.NOUSENGINEERING.COM

CIVIL ENGINEER:
TALISMAN
 527 W 7TH STREET
 MURRAY, UT 84107
 (801) 745-1300
 WWW.TALISMANCIVIL.COM

MECHANICAL / PLUMBING:
SHAMIM
 5520 CORBIN AVE., SUITE 300
 IRVINE, CA 92618
 (949) 788-6778
 WWW.SHAMIMENGINEERING.COM

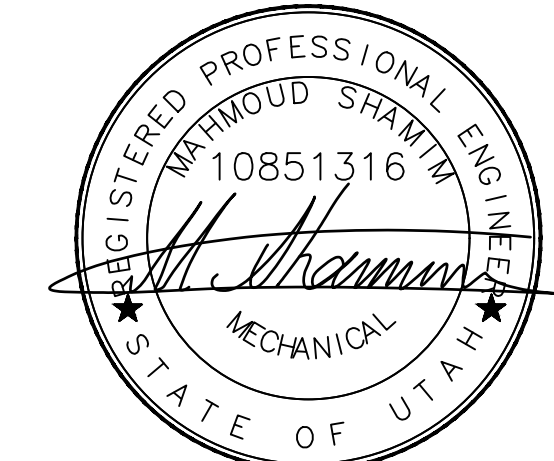
ELECTRICAL:
ABRARI
 911 WEST 7TH STREET, 10TH FLOOR
 LOS ANGELES, CA 90017
 (323) 536-2578
 WWW.ABRARI.COM

NGBS CONSULTING:
ARGENTO/GRAHAM
 911 WEST 7TH STREET, 10TH FLOOR
 LOS ANGELES, CA 90017
 (323) 536-2578
 WWW.ARGENTOGRAHAM.COM

GEOTECHNICAL:
IGES
 2702 SOUTH 1030 WEST SUITE 10
 SALT LAKE CITY, UT 84120
 (801) 270-9400
 WWW.IGESINC.COM

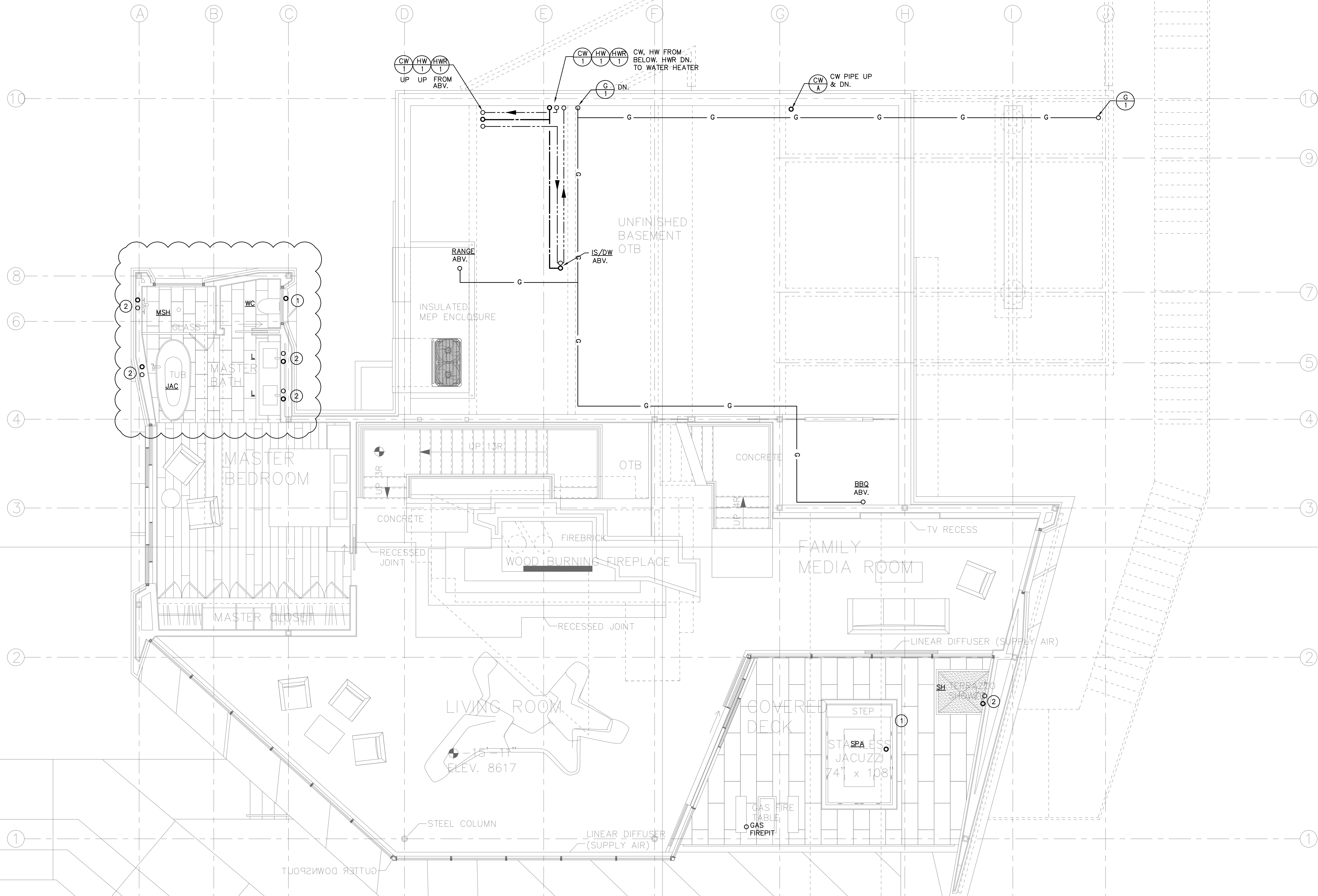
LANDSCAPE ARCHITECT:
LDG
 328 W 200 S SUITE 102
 SALT LAKE CITY, UT 84101
 (801) 583-1255
 WWW.LDGLIGHTING.COM

LIGHTING DESIGNER:
KGM
 328 W 200 S SUITE 102
 SALT LAKE CITY, UT 84101
 (801) 583-1255
 WWW.KGMLIGHTING.COM



EXP:03-31-2021

REVISIONS:	BY:	DATE:	DATE:
			02/15/2019
			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET:
			P5.1



- NUMBERED NOTES:**
- ① COLD WATER FROM BELOW.
 - ② COLD & HOT WATER FROM BELOW.

PLAN REVIEW ACCEPTANCE
 FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW

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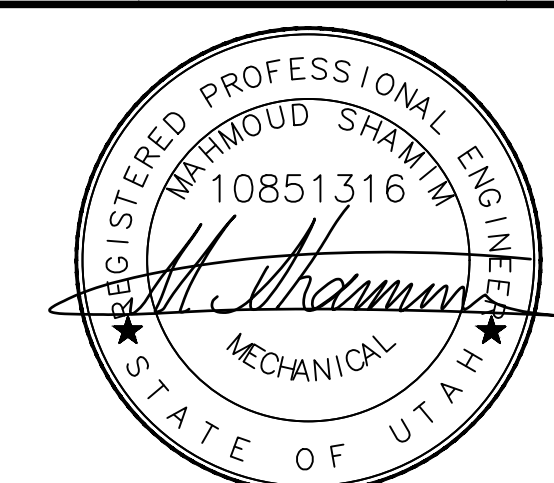
BY: **MEM** DATE: 02/25/19
WEST COAST CODE CONSULTANTS, INC.

SCALE: 1/4" = 1'-0" **(WATER & GAS)**

POWDER MOUNTAIN HOUSE

OWNER:
TOM BUTTGENBACH
 8645 EASET COPPER CREST
 EDEN, UT 84310

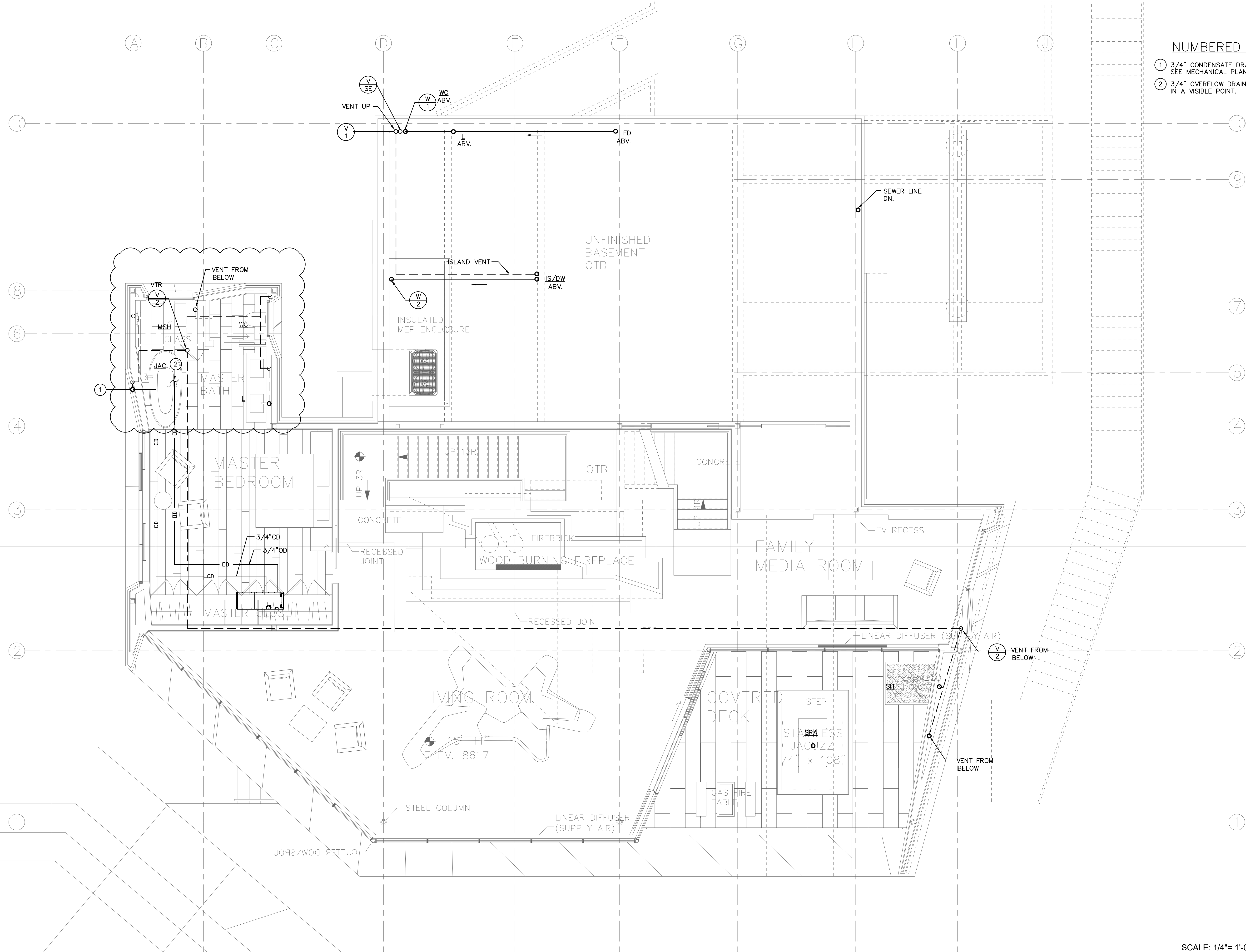
ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2454 WILSHIRE BLVD., SUITE 48 LOS ANGELES, CA 90057 (213) 674-2238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>5217 SOUTH STATE STREET MURRAY, UT 84107 (213) 627-6887 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>5217 SOUTH STATE STREET MURRAY, UT 84107 (801) 745-1300 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5520 CORBIN AVE., SUITE 300 IRVING, CA 91556 (916) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>CLENDALE, CA (714) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>911 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255 WWW.KGMLIGHTING.COM</small>
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EXP:03-31-2021

LIVING ROOM LEVEL

REVISIONS:	BY:	DATE:	DATE:
			02/15/2019
			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET:
			P6.0



- NUMBERED NOTES:**
- ① 3/4" CONDENSATE DRAIN TO TAIL PIECE OF LAVATORY. SEE MECHANICAL PLANS FOR EXACT LOCATION OF UNITS.
 - ② 3/4" OVERFLOW DRAIN TERMINATE ABOVE SHOWER OR IN A VISIBLE POINT.

PLAN REVIEW ACCEPTANCE
 FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW

<input checked="" type="checkbox"/> BUILDING	<input checked="" type="checkbox"/> STRUCTURAL
<input checked="" type="checkbox"/> MECHANICAL	<input checked="" type="checkbox"/> PLUMBING
<input checked="" type="checkbox"/> ELECTRICAL	<input checked="" type="checkbox"/> ENERGY
<input type="checkbox"/> ACCESSIBILITY	<input type="checkbox"/> FIRE

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BY: MEM DATE: 02/25/19
 WEST COAST CODE CONSULTANTS, INC.

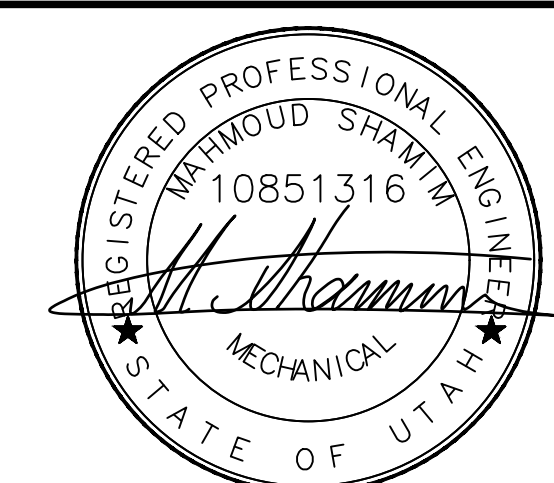
SCALE: 1/4" = 1'-0"

**(WASTE & VENT)
 LIVING ROOM LEVEL**

POWDER MOUNTAIN HOUSE

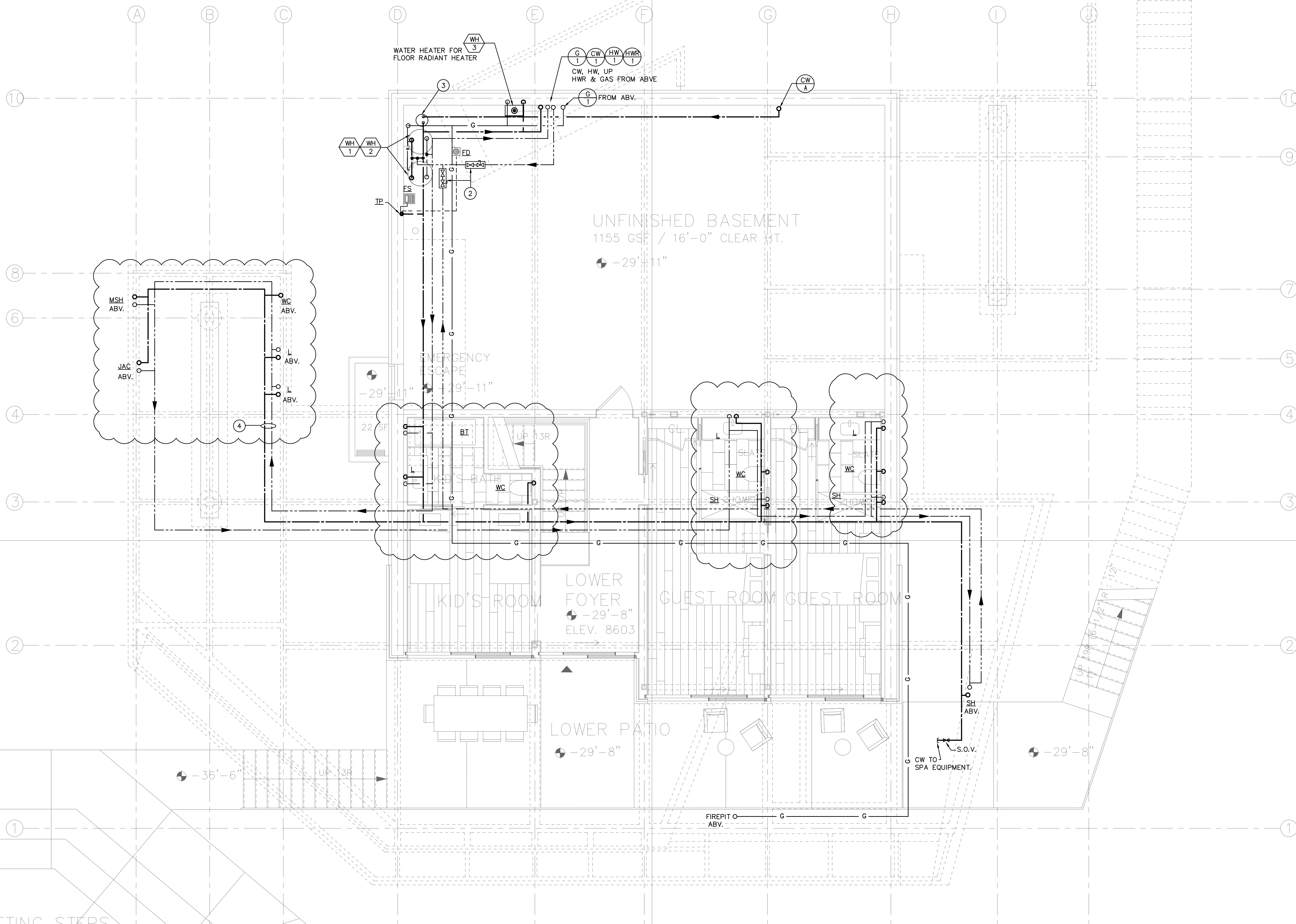
OWNER:
TOM BUTTGENBACH
 8645 EASET COPPER CREST
 EDEN, UT 84310

ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2454 WILSHIRE BLVD., SUITE 48 LOS ANGELES, CA 90057 (213) 674-2238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-8887 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>5217 SOUTH STATE STREET MURRAY, UT 84107 (801) 745-1300 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM ENGINEERING CONSULTANTS INC <small>5520 CORBIN AVE, SUITE 300 IRVING, CA 91356 (951) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>CLENDALE, CA (714) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1295 WWW.KGMLIGHTING.COM</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1295 WWW.KGMLIGHTING.COM</small>
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EXP:03-31-2021

REVISIONS:	BY:	DATE:	DATE:
			02/15/2019
			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET:
			P6.1



GENERAL FLOOR PLAN NOTES:

- 1- BALANCING VALVE SHALL BE "HAYS", "ARMSTRONG" OR APPROVED EQUAL.
- 2- CONTRACTOR SHALL BALANCE THE HOT WATER SUPPLY & RETURN LOOP AND PROVIDE A BALANCE REPORT TO OWNER/ENGINEER.
- 3- VELOCITY IN THE HOT WATER PIPING SHALL NOT BE MORE THAN 5 FEET PER SECOND.
- 4- SEE MANUFACTURERS DETAIL FOR WATER FILTER & SOFTENER PIPE CONNECTIONS.

NUMBERED NOTES:

- ① SEE SITE PLAN FOR CONTINUATION.
- ② BALANCING REGULATOR VALVE. (TYPICAL OF 2)
- ③ WATER SOFTNER & FILTRATION SYSTEM. (SPECIFICATIONS BY OWNER)
- ④ PIPE IN CRAWL SPACE.

PLAN REVIEW ACCEPTANCE
 FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW

<input checked="" type="checkbox"/> BUILDING	<input checked="" type="checkbox"/> STRUCTURAL
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BY: **MEM** DATE: 02/25/19
WEST COAST CODE CONSULTANTS, INC.

SCALE: 1/4" = 1'-0" **(WATER & GAS)**

POWDER MOUNTAIN HOUSE

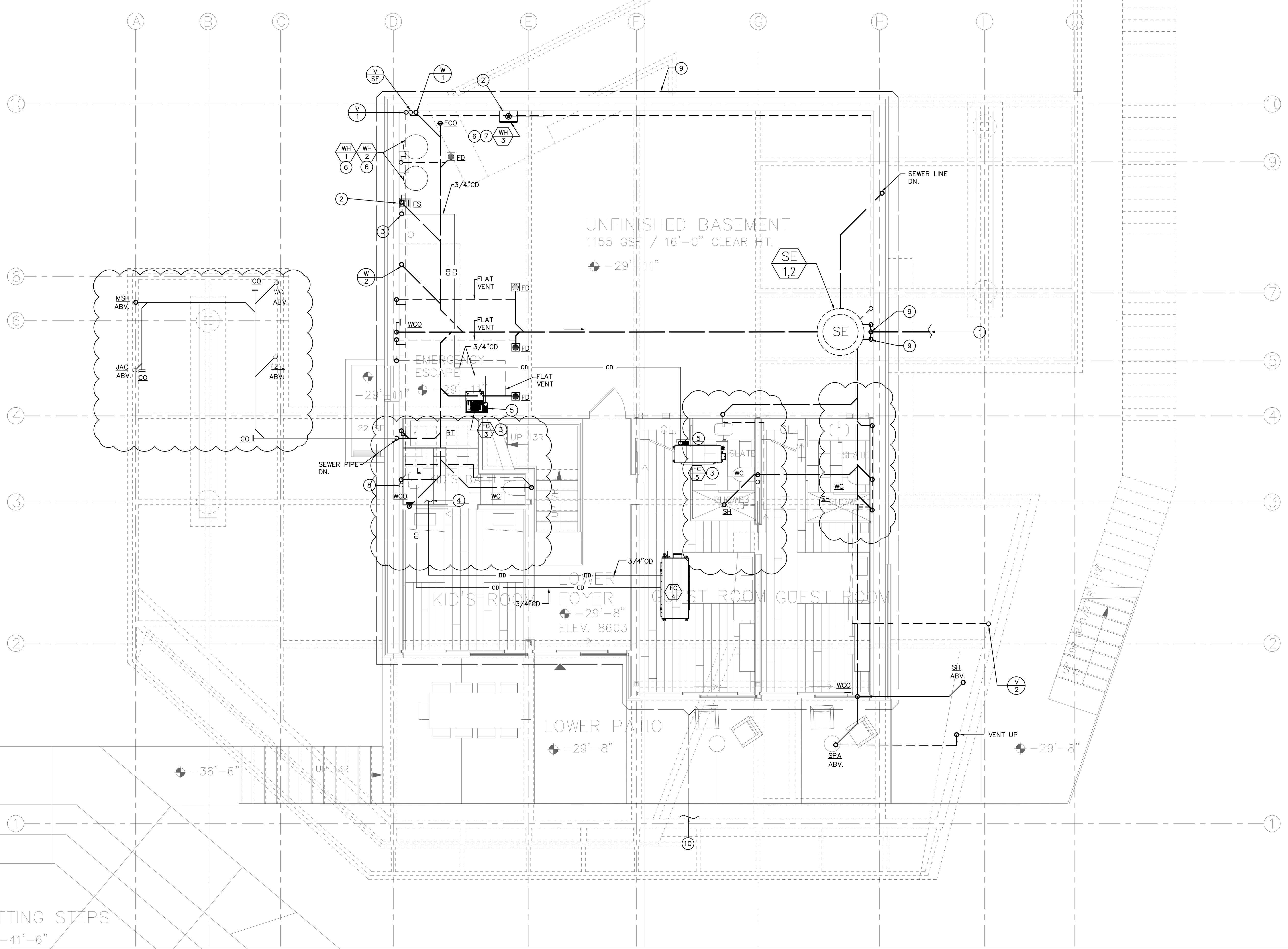
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 EDEN, UT 84310

ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2454 WILSHIRE BLVD., SUITE 48 LOS ANGELES, CA 90007 (213) 674-7238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-6667 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>527 W 7TH STREET MURRAY, UT 84107 (801) 745-1000 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5520 CORBIN AVE, SUITE 300 FORTLAUDERDALE, FL 33405 (954) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>CLENDALE, FL (352) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR SALT LAKE CITY, UT 84101 (801) 593-6278 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 593-1255 WWW.KGMLIGHTING.COM</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 593-1255 WWW.KGMLIGHTING.COM</small>
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REGISTERED PROFESSIONAL ENGINEER
 WYTHMOUD SHAWM
 10851316
 MECHANICAL
 STATE OF UTAH
 EXP:03-31-2021

BASEMENT LEVEL

REVISIONS:	BY:	DATE:	DATE:
			02/15/2019
			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET:
			P7.0



- NUMBERED NOTES:**
- 1 SEE SITE PLAN FOR CONTINUATION.
 - 2 PROVIDE PLUMBING WALL.
 - 3 3/4" CONDENSATE DRAIN SPILL TO FLOOR SINK W/AIRGAP. SEE MECHANICAL PLANS FOR EXACT LOCATION OF UNITS.
 - 4 3/4" OVERFLOW DRAIN TERMINATE ABOVE SHOWER OR IN A VISIBLE POINT.
 - 5 PROVIDE CONDENSATE DRAIN PUMP. "LITTLE GAIN", 1/50 HP, 120V/1Ø/60HZ. (TYPICAL FOR ALL UNITS)
 - 6 3/4" P&T RELIEF VALVE DRAIN LINE FROM WATER HEATER SPILL TO FLOOR SINK W/AIRGAP.
 - 7 3/4" CONDENSATE DRAIN LINE FROM WATER HEATER SPILL TO FLOOR SINK W/AIRGAP.
 - 8 3/4" CONDENSATE DRAIN TO TAIL PIECE OF LAVATORY. SEE MECHANICAL PLANS FOR EXACT LOCATION OF UNITS.
 - 9 4" SUBSURFACE DRAIN PIPE SPILL TO THE SIDE OF BUILDING AROUND BUILDING.
 - 10 4" SUBSURFACE DRAIN PIPE SPILL TO THE SIDE OF BUILDING.

PLAN REVIEW ACCEPTANCE
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<input checked="" type="checkbox"/> BUILDINGS	<input checked="" type="checkbox"/> STRUCTURAL
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BY: MEM DATE: 02/25/19
 WEST COAST CODE CONSULTANTS, INC.

SCALE: 1/4" = 1'-0"

**(WASTE & VENT)
 BASEMENT LEVEL**

REVISIONS:	BY:	DATE:	DATE:
			02/15/2019
			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET:
			P7.1

POWDER MOUNTAIN HOUSE

OWNER:
TOM BUTTGENBACH
 8645 EASET COPPER CREST
 EDEN, UT 84310

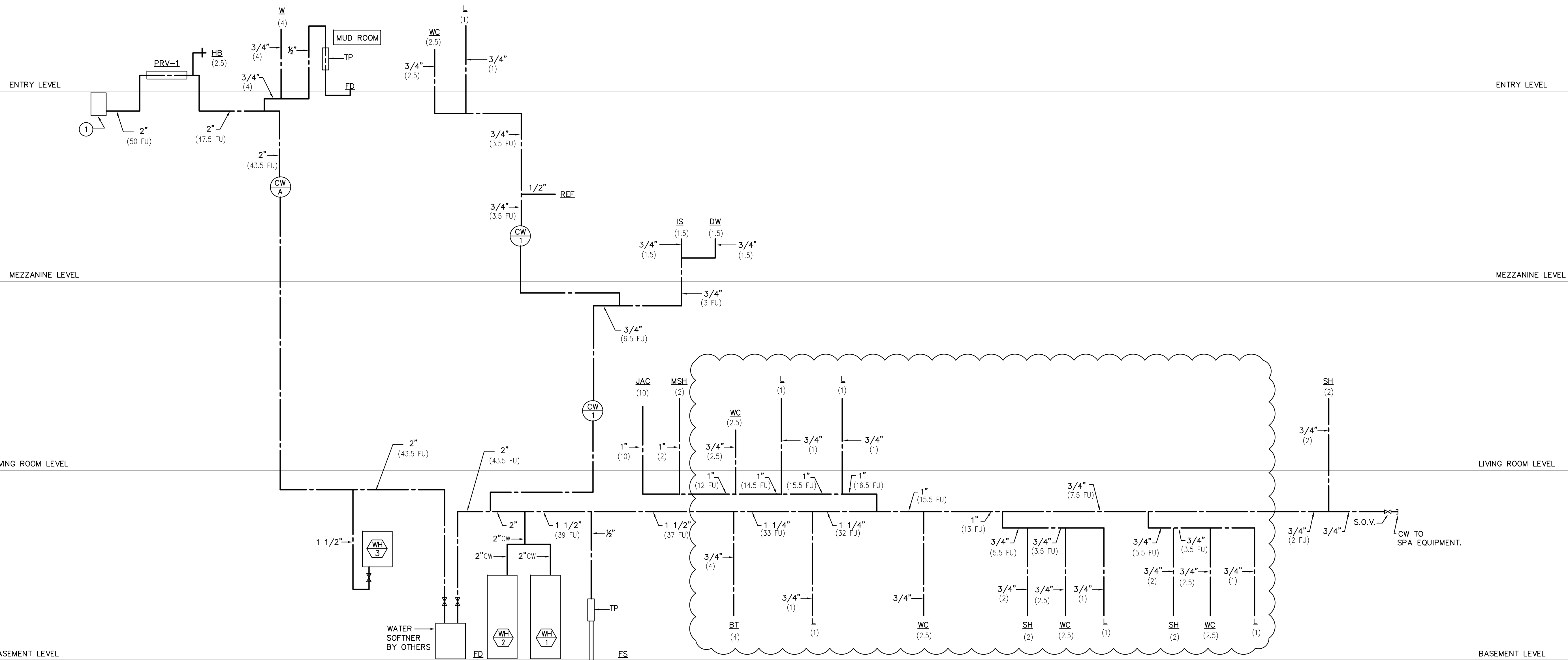
ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2454 WILSHIRE BLVD., SUITE 48 LOS ANGELES, CA 90057 (213) 674-2238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-6887 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>527 W 7TH STREET MURRAY, UT 84107 (801) 745-1000 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5520 CORBIN AVE, SUITE 300 IRVING, CA 91556 (916) 786-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI <small>CLENDALE, CA (714) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255 WWW.KGMLIGHTING.COM</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255 WWW.KGMLIGHTING.COM</small>
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COLD WATER SIZING	
PIPE SIZES BASED ON TYPE "L" COPPER @ 5.9 PSI/100 FT, 8 FPS MAXIMUM.	
FIXTURE UNITS	FIXTURE UNITS
1/2" = 0	1 1/4" = 39
3/4" = 8	1 1/2" = 78
1" = 20	2" = 254

KEY NOTES:

- ① 2" WATER METER. VERIFY EXACT LOCATION WITH ARCHITECT.



COLD WATER RISER

SCALE: NONE

PLAN REVIEW ACCEPTANCE
 FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW

<input checked="" type="checkbox"/> BUILDINGS	<input checked="" type="checkbox"/> STRUCTURAL
<input checked="" type="checkbox"/> MECHANICAL	<input checked="" type="checkbox"/> PLUMBING
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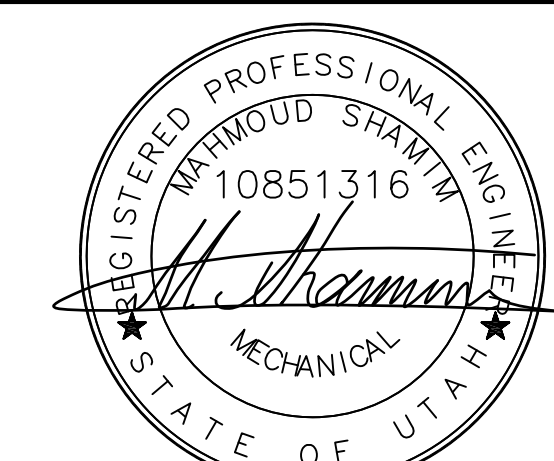
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POWDER MOUNTAIN HOUSE

OWNER:
TOM BUTTGENBACH
 8845 EASET COPPER CREST
 EDEN, UT 84310

ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2404 WILSHIRE BLVD., SUITE 40 LOS ANGELES, CA 90067 (213) 674-7238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-8867 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>5277 SOUTH STATE STREET MURRAY, UT 84107 (801) 743-1300 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5530 CORBIN AVE., SUITE 300 TAZARMA, CA 91356 (818) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>GLENDALE, CA (120) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84106 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1295</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1295 WWW.KGMLIGHTING.COM</small>
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EXP:03-31-2021

RISER DIAGRAM

REVISIONS:	BY:	DATE:	DATE:
			02/15/2019
			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET: P8.0

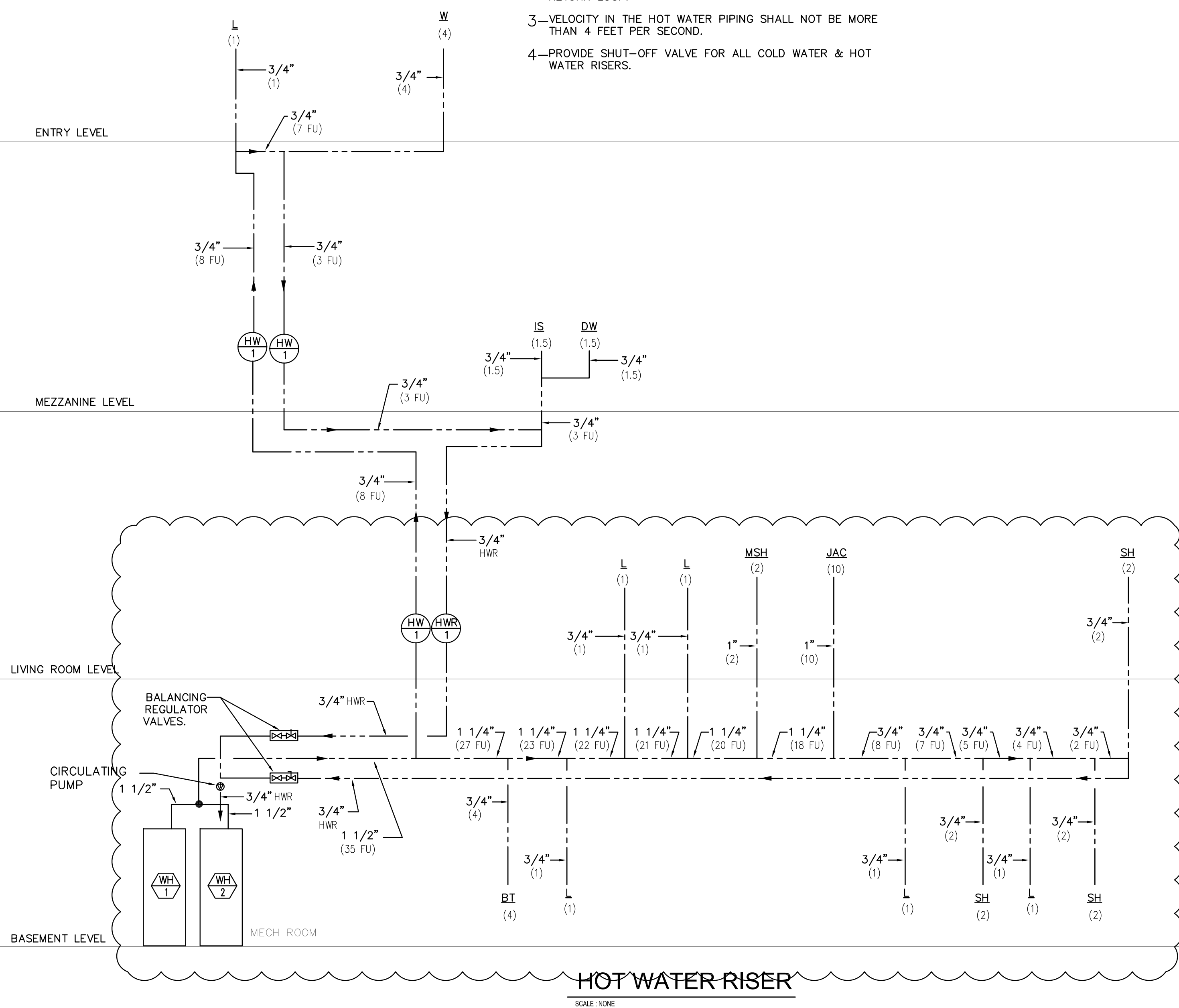
HOT WATER SIZING	
PIPE SIZES BASED ON TYPE "L" COPPER @ 5.9 PSI/100 FT, 5 FPS MAXIMUM.	
FIXTURE UNITS	FIXTURE UNITS
1/2" = 0	1 1/4" = 28
3/4" = 8	1 1/2" = 46
1" = 16	2" = 119

NOTE:

- 1-BALANCING VALVE SHALL BE "RED-WHITE VALVE" MODEL 9517AB, LOW LEAD BRASS BALANCING VALVE.
- 2-CONTRACTOR SHALL BALANCE THE HOT WATER SUPPLY & RETURN LOOP.
- 3-VELOCITY IN THE HOT WATER PIPING SHALL NOT BE MORE THAN 4 FEET PER SECOND.
- 4-PROVIDE SHUT-OFF VALVE FOR ALL COLD WATER & HOT WATER RISERS.

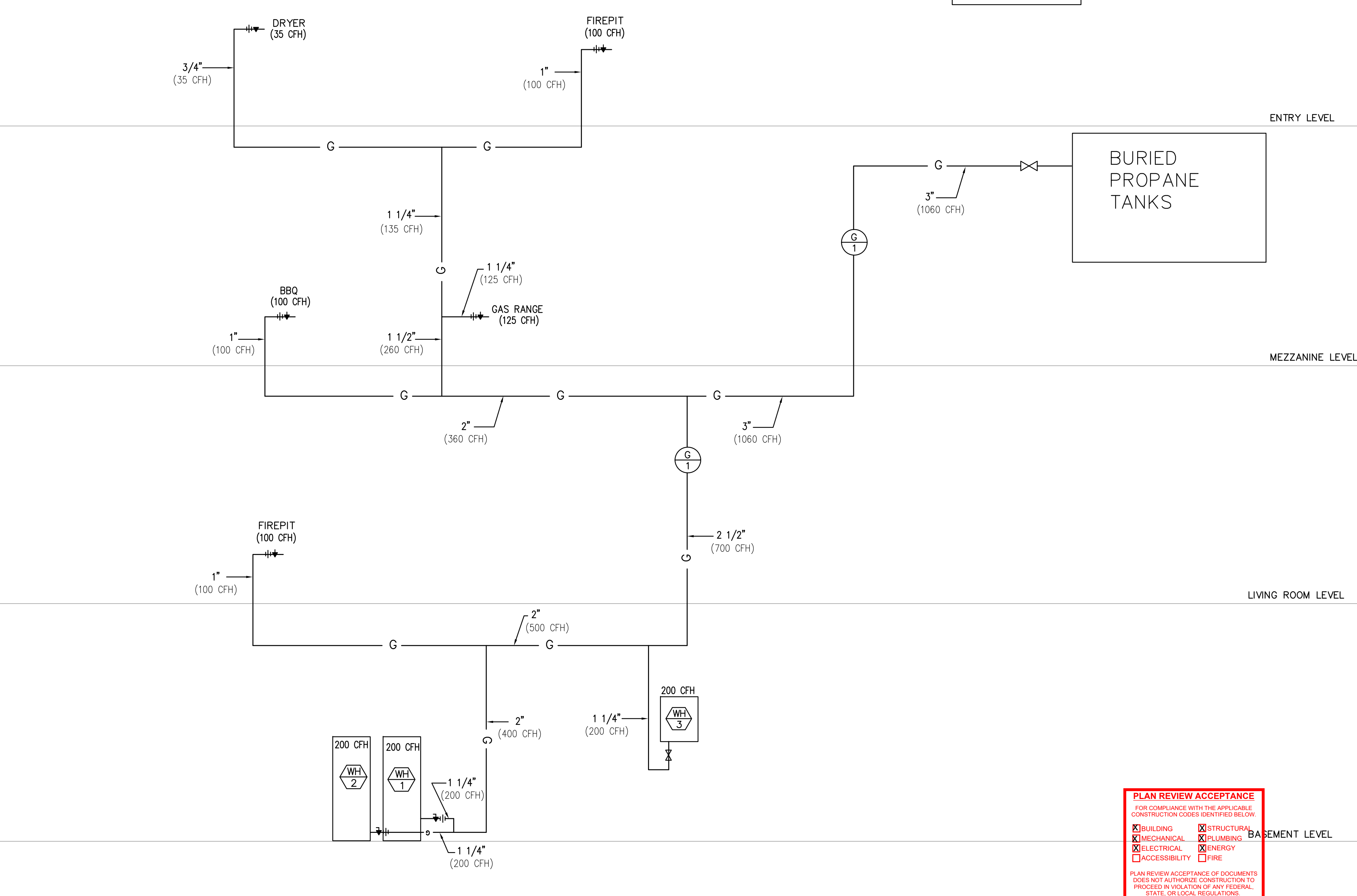
TDL=298'

GAS SIZING BASED ON 0.5 IN. WC.



HOT WATER RISER

SCALE: NONE



PLAN REVIEW ACCEPTANCE
 FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW

<input checked="" type="checkbox"/> BUILDINGS	<input checked="" type="checkbox"/> STRUCTURAL
<input checked="" type="checkbox"/> MECHANICAL	<input checked="" type="checkbox"/> PLUMBING
<input checked="" type="checkbox"/> ELECTRICAL	<input checked="" type="checkbox"/> ENERGY
<input type="checkbox"/> ACCESSIBILITY	<input type="checkbox"/> FIRE

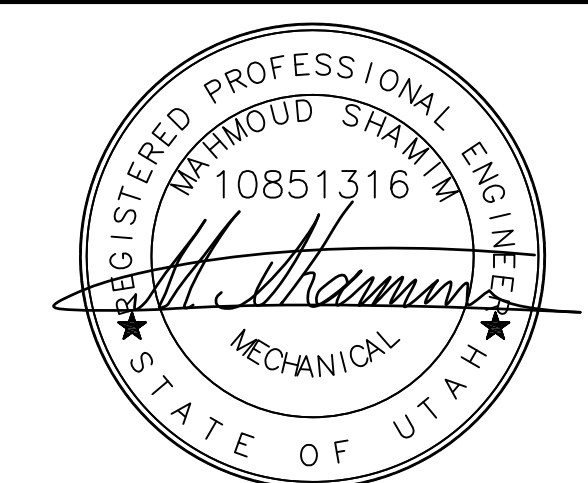
PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE OR LOCAL REGULATIONS.

BY: MEM DATE: 02/25/19
 WEST COAST CODE CONSULTANTS, INC.

POWDER MOUNTAIN HOUSE

OWNER:
TOM BUTTGENBACH
 8845 EASET COPPER CREST
 EDEN, UT 84310

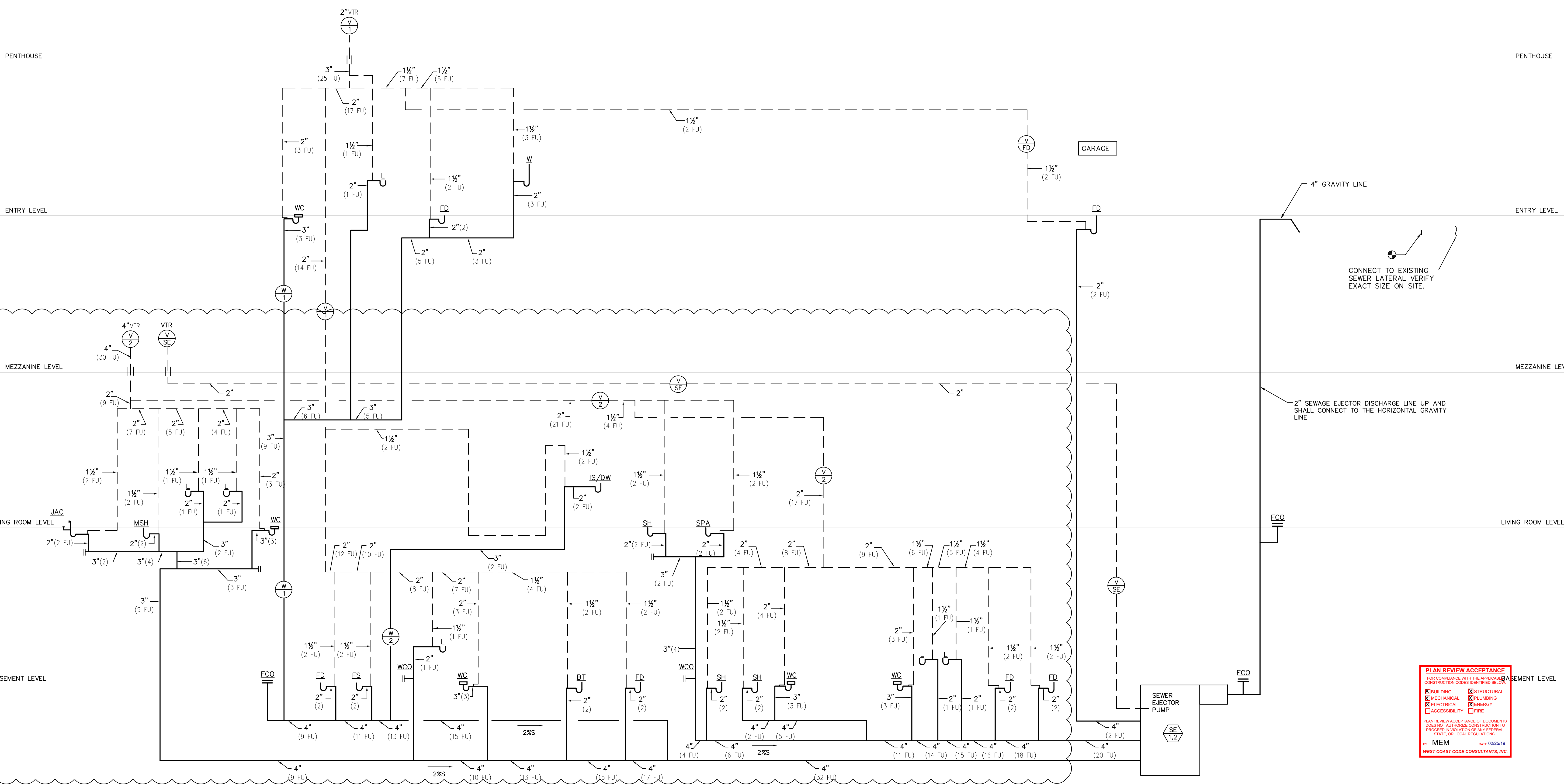
ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2404 WILSHIRE BLVD., SUITE 40 LOS ANGELES, CA 90067 (213) 674-7228 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>5217 7TH STREET LOS ANGELES, CA 90014 (213) 627-8887 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN CIVIL CONSULTANTS <small>5217 SOUTH STREE STREET MURRAY, UT 84017 (801) 743-1303 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM ENGINEERING CONSULTANTS INC. <small>5530 CORBIN AVE., SUITE 300 TAZARMA, CA 91356 (818) 788-8778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>GLENDALE, CA (120) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84102 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1295</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1295 WWW.KGMLIGHTING.COM</small>
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RISER DIAGRAM

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			DRAWN: G.F.
			SHEET: P8.1



CONNECT TO EXISTING SEWER LATERAL VERIFY EXACT SIZE ON SITE.

2" SEWAGE EJECTOR DISCHARGE LINE UP AND SHALL CONNECT TO THE HORIZONTAL GRAVITY LINE

PLAN REVIEW ACCEPTANCE
 FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW:

- BUILDINGS
- MECHANICAL
- ELECTRICAL
- ACCESSIBILITY
- STRUCTURAL
- PLUMBING
- ENERGY
- FIRE

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BY: MEM DATE: 02/25/19
 WEST COAST CODE CONSULTANTS, INC.

POWDER MOUNTAIN HOUSE

OWNER:
TOM BUTTGENBACH
 8845 EASET COPPER CREST
 EDEN, UT 84310

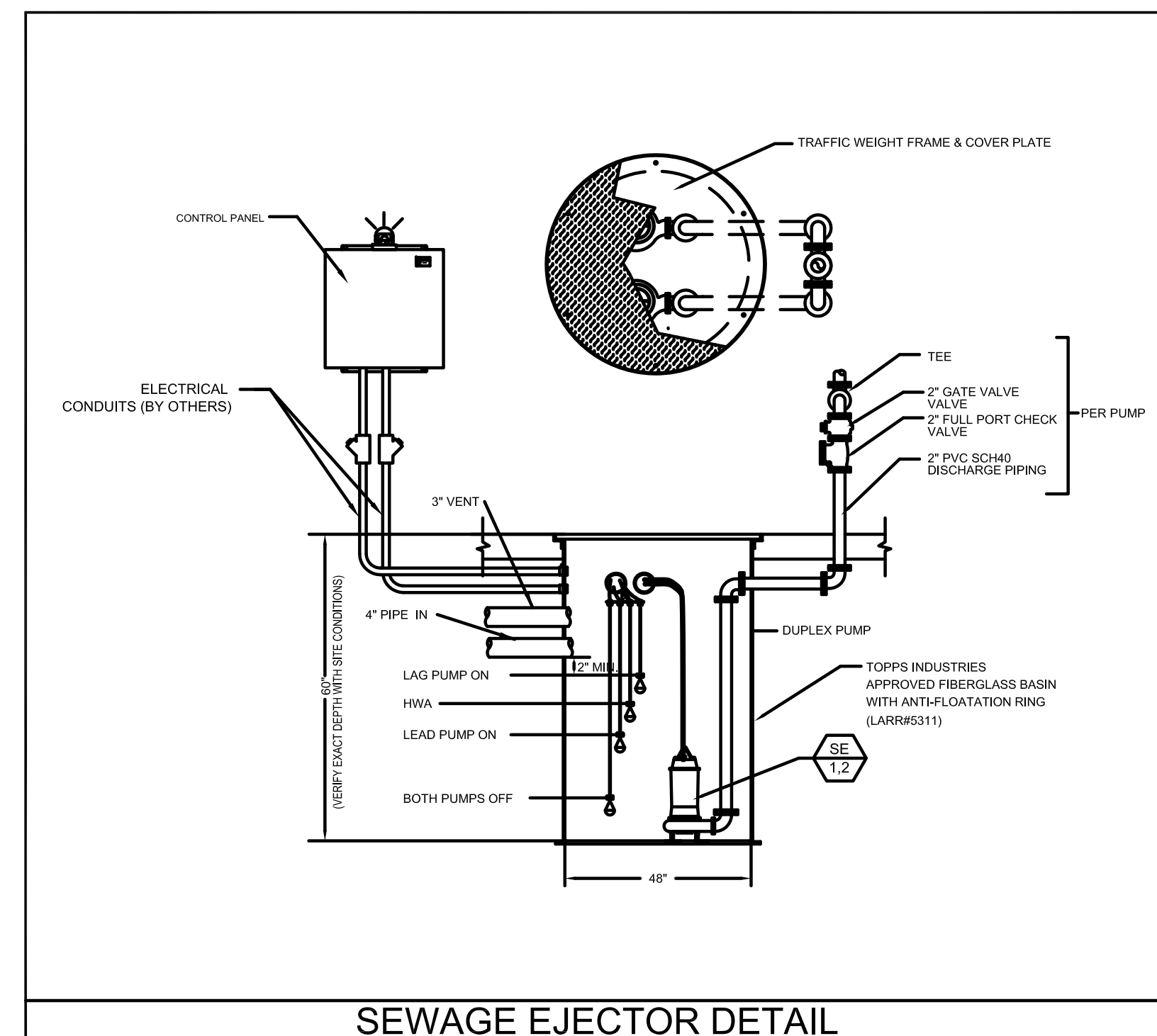
ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2404 WILSHIRE BLVD, SUITE 40 LOS ANGELES, CA 90067 (213) 674-7238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-8887 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>5217 SOUTH SHORE STREET MIRAMAR, UT 84017 (801) 743-1303 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5530 CORBIN AVE, SUITE 300 TAZARMA, CA 91356 (818) 788-8778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>GLENDALE, CA (120) 458-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 538-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84105 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1285</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1285 WWW.KGMLIGHTING.COM</small>
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RISER DIAGRAM

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			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET:
			P8.2



SEWAGE EJECTOR DETAIL

SEWAGE EJECTOR CALCULATION

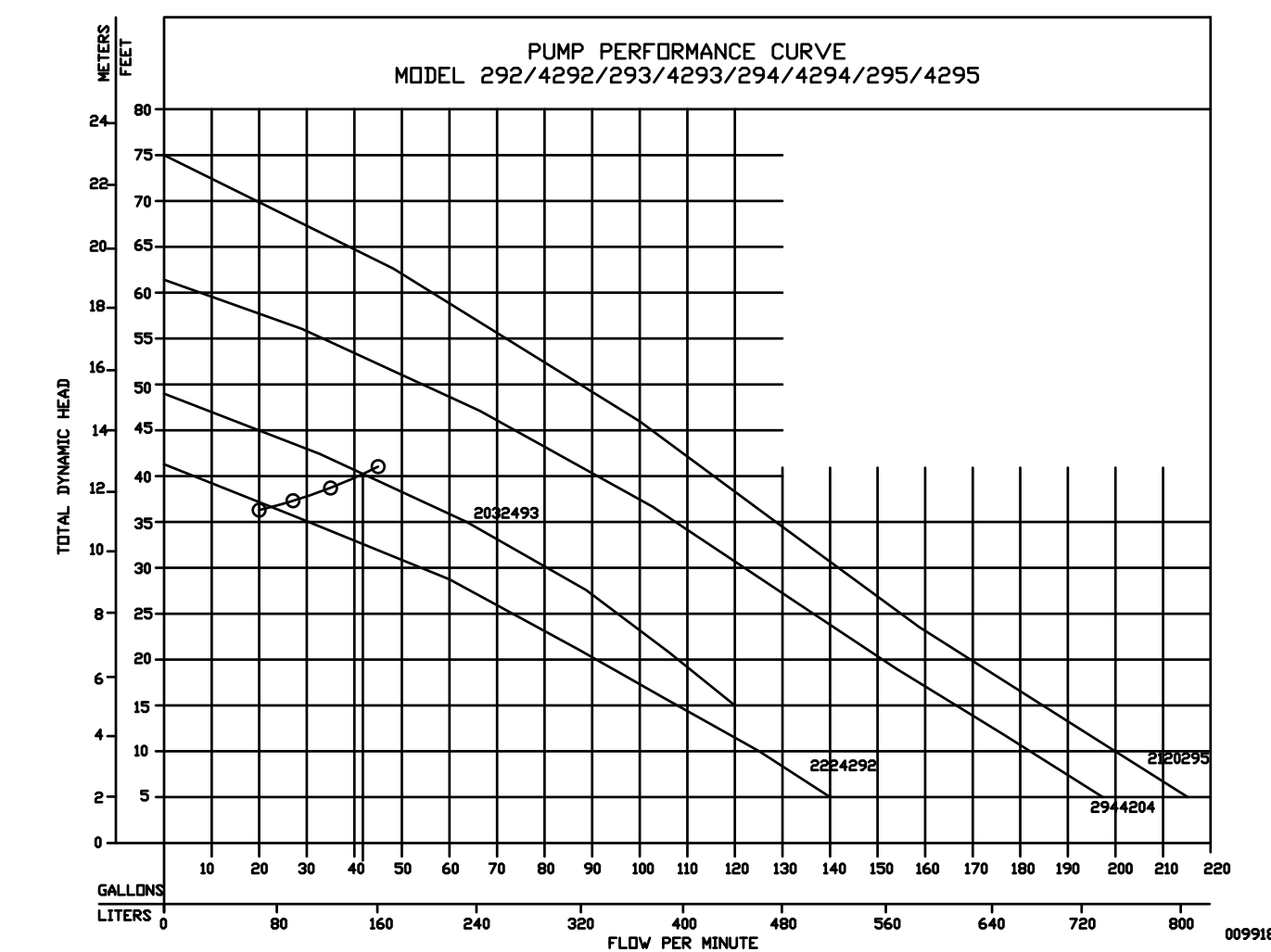
Project: POWDER MOUNTAIN

FLOWS INTO SEWAGE EJECTOR		
Water Closet	Number	Fixture Units
Lavatory	6	3
Shower	5	2
Floor Drain	6	2
Washer	1	3
Laundry Sink	0	2
Floor Sink	1	2
Bar Sink	0	1
Tub	2	2
Dish Washer	1	2
Total	54	FU
Use	27	GPM

CALCULATION OF EQUIVALENT LENGTH			
Diameter of fittings (in)	1/4 Bent (45°) (ft.)	1/2 Bent (90°) (ft.)	Gate Valve (ft.)
2"	4	7	1.3
3"	6	10	2
4"	8	14	2.7
6"	12	20	4

	Number	Loss (Ft)
1/4 Bent (45°)	4	16
1/2 Bent (90°)	5	35
Gate Valve	1	1.3
Backwater Valve	1	11
Developed Pipe Length		90
Total Equivalent Length (L)		153.3

CALCULATION OF SYSTEM CURVE				
L (ft.)	d (in)	C (PVC SCH40)	h _{static} (ft.)	
153	2	150	35	
Q (GPM)	20	27	35	45
h _f	1.325	2.309	3.732	5.940
h _{total}	36.3	37.3	38.7	40.9



PLAN REVIEW ACCEPTANCE
 FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW

BUILDINGS STRUCTURAL
 MECHANICAL PLUMBING
 ELECTRICAL ENERGY
 ACCESSIBILITY FIRE

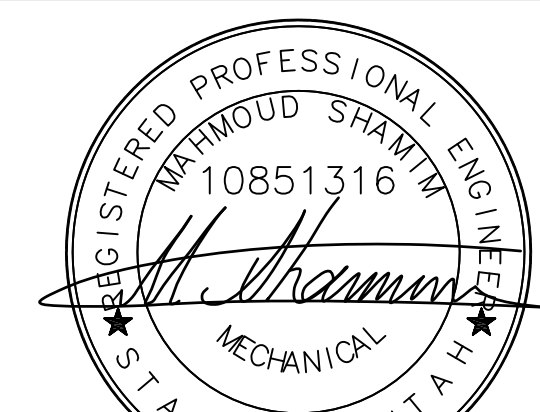
PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, OR LOCAL REGULATIONS.

BY: MEM DATE: 02/25/19
 WEST COAST CODE CONSULTANTS, INC.

POWDER MOUNTAIN HOUSE

OWNER:
TOM BUTTGENBACH
 8845 EASET COPPER CREST
 EDEN, UT 84310

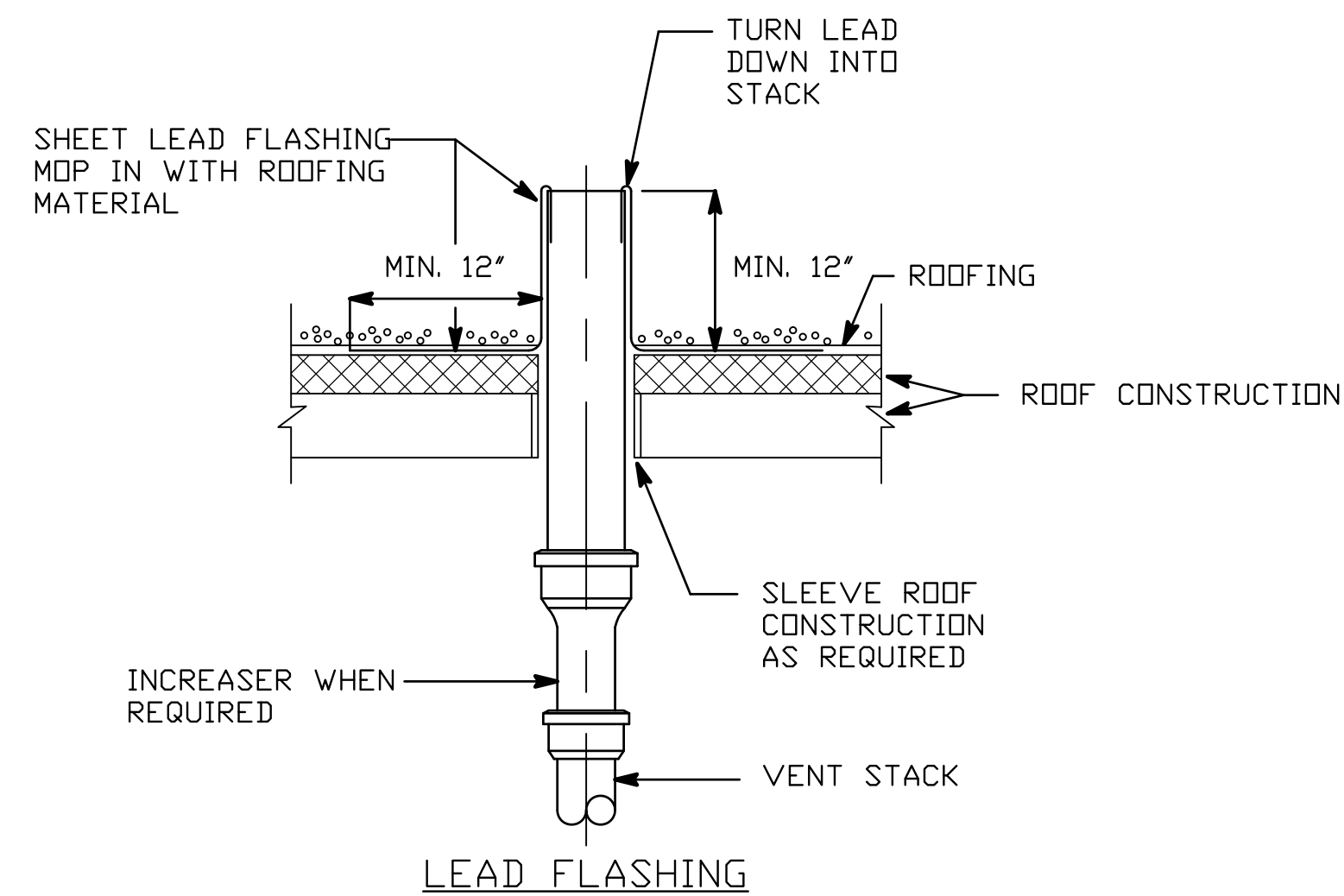
ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2404 WILSHIRE BLVD., SUITE 40 LOS ANGELES, CA 90067 (213) 674-7238 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>527 W 7TH STREET LOS ANGELES, CA 90014 (213) 627-8867 WWW.NOUSENGINEERING.COM</small>	CIVIL ENGINEER: TALISMAN <small>5217 SOUTH STATE STREET MIRAMONTE, UT 84107 (801) 743-1300 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM <small>5500 CORBIN AVE., SUITE 300 TAZARMA, CA 91356 (818) 788-8778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>GLENDALE, CA (120) 459-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 538-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST SUITE 10 SALT LAKE CITY, UT 84106 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1255 WWW.KGMLIGHTING.COM</small>
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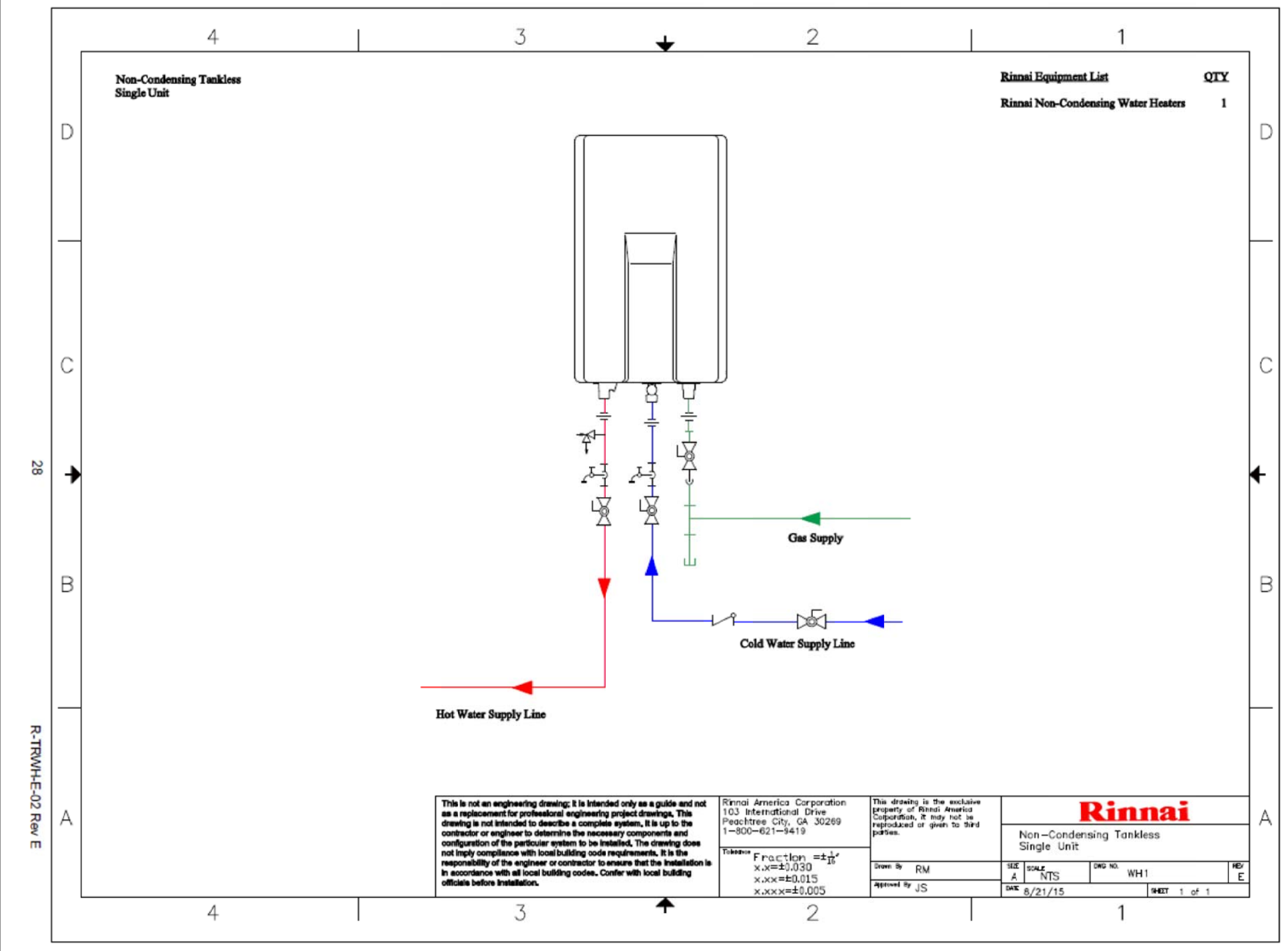
SEWAGE EJECTOR DETAIL SHEET

REVISIONS:	BY:	DATE:	DATE:
			02/15/2019
			SCALE: AS SHOWN
			DRAWN: G.F.
			SHEET:
			P8.3



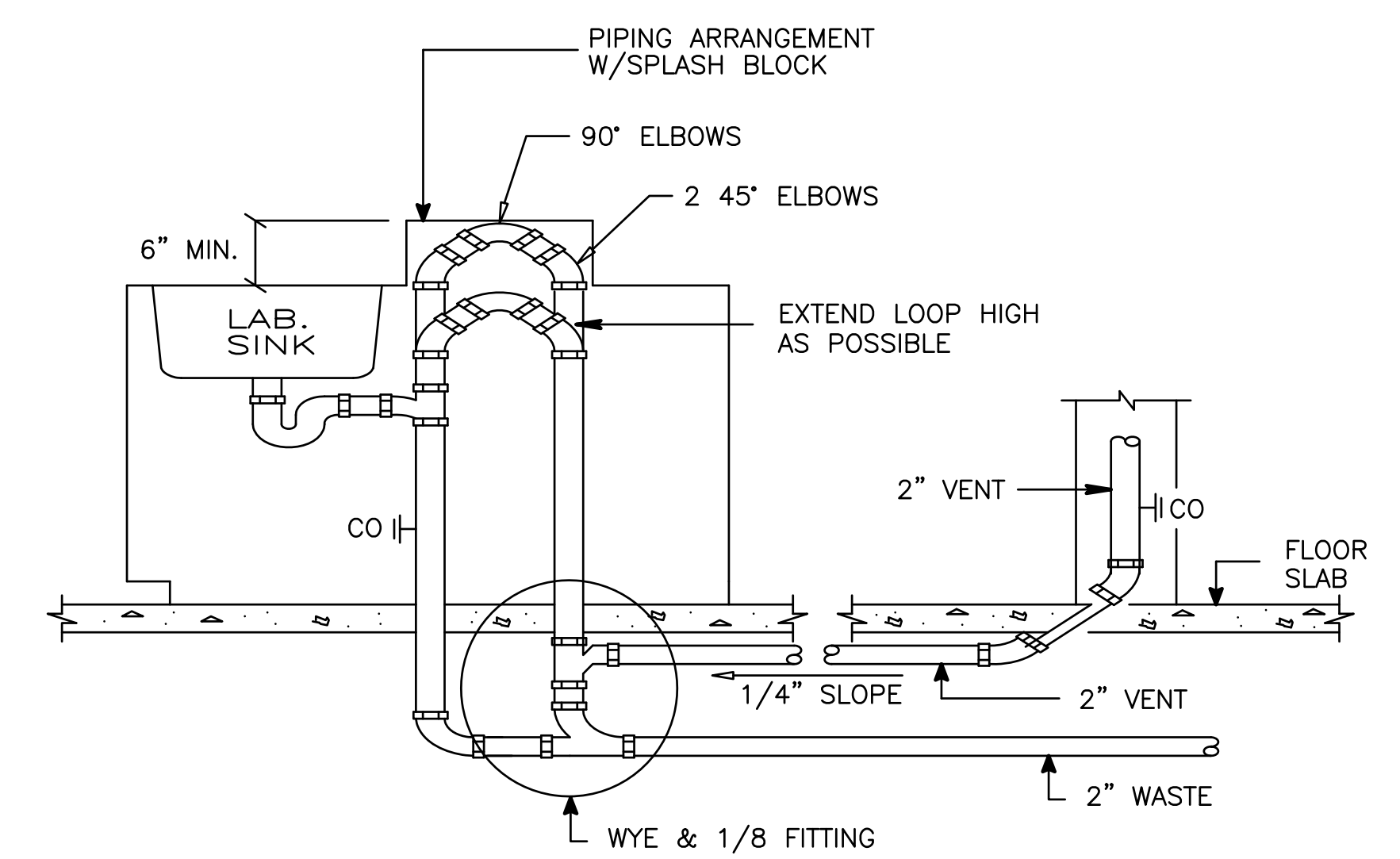
PIPE THRU ROOF DETAIL

SCALE NONE A



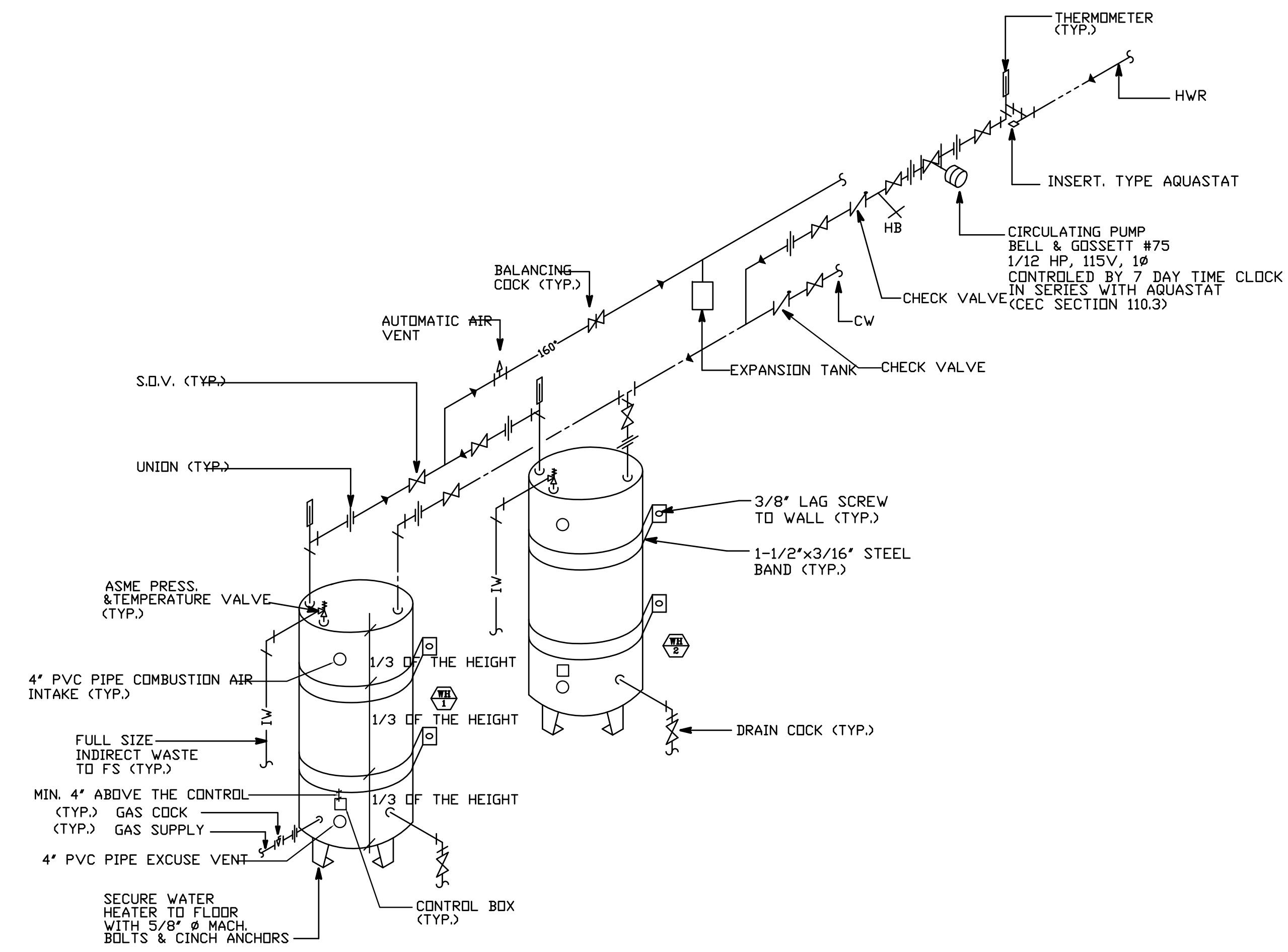
WATER HEATER # 3 DETAIL

SCALE NONE B



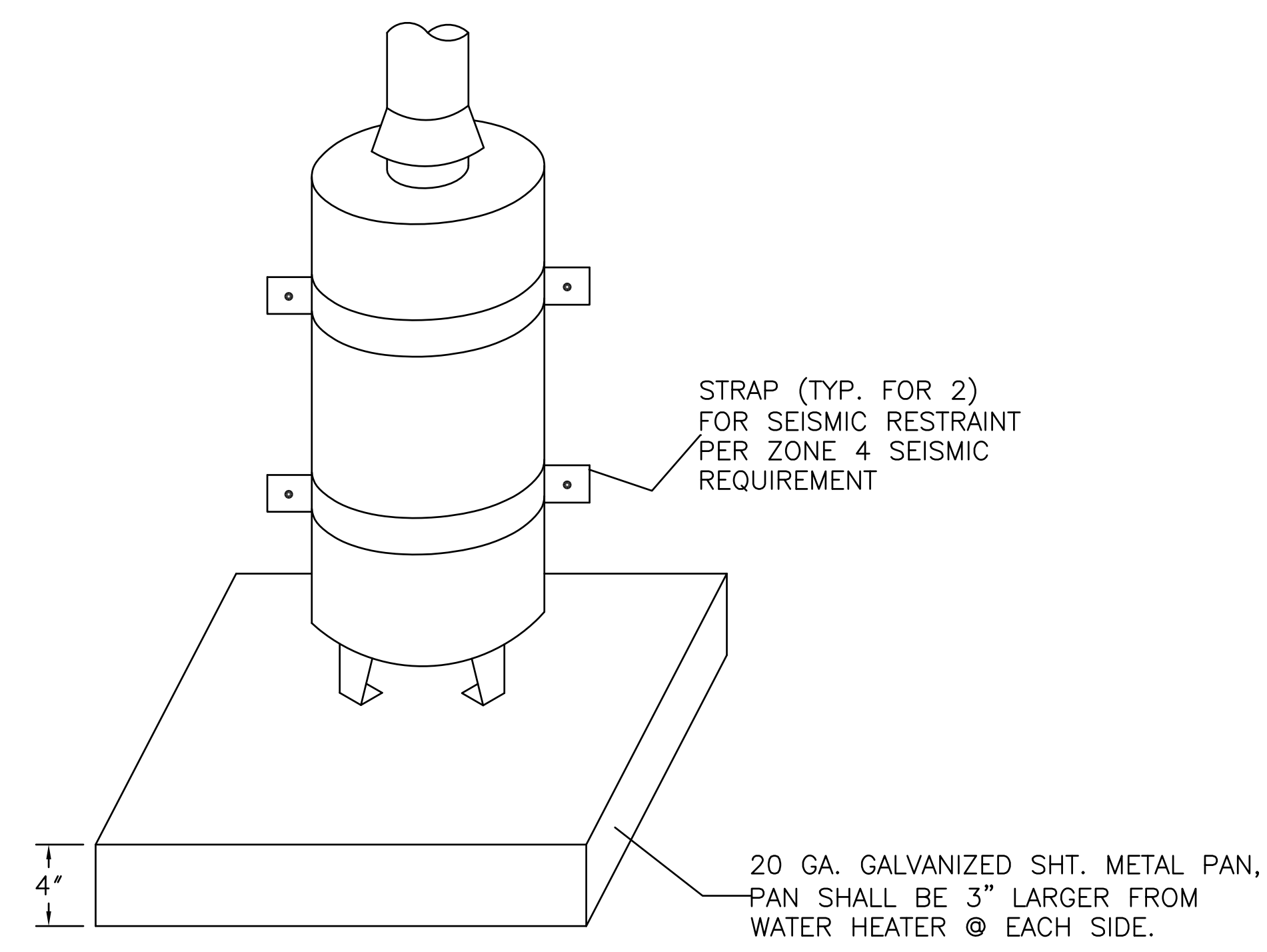
ISLAND WASTE & VENT PIPING DETAIL

SCALE NONE C



DIRECT VENT WATER HEATER DETAIL # 1 & 2

SCALE NONE D



WATER HEATER # 1 & 2 SUPPORT DETAIL

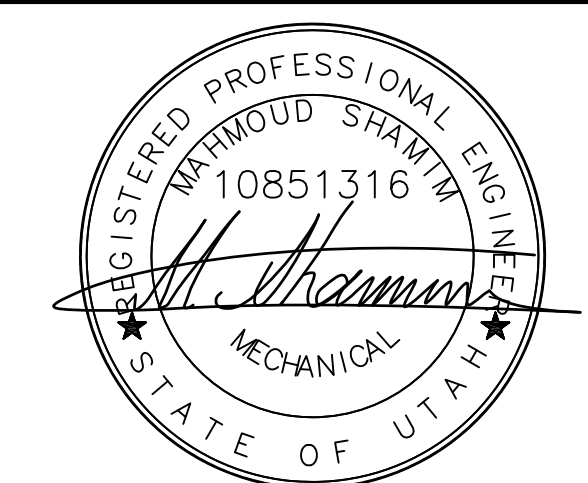
SCALE NONE E

PLAN REVIEW ACCEPTANCE
 FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW
 BUILDING STRUCTURAL
 MECHANICAL PLUMBING
 ELECTRICAL ENERGY
 ACCESSIBILITY FIRE
 PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, OR LOCAL REGULATIONS.
 BY: MEM DATE: 02/25/19
 WEST COAST CODE CONSULTANTS, INC.

POWDER MOUNTAIN HOUSE

OWNER:
TOM BUTTGENBACH
 8845 EASET COPPER CREST
 EDEN, UT 84310

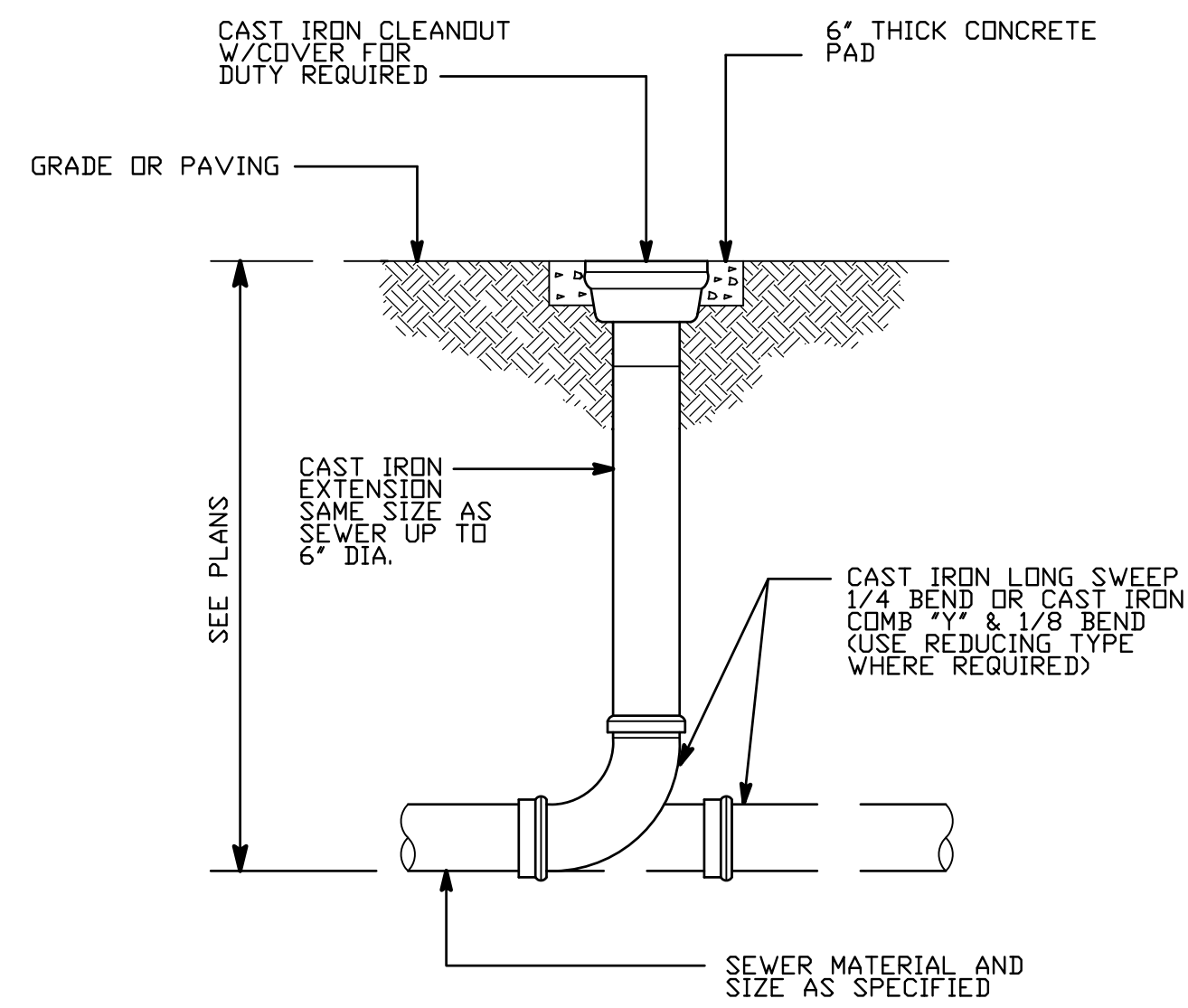
ARCHITECT: TOM WISCOMBE ARCHITECTURE 2404 WILSHIRE BLVD, SUITE 40 LOS ANGELES, CA 90057 (213) 874-7228 WWW.TOMWISCOMBE.COM	STRUCTURAL ENGINEER: NOUS 5217 W 7TH STREET LOS ANGELES, CA 90014 (213) 827-8887 WWW.NOUSENGINEERING.COM	CIVIL ENGINEER: TALISMAN CIVIL CONSULTANTS 5217 SOUTH STREE STREET MURRAY, UT 84107 (801) 743-1300 WWW.TALISMANCIVIL.COM	MECHANICAL / PLUMBING: SHAMIM ENGINEERING CONSULTANTS INC. 5500 CORBIN AVE, SUITE 300 TAZARMA, CA 91306 (818) 788-8778 WWW.SHAMIMENGINEERING.COM	ELECTRICAL: ABRARI ENGINEERING GLENDALE, CA (323) 458-7894 WWW.ABRARI.COM	NGBS CONSULTING: ARGENTO/GRAHAM 811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 538-2578 WWW.ARGENTOGRAHAM.COM	GEOTECHNICAL: IGES 2702 SOUTH 10300 WEST SUITE 10 SALT LAKE CITY, UT 84120 (801) 270-9400 WWW.IGESINC.COM	LANDSCAPE ARCHITECT: LDG 328 W 200 S SUITE 102 SALT LAKE CITY, UT 84111 (801) 583-1295	LIGHTING DESIGNER: KGM 328 W 200 S SUITE 102 SALT LAKE CITY, UT 84111 (801) 583-1295 WWW.KGMLIGHTING.COM
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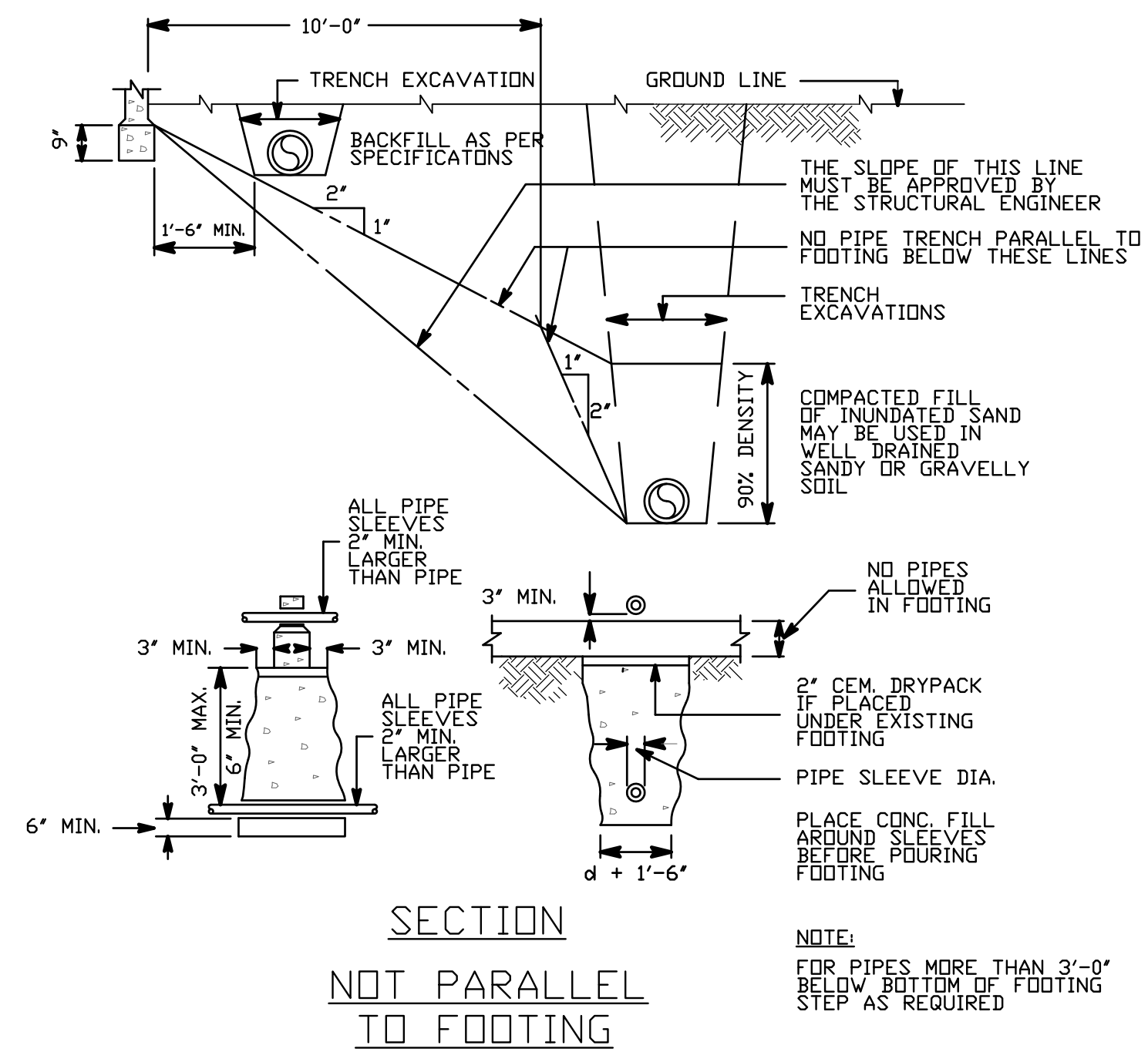
RISER DIAGRAM

REVISIONS:	BY:	DATE:	DATE:
			02/15/2019
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			DRAWN: G.F.
			SHEET:
			P9.0



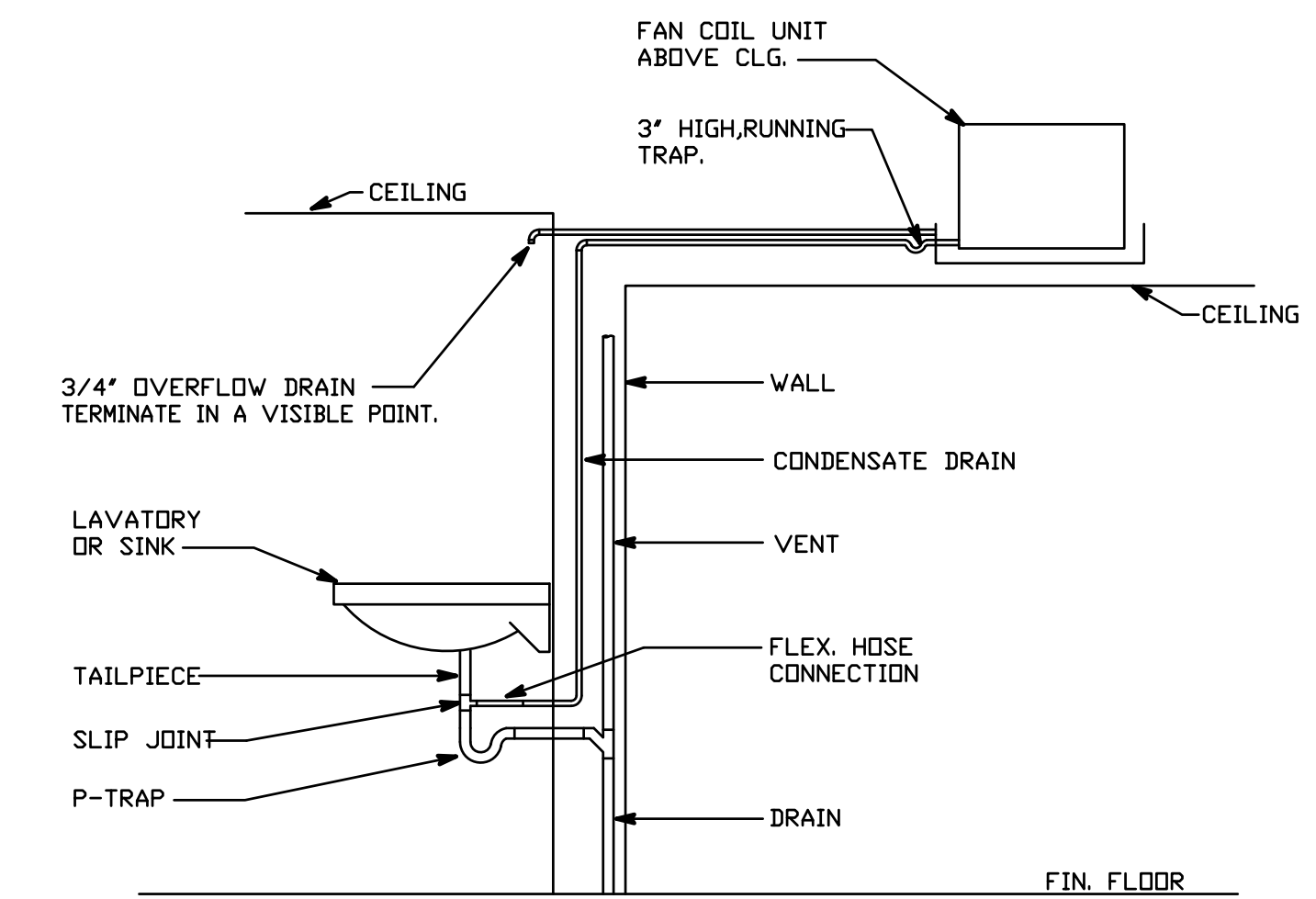
FLOOR CLEANOUT DETAIL

SCALE NONE A



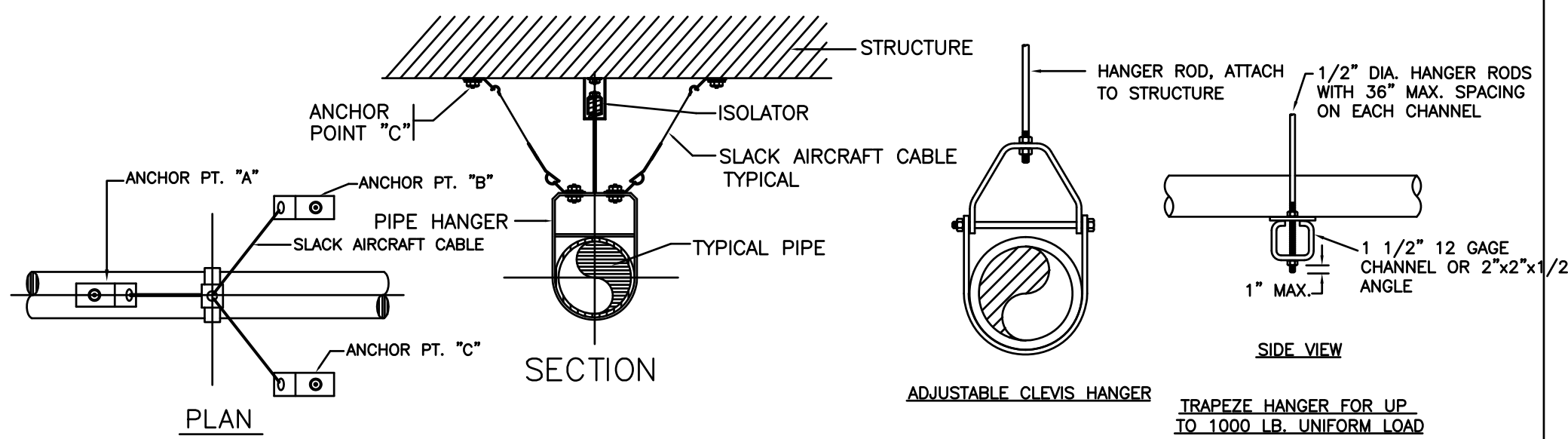
PIPING DETAIL AT FOOTING

SCALE NONE B

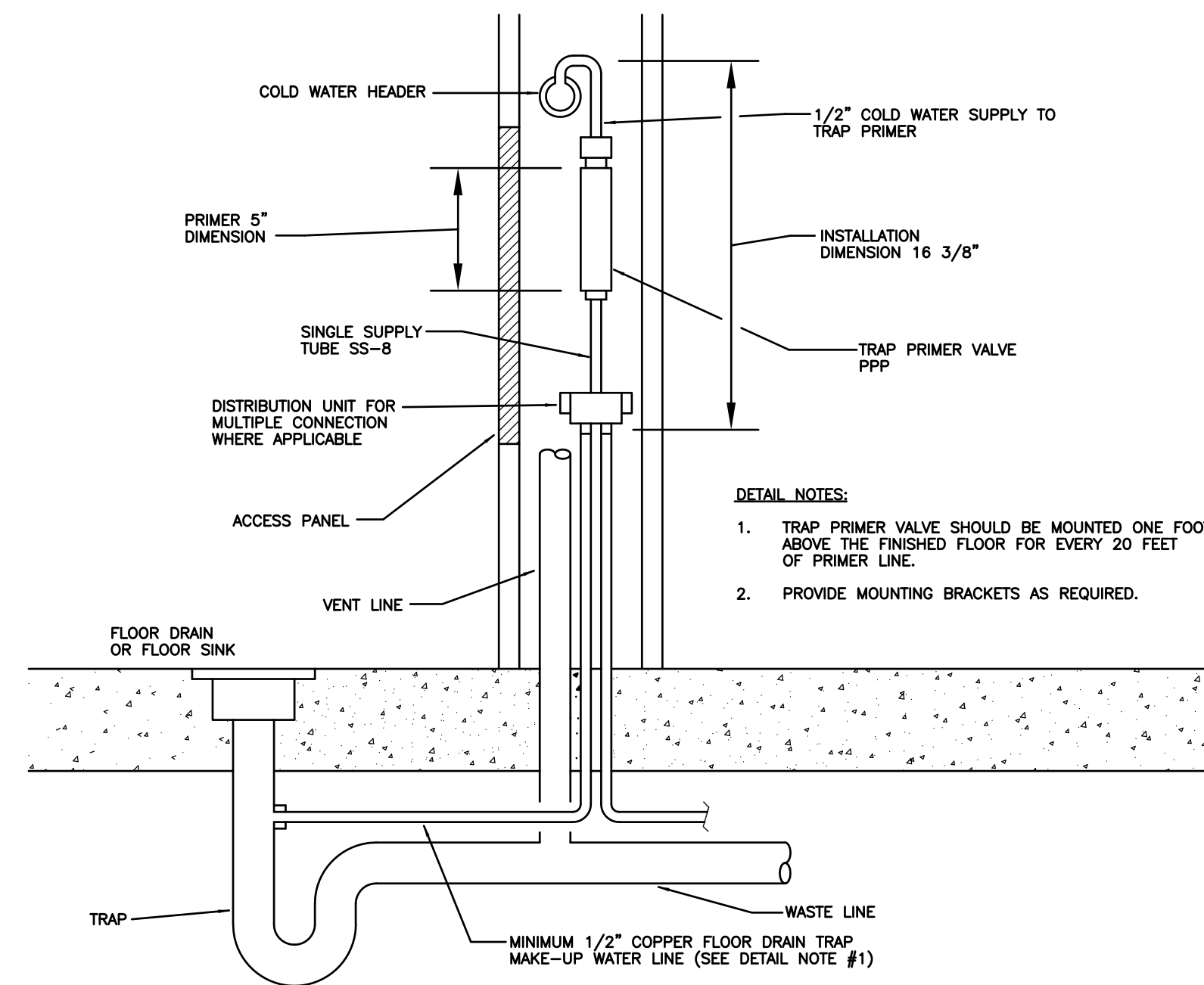


CONDENSATE DRAIN DETAIL

SCALE NONE C

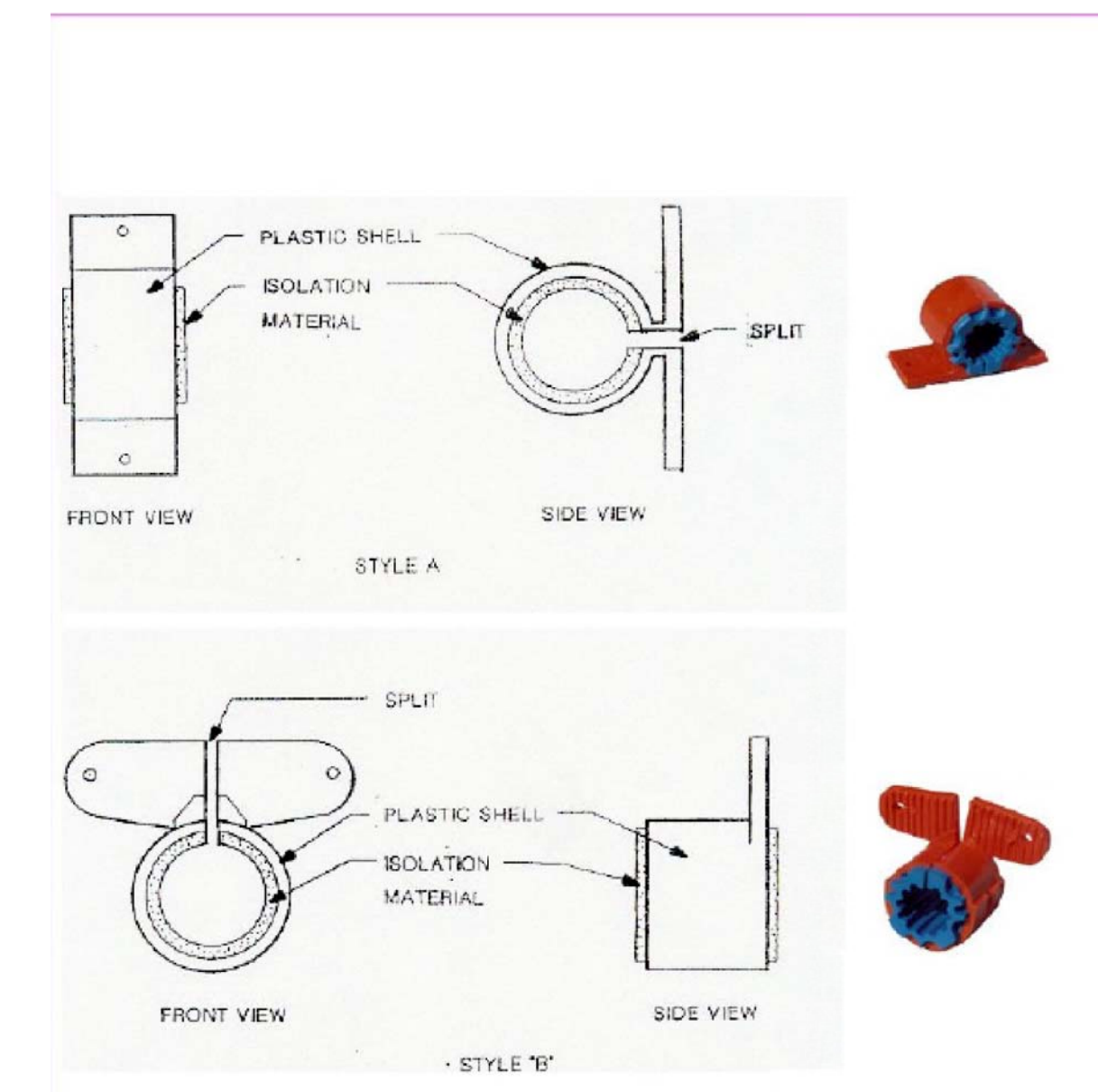


SEISMIC BRACING PIPE HANGER DETAIL



TRAP PRIMER INSTALLATION DETAIL

SCALE NONE D



SINGLE PIPE SUPPORT DETAIL

SCALE NONE E

PLAN REVIEW ACCEPTANCE
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ARCHITECT: TOM WISCOMBE ARCHITECTURE <small>2404 WILSHIRE BLVD., SUITE 40 LOS ANGELES, CA 90004 (213) 674-7228 WWW.TOMWISCOMBE.COM</small>	STRUCTURAL ENGINEER: NOUS <small>5217 SOUTH STREE STREET MURRAY, UT 84017 (801) 743-1300 WWW.TALISMANCIVIL.COM</small>	CIVIL ENGINEER: TALISMAN CIVIL CONSULTANTS <small>5217 SOUTH STREE STREET MURRAY, UT 84017 (801) 743-1300 WWW.TALISMANCIVIL.COM</small>	MECHANICAL / PLUMBING: SHAMIM ENGINEERING CONSULTANTS <small>5500 CORBIN AVE., SUITE 300 TAZARMA, CA 90266 (818) 788-6778 WWW.SHAMIMENGINEERING.COM</small>	ELECTRICAL: ABRARI ENGINEERING <small>GLENDALE, CA (714) 456-7894 WWW.ABRARI.COM</small>	NGBS CONSULTING: ARGENTO/GRAHAM <small>811 WEST 7TH STREET, 10TH FLOOR LOS ANGELES, CA 90017 (323) 536-2578 WWW.ARGENTOGRAHAM.COM</small>	GEOTECHNICAL: IGES <small>2702 SOUTH 1030 WEST QUITE 10 SALT LAKE CITY, UT 84020 (801) 270-9400 WWW.IGESINC.COM</small>	LANDSCAPE ARCHITECT: LDG <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1295</small>	LIGHTING DESIGNER: KGM <small>328 W 200 S SUITE 102 SALT LAKE CITY, UT 84101 (801) 583-1295 WWW.KGMLIGHTING.COM</small>
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