



MAIN OFFICE  
 4740 Scotts Valley Drive, Suite "E"  
 Scotts Valley, California 95066  
 Telephone 831/430-9300  
 FAX 831/430-9340

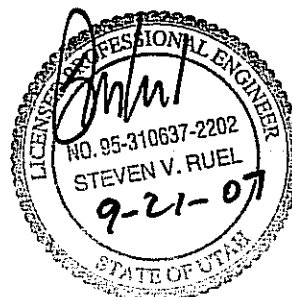
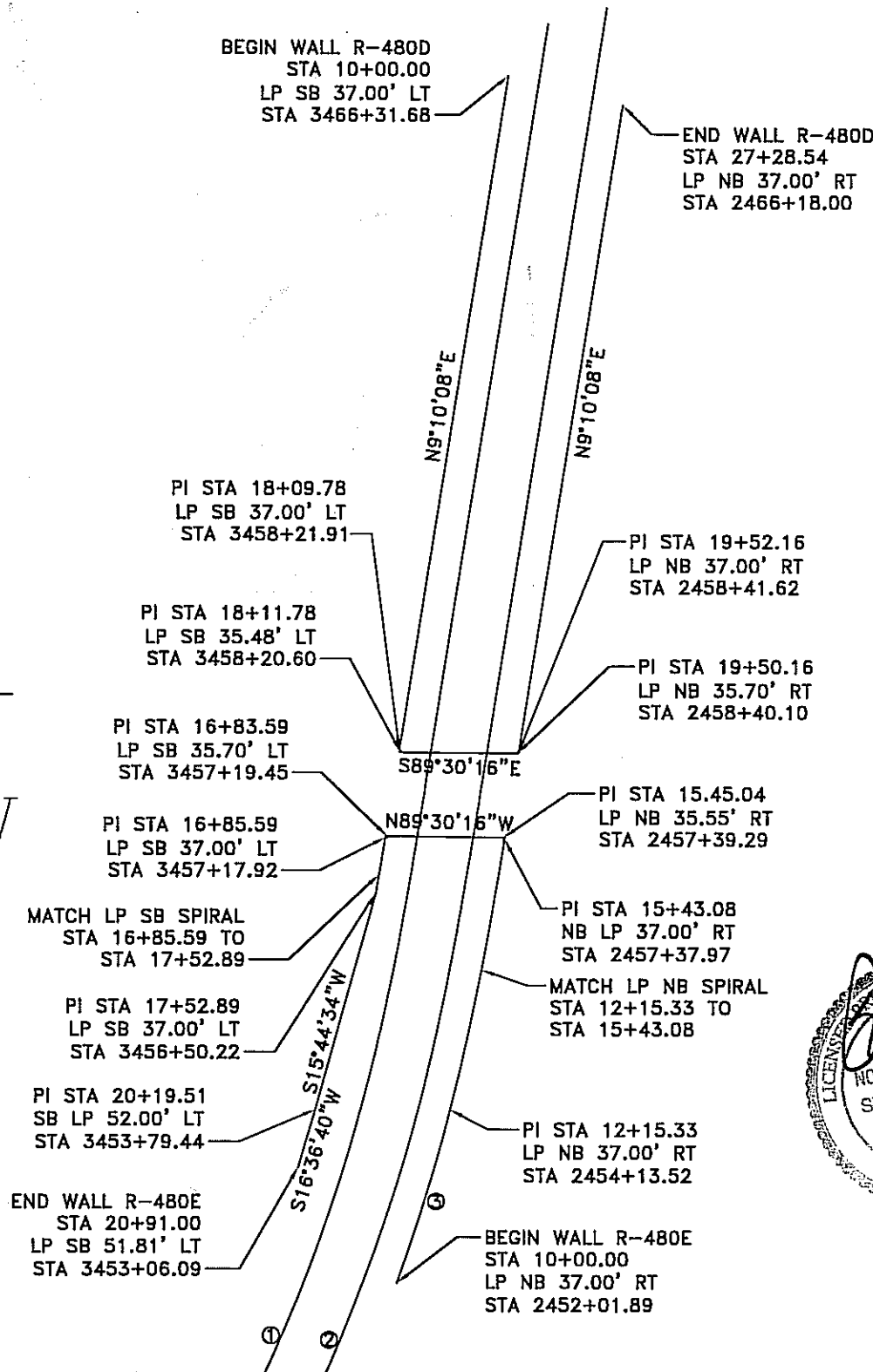
FOR QUESTIONS OR INFORMATION REGARDING THIS SUBMITTAL PLEASE CONTACT ANDREW MECKLER AT THE MAIN OFFICE

CURVE DATA				
No.	RADIUS	Δ	TANGENT	LENGTH
1	2050.525'	43°29'25.96"	817.880'	1556.457'
2	2116.142'	43°54'00.42"	852.832'	1621.391'
3	2153.14'	43°54'00"	867.74'	1649.74'

NOTE: SEE CONTRACT PLANS FOR SPIRAL INFORMATION

NOTES:

- MSE DESIGN CRITERIA IS LISTED ON PROJECT SPECIFICATIONS CALCULATIONS.
- SSL ENGINEERING DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE CONTRACT DOCUMENTS FOR DETAILS AND FEATURES NOT SHOWN HERE.
- SSL EXPERTISE IS IN THE DESIGN, DETAILING AND PRODUCTION OF PROPRIETARY AND OR PATENTED PERMANENT AND TEMPORARY MSE WALL SYSTEM COMPONENTS.
- THE INCLUSION OF THE SSL INSTALLATION AND ERECTION SEQUENCE MANUAL DOES NOT RELIEVE THE CONTRACTOR TO COMPLY WITH THE CONTRACT DOCUMENTS FOR THE DEVELOPMENT AND IMPLEMENTATION OF A SAFE CONSTRUCTION PROCEDURE WHICH COMPLIES WITH THE CONTRACT DOCUMENTS.
- THE OWNER REMAINS RESPONSIBLE FOR THE INSPECTION AND ACCEPTANCE OF THE COMPLETED RETAINING WALL.



INDEX OF DRAWINGS	
SHEET	DESCRIPTION
RW1	PLAN VIEW AND INDEX OF DRAWINGS
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RW4	ELEVATIONS: WALLS D: 3 OF 10
RW5	ELEVATIONS: WALLS D: 4 OF 10
RW6	ELEVATIONS: WALLS D: 5 OF 10
RW7	ELEVATIONS: WALLS D: 6 OF 10
RW8	ELEVATIONS: WALLS D: 7 OF 10
RW9	ELEVATIONS: WALLS D: 8 OF 10
RW10	ELEVATIONS: WALLS D: 9 OF 10
RW11	ELEVATIONS: WALLS D: 10 OF 10
RW12	ELEVATIONS: WALLS E: 1 OF 7
RW13	ELEVATIONS: WALLS E: 2 OF 7
RW14	ELEVATIONS: WALLS E: 3 OF 7
RW15	ELEVATIONS: WALLS E: 4 OF 7
RW16	ELEVATIONS: WALLS E: 5 OF 7
RW17	ELEVATIONS: WALLS E: 6 OF 7
RW18	ELEVATIONS: WALLS E: 7 OF 7
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RW20	TYPICAL SECTIONS: 2 OF 8
RW21	TYPICAL SECTIONS: 3 OF 8
RW22	TYPICAL SECTIONS: 4 OF 8
RW23	TYPICAL SECTIONS: 5 OF 8
RW24	TYPICAL SECTIONS: 6 OF 8
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RW26	TYPICAL SECTIONS: 8 OF 8
RW27	PANEL REBAR DETAILS: 1 OF 24
RW28	PANEL REBAR DETAILS: 2 OF 24
RW29	PANEL REBAR DETAILS: 3 OF 24
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RW31	PANEL REBAR DETAILS: 5 OF 24
RW32	PANEL REBAR DETAILS: 6 OF 24
RW33	PANEL REBAR DETAILS: 7 OF 24
RW34	PANEL REBAR DETAILS: 8 OF 24
RW35	PANEL REBAR DETAILS: 9 OF 24
RW36	PANEL REBAR DETAILS: 10 OF 24
RW37	PANEL REBAR DETAILS: 11 OF 24
RW38	PANEL REBAR DETAILS: 12 OF 24
RW39	PANEL REBAR DETAILS: 13 OF 24
RW40	PANEL REBAR DETAILS: 14 OF 24
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RW42	PANEL REBAR DETAILS: 16 OF 24
RW43	PANEL REBAR DETAILS: 17 OF 24
RW44	PANEL REBAR DETAILS: 18 OF 24
RW45	STANDARD DETAILS - FULL HEIGHT PANELS
RW46	CONSTRUCTION DETAILS - FULL HEIGHT PANELS
RW47	PANEL REBAR DETAILS: 19 OF 24
RW48	PANEL REBAR DETAILS: 20 OF 24
RW49	PANEL REBAR DETAILS: 21 OF 24
RW50	PANEL REBAR DETAILS: 22 OF 24
RW51	PANEL REBAR DETAILS: 23 OF 24
RW52	PANEL REBAR DETAILS: 24 OF 24
RW53	DRAIN PIPE PENETRATION DETAIL

- DESIGN PARAMETERS
- SOIL PARAMETERS:  
 INTERNAL DESIGN -  $\phi=35^\circ$ ,  $\gamma=66$  PCF  
 EXTERNAL DESIGN: RETAINED -  $\phi=35^\circ$ ,  $\gamma=86$  PCF
  - SOIL REINFORCEMENT:  
 WELDED WIRE MESH  $f_y = 75,000$  PSI  
 CORROSION RATE ZINC =  $15 \mu\text{m}/\text{YEAR}$  (FIRST 2 YEARS)  
 =  $4 \mu\text{m}/\text{YEAR}$  (THEREAFTER)  
 CORROSION RATE STEEL =  $12 \mu\text{m}/\text{YEAR}$
- DESIGN CRITERIA
- TRAFFIC SURCHARGE = 250 PSF
  - DESIGN LIFE = 75 YEARS
  - AASHTO 2005 LRFD SPECIFICATIONS

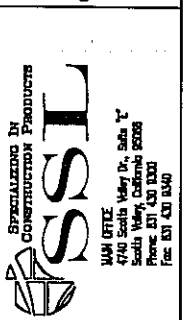
FOR QUESTIONS OR INFORMATION PLEASE CONTACT ANDREW MECKLER AT THE MAIN OFFICE

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THESE DRAWINGS, AS WELL AS THE DESIGN, ARE CERTIFIED WITH RESPECT TO THE INTERNAL STABILITY OF THE MSE PLUS<sub>w</sub> STRUCTURES ONLY. EXTERNAL STABILITY INCLUDING, BUT NOT LIMITED TO, SLOPE AND FOUNDATION STABILITY IS THE RESPONSIBILITY OF THE OWNER AND THE ENGINEER FOR THE OWNER.

ISSUED FOR APPROVAL  
 9/21/07  
 BY SSL

NO.	DATE	BY	REVISION
2	9/21/07	AM	FULL HEIGHT PANELS + COMMENTS
1	4/21/07	AM	COMMENTS + MATERIAL CHANGE



PLAN VIEW AND INDEX OF DRAWINGS  
 LEGACY PARKWAY SEGMENT 2  
 UTAH DEPARTMENT OF TRANSPORTATION  
 SALT LAKE CITY, UTAH  
 PROJECT No. SP-0067(10)4

Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2606
Sheet:	RW-1
Sheet 1 of 53	

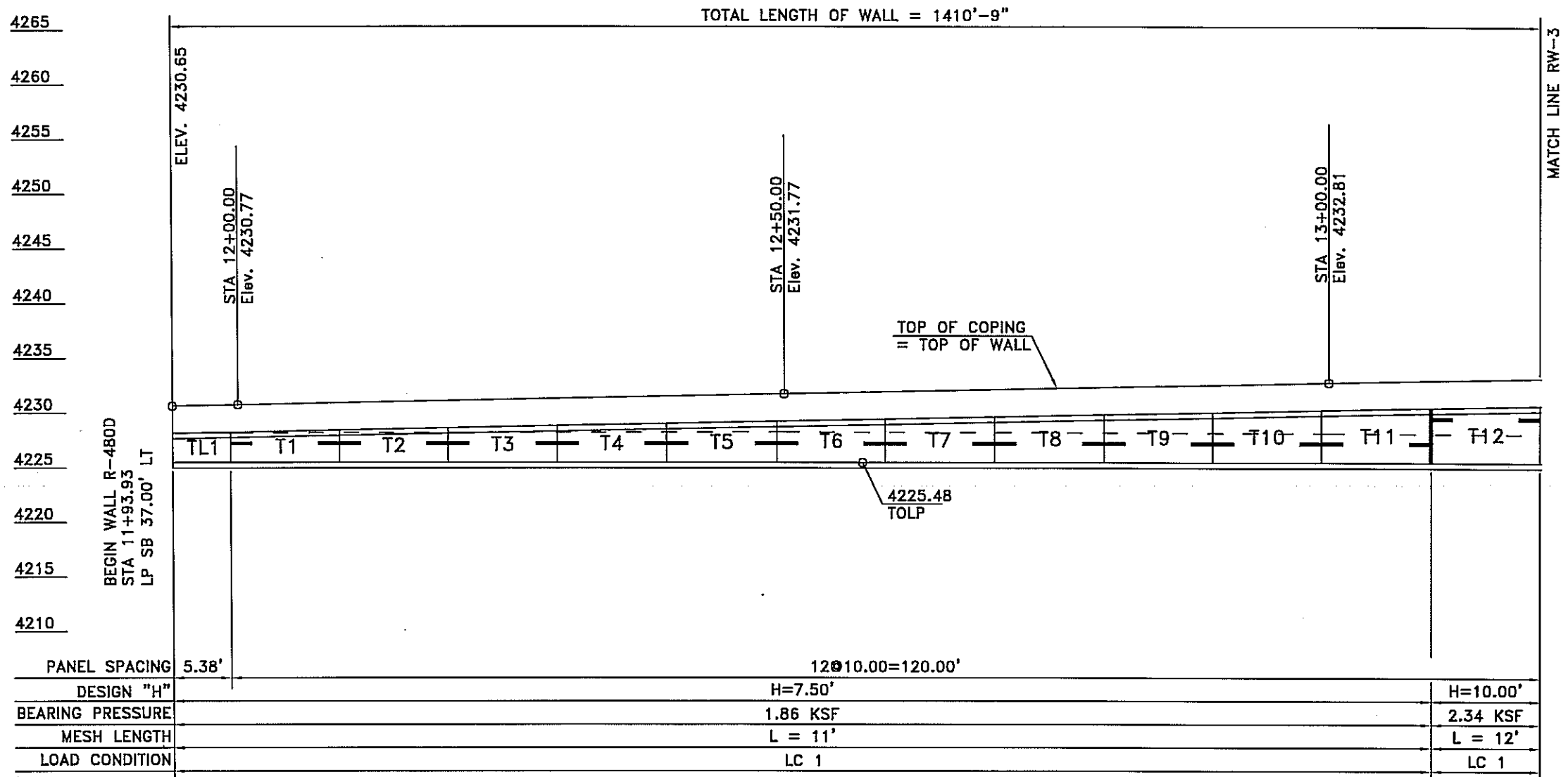
ISSUED FOR APPROVAL  
9/21/07  
BY SSL

	AM	BY
	AM	AM
	FULL HEIGHT PANELS + COMMENTS	COMMENTS + MATERIAL CHANGE
	NO.	DATE
2	9/21/07	
1	9/21/07	



Specializing In  
Contractor Products  
**SSL**  
1000 WEST  
4700 South Valley Dr. Suite 100  
South Valley, Utah 84086  
Phone: 801.433.8300  
Fax: 801.433.8340

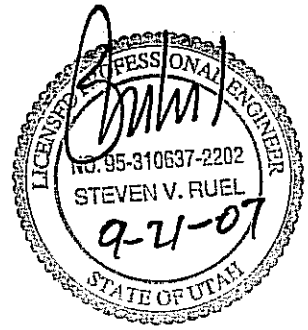
ELEVATIONS: WALL D - 1 OF 10  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4



**MSE WALL R-480D: ELEVATIONS**  
(FRONT FACE SHOWN)

- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
  - SEE THE GENERAL PROVISIONS FOR EARTH RETAINING STRUCTURES FOR MATERIAL AND CONSTRUCTION SPECIFICATIONS.
  - BEARING PRESSURES GIVEN ARE THE FACTORED BEARING PRESSURES BASED UPON TABLE 10.5.5.2.2-1 (FROM AASHTO LRFD 2007), WITH A FACTOR OF  $\phi_b = 0.65$

- SOIL REINFORCEMENT LENGTHS**
- MESH LENGTH SHOWN ABOVE BASE WIDTH LINE.
  - HEAVY VERTICAL LINES SEPARATE ZONES OF DIFFERENT MESH LENGTHS / DESIGN HEIGHTS.
  - MESH TYPES SHOWN BELOW MESH LENGTH LINE. (SEE STANDARD DETAIL SHEET FOR MESH KEY)
  - THE NUMBER PRECEDING THE MESH TYPE INDICATES THE NUMBER OF LAYERS OF THAT TYPE REQUIRED.



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Date: 7/19/07

Scale: NTS

Drawn By: AJM

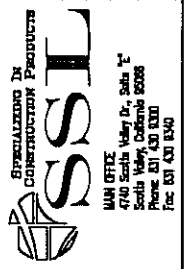
Job: 2606

Sheet: RW-2

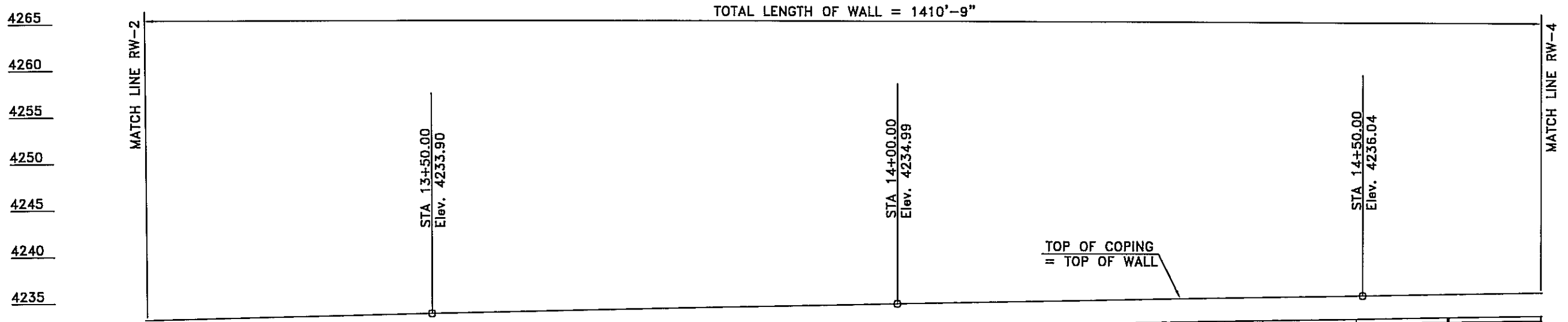
Sheet 2 of 53

ISSUED FOR APPROVAL  
9/21/07  
BY SSL

		AM	BY
		AM	AM
		FULL HEIGHT PANELS + COMMENTS	COMMENTS + MATERIAL CHANGE
		REVISION	REVISION
	2	7/19/07	DATE
	1	4/24/07	NO.



ELEVATIONS: WALL D - 2 OF 10  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

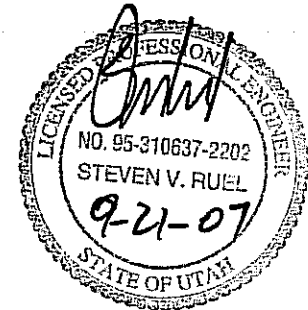


	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27
												A	A2	A	A
								4225.48 TOLP							4222.98 TOLP
PANEL SPACING	14@10.00=140.00'												10.00'		
DESIGN "H"	H=10.00'												H=12.50'	H=15.00'	
BEARING PRESSURE	2.34 KSF												2.65 KSF	3.20 KSF	
MESH LENGTH	L = 12'												L = 14'	L = 16'	
LOAD CONDITION	LC 1												LC 1	LC 1	

1(6W8X0.50W8)  
2(4W8X0.50W8)

1(6W8X0.50W8)  
3(4W8X0.50W8)

1(6W8X0.50W8)  
4(4W8X0.50W8)



- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
  - SEE THE GENERAL PROVISIONS FOR EARTH RETAINING STRUCTURES FOR MATERIAL AND CONSTRUCTION SPECIFICATIONS.
  - BEARING PRESSURES GIVEN ARE THE FACTORED BEARING PRESSURES BASED UPON TABLE 10.5.5.2.2-1 (FROM AASHTO LRFD 2007), WITH A FACTOR OF  $\phi_b = 0.65$

- SOIL REINFORCEMENT LENGTHS**
- MESH LENGTH SHOWN ABOVE BASE WIDTH LINE.
  - HEAVY VERTICAL LINES SEPARATE ZONES OF DIFFERENT MESH LENGTHS / DESIGN HEIGHTS.
  - MESH TYPES SHOWN BELOW MESH LENGTH LINE. (SEE STANDARD DETAIL SHEET FOR MESH KEY)
  - THE NUMBER PRECEDING THE MESH TYPE INDICATES THE NUMBER OF LAYERS OF THAT TYPE REQUIRED.

**MSE WALL R-480D: ELEVATIONS**  
(FRONT FACE SHOWN)

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Date: 7/19/07

Scale: NTS

Drawn By: AJM

Job: 2606

Sheet: RW-3

Sheet 3 of 53

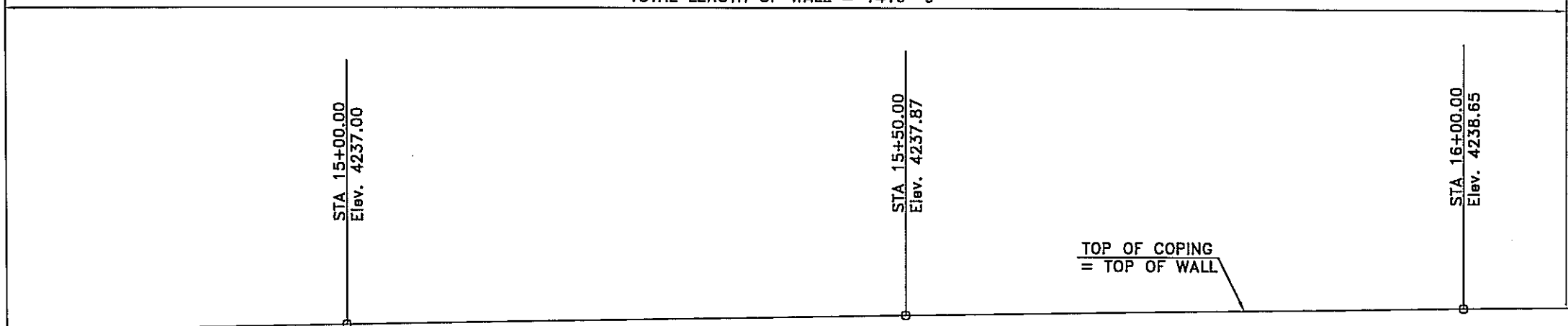
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4265  
4260  
4255  
4250  
4245  
4240  
4235  
4230  
4225  
4220  
4215  
4210

MATCH LINE RW-3

MATCH LINE RW-5

TOTAL LENGTH OF WALL = 1410'-9"



T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41
A	A	A	A	A	A	A	A	A	A	A	A	A	A
A2	A	A2	A	A2	A	A2	A	A2	A	A2	A	A2	A

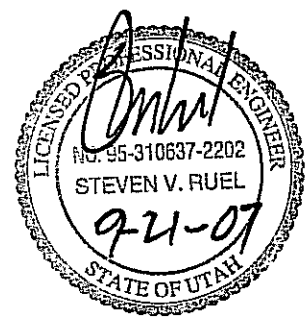
4222.98  
TOLP

PANEL SPACING	14@10.00=140.00'	
DESIGN "H"	H=15.00'	H=17.50'
BEARING PRESSURE	3.20 KSF	3.63 KSF
MESH LENGTH	L = 16'	L = 18'
LOAD CONDITION	LC 1	LC 1

1(6W8X0.50W8)  
4(4W8X0.50W8)

1(6W8X0.50W8)  
4-5(4W8X0.50W8)

- SOIL REINFORCEMENT LENGTHS**
- MESH LENGTH SHOWN ABOVE BASE WIDTH LINE.
  - HEAVY VERTICAL LINES SEPARATE ZONES OF DIFFERENT MESH LENGTHS / DESIGN HEIGHTS.
  - MESH TYPES SHOWN BELOW MESH LENGTH LINE. (SEE STANDARD DETAIL SHEET FOR MESH KEY)
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**MSE WALL R-480D: ELEVATIONS**  
(FRONT FACE SHOWN)

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NO.	DATE	REVISION
2	9/19/07	FULL HEIGHT PANELS + COMMENTS
1	9/21/07	COMMENTS + MATERIAL CHANGE



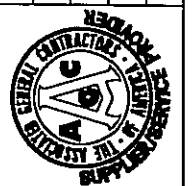
**SSL**  
SPECIALIZING IN  
CONSTRUCTION PRODUCTS  
MAIN OFFICE: Salt Lake City, Utah  
SALT LAKE CITY, UTAH  
PHONE: 801.431.8300  
FAX: 801.431.8340

ELEVATIONS: WALL D - 3 OF 10  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2606
Sheet:	RW-4
Sheet	4 of 53

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9/21/07  
BY SSL

NO.	DATE	REVISION
2	9/19/07	FULL HEIGHT PANELS + COMMENTS
1	4/27/07	COMMENTS + MATERIAL CHANGE



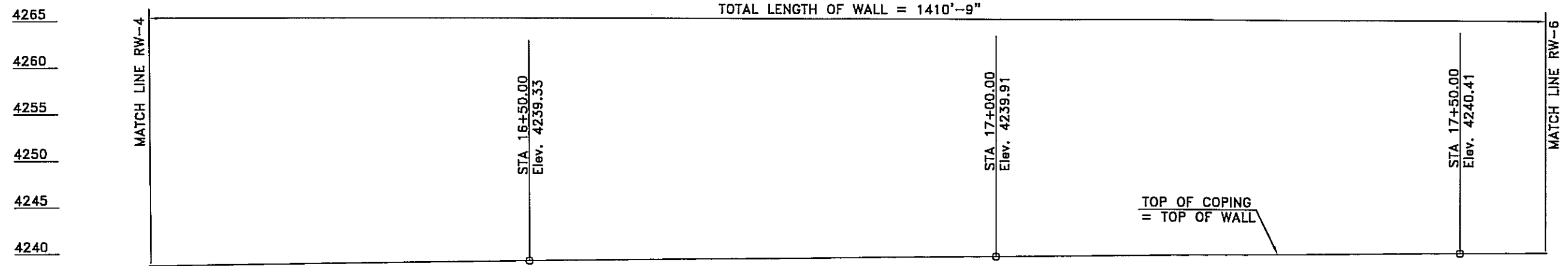
Specializing In  
CONSTRUCTION PRODUCTS

**SSL**

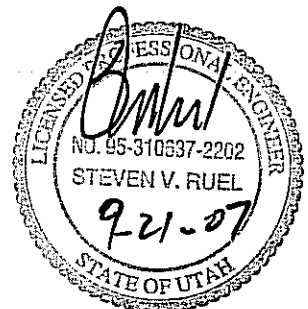
11400 UTRE  
6714 South Valley Dr., Suite 101  
South Valley, Oklahoma 74138  
Phone: 405.433.1331  
Fax: 405.433.1340

ELEVATIONS: WALL D - 4 OF 10  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

TOTAL LENGTH OF WALL = 1410'-9"



Panel	T42	T43	T44	T45	T46	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56
Design "H"	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bearing Pressure	A2	A	A2	A	A2	A	A2	A	A2	A	A	A2	A	A	A
Panel Spacing	10@10.00=100.00'									3@10.00=30.00'			2@10.00=20.00'		
Design "H"	H=17.50'									H=20.00'			H=25.00'		
Bearing Pressure	3.63 KSF									3.98 KSF			4.38 KSF		
Mesh Length	L = 18'									L = 21'			L = 39'		
Load Condition	LC 1									LC 1			LC 1B		
Reinforcement	1(6W8X0.50W8) 5(4W8X0.50W8)									1(6W8X0.50W8) 6(4W8X0.50W8)			8(4W8X0.50W8) 1(6W8X1.00W8)		



**MSE WALL R-480D: ELEVATIONS**  
(FRONT FACE SHOWN)

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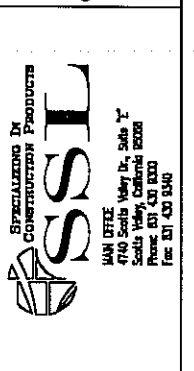
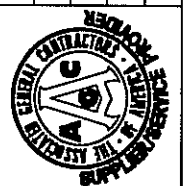
Job: 2606

Sheet: RW-5

Sheet 5 of 53

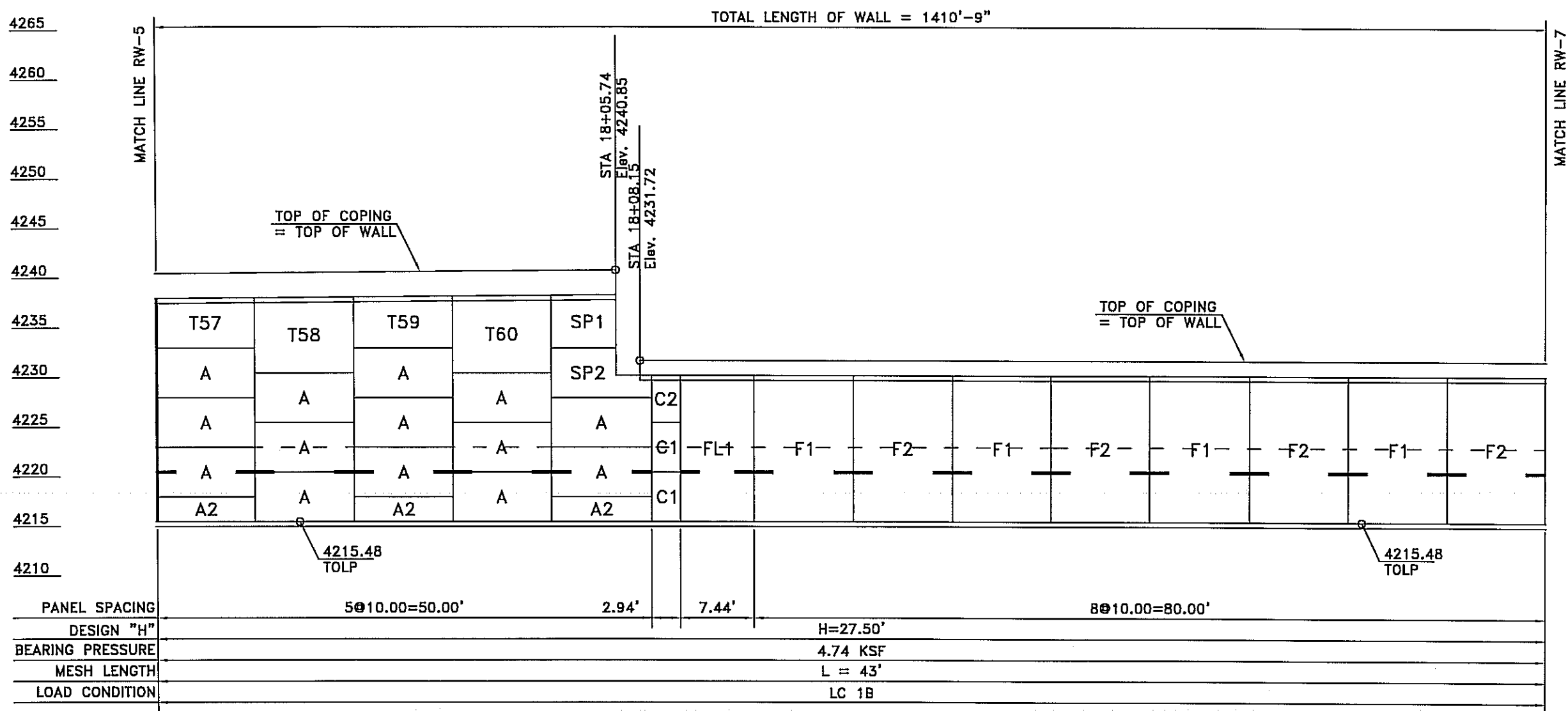
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9/21/07  
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AM	AM	BY
FULL HEIGHT PANELS + COMMENTS		
COMMENTS + MATERIAL CHANGE		
NO.	DATE	REVISION
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1	9/21/07	



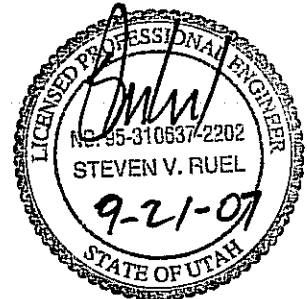
ELEVATIONS: WALL D - 5 OF 10  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2606
Sheet:	RW-6
Sheet	6 of 53



TOTAL LENGTH OF WALL = 1410'-9"

8-4(4WBX0.50W8)  
2(6WBX1.00W8)



### MSE WALL R-480D: ELEVATIONS

(FRONT FACE SHOWN)

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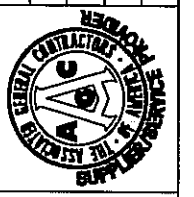
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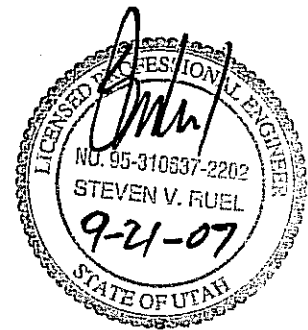
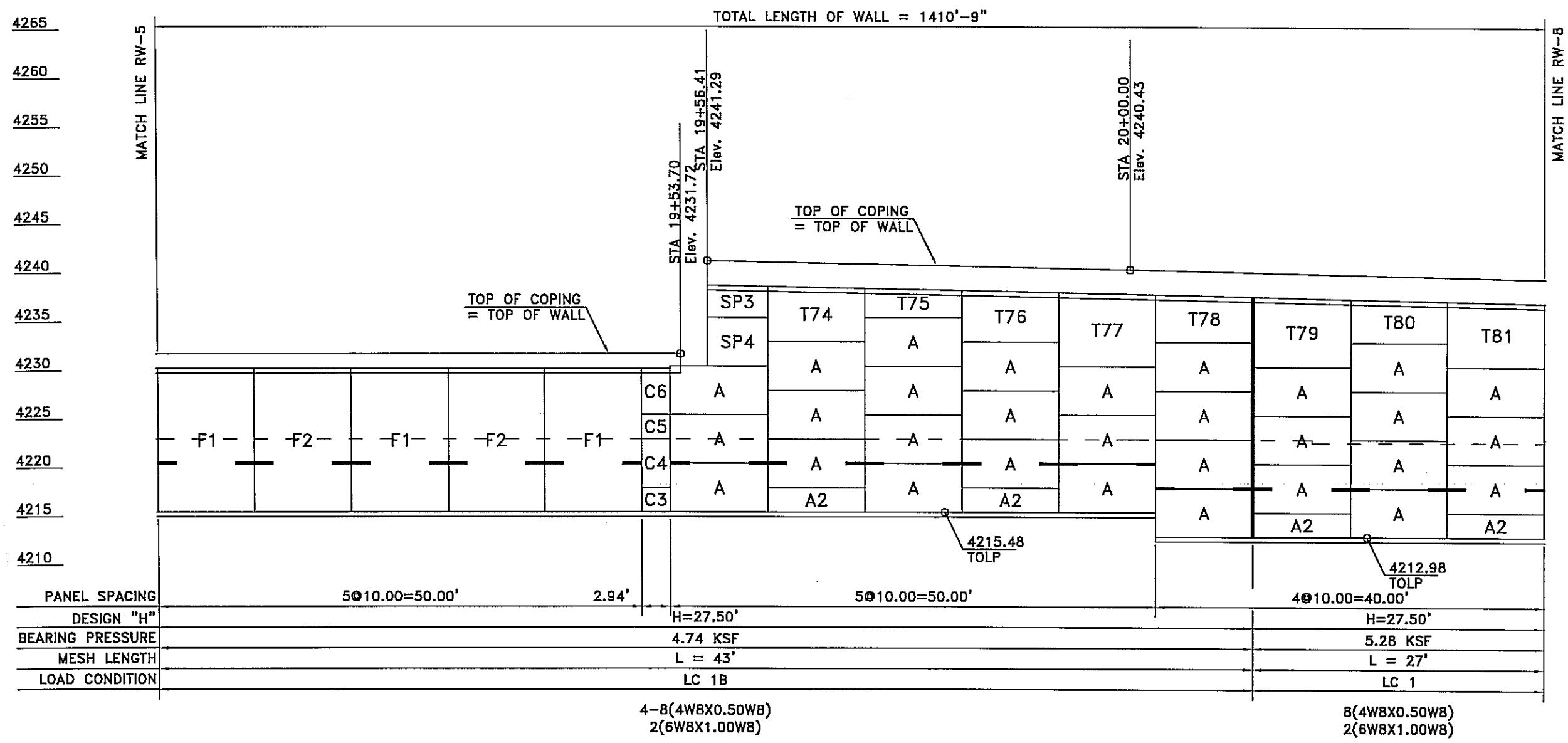
NO.	DATE	REVISION
2	9/17/07	FULL HEIGHT PANELS + COMMENTS
1	4/2/07	COMMENTS + MATERIAL CHANGE



Specialties By Construction Products  
**SSL**  
USA OFFICE  
4745 South Valley Dr., Suite 17  
Santa Valley, California 95080  
Phone 951 431 6330  
Fax 951 431 6340

ELEVATIONS: WALL D - 6 OF 10  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2606
Sheet:	RW-7
Sheet	7 of 53



- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
  - SEE THE GENERAL PROVISIONS FOR EARTH RETAINING STRUCTURES FOR MATERIAL AND CONSTRUCTION SPECIFICATIONS.
  - BEARING PRESSURES GIVEN ARE THE FACTORED BEARING PRESSURES BASED UPON TABLE 10.5.5.2.2-1 (FROM AASHTO LRFD 2007), WITH A FACTOR OF  $\phi_b = 0.65$

- SOIL REINFORCEMENT LENGTHS**
- MESH LENGTH SHOWN ABOVE BASE WIDTH LINE.
  - HEAVY VERTICAL LINES SEPARATE ZONES OF DIFFERENT MESH LENGTHS / DESIGN HEIGHTS.
  - MESH TYPES SHOWN BELOW MESH LENGTH LINE. (SEE STANDARD DETAIL SHEET FOR MESH KEY)
  - THE NUMBER PRECEDING THE MESH TYPE INDICATES THE NUMBER OF LAYERS OF THAT TYPE REQUIRED.

**MSE WALL R-480D: ELEVATIONS**  
(FRONT FACE SHOWN)

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9/21/07  
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NO.	DATE	REVISION
2	9/27/07	FULL HEIGHT PANELS + COMMENTS
1	8/20/07	COMMENTS + MATERIAL CHANGE

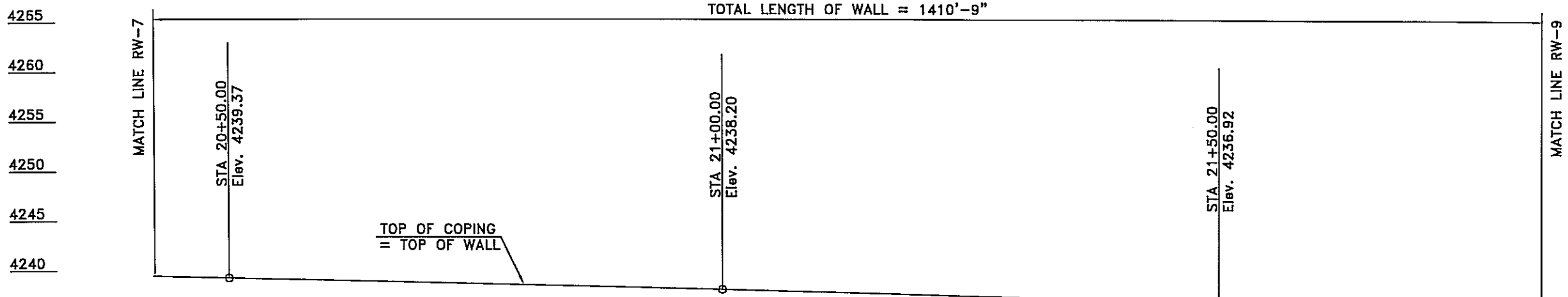


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1740 South Valley Dr., Suite 101  
South Valley, California 92386  
Phone 951-433-1330  
Fax 951-433-1340

ELEVATIONS: WALL D - 7 OF 10  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

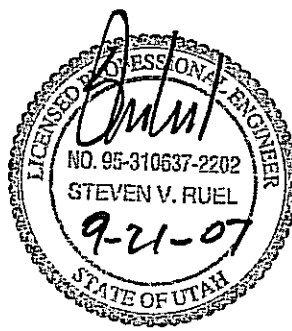
Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2606
Sheet:	RW-8
Sheet	B of 53

TOTAL LENGTH OF WALL = 1410'-9"



4235	T82	T83	T84	T85	T86	T87	T88	T89	T90	T91	T92	T93	T94	T95
4230	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4225	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4220	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4215	A	A2	A	A2	A	A2	A	A2	A	A2	A	A2	A	A2

4210	<p>4212.98 TOLP 14@10.00=140.00'</p>													
PANEL SPACING	H=27.50'							H=25.00'						
DESIGN "H"	5.28 KSF							4.85 KSF						
BEARING PRESSURE	L = 27'							L = 25'						
MESH LENGTH	LC 1							LC 1						
LOAD CONDITION	8(4W8X0.50WB) 2(6W8X1.00WB)							8(4W8X0.50WB) 1(6W8X1.00WB)						



MSE WALL R-480D: ELEVATIONS  
(FRONT FACE SHOWN)

- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
  - SEE THE GENERAL PROVISIONS FOR EARTH RETAINING STRUCTURES FOR MATERIAL AND CONSTRUCTION SPECIFICATIONS.
  - BEARING PRESSURES GIVEN ARE THE FACTORED BEARING PRESSURES BASED UPON TABLE 10.5.5.2.2-1 (FROM AASHTO LRFD 2007), WITH A FACTOR OF  $\phi_b = 0.65$

- SOIL REINFORCEMENT LENGTHS**
- MESH LENGTH SHOWN ABOVE BASE WIDTH LINE.
  - HEAVY VERTICAL LINES SEPARATE ZONES OF DIFFERENT MESH LENGTHS / DESIGN HEIGHTS.
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  - THE NUMBER PRECEDING THE MESH TYPE INDICATES THE NUMBER OF LAYERS OF THAT TYPE REQUIRED.

FOR QUESTIONS OR INFORMATION PLEASE CONTACT ANDREW MECKLER AT THE MAIN OFFICE

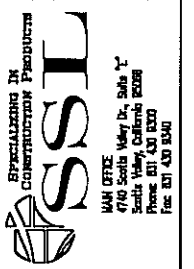
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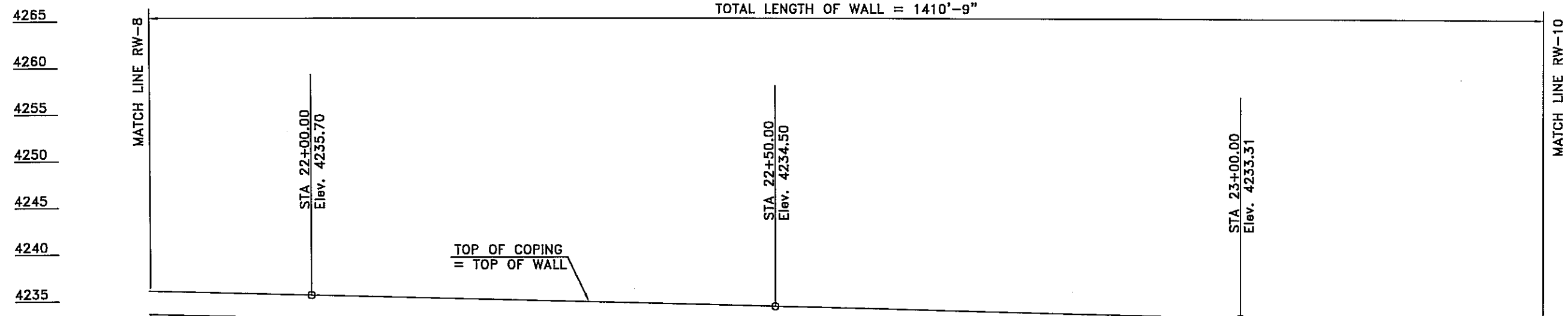
NO.	DATE	REVISION
2	7/19/07	FULL HEIGHT PANELS + COMMENTS
1	4/17/07	COMMENTS + MATERIAL CHANGE



ELEVATIONS: WALL D - 8 OF 10  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2606
Sheet:	RW-9
Sheet	9 of 53

TOTAL LENGTH OF WALL = 1410'-9"

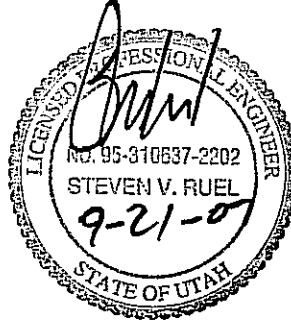


4230	T96	T97	T98	T99	T100	T101	T102	T103	T104	T105	T106	T107	T108	T109	T110
4225	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4220	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4215	A	A2	A	A2	A	A2	A	A2	A	A2	A	A2	A	A2	A

PANEL SPACING	15 @ 10.00 = 150.00'		4212.98 TOLP
DESIGN "H"	H=25.00'	H=22.50'	H=20.00'
BEARING PRESSURE	4.85 KSF	4.42 KSF	3.98 KSF
MESH LENGTH	L = 25'	L = 23'	L = 21'
LOAD CONDITION	LC 1	LC 1	LC 1
	8(4W8X0.50W8) 1(6W8X1.00W8)	8-7(4W8X0.50W8)	1(6W8X0.50W8) 6(4W8X0.50W8)

- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
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- MESH LENGTH SHOWN ABOVE BASE WIDTH LINE.
  - HEAVY VERTICAL LINES SEPARATE ZONES OF DIFFERENT MESH LENGTHS / DESIGN HEIGHTS.
  - MESH TYPES SHOWN BELOW MESH LENGTH LINE. (SEE STANDARD DETAIL SHEET FOR MESH KEY)
  - THE NUMBER PRECEDING THE MESH TYPE INDICATES THE NUMBER OF LAYERS OF THAT TYPE REQUIRED.



**MSE WALL R-480D: ELEVATIONS**  
(FRONT FACE SHOWN)

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9/21/07  
BY SSL

AM	AM	BY
FULL HEIGHT PANELS + COMMENTS		
COMMENTS + MATERIAL CHANGE		REVISION
2	9/19/07	NO. DATE
1	9/21/07	

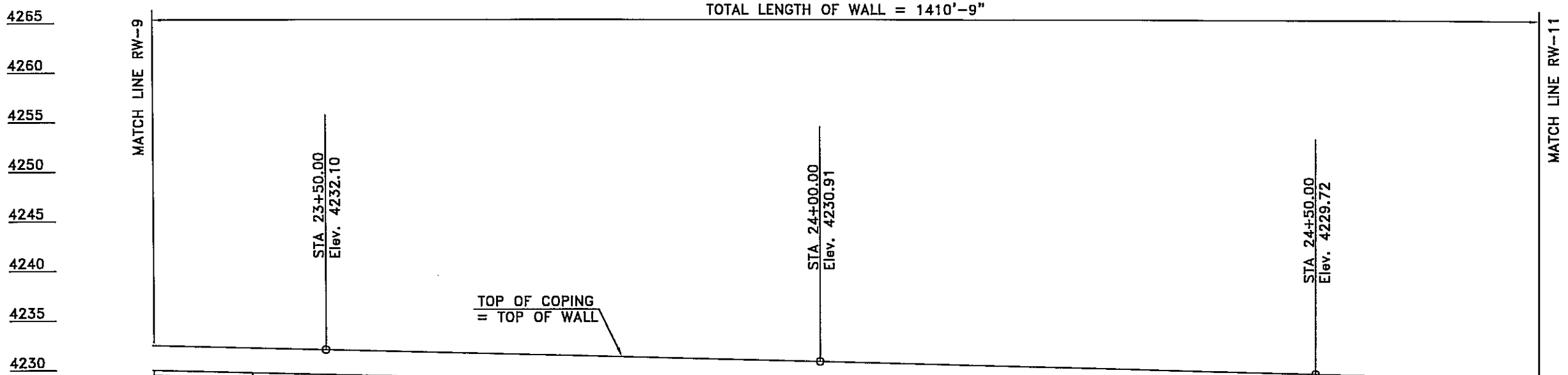


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Phone: 313.331.0300  
Fax: 313.331.0300

ELEVATIONS: WALL D - 9 OF 10  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2606
Sheet:	RW-10
Sheet	10 of 53

TOTAL LENGTH OF WALL = 1410'-9"

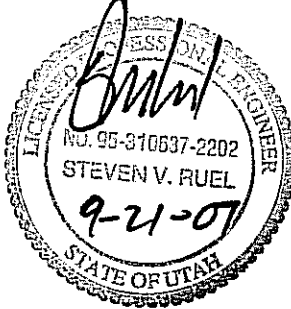


4265	T111	T112	T113	T114	T115	T116	T117	T118	T119	T120	T121	T122	T123	T124
4260	-A-		-A-		-A-		-A-							
4255		A		A		A		A		A		A		A
4250		A		A		A		A		A		A		A
4245		A		A		A		A		A		A		A
4240		A		A		A		A		A		A		A
4235		A		A		A		A		A		A		A
4230		A		A		A		A		A		A		A
4225		A		A		A		A		A		A		A
4220		A		A		A		A		A		A		A
4215		A		A		A		A		A		A		A
4210		A		A		A		A		A		A		A

	4212.98 TOLP													
	14@10.00=140.00'													
PANEL SPACING	H=20.00'							H=17.50'						
DESIGN "H"	3.98 KSF							3.63 KSF						
BEARING PRESSURE	L = 21'							L = 18'						
MESH LENGTH	LC 1							LC 1						
LOAD CONDITION	1(6W8X0.50W8) 6(4W8X0.50W8)							1(6W8X0.50W8) 5(4W8X0.50W8)						

- GENERAL NOTES:**
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  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
  - SEE THE GENERAL PROVISIONS FOR EARTH RETAINING STRUCTURES FOR MATERIAL AND CONSTRUCTION SPECIFICATIONS.
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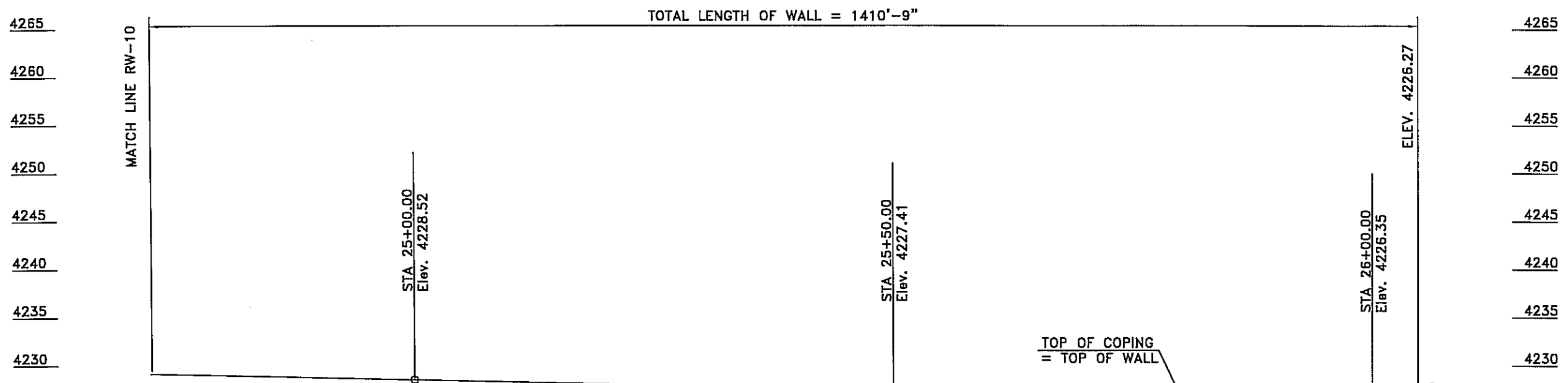
**MSE WALL R-480D: ELEVATIONS**  
(FRONT FACE SHOWN)

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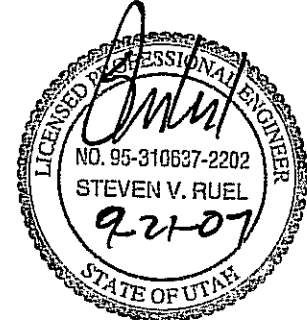
4265	TOTAL LENGTH OF WALL = 1410'-9"												4265		
4260													4260		
4255													4255		
4250													4250		
4245													4245		
4240													4240		
4235													4235		
4230													4230		
4225	T125	T126	T127	T128	T129	T130	T131	T132	T133	T134	T135	T136	T137	TR3	4225
4220	A	A	A	A	A	A	A	A	A	A	A	A	A	R1	4220
4215	A2	SP10	A2	A	A2	A	A2	A	A2	A	A2	A	A2	R1	4215
4210													4210		
PANEL SPACING	13@10.00=130.00'						2.05'						PANEL SPACING		
DESIGN "H"	H=17.50'						H=15.00'						DESIGN "H"		
BEARING PRESSURE	3.63 KSF						3.20 KSF						BEARING PRESSURE		
MESH LENGTH	L = 18'						L = 16'						MESH LENGTH		
LOAD CONDITION	LC 1						LC 1						LOAD CONDITION		

1(6WBX0.50WB)  
5(4WBX0.50WB)

1(6WBX0.50WB)  
4(4WBX0.50WB)

- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
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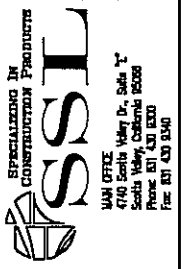
**MSE WALL R-480D: ELEVATIONS**  
(FRONT FACE SHOWN)

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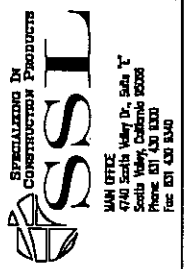
NO.	DATE	REVISION
2	9/17/07	FILL HEIGHT PANELS + COMMENTS
1	8/21/07	COMMENTS + MATERIAL CHANGE



ELEVATIONS: WALL D - 10 OF 10  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2606
Sheet:	RW-11
Sheet 11 of 53	

NO.	DATE	COMMENTS + MATERIAL CHANGE	BY
2	9/21/07	FULL HEIGHT PANELS + COMMENTS	AJM
1	9/21/07	COMMENTS + MATERIAL CHANGE	AJM



ELEVATIONS: WALL E - 1 OF 7  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

FOR QUESTIONS OR INFORMATION PLEASE CONTACT ANDREW MECKLER AT THE MAIN OFFICE

Date: 7/19/07

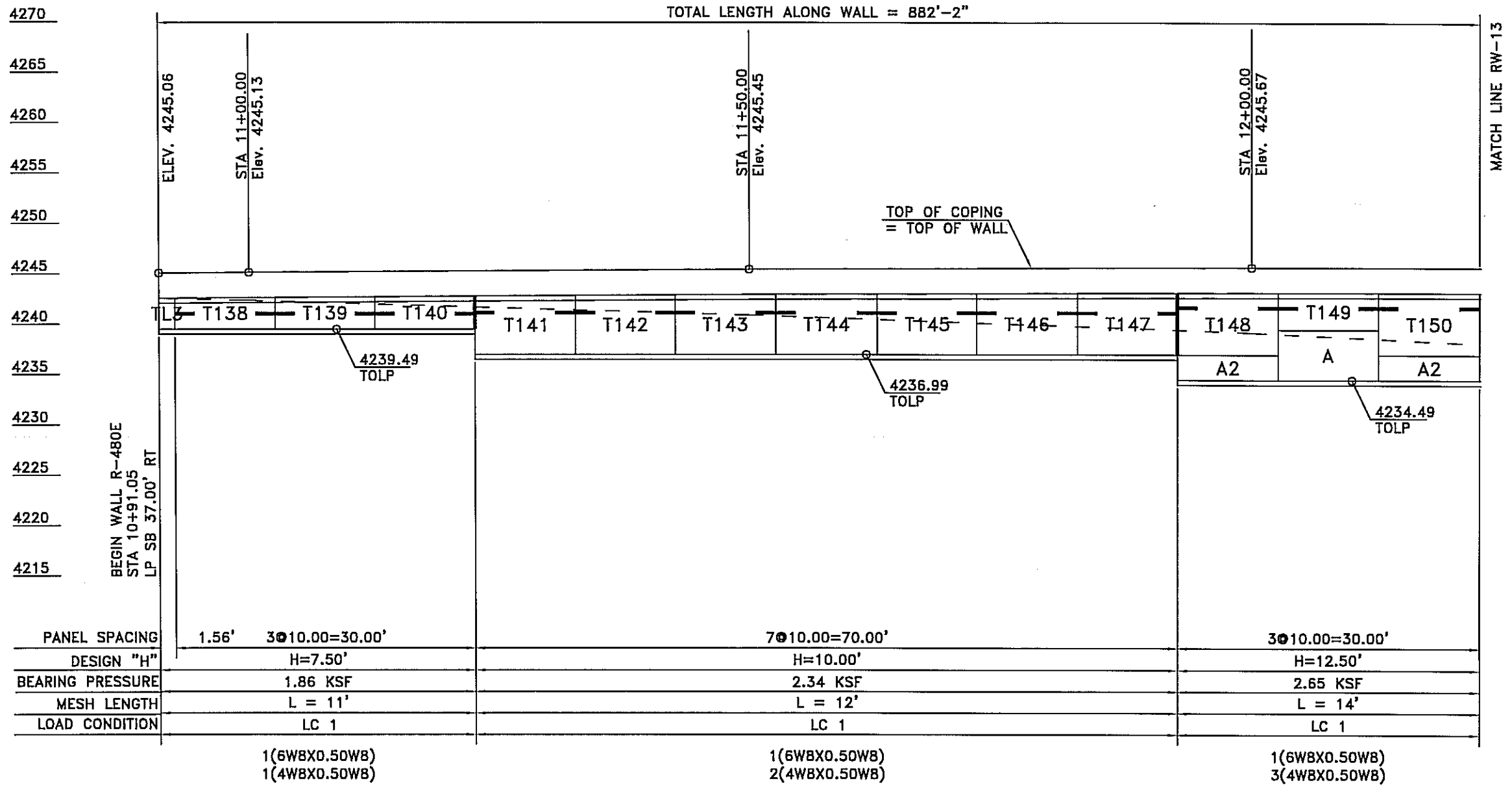
Scale: NTS

Drawn By: AJM

Job: 2606

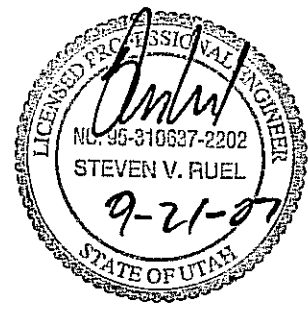
Sheet: RW-12

Sheet 12 of 53



- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
  - SEE THE GENERAL PROVISIONS FOR EARTH RETAINING STRUCTURES FOR MATERIAL AND CONSTRUCTION SPECIFICATIONS.
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  - HEAVY VERTICAL LINES SEPARATE ZONES OF DIFFERENT MESH LENGTHS / DESIGN HEIGHTS.
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  - THE NUMBER PRECEDING THE MESH TYPE INDICATES THE NUMBER OF LAYERS OF THAT TYPE REQUIRED.



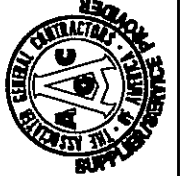
**MSE WALL R-480E: ELEVATIONS**  
(FRONT FACE SHOWN)

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ISSUED FOR APPROVAL  
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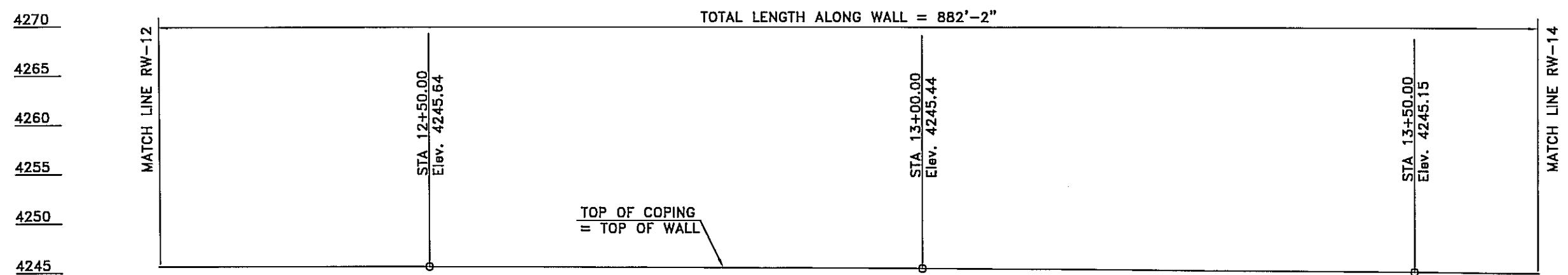
AM	AM	BY
FULL HEIGHT PANELS + COMMENTS		REVISION
COMMENTS + MATERIAL CHANGE		
NO.	DATE	
2	9/21/07	
1	4/2/07	



SSS  
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Phone: 801.431.1300  
Fax: 801.431.1340

ELEVATIONS: WALL E - 2 OF 7  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

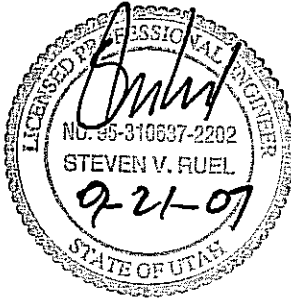
Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2506
Sheet:	RW-13
Sheet 13	of 53



4240	T151	T152	T153	T154	T155	T156	T157	T158	T159	T160	T161	T162	T163	T164
4235	A	A2	A	A	A	A	A	A	A	A	A	A	A	A
4230		4234.49 TOLP			4231.99 TOLP				4229.49 TOLP			4226.99 TOLP		
4225	2@10.00=20.00'		5@10.00=50.00'				4@10.00=40.00'			3@10.00=30.00'				
4220	DESIGN "H" H=12.50'		DESIGN "H" H=15.00'				DESIGN "H" H=17.50'			DESIGN "H" H=20.00'				
4215	BEARING PRESSURE 2.65 KSF		BEARING PRESSURE 3.20 KSF				BEARING PRESSURE 3.63 KSF			BEARING PRESSURE 3.98 KSF				
	MESH LENGTH L = 14'		MESH LENGTH L = 16'				MESH LENGTH L = 18'			MESH LENGTH L = 21'				
	LOAD CONDITION LC 1		LOAD CONDITION LC 1				LOAD CONDITION LC 1			LOAD CONDITION LC 1				
	1(6W8X0.50W8) 3(4W8X0.50W8)		1(6W8X0.50W8) 4(4W8X0.50W8)				1(6W8X0.50W8) 5(4W8X0.50W8)			1(6W8X0.50W8) 6(4W8X0.50W8)				

- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
  - SEE THE GENERAL PROVISIONS FOR EARTH RETAINING STRUCTURES FOR MATERIAL AND CONSTRUCTION SPECIFICATIONS.
  - BEARING PRESSURES GIVEN ARE THE FACTORED BEARING PRESSURES BASED UPON TABLE 10.5.5.2.2-1 (FROM AASHTO LRFD 2007), WITH A FACTOR OF  $\phi_b = 0.65$

- SOIL REINFORCEMENT LENGTHS**
- MESH LENGTH SHOWN ABOVE BASE WIDTH LINE.
  - HEAVY VERTICAL LINES SEPARATE ZONES OF DIFFERENT MESH LENGTHS / DESIGN HEIGHTS.
  - MESH TYPES SHOWN BELOW MESH LENGTH LINE. (SEE STANDARD DETAIL SHEET FOR MESH KEY)
  - THE NUMBER PRECEDING THE MESH TYPE INDICATES THE NUMBER OF LAYERS OF THAT TYPE REQUIRED.



**MSE WALL R-480E: ELEVATIONS**  
(FRONT FACE SHOWN)

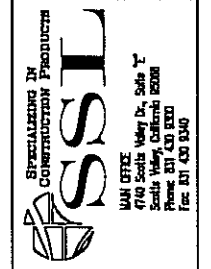
FOR QUESTIONS OR INFORMATION PLEASE CONTACT ANDREW MECKLER AT THE MAIN OFFICE

THE DESIGN OF THESE MSE PLUS<sub>w</sub> WALLS IS BASED ON THE ASSUMPTION THAT ALL MATERIALS AND METHODS OF CONSTRUCTION CONFORM TO THE SPECIFICATIONS FOR MSE PLUS<sub>w</sub> RETAINING WALLS, THE PROJECT BID DOCUMENTS, AND THE BACKFILL CHARACTERISTICS LISTED ON SHEET RW-1.

THESE DRAWINGS, AS WELL AS THE DESIGN, ARE CERTIFIED WITH RESPECT TO THE INTERNAL STABILITY OF THE MSE PLUS<sub>w</sub> STRUCTURES ONLY. EXTERNAL STABILITY INCLUDING, BUT NOT LIMITED TO, SLOPE AND FOUNDATION STABILITY IS THE RESPONSIBILITY OF THE OWNER AND THE ENGINEER FOR THE OWNER.

ISSUED FOR APPROVAL  
9/21/07  
BY SSL

AM	AM	BT
	FULL HEIGHT PANELS + COMMENTS	
	COMMENTS + MATERIAL CHANGE	
	REVISION	
2	7/9/07	NO. DATE
1	7/9/07	



ELEVATIONS: WALL E - 3 OF 7  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

FOR QUESTIONS OR INFORMATION PLEASE CONTACT ANDREW MECKLER AT THE MAIN OFFICE

Date: 7/19/07

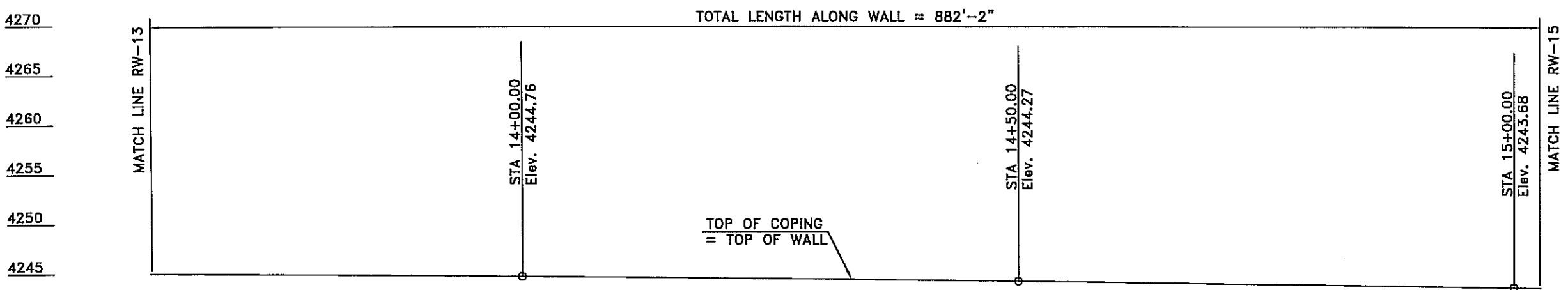
Scale: NTS

Drawn By: AJM

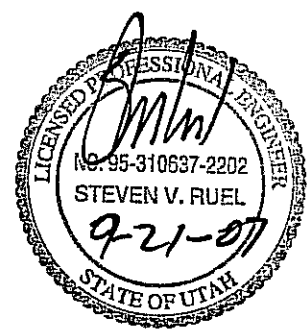
Job: 2606

Sheet: RW-14

Sheet 14 of 53



	T165	T166	T167	T168	T169	T170	T171	T172	T173	T174	T175	T176	T177	T178
4270														
4265														
4260														
4255														
4250														
4245														
4240	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4235	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4230	A2	A	A	A	A	A	A	A	A	A	A	A	A	A
4225	4226.99 TOLP	A2	A	A2	A	A	A2	A	A2	A	A	A	A	A
4220				4224.49 TOLP				4221.99 TOLP						
4215											4219.49 TOLP			4216.99 TOLP
PANEL SPACING	10.00'	4@10.00=40.00'				5@10.00=50.00'				10.00'	3@10.00=30.00'			
DESIGN "H"	H=20.00'					H=22.50'				H=25.00'	H=27.50'			
BEARING PRESSURE	3.98 KSF					4.42 KSF				4.85 KSF	4.74 KSF			
MESH LENGTH	L = 21'					L = 23'				L = 25'	L = 43'			
LOAD CONDITION	LC 1					LC 1				LC 1	LC 1B			
	1(6W8X0.50WB) 6(4W8X0.50WB)					8-7(4W8X0.50WB)				8-7(4W8X0.50WB) 1(6W8X1.00WB)	8(4W8X0.50WB) 2(6W8X1.00WB)			



### MSE WALL R-480E: ELEVATIONS (FRONT FACE SHOWN)

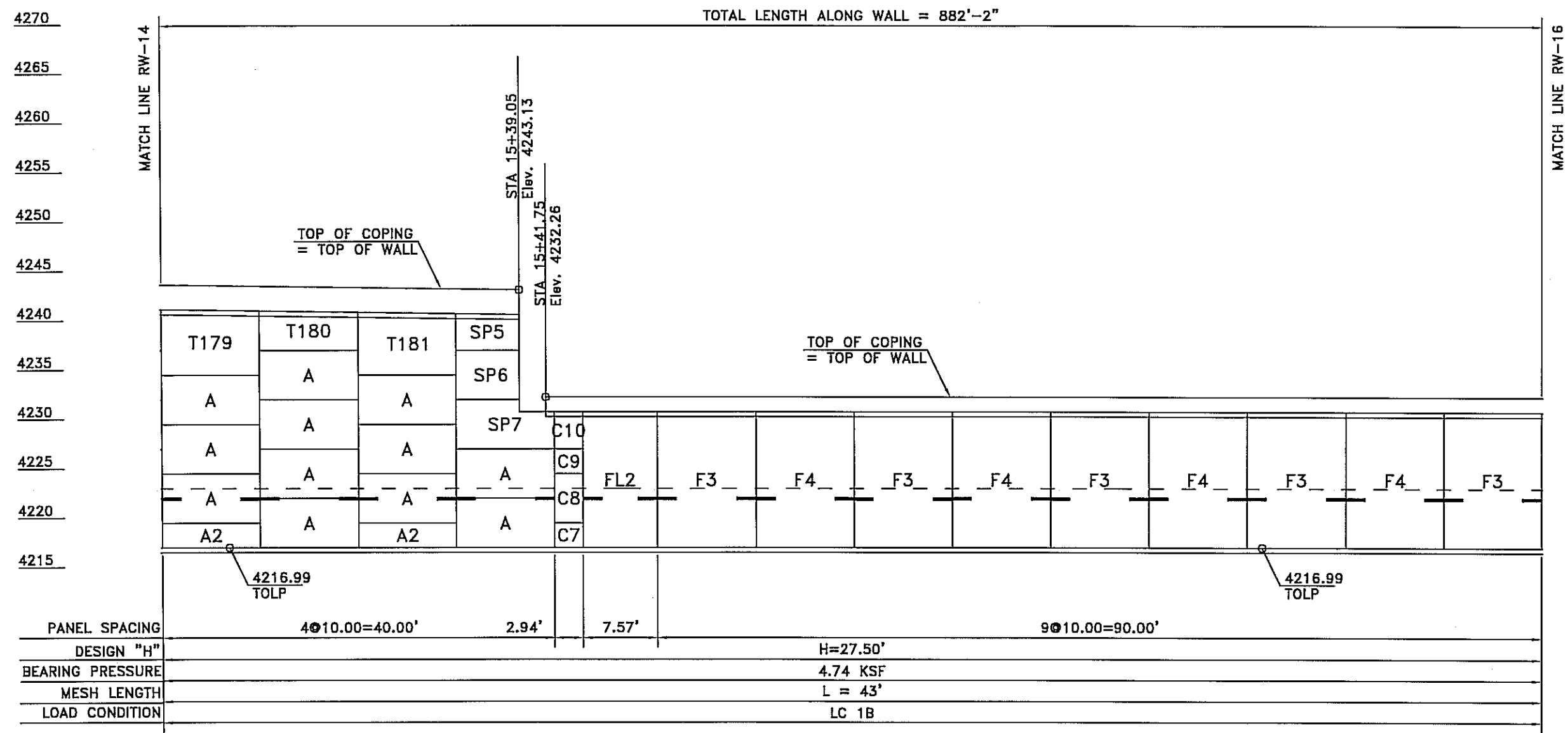
- GENERAL NOTES:**
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  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
  - SEE THE GENERAL PROVISIONS FOR EARTH RETAINING STRUCTURES FOR MATERIAL AND CONSTRUCTION SPECIFICATIONS.
  - BEARING PRESSURES GIVEN ARE THE FACTORED BEARING PRESSURES BASED UPON TABLE 10.5.5.2.2-1 (FROM AASHTO LRFD 2007), WITH A FACTOR OF  $\phi_b = 0.65$

- SOIL REINFORCEMENT LENGTHS**
- MESH LENGTH SHOWN ABOVE BASE WIDTH LINE.
  - HEAVY VERTICAL LINES SEPARATE ZONES OF DIFFERENT MESH LENGTHS / DESIGN HEIGHTS.
  - MESH TYPES SHOWN BELOW MESH LENGTH LINE. (SEE STANDARD DETAIL SHEET FOR MESH KEY)
  - THE NUMBER PRECEDING THE MESH TYPE INDICATES THE NUMBER OF LAYERS OF THAT TYPE REQUIRED.

THE DESIGN OF THESE MSE PLUS<sup>SM</sup> WALLS IS BASED ON THE ASSUMPTION THAT ALL MATERIALS AND METHODS OF CONSTRUCTION CONFORM TO THE SPECIFICATIONS FOR MSE PLUS<sup>SM</sup> RETAINING WALLS, THE PROJECT BID DOCUMENTS, AND THE BACKFILL CHARACTERISTICS LISTED ON SHEET RW-1.

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ISSUED FOR APPROVAL  
9/21/07  
BY SSL



NO.	DATE	REVISION
2	9/21/07	FULL HEIGHT PANELS + COMMENTS
1	8/21/07	COMMENTS + MATERIAL CHANGE



**SSL**  
SPECIALIZING IN CONSTRUCTION PRODUCTS

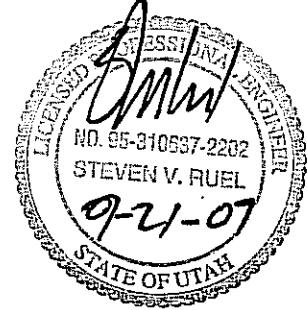
MAIN OFFICE  
4700 South Valley Dr., Suite 100  
South Valley, California 90088  
Phone: 818.433.8300  
Fax: 818.433.8340

ELEVATIONS: WALL E - 4 OF 7  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
  - SEE THE GENERAL PROVISIONS FOR EARTH RETAINING STRUCTURES FOR MATERIAL AND CONSTRUCTION SPECIFICATIONS.
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  - MESH TYPES SHOWN BELOW MESH LENGTH LINE. (SEE STANDARD DETAIL SHEET FOR MESH KEY)
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**MSE WALL R-480E: ELEVATIONS**  
(FRONT FACE SHOWN)



FOR QUESTIONS OR INFORMATION PLEASE CONTACT ANDREW MECKLER AT THE MAIN OFFICE

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Date: 7/19/07

Scale: NTS

Drawn By: AJM

Job: 2506

Sheet: RW-15

Sheet 15 of 53

		AM	BY
		AM	AM
		FULL HEIGHT PANELS + COMMENTS	COMMENTS + MATERIAL CHANGE
		REVISION	REVISION
		NO.	DATE
2	9/21/07		
1	8/20/07		



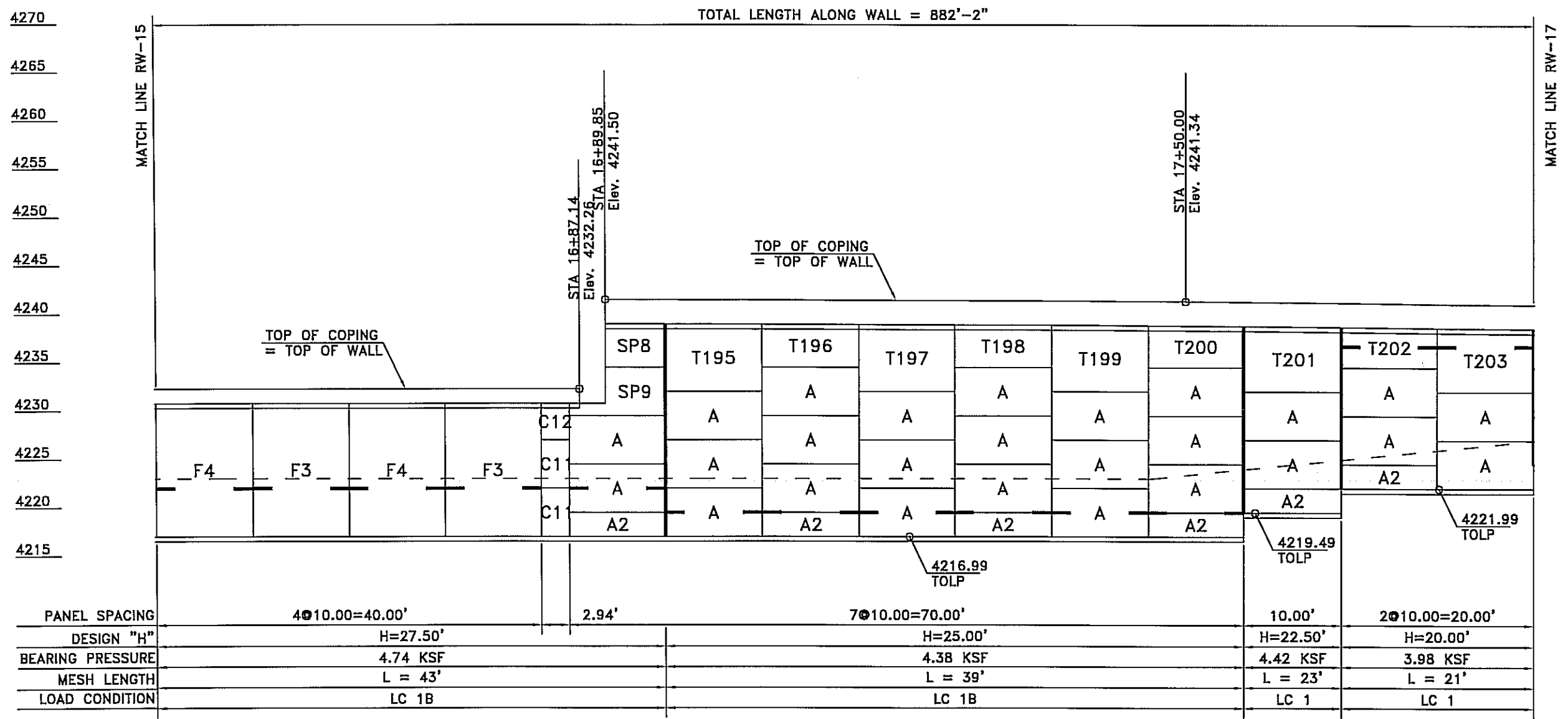
Specializing in Construction Products

**SSL**

MAIN OFFICE  
4710 South Valley Dr., Suite 101  
Salt Lake City, Utah 84106  
Phone: 801.433.8300  
Fax: 801.433.9340

ELEVATIONS: WALL E - 5 OF 7  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2606
Sheet:	RW-16
Sheet 16 of 53	



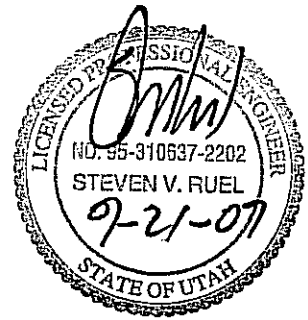
PANEL SPACING	4@10.00=40.00'	2.94'	7@10.00=70.00'	10.00'	2@10.00=20.00'
DESIGN "H"	H=27.50'		H=25.00'	H=22.50'	H=20.00'
BEARING PRESSURE	4.74 KSF		4.38 KSF	4.42 KSF	3.98 KSF
MESH LENGTH	L = 43'		L = 39'	L = 23'	L = 21'
LOAD CONDITION	LC 1B		LC 1B	LC 1	LC 1

4-8(4W8X0.50WB)  
2(6W8X1.00WB)

8(4W8X0.50WB)  
1(6W8X1.00WB)

8(4W8X0.50WB)

1(6W8X0.50WB)  
6(4W8X0.50WB)



MSE WALL R-480E: ELEVATIONS  
(FRONT FACE SHOWN)

- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
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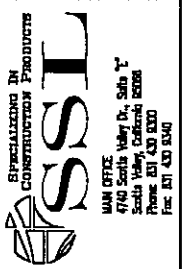
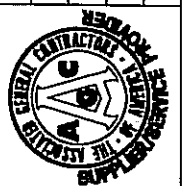
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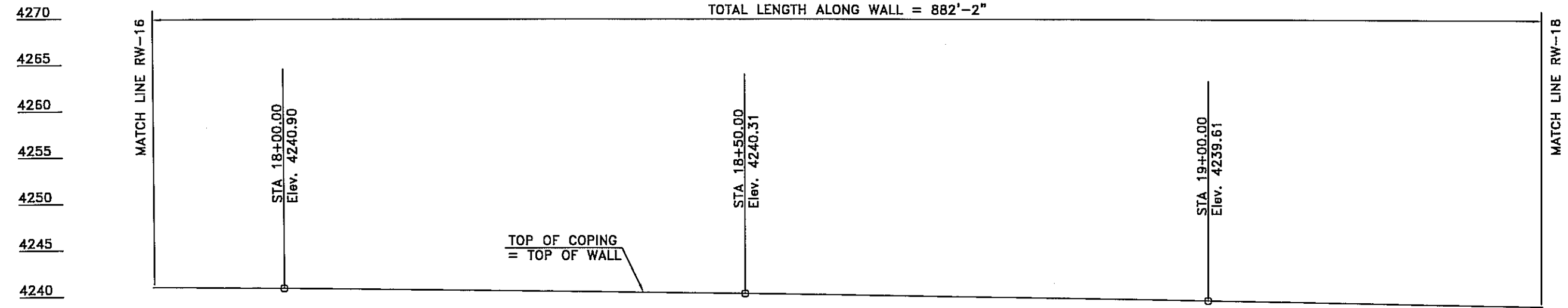
ISSUED FOR APPROVAL  
9/21/07  
BY SSL

	AM	BY
2	10/17/07	AM
1	4/20/07	AM
	NO.	DATE



ELEVATIONS: WALL E - 6 OF 7  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

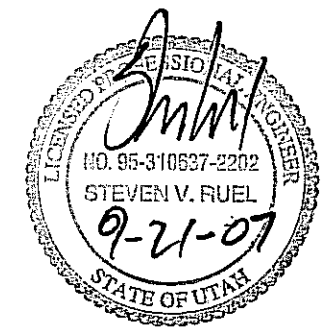
TOTAL LENGTH ALONG WALL = 882'-2"



	T204	T205	T206	T207	T208	T209	T210	T211	T212	T213	T214	T215	T216	T217	T218
	A	A	A	A	A	A	A	A2	A	A2					
	A	A2	A		A2	A									
	4224.49 TOLP	4224.49 TOLP			4226.99 TOLP					4229.49 TOLP					4231.99 TOLP
PANEL SPACING	3@10.00=30.00'			3@10.00=30.00'			6@10.00=60.00'					3@10.00=30.00'			
DESIGN "H"	H=17.50'			H=15.00'			H=12.50'					H=7.50'			
BEARING PRESSURE	3.63 KSF			3.20 KSF			2.65 KSF					1.86 KSF			
MESH LENGTH	L = 18'			L = 16'			L = 14'					L = 11'			
LOAD CONDITION	LC 1			LC 1			LC 1					LC 1			
	1(6W8X0.50W8) 5(4W8X0.50W8)			1(6W8X0.50W8) 4(4W8X0.50W8)			1(6W8X0.50W8) 3-2(4W8X0.50W8)					1(6W8X0.50W8) 1(4W8X0.50W8)			

- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
  - ELEVATIONS SHOWN BELOW WALL ARE TO TOP OF CAST-IN-PLACE LEVELING PAD.
  - SEE THE GENERAL PROVISIONS FOR EARTH RETAINING STRUCTURES FOR MATERIAL AND CONSTRUCTION SPECIFICATIONS.
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**MSE WALL R-480E: ELEVATIONS**  
(FRONT FACE SHOWN)

FOR QUESTIONS OR INFORMATION PLEASE CONTACT ANDREW MECKLER AT THE MAIN OFFICE

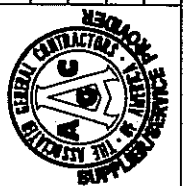
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Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2606
Sheet:	RW-17
Sheet	17 of 53

ISSUED FOR APPROVAL  
9/21/07  
BY SSL

NO.	DATE	REVISION
2	7/19/07	FULL HEIGHT PANELS + COMMENTS
1	4/21/07	COMMENTS + MATERIAL CHANGE



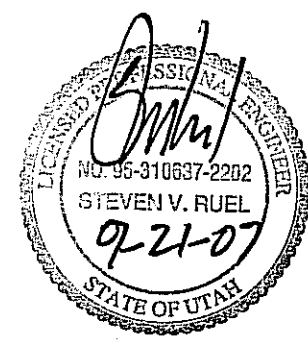
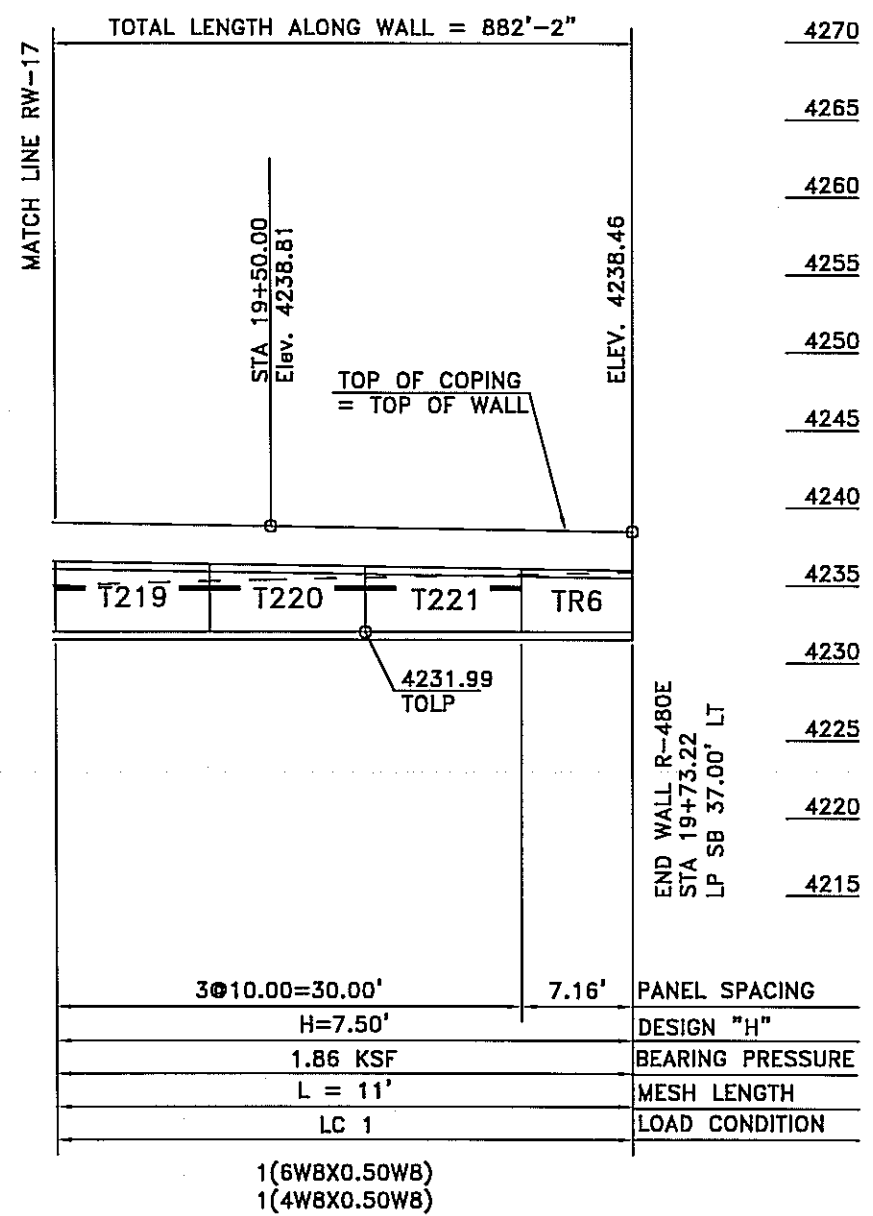
SPECIALIZING IN  
CONSTRUCTION PRODUCTS

**SSL**

MAIN OFFICE  
6740 South Valley Dr., Suite 100  
South Valley, California 92086  
Phone: 951-431-8300  
Fax: 951-431-8340

ELEVATIONS: WALL E - 7 OF 7  
LEGACY PARKWAY SEGMENT 2  
UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
PROJECT No. SP-0067(10)4

Date:	7/19/07
Scale:	NTS
Drawn By:	AJM
Job:	2606
Sheet:	RW-18
Sheet	18 of 53



MSE WALL R-480E: ELEVATIONS  
(FRONT FACE SHOWN)

- GENERAL NOTES:**
- ELEVATIONS SHOWN ABOVE WALL ARE TO TOP OF COPING.
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