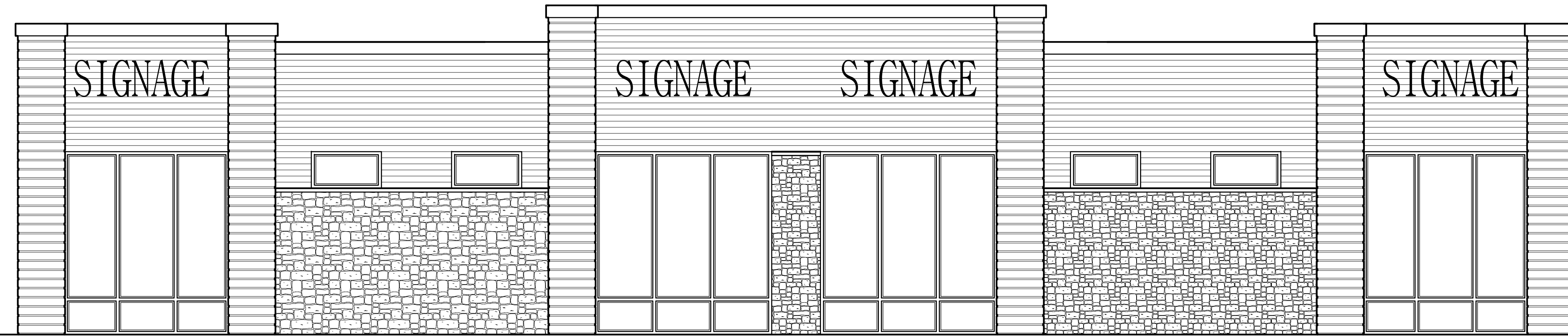


# WILCOX RETAIL STRIP CENTER

OGDEN, UT



ARCHITECT



**ARCHITECTS**

(801) 392-6882  
1708 E. 5550 S. #20  
SOUTH OGDEN, UT

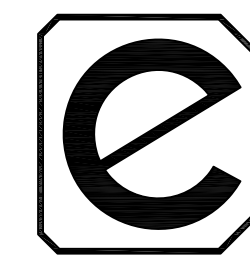
PROJECT MANAGER  
**JASON R. BALL**

STRUCTURAL  
ENGINEERING



(801) 927-2054  
365 WEST 1550 NORTH, SUITE D  
LAYTON, UT 84041

MECHANICAL &  
ELECTRICAL ENGINEER



**DC ENGINEERING, INC.**  
CONSULTING ENGINEERS  
2688 South 4050 West Ogden, Utah 84401  
(801) 388-3920 • Fax (801) 732-9229

**LIST OF DRAWINGS**

CONSTRUCTION DRAWINGS

C	COVER SHEET
A1	FLOOR PLAN & SCHEDULES
A2	EXTERIOR BUILDING ELEVATIONS
A3	WALL SECTIONS
A4	ROOF PLAN
M1	MECHANICAL PLAN & DETAILS
P1	PLUMBING PLAN & DETAILS
E1	ELECTRICAL PLAN & DETAILS
S001	STRUCTURAL GENERAL NOTES
S002	STRUCTURAL DETAILS
S101	FOUNDATION PLAN
S201	ROOF FRAMING PLAN
S301	SHEAR WALL PLAN
S501	STRUCTURAL DETAILS

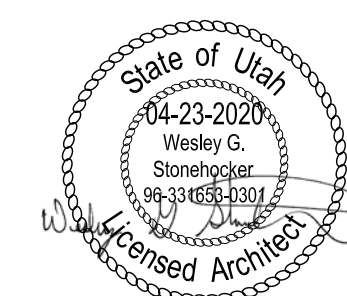
BUILDING DESIGN CODES

2018 INTERNATIONAL BUILDING CODE  
2018 INTERNATIONAL PLUMBING CODE  
2018 INTERNATIONAL MECHANICAL CODE  
2018 INTERNATIONAL FUEL GAS CODE  
2017 NATIONAL ELECTRICAL CODE  
2018 INTERNATIONAL FIRE CODE  
2015 INTERNATIONAL ENERGY CONSERVATION CODE  
1997 UNIFORM CODE FOR BUILDING CONSERVATION  
ICC - A117.1 - 2009

BUILDING CODE ANALYSIS

BUILDING OCCUPANCY	M
CONSTRUCTION TYPE	VB
BUILDING HEIGHT	1 FLOOR / 18'-0"
FIRE SUPPRESSION	NO
BUILDING FOOT PRINT	5,307 SF TOTAL
TABLE 503 FOR 'S-1' - ALLOWABLE HEIGHT - BASE ALLOWABLE AREA	1 FLOOR / 40 FEET 9,000 BASE ALLOWABLE
FIRE RESISTANCE RATING TABLE 601 - STRUCTURAL FRAMING - EXTERIOR BEARING - INTERIOR BEARING - NONBEARING WALLS - FLOOR CONSTRUCTION - ROOF CONSTRUCTION	0 HOUR 0 HOUR 0 HOUR 0 HOUR 0 HOUR 0 HOUR

<b>COVER SHEET</b>		<b>C</b>
<b>RIDGELINE DESIGN</b> ARCHITECTS 1708 E. 5550 S. #20 SOUTH OGDEN, UT 84403 Phone 801-392-6882 Fax 801-621-1494	date: 02-20-20 job no: 1838 revision: 04-23-20 project: <b>WILCOX RETAIL STRIP CENTER</b> OGDEN, UT	



DOOR & HARDWARE SCHEDULE							
DOOR				FRAME			MISC.
No.	TYPE	LEAFS	SIZE	TYPE	HARDWARE	THRESHOLD	FIRE RATING
1	ALUM. STOREFRONT (DETAIL SHEET)	1	3'-0" X 7'-0"	ALUMINUM (16'-0" X 10'-0" STOREFRONT SYSTEM)	PUSH / PULL	ALUM.	NONE
2	ALUM. STOREFRONT (DETAIL SHEET)	1	3'-0" X 7'-0"	ALUMINUM (12'-10" X 10'-0" STOREFRONT SYSTEM)	PUSH / PULL	ALUM.	NONE
3	INSULATED METAL O.H.D.		12'-0" X 12'-0"	INSULATED METAL O.H.D.	W/ OPERATORS	WEATHER STRIP	NONE
4							
5							

WINDOW SCHEDULE						
No.	TYPE	FRAME	SIZE	GLASS	SILL	REMARKS
A	FIXED	ALUM. STOREFRONT	3'-10" X 2'-0"	1" INSULATED CLEAR	NONE	SEE STOREFRONT DETAIL
B	FIXED	ALUM. STOREFRONT	4'-0" X 10'-0"	1" INSULATED CLEAR	NONE	SEE STOREFRONT DETAIL

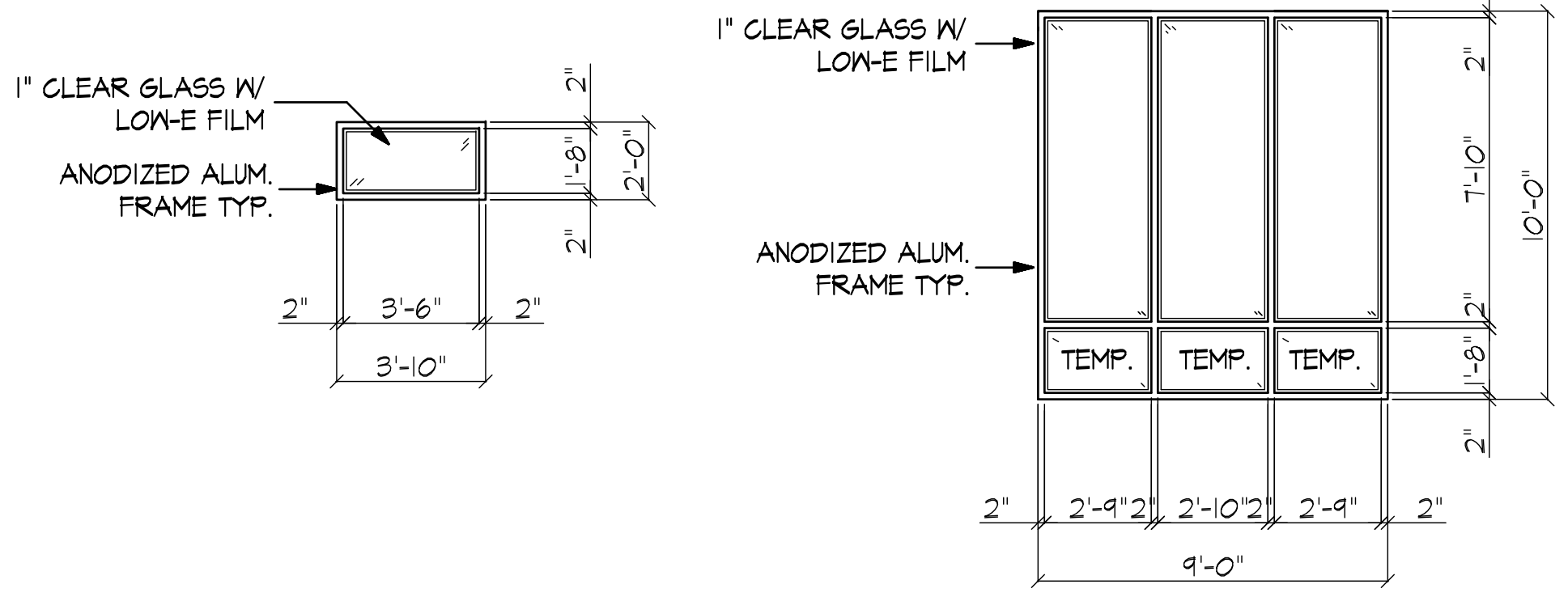
ALL EXTERIOR WINDOWS TO HAVE A MAX. U-VALUE OF 0.36 AND BE TESTED IN ACCORDANCE W/ NFRC 100 AND LABELED BY MANUFACTURER

**DOOR NOTES:**  
 1. PROVIDE SIGN ON DOOR "THIS DOOR MUST REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED"  
 2. INSTALL FLASHING AND CAULKING AROUND DOORS AND STOREFRONT SYSTEMS AS PER MANUFACTURER'S RECOMMENDATIONS.  
 3. ALL STOREFRONT GLASS TO HAVE A .36 UFACTOR  
 4. ALL OVERHEAD DOORS TO HAVE A MIN. R VALUE OF 3.21  
 5. ALL DOOR HARDWARE TO BE MOUNTED BETWEEN 36"-48" A.F.F.  
 6. DOOR HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE THE DOOR. AS PER IBC 1008.1.9.1  
 7. WITH 4-1/2" BALL BEARING HINGES

**WALL TYPES LEGEND**

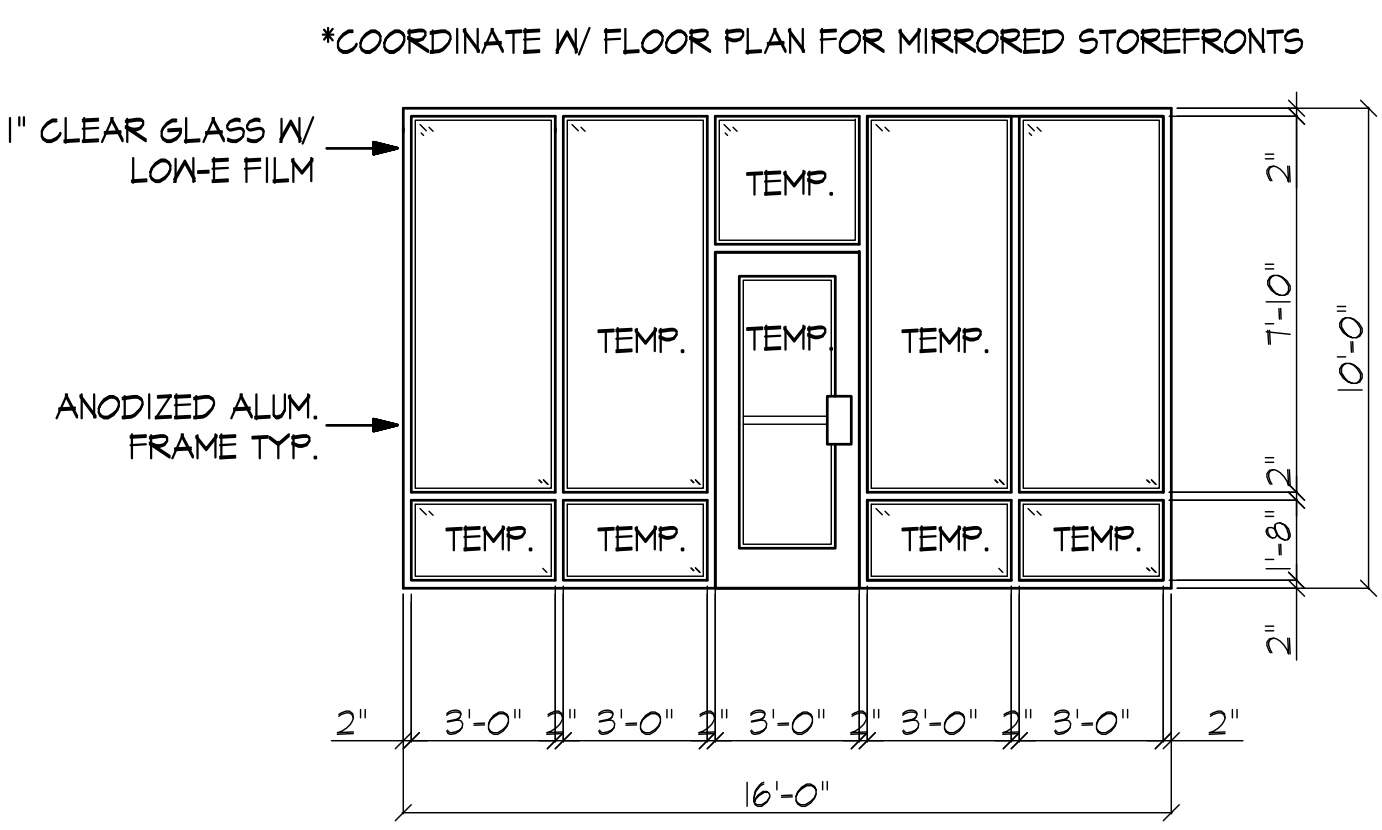
5/8" GYP. BOARD INSIDE, SYNTHETIC ROCK & WOOD SIDING OVER 7/16" OSB OUTSIDE OVER 2X6 WOOD STUDS @ 16" O.C. W/ R-19 FULL BATT. INSULATION

INSIDE WALL: 5/8" GYP. BOARD INSIDE, OVER 2X6 WOOD STUDS @ 16" O.C. W/ R-19 FULL BATT. INSULATION & 7/16" OSB  
 OUTSIDE WALL: 2X6 WOOD STUDS @ 16" O.C. W/ ALUMINUM SIDING OVER VAPOR BARRIER & 7/16" OSB

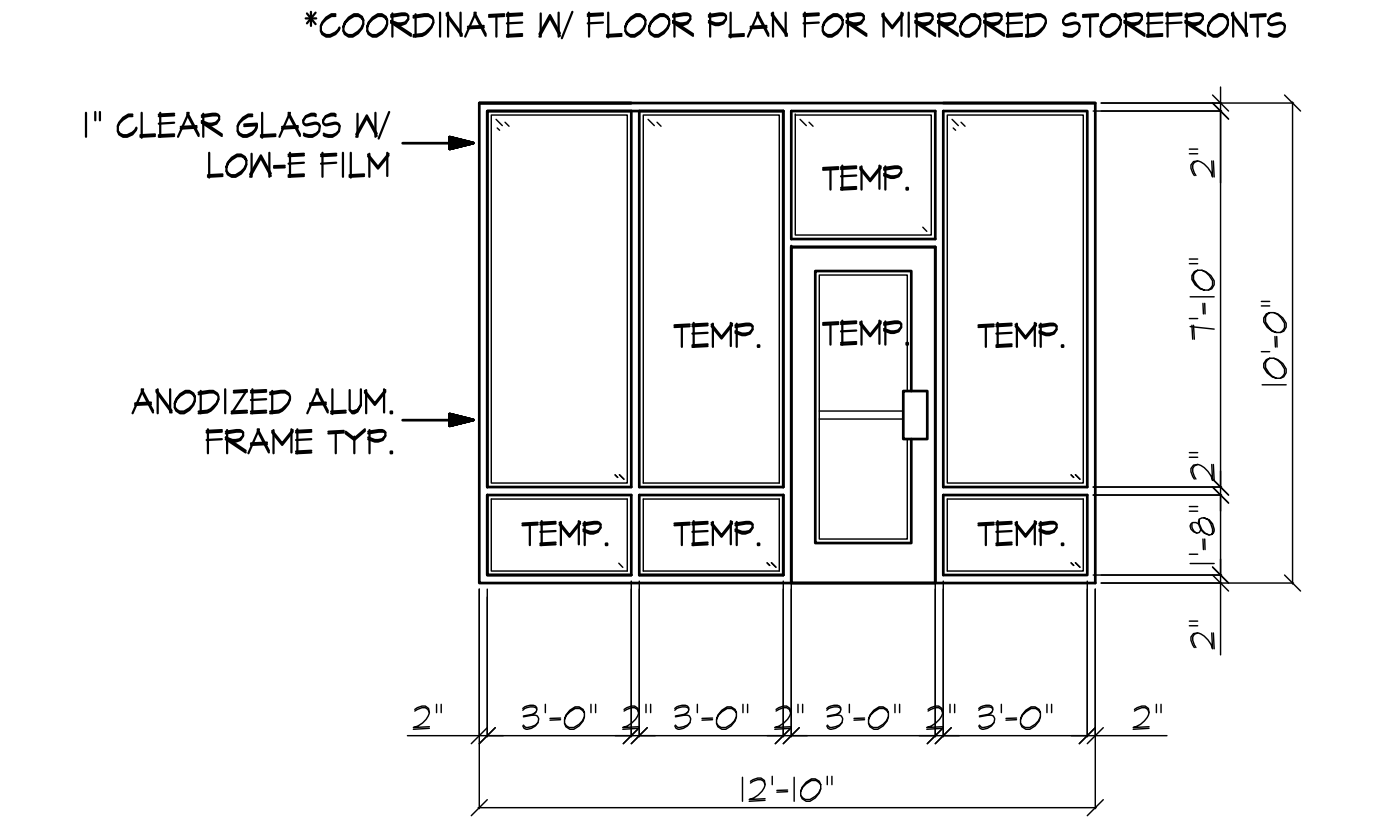


**WINDOW ELEVATION 'A'**  
 1/4" = 1'-0"

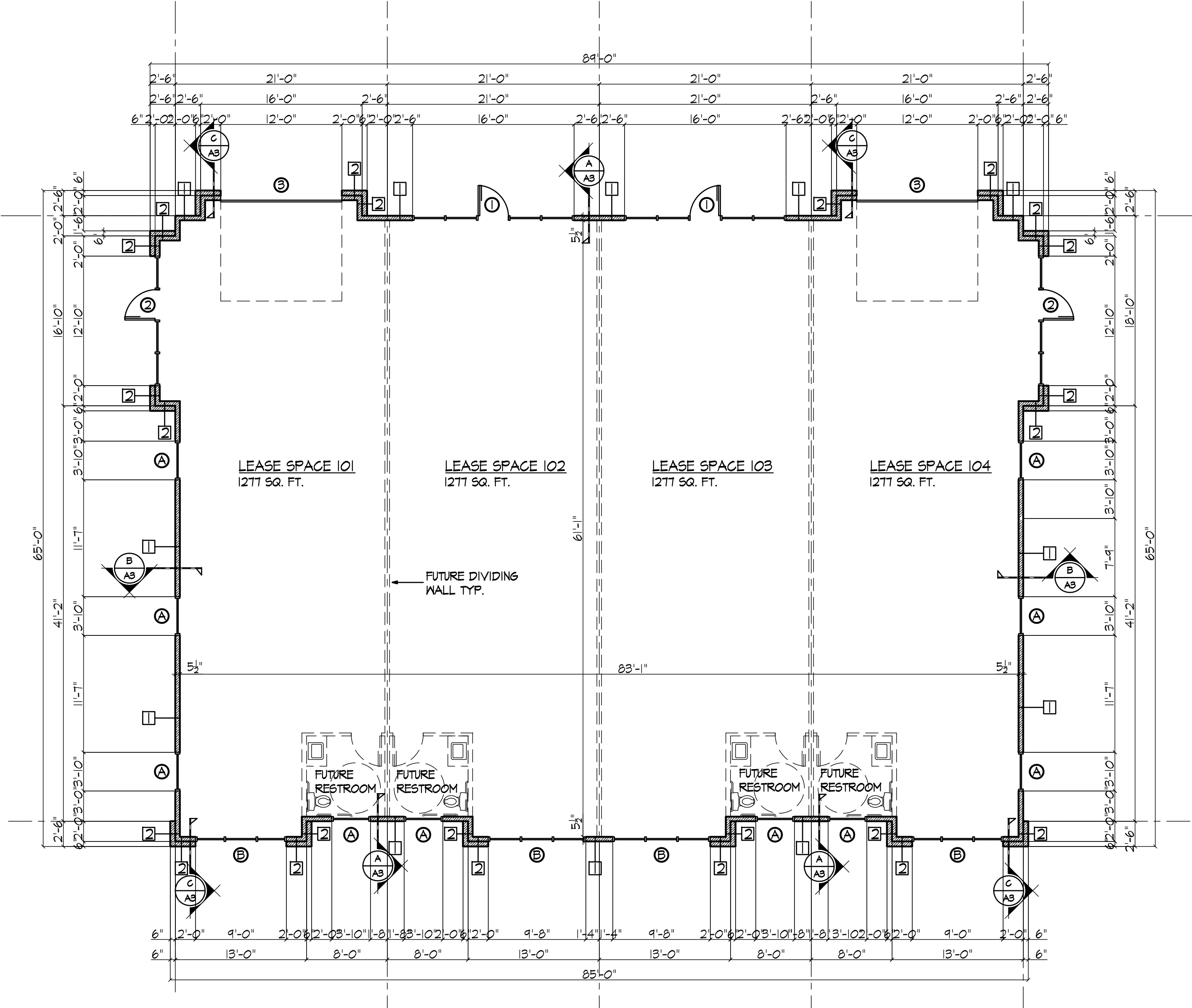
**WINDOW ELEVATION 'B'**  
 1/4" = 1'-0"



**DOOR ELEVATION '1'**  
 1/4" = 1'-0"



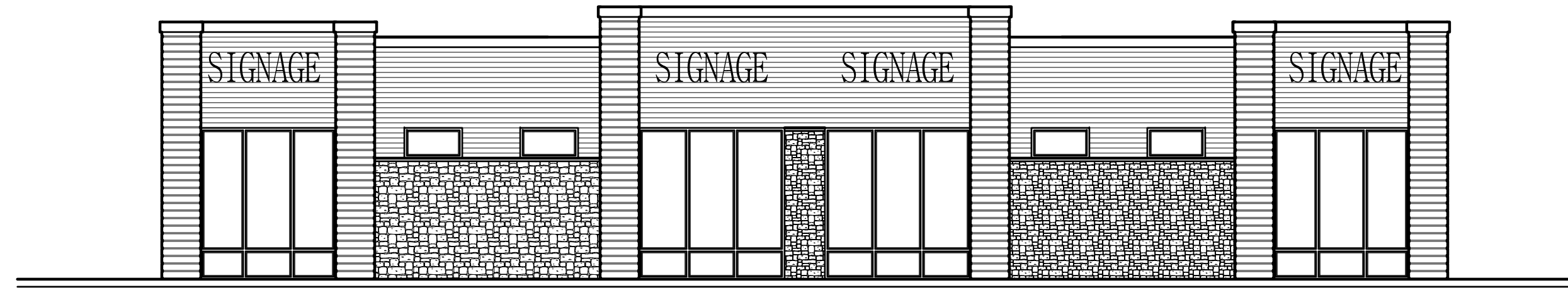
**DOOR ELEVATION '2'**  
 1/4" = 1'-0"



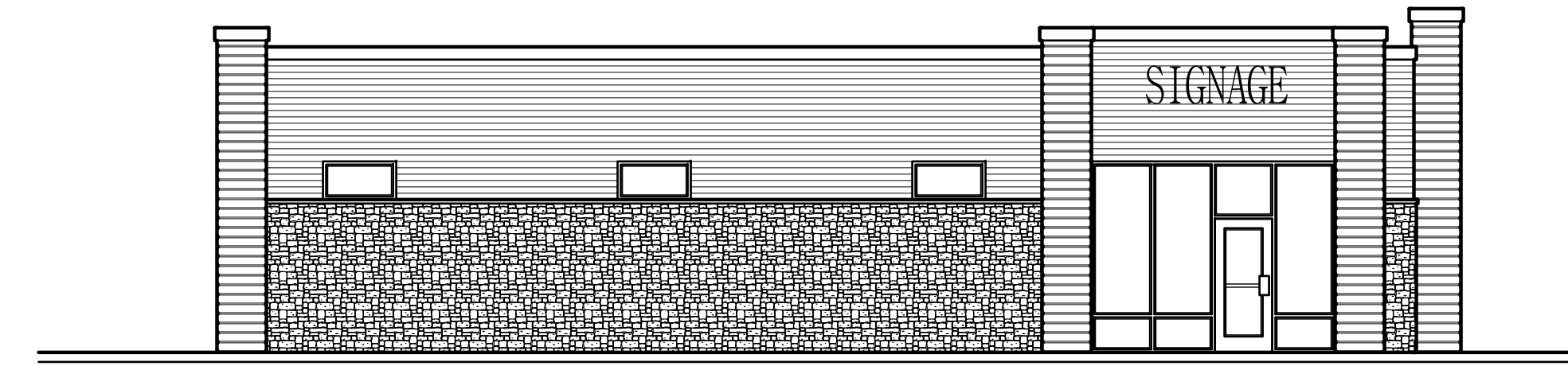
**FLOOR PLAN**  
 SCALE 1/8" = 1'-0"



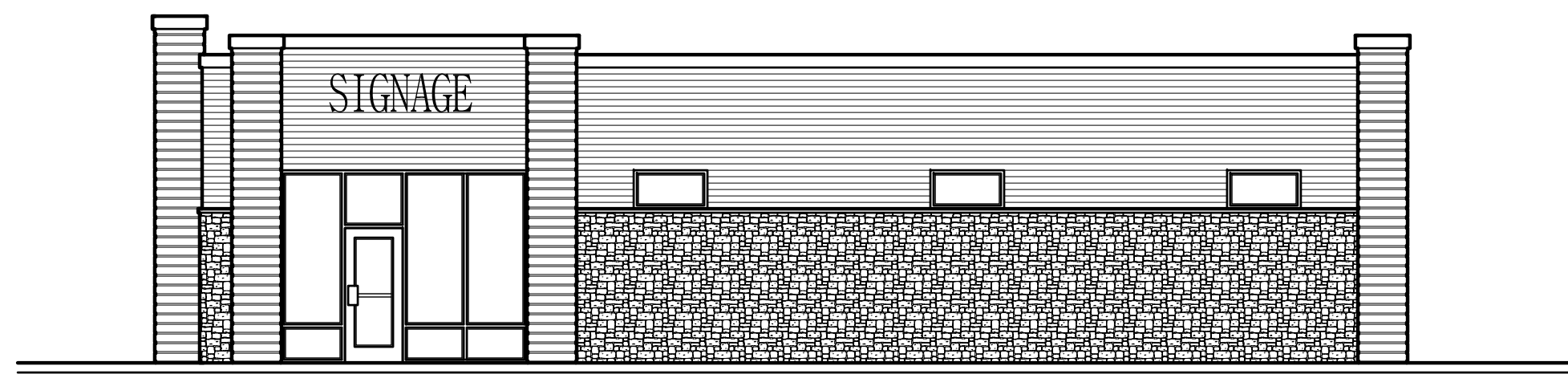
<b>FLOOR PLAN &amp; DETAILS</b>		<b>A1</b>
<b>RIDGELINE DESIGN</b> ARCHITECTS	date: 02-20-20 job no: 1838 revision: 04-23-20	
1708 E. 5550 S. #20 SOUTH OGDEN, UT 84403 Phone 801-392-6882 Fax 801-621-1494		project: <b>WILCOX RETAIL STRIP CENTER</b> OGDEN, UT



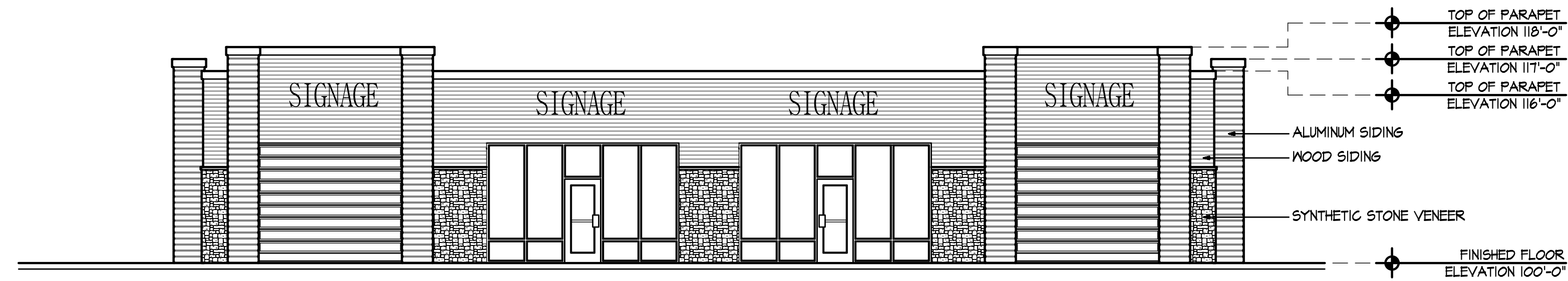
FRONT EXTERIOR BUILDING ELEVATION  
SCALE 1/8"=1'-0"



SIDE EXTERIOR BUILDING ELEVATION  
SCALE 1/8"=1'-0"

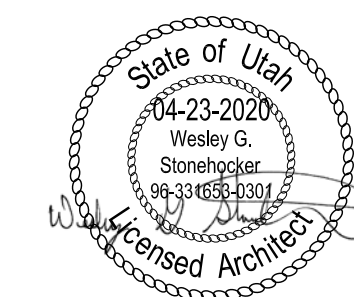


SIDE EXTERIOR BUILDING ELEVATION  
SCALE 1/8"=1'-0"



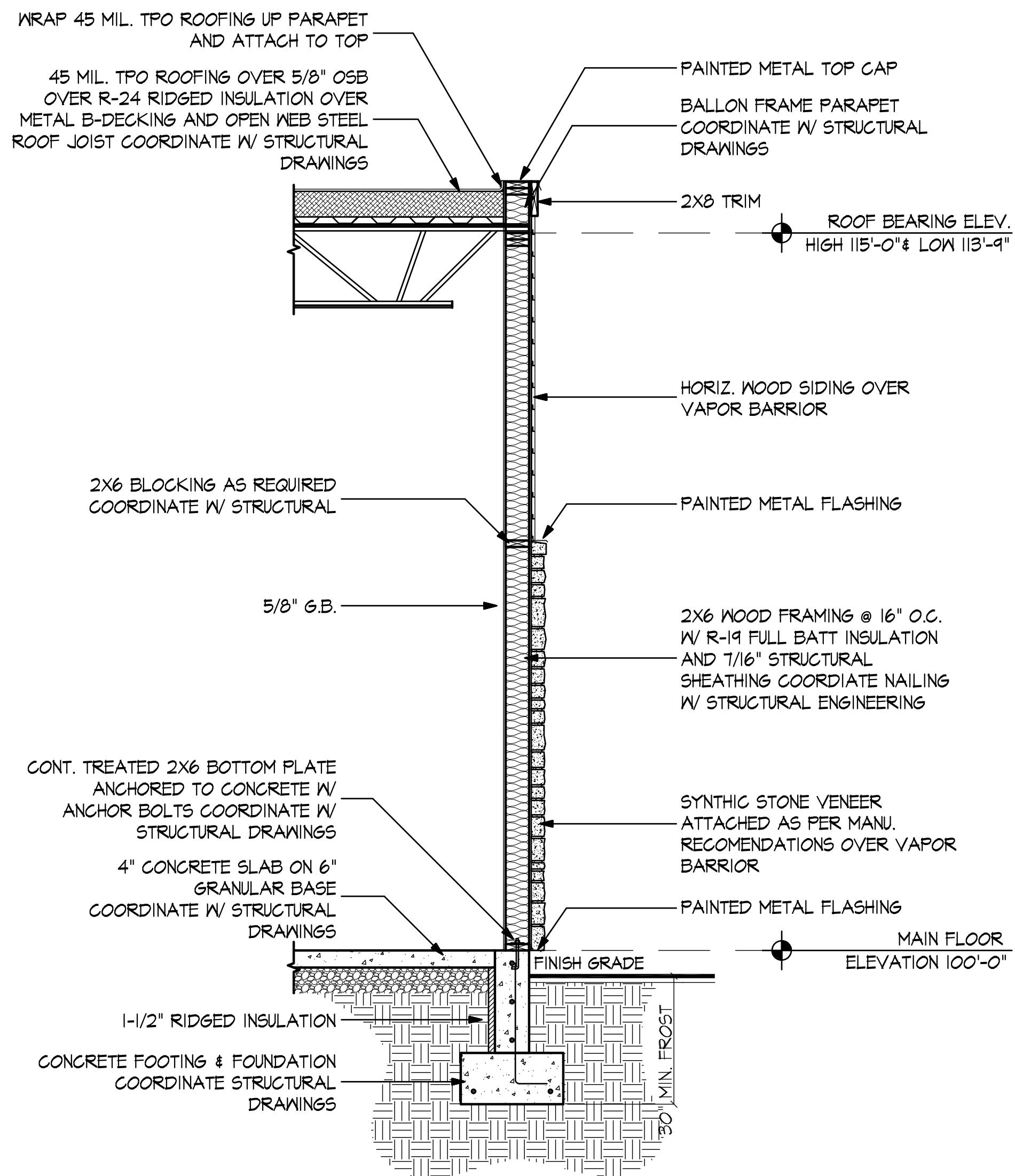
BACK EXTERIOR BUILDING ELEVATION  
SCALE 1/8"=1'-0"

- TOP OF PARAPET ELEVATION 118'-0"
- TOP OF PARAPET ELEVATION 117'-0"
- TOP OF PARAPET ELEVATION 116'-0"
- ALUMINUM SIDING
- WOOD SIDING
- SYNTHETIC STONE VENEER
- FINISHED FLOOR ELEVATION 100'-0"

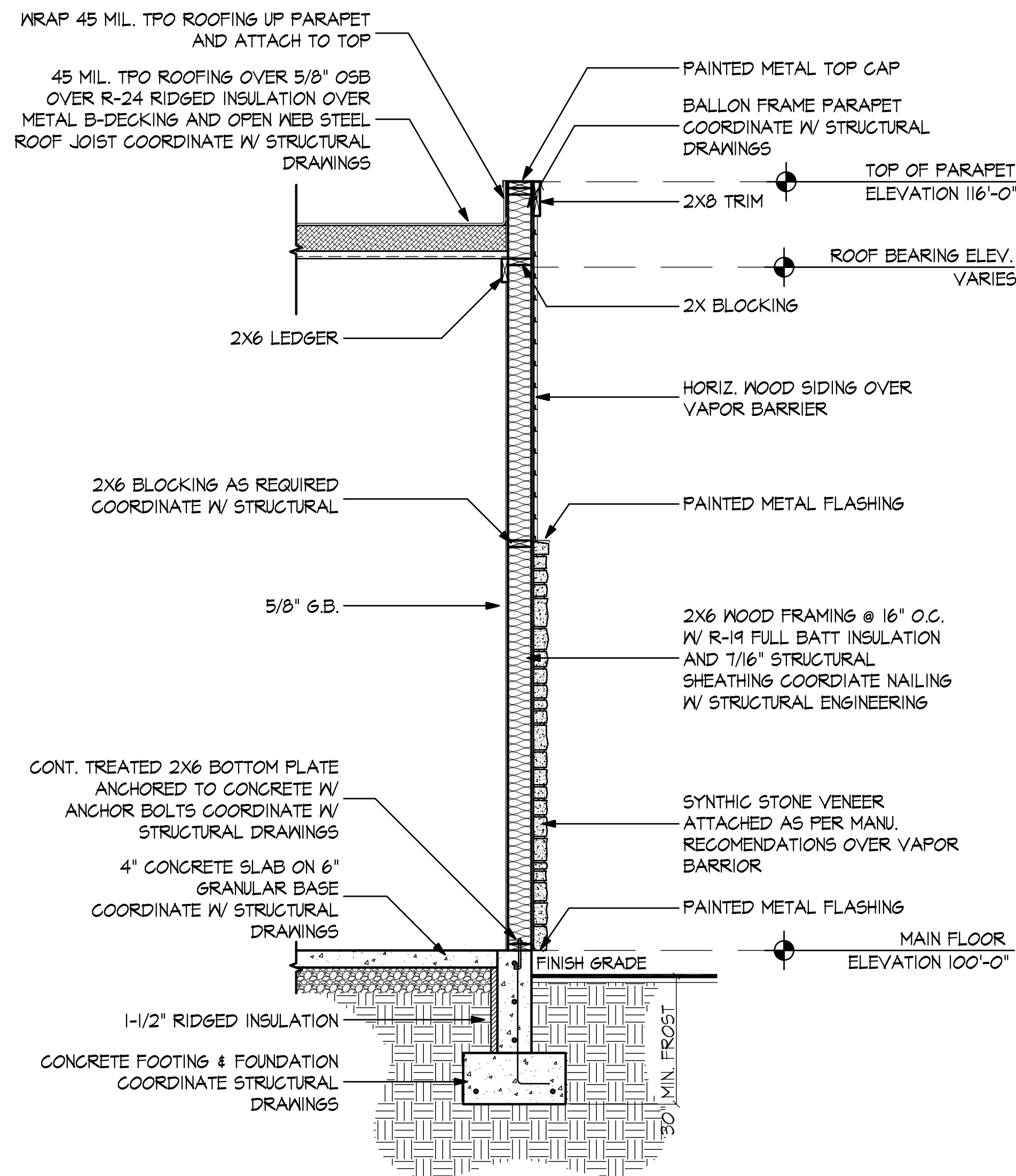


<b>EXTERIOR BUILDING ELEVATIONS</b>		<b>A2</b>
<b>RIDGELINE DESIGN</b> ARCHITECTS 1708 E. 5550 S. #20 SOUTH OGDEN, UT 84403 Phone 801-392-6882 Fax 801-621-1494		
date 02-20-20 project <b>WILCOX RETAIL STRIP CENTER</b> OGDEN, UT	job no 1838 rev/date 04-23-20	

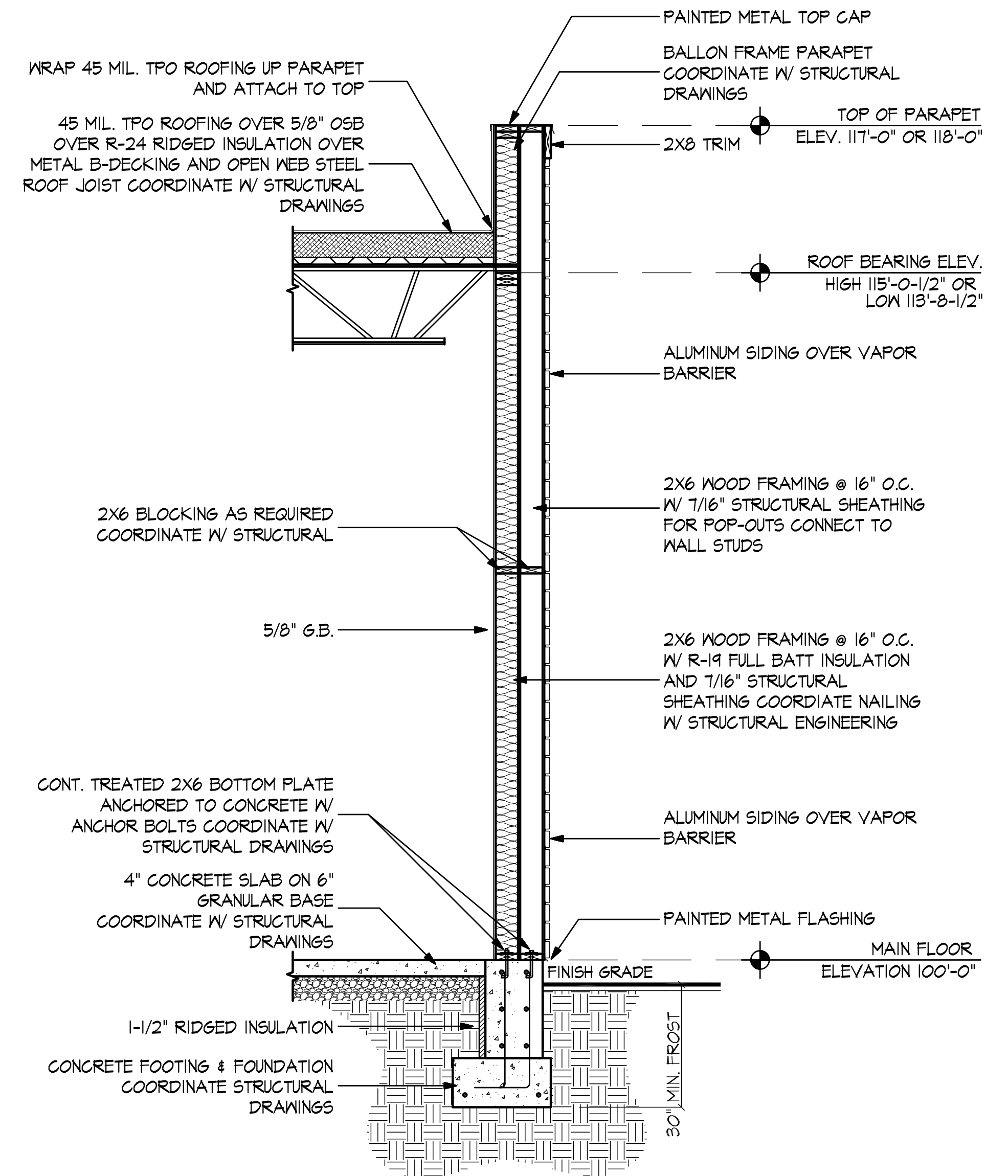




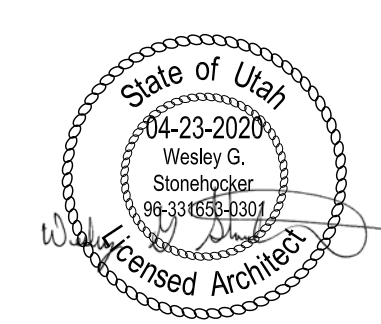
WALL SECTION A  
SCALE 1/2"=1'-0" A3



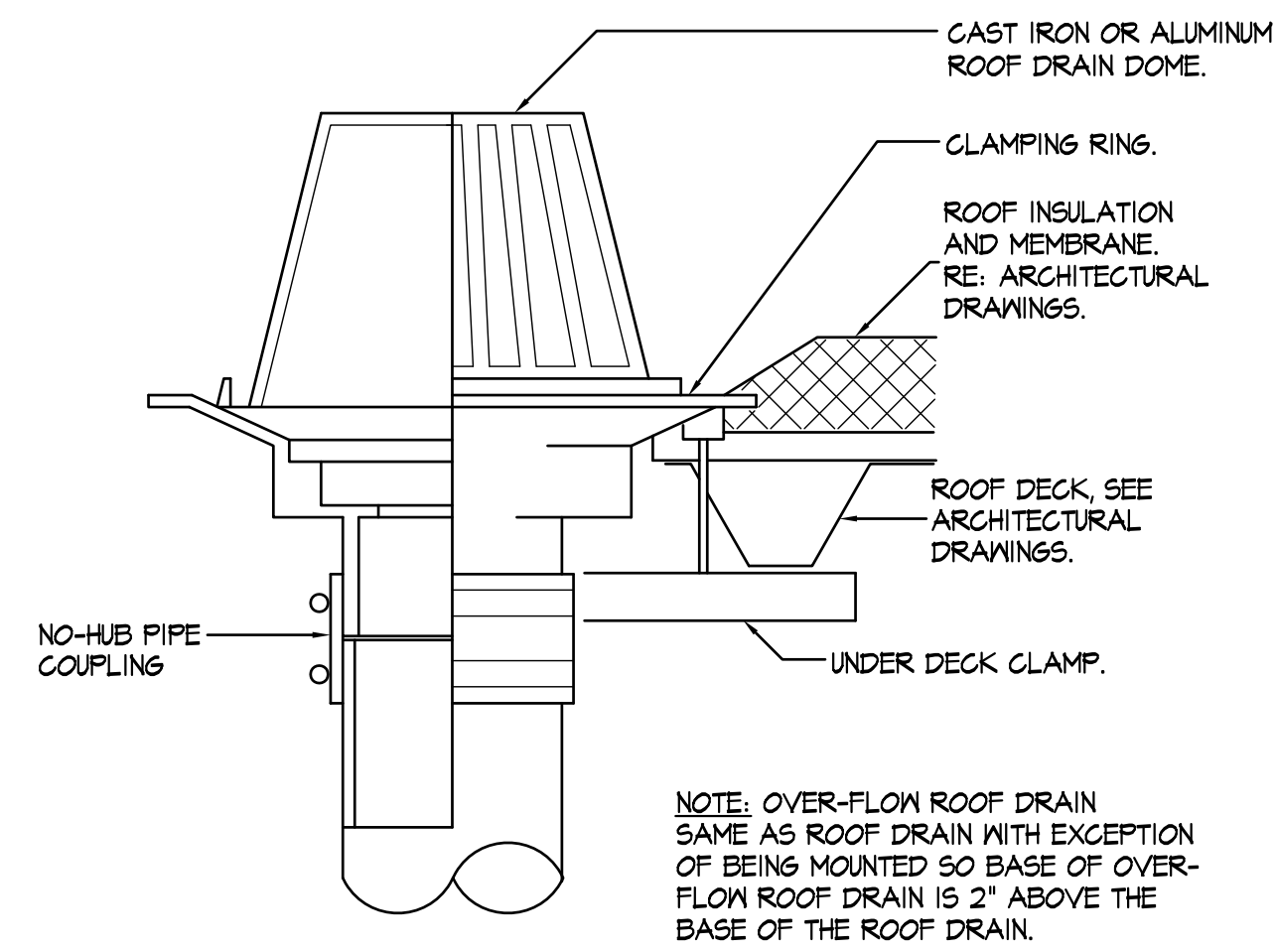
WALL SECTION B  
SCALE 1/2"=1'-0" A3



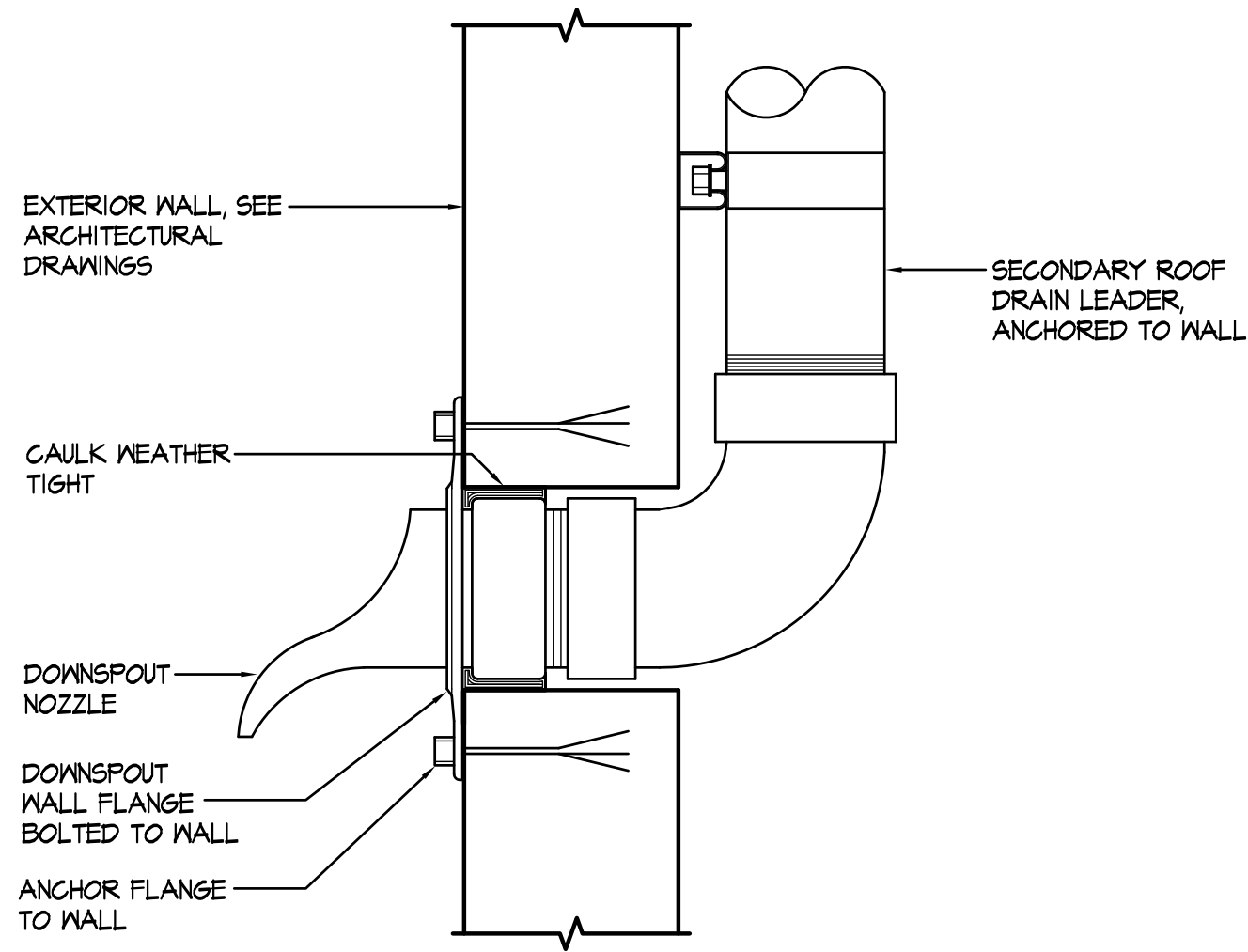
WALL SECTION C  
SCALE 1/2"=1'-0" A3



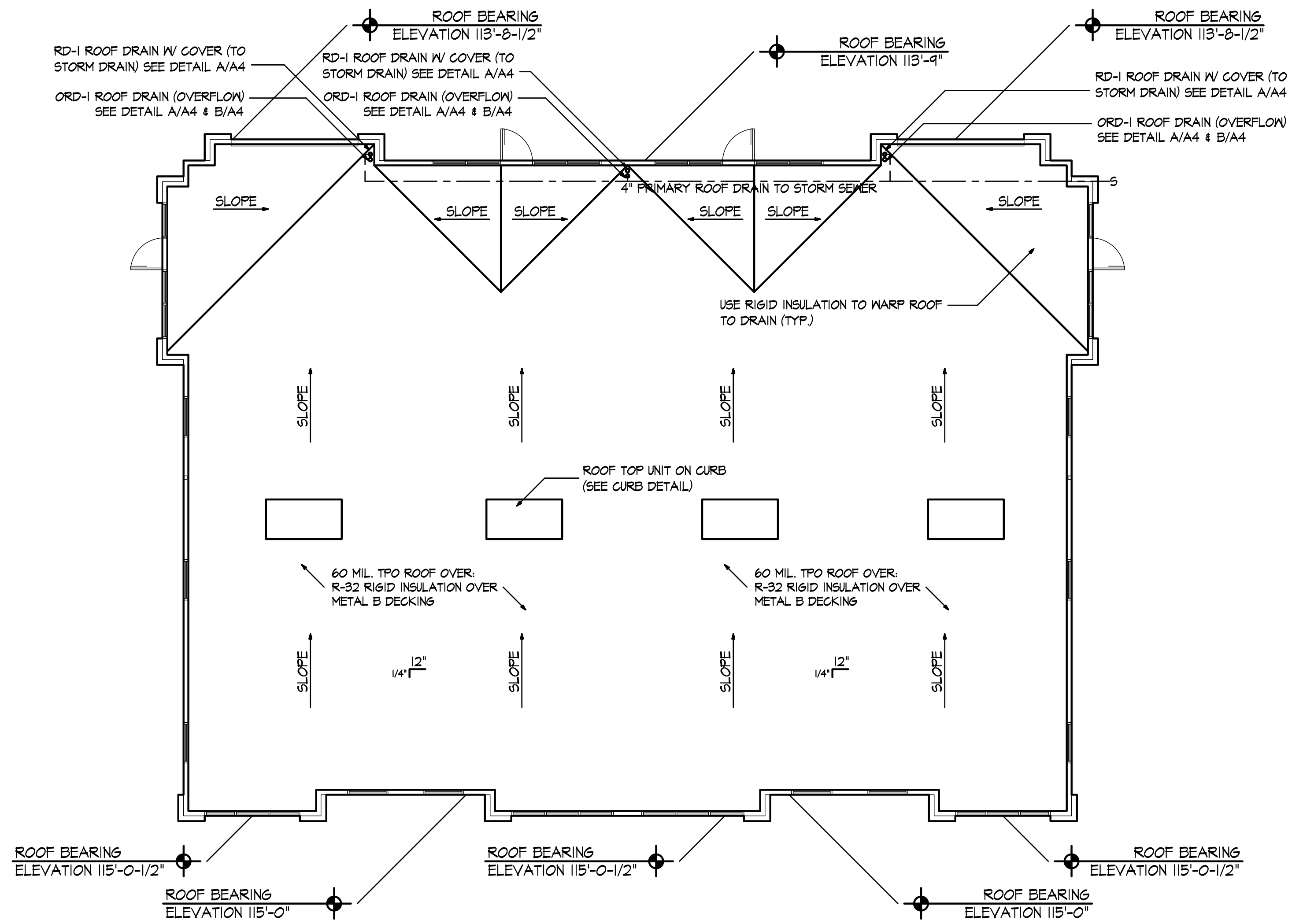
<b>WALL SECTIONS</b>		<b>A3</b>
<b>RIDGELINE DESIGN</b> ARCHITECTS 1708 E. 5550 S. #20 SOUTH OGDEN, UT 84403 Phone 801-392-6882 Fax 801-621-1494		
date 02-20-20 project <b>WILCOX RETAIL STRIP CENTER</b> OGDEN, UT	job no 1838 revision 04-23-20	



ROOF DRAIN DETAIL  
SCALE 1/2"=1'-0" A A4



SECONDARY ROOF DRAIN DOWNSPOUT DETAIL  
SCALE 1/2"=1'-0" B A4



FLOOR PLAN  
SCALE 1/8"=1'-0"

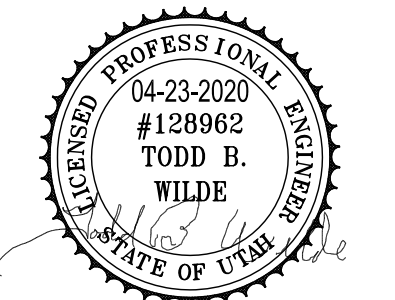
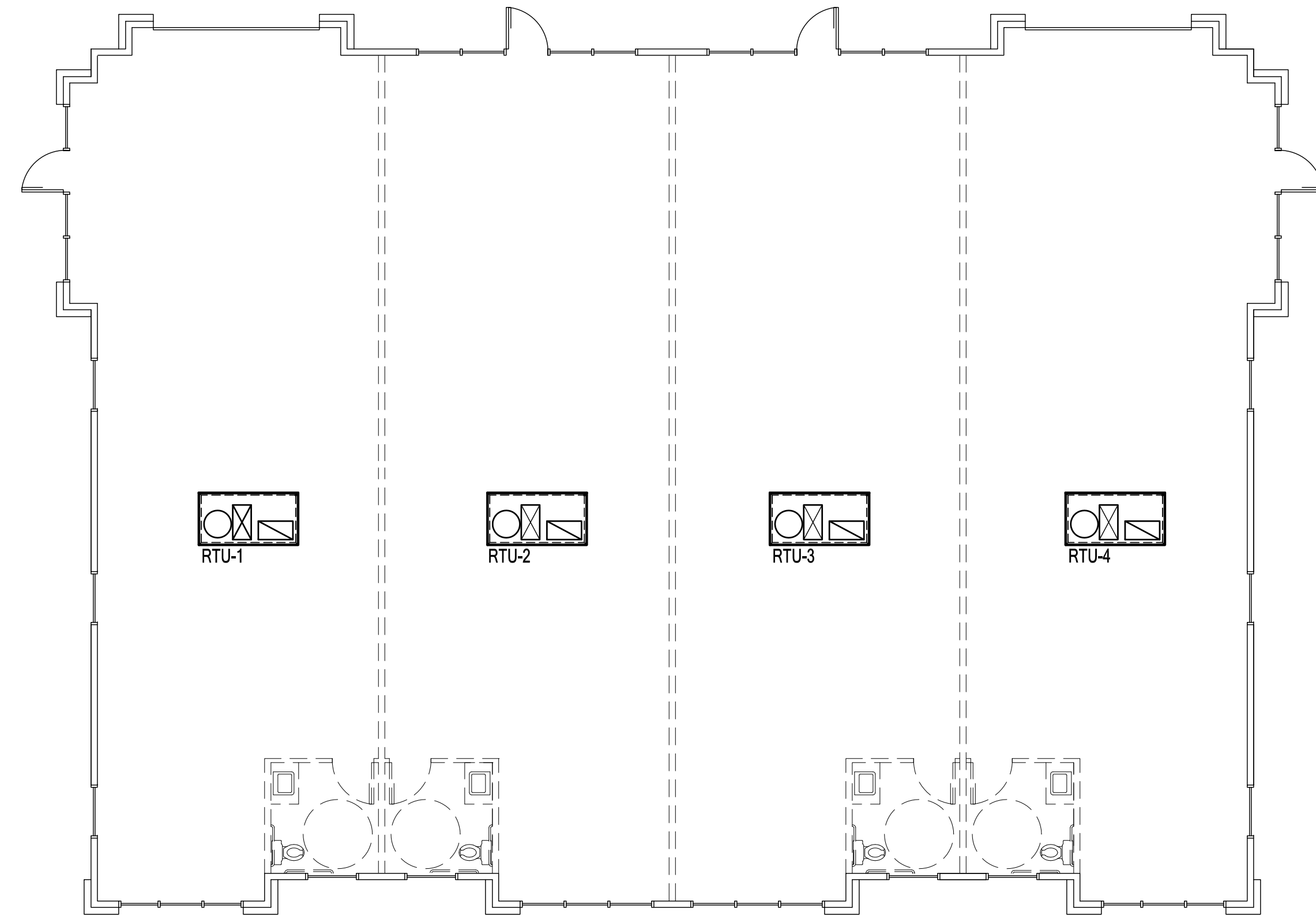
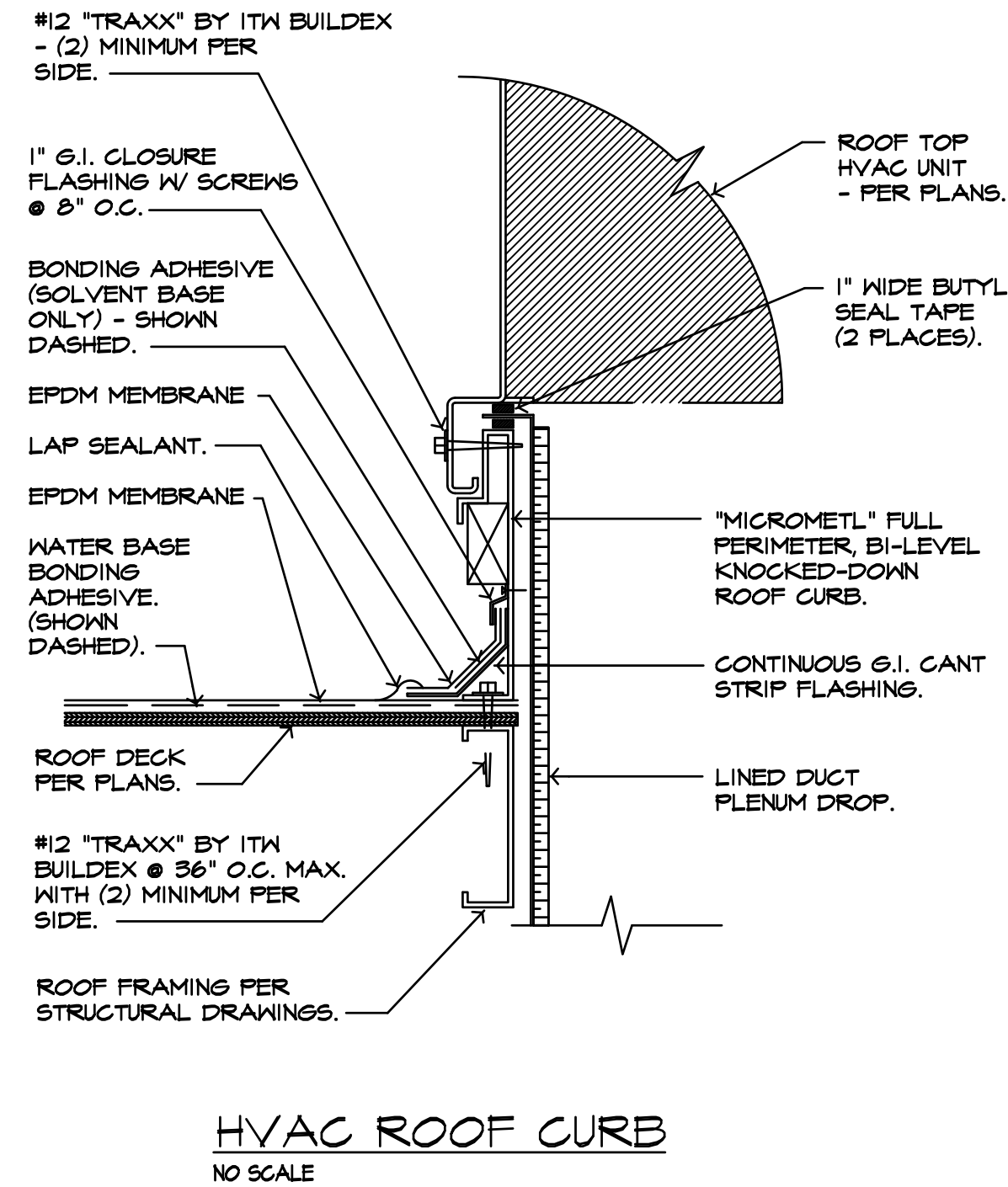


<b>ROOF PLAN</b>		<b>A4</b>
<b>RIDGELINE DESIGN</b> ARCHITECTS 1708 E. 5550 S. #20 SOUTH OGDEN, UT 84403 Phone 801-392-6882 Fax 801-621-1494		
date 02-20-20	job no 1838	revision 04-23-20
project <b>WILCOX RETAIL STRIP CENTER</b> OGDEN, UT		

**GENERAL NOTES:**

1. WORKMANSHIP SHALL COMPLY WITH THE INTERNATIONAL MECHANICAL CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.
2. THE FANS SHALL BE DERATED FOR THE ELEVATION OF THE JOB SITE TO DELIVER THE REQUIRED CFM OF AIR SHOWN ON DRAWINGS.
3. DIMENSIONS SHOWN ON DRAWINGS FOR DUCTWORK ARE INSIDE CLEAR. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATING DUCTWORK.
4. ALL DUCTWORK, INCLUDING FIRE DAMPERS, SHALL BE SEALED AND TESTED FOR LEAKS PRIOR TO COVERING WORK.
5. INSTALL FIRE DAMPERS IN ALL DUCTWORK THROUGH FIRE RATED ASSEMBLIES.
6. ALL RECTANGULAR DUCTWORK SHALL BE LINED. ALL ROUND DUCTWORK SHALL BE WRAPPED WITH DUCT INSULATION.
7. ALL CONTROL WIRING SHALL BE RUN IN CONDUIT. SEE DIVISION 16 FOR WIRING METHODS, CONDUIT, BOX SUPPORT, ETC.
8. COORDINATE WORK WITH OTHER TRADES. COORDINATE ALL EQUIPMENT WITH CONTROL SYSTEM FOR A COMPLETE OPERABLE SYSTEM.
9. PATCH ALL CUTTING OR DRILLING OF EXISTING FINISHED WALLS, CEILINGS, OR FLOORS.
10. UPON COMPLETION OF WORK, AN INDEPENDENT CERTIFIED TEST & BALANCE ENGINEER SHALL BALANCE ALL SYSTEMS, CHECK OPERATION OF ALL CONTROLS, AND SUBMIT A WRITTEN AIR TEST & BALANCE AND OPERATION OF CONTROLS REPORT TO ARCHITECT/ENGINEER ALONG WITH O&M MANUALS.
11. CONTRACTOR SHALL INSTALL ANY BALANCING DEVICE NECESSARY TO ACHIEVE PROPER ADJUSTING AND BALANCING OF MECHANICAL SYSTEMS.
12. FIELD VERIFY ALL UNDERGROUND UTILITIES, PIPE LINES, ETC. PRIOR TO DIGGING. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE AND REPAIR OF UTILITIES, PIPE LINES, ETC. DAMAGED DURING CONSTRUCTION.
13. ALL AUTOMATIC OR MOTORIZED CONTROL DAMPERS AND ACTUATORS NOT FURNISHED WITH PACKAGED EQUIPMENT SHALL BE FURNISHED BY CONTROL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.
14. ALL AUTOMATIC CONTROL VALVES SHALL BE FURNISHED BY CONTROL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.
15. SEE STRUCTURAL DRAWINGS FOR HANGING FROM ROOF TRUSSES OR FLOOR JOISTS.

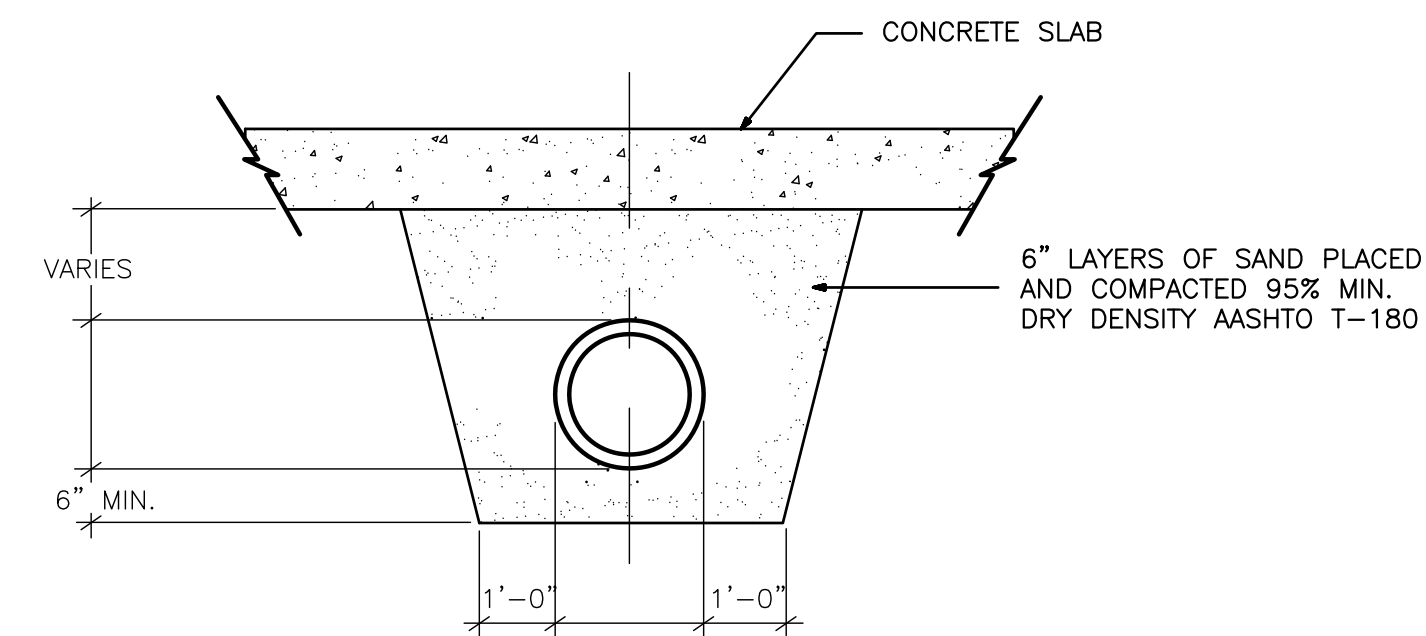
ROOFTOP UNIT SCHEDULE (GAS HEAT)																						
ACCESSORIES: 1) ECONOMIZER WITH SINGLE ENTHALPY CONTROL, 2) RETURN AIR SMOKE DETECTOR, 3) SUPPLY AIR SMOKE DETECTOR, 4) CO2 SENSOR IN RETURN AIR, 5) HUMIDITROL, 6) VIBRATION ISOLATION CURB, 7 SEISMIC RATED CURB, 8) POWER EXHAUST 9) HUMIDISTAT.																						
SYMBOL	MANUFACTURER AND MODEL NO.	DISCHARGE	NOMINAL TONS COOLING	NOMINAL HEATING CAPACITY (MBH)	TOTAL CFM	MIN. O.A. CFM	E.S.P. ("Wg)	DESIGN COOLING					DESIGN HEATING			ELECTRICAL				OPERATING WEIGHT (LBS)	ACCESSORIES AND REMARKS	
								TOTAL CAPACITY	SENSIBLE CAPACITY	EDB (DEG. F)	EWB (DEG. F)	O.A. (DEG. F)	INPUT (MBH)	OUTPUT (MBH)	GAS INLET	VOLT / PHASE / Hz.	TOTAL UNIT MCA	MOC	H.P.			RPM
RTU-1	LENNOX LGE048H4BS3Y	DOWN	4	125	1600	270	0.5	49500	47000	80	65	95	125	100	3/4"	208/3/60	36	50	3	1070	860	1,10,12, 16
RTU-2	LENNOX LGE048H4BS3Y	DOWN	4	125	1600	270	0.5	49500	47000	80	65	95	125	100	3/4"	208/3/60	36	50	3	1070	860	1,10,12, 16
RTU-3	LENNOX LGE048H4BS3Y	DOWN	4	125	1600	270	0.5	49500	47000	80	65	95	125	100	3/4"	208/3/60	36	50	3	1070	860	1,10,12, 16
RTU-4	LENNOX LGE048H4BS3Y	DOWN	4	125	1600	270	0.5	49500	47000	80	65	95	125	100	3/4"	208/3/60	36	50	3	1070	860	1,10,12, 16



<b>DC ENGINEERING, INC.</b> CONSULTING ENGINEERS 2688 South 4050 West Ogden, Utah 84401 (801) 388-3920 • Fax (801) 732-9229	<b>MECHANICAL PLAN &amp; DETAILS</b>		<b>M1</b>
	<b>RIDGELINE DESIGN</b> ARCHITECTS 1708 E. 5550 S. #20 SOUTH OGDEN, UT 84403 Phone 801-392-6882 Fax 801-621-1494	date: 02-20-20 job no: 1838 rev/date: 04-23-20 project: <b>WILCOX RETAIL STRIP CENTER</b> OGDEN, UT	

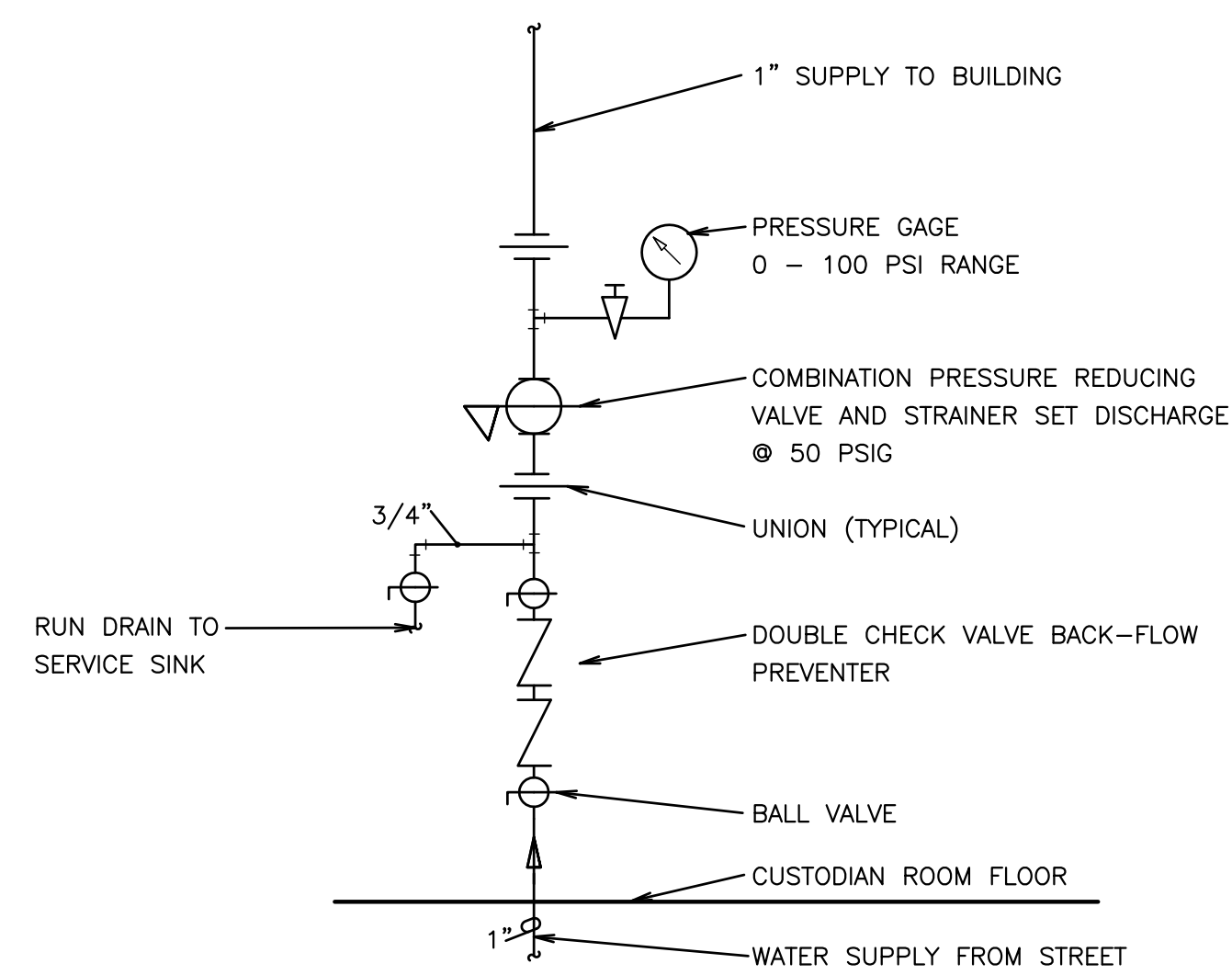
**GENERAL NOTES:**

1. WORKMANSHIP SHALL COMPLY WITH THE INTERNATIONAL PLUMBING CODE AND ALL OTHER LOCAL CODES, ORDINANCES AND ADA REQUIREMENTS.
2. INSULATE ALL WATER LINES.
3. SEE ARCHITECTS DRAWINGS FOR EXACT LOCATIONS OF ALL PLUMBING FIXTURES.
4. VERIFY SEWER FLOW LINES PRIOR TO COMMENCEMENT OF WORK.
5. COORDINATE ALL WORK WITH OTHER TRADES.
6. PROVIDE PROPER PROVISIONS FOR EXPANSION OR MOVEMENT OF ANY PIPING.
7. ALL FIXTURES SHALL BE PROPERLY VENTED TO THE ATMOSPHERE.
8. PATCH ALL CUTTING OR DRILLING OF EXISTING FINISHED WALLS, CEILINGS, OR FLOORS.
9. CONTRACTOR MUST COMPLY WITH ALL E.P.A. STANDARDS, INCLUDING LEAD FREE WATER SYSTEMS.



**TYPICAL PIPE UNDER SLAB DETAIL**

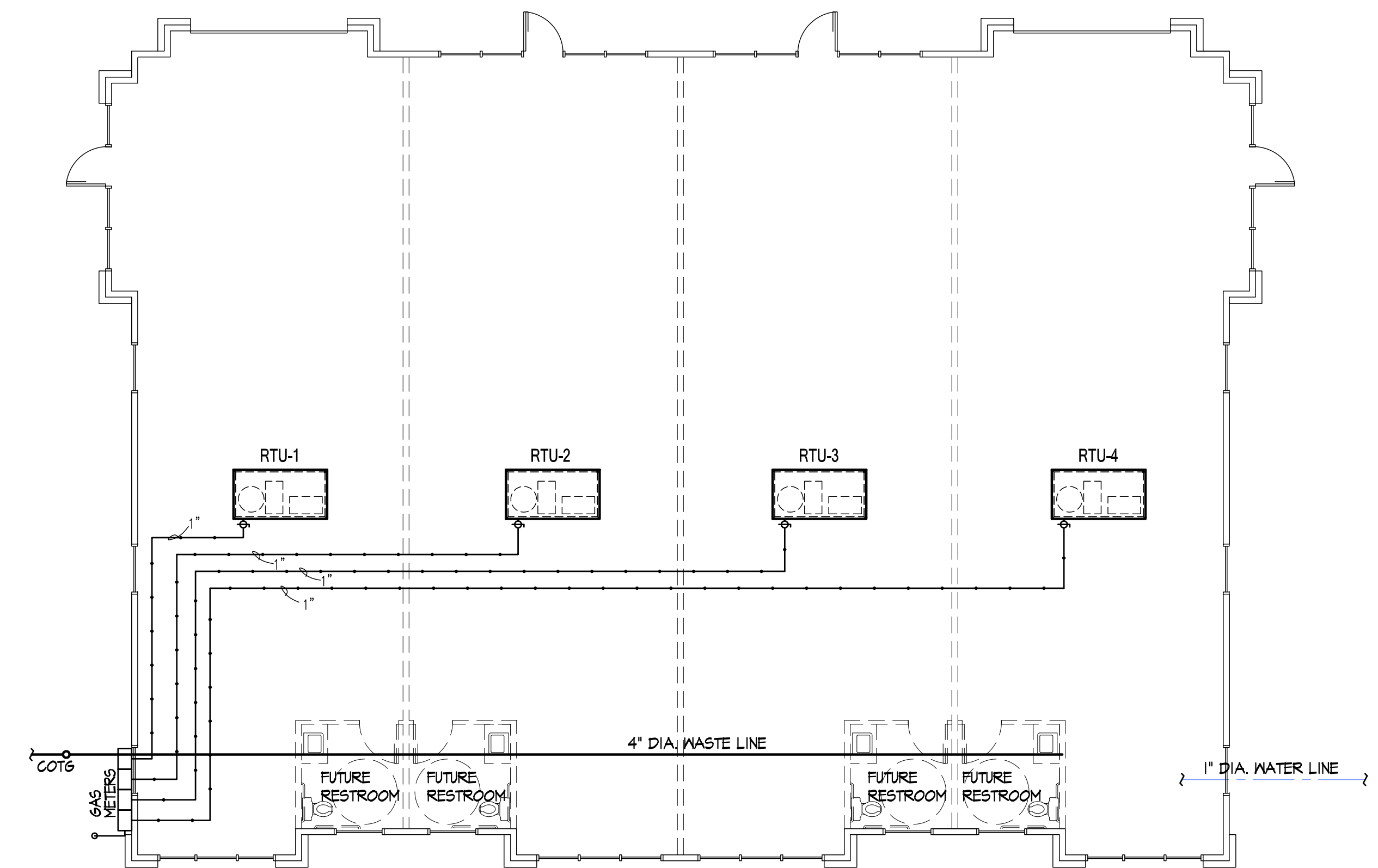
SCALE NONE



**VERT. WATER PRESSURE REDUCING STATION DETAIL**

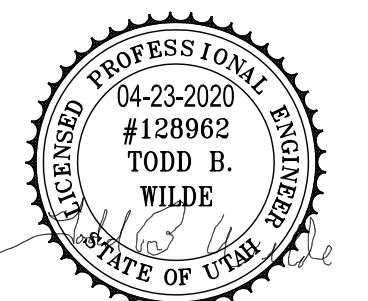
SCALE NONE

PLUMBING SYMBOLS	
SYMBOL	DESCRIPTION
	SOIL OR WASTE
	VENT PIPING
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	NATURAL GAS LINE
	C.O. CLEANOUT
	V.T.R. VENT THRU ROOF
	BALL VALVE
	POINT OF CONNECTION
	HOSE BIBB
	RISE OR DROP IN PIPING
	HWR HEATING HOT WATER RETURN
	HWS HEATING HOT WATER SUPPLY
	SD STORM DRAIN, RAINWATER
	SDO STORM DRAIN OVERFLOW
	WALL CLEANOUT (WCO)



**PLUMBING PLAN**

SCALE 1/8"=1'-0"



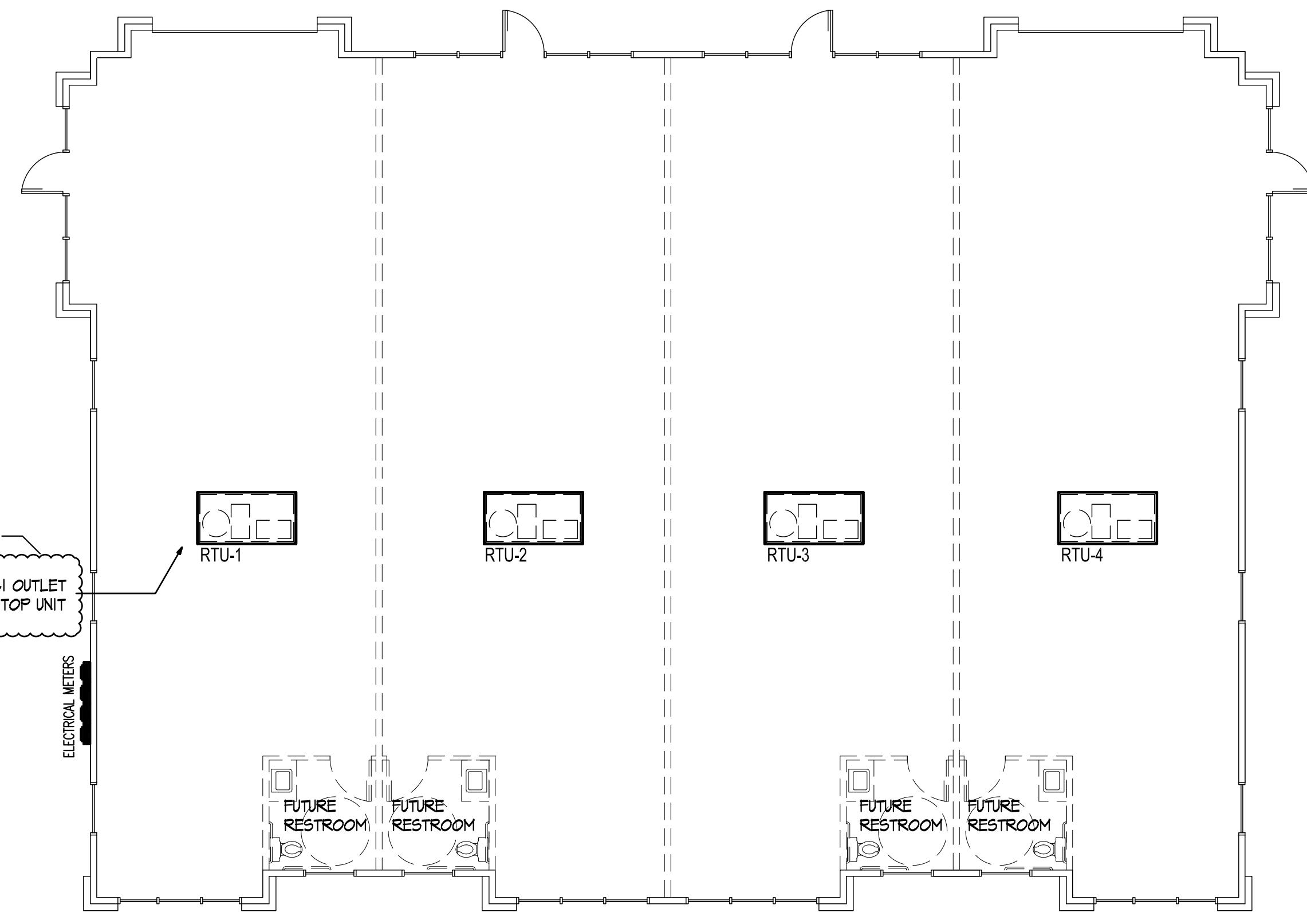
<b>DC ENGINEERING, INC.</b> CONSULTING ENGINEERS 2688 South 4050 West Ogden, Utah 84401 (801) 388-3920 • Fax (801) 732-9229	<b>PLUMBING PLAN &amp; DETAILS</b>		<b>P1</b>
	<b>RIDGELINE DESIGN</b> ARCHITECTS 1708 E. 5550 S. #20 SOUTH OGDEN, UT 84403 Phone 801-392-6882 Fax 801-621-1494	date 02-20-20 job no 1838 revision 04-23-20 project <b>WILCOX RETAIL STRIP CENTER</b> OGDEN, UT	



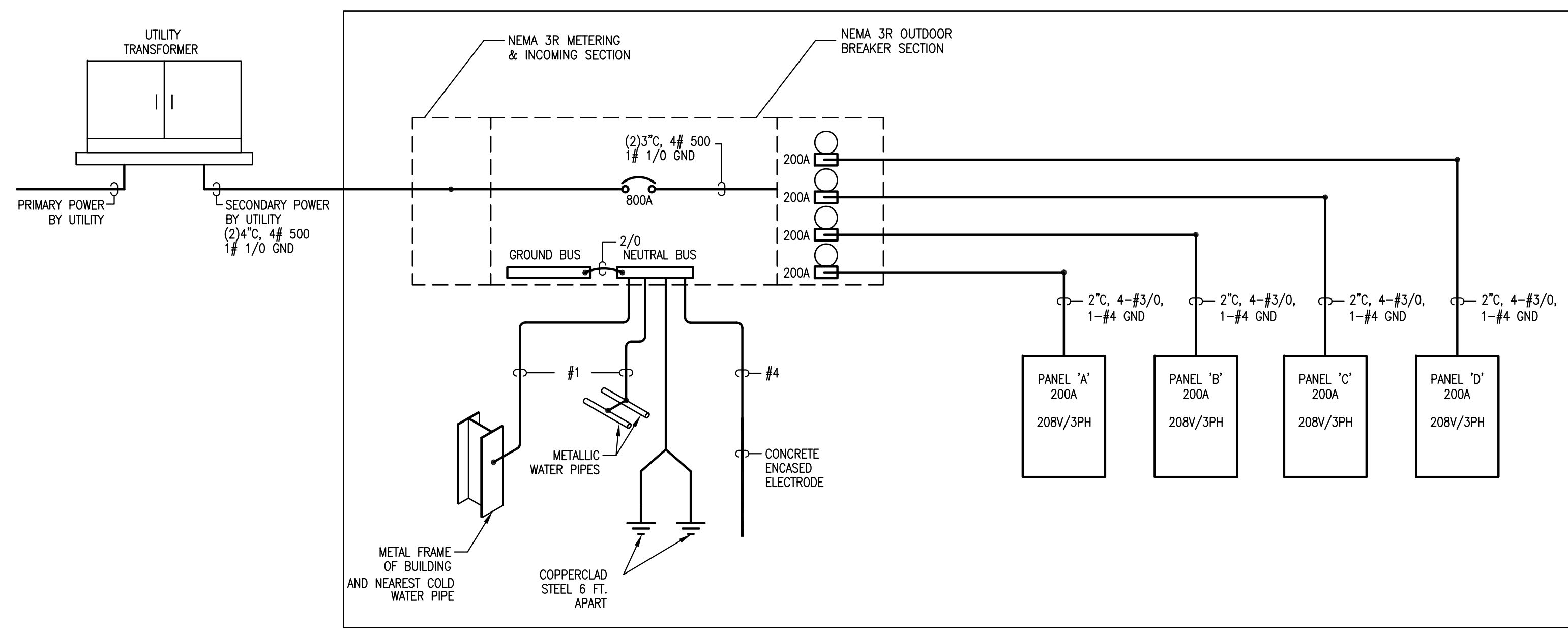
PANELBOARD SCHEDULE													
PANEL: A, B, C, D		NEMA 1		Enclosure		120 / 208		VOLT		3 $\Phi$ 4 Wire 200 A Bus			
<input checked="" type="checkbox"/> Main Lugs Only	<input type="checkbox"/> Fusible	<input type="checkbox"/> Copper Bus	<input checked="" type="checkbox"/> Ground Bus	<input checked="" type="checkbox"/> Surface Mounted									
<input type="checkbox"/> Main Breaker	<input checked="" type="checkbox"/> Bolt-On	<input checked="" type="checkbox"/> Aluminum Bus	<input type="checkbox"/> Iso. Ground Bus	<input type="checkbox"/> Flush Mounted									
<input type="checkbox"/> Plug-On													
Item	Amp	Pole	Cir No.	Left Phase Load			Right Phase Load			Cir No.	Amp	Pole	Item
				A	B	C	A	B	C				
			1				3,456			2	50	3	RTU-1
			3					3,456		4	"	"	
			5						3,456	6	"	"	
			7							8			
			9							10			
			11							12			
			13							14			
			15							16			
			17							18			
			19							20			
			21							22			
			23							24			
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
				3,456	3,456	3,456							
Total Amp / Phase				29	29	29							
Total Connected Load: 10,368 VA													

**GENERAL NOTES:**

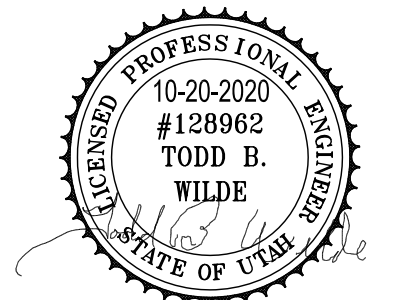
1. WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.
2. COORDINATE ALL WORK WITH OTHER TRADES.
3. SEE ARCHITECTS DRAWINGS FOR EXACT LOCATION OF ALL LIGHT FIXTURES.
4. ELECTRICAL CONTRACTOR TO MAKE ALL FINAL ELECTRICAL CONNECTIONS TO ELECTRICAL AND MECHANICAL EQUIPMENT.
5. PATCH ALL CUTTING OR DRILLING OF EXISTING FINISHED WALLS, CEILINGS, OR FLOORS.
6. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL MOTOR STARTERS AND THERMAL UNITS EXCEPT THOSE FURNISHED AS PART OF PACKAGED AIR CONDITIONING EQUIPMENT.
7. CONTRACTOR SHALL INSTALL RIGID METAL CONDUIT WRAPPED WITH 3-M CORROSION RESISTANT TAPE WHEN CONVERTING FROM UNDERGROUND OR UNDER SLAB PVC CONDUIT TO ABOVE GROUND METAL CONDUIT.
8. ALL CONDUIT FOR POWER AND DATA WILL BE A MINIMUM SIZE OF 3/4"



**ELECTRICAL PLAN**  
SCALE 1/8"=1'-0"



**POWER RISER DIAGRAM**  
SCALE NO SCALE



<b>DC ENGINEERING, INC.</b> CONSULTING ENGINEERS 2688 South 4050 West Ogden, Utah 84401 (801) 388-3920 • Fax (801) 732-9229	<b>ELECTRICAL PLAN &amp; DETAILS</b>		
	<b>RIDGELINE DESIGN</b> ARCHITECTS 1708 E. 5550 S. #20 SOUTH OGDEN, UT 84403 Phone 801-392-6882 Fax 801-621-1494	date 02-20-20 job no 1838 revision 04-23-20 10-20-20 project <b>WILCOX RETAIL STRIP CENTER</b> OGDEN, UT	