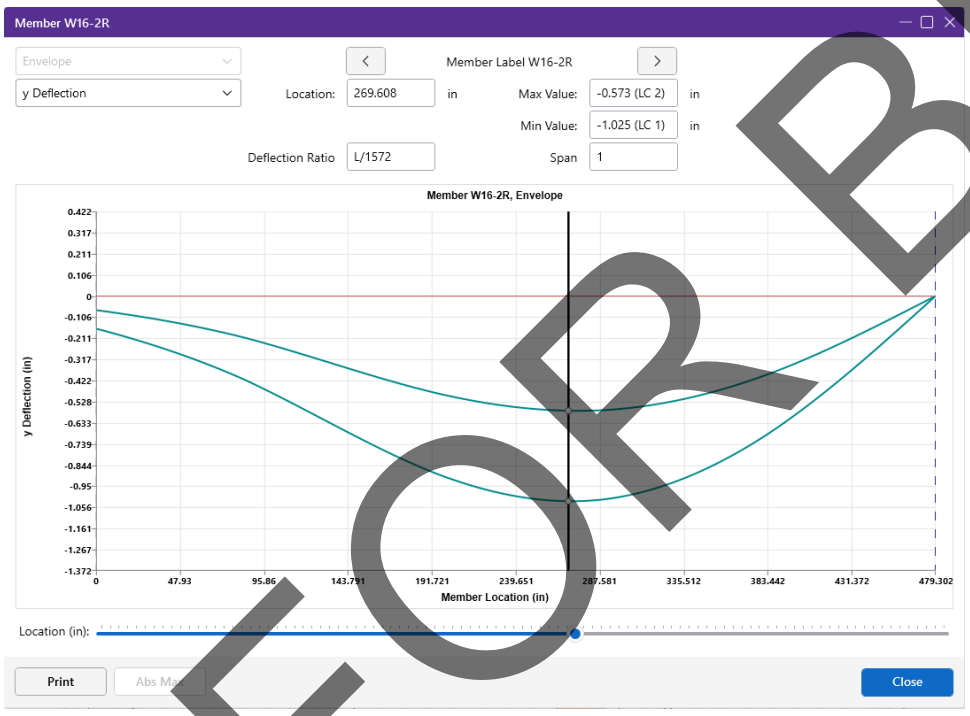
WT Group
77-711 Flora Road, Suite 219
Palm Desert, CA 92211
Phone: (760) 285-3033

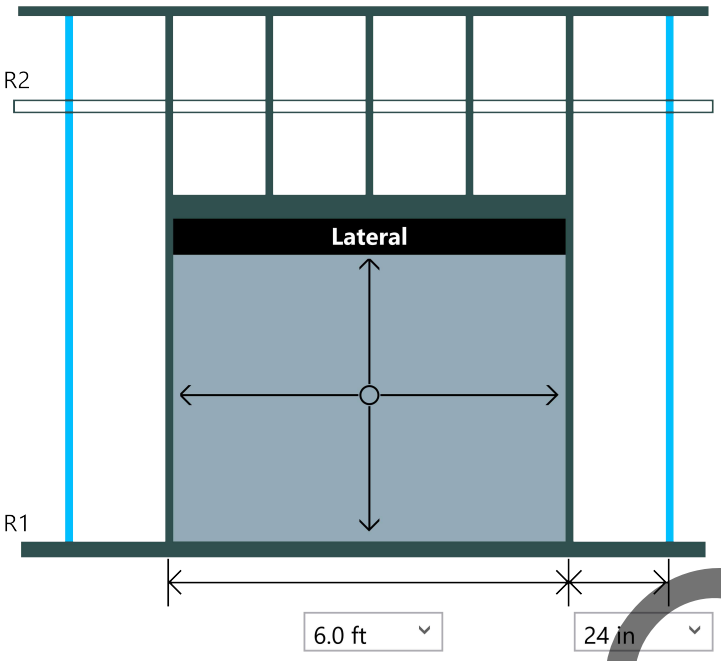
Project	Calc. by
Sheriff's Crime Lab - Remodel	CJS
Section	**Sheet no./rev.**
Structural Calculations	76
Job Ref.	**Date**
J2300064	06/14/2024

DEFLECTION CHECK

From RISA-3D analysis, the maximum deflection is in member W16-2R (existing W16X31):



Max. deflection	1.025 in	
Span length (excluding cantelever)	32'-9"	
Deflection ratio	L/383	> L/240 OK



Lateral Pressure to: 4-Ways

Design Loads

Wall Lateral Pressure :	**5 psf**
Parapet Lateral Pressure :	
RO Lateral Pressure :	**4-Ways**
Lateral element force multiplier	
Strength :	**1.0**
Deflection :	**0.7**
Header:	**Single Member**
Gravity Load at Header:	**5 psf**

Brace Settings

Component(s)	Members(s)	Flexural Bracing	Axial KyLy	Axial KtLt	Distortional K-Phi(lb-in/in)	Distortional Lm	Interconnection Spacing
Wall Studs	400S300-54(50), Single@24 in o/c	None	None	None	0	None	N/A
Jamb Studs	400S350-54(50), Single	None	None	None	0	None	N/A
Vertical Header	400S162-54(50), Y-Y Axis	Full	N/A	N/A	0	None	N/A
Lateral Header	400S162-54(50), Single	Full	N/A	N/A	0	None	N/A

Analysis Results

Component(s)	Members(s)	Axial Load (lb)	Max KL/r	Max. Moment (ft-lb)	Max. Shear (lb)	Bottom Reaction (lb)	Top or End Reaction (lb)
Wall Studs	400S300-54(50), Single@24 in o/c	160.0	172	320.0	80.0	80.0	80.0
Jamb Studs	400S350-54(50), Single	253.3	143	622.2	137.5	160.0	90.0
Vertical Header	400S162-54(50), Y-Y Axis	N/A	N/A	210.0	140.0	N/A	140.0
Lateral Header	400S162-54(50), Single	N/A	N/A	150.0	92.5	N/A	92.5

Design Results

Component(s)	Members(s)	Deflection		A + M Interaction	V + M Interaction	Web Stiffners	Design OK
		Span	Parapet				
Wall Studs	400S300-54(50), Single@24 in o/c	L/898	L/0	0.608	0.02	NA	Yes
Jamb Studs	400S350-54(50), Single	L/610	L/0	0.69	0.34	NA	Yes
Vertical Header	400S162-54(50), Y-Y Axis	L/203	NA	0.65	0.05	No	Yes
Lateral Header	400S162-54(50), Single	L/3468	NA	0.12	0.03	No	Yes
Combined Header				0.77	0		

Simpson Strong-Tie® Connectors @ Studs

Support	Rx(lb)	Ry(lb)	Simpson Strong-Tie® Connector	Connector Interaction	Anchor Interaction
R2	80.00	0.00	400SLT250-33 (33) & (1) .157" SST PDPA/PDPAT-62KP to	53.33 %	48.88 %

			steel (3/16" to 1/2" thickness)		
R1	80.00	160.00	400T125-33 (33) & (1) 1/4" x 1-3/4" embed Titen2 to 2500 min concrete	11.63 %	30.02 %

* Reference catalog for connector and anchor requirement notes as well as screw placements requirement

Simpson Strong-Tie® Connectors @ Jambs

Support	Rx(lb)	Ry(lb)	Simpson Strong-Tie® Connector	Connector Interaction	Anchor Interaction
R2	90.00	0.00	400SLT250-33 (33) & (2) #10 screw to CFS (18ga 33ksi)	60.00 %	37.82 %
R1	160.00	253.33	400T150-33 (33) & (1) 1/4" x 1-3/4" embed Titen2 to 2500 min concrete	46.51 %	60.04 %

* Reference catalog for connector and anchor requirement notes as well as screw placements requirement

Simpson Strong-Tie® Wall Stud Bridging Connectors @ Studs

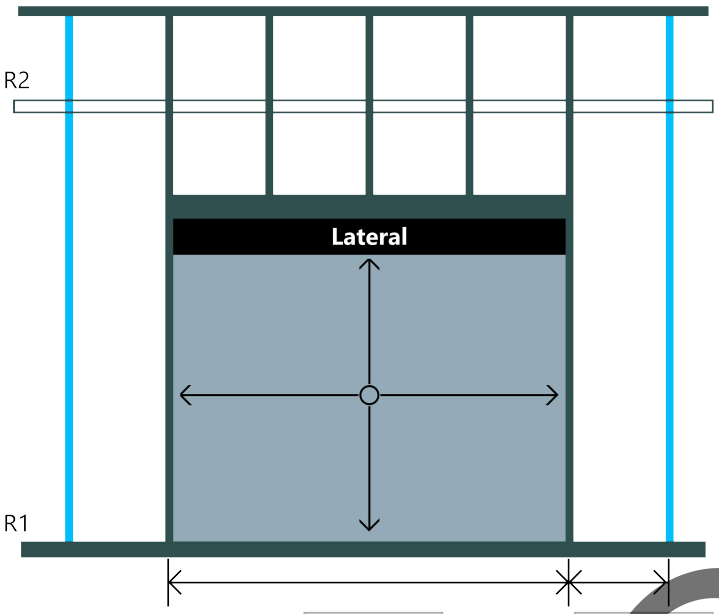
Span/Parapet	Bracing Length(in.)	Design Number of Braces	Pn(lb.)	LSUBH (Min)[1]	LSUBH (Max)[1]	SUBH (Min)[1]	SUBH (Max)[1]	MSUBH (Min)[1]	MSUBH (Max)[1]
Span	Span	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Simpson Strong-Tie® Wall Stud Bridging Connectors @ Jambs

Span/Parapet	Bracing Length(in.)	Design Number of Braces	Pn(lb.)	LSUBH (Min)[1]	LSUBH (Max)[1]	SUBH (Min)[1]	SUBH (Max)[1]	MSUBH (Min)[1]	MSUBH (Max)[1]
Span	Span	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:

1) Values in parentheses are stress ratios.
2) Bridging connectors are not designed for back-back, box, or built-up sections.
3) Reference www.strongtie.com for latest load data, important information, and general notes.
4) CFS Designer will not select bridging connectors unless all flexural and axial bracing settings are the same.
5) If the bracing length is larger than the span length, bridging connectors are not designed.



Lateral Pressure to: 4-Ways

Design Loads

Wall Lateral Pressure :	**5 psf**
Parapet Lateral Pressure :	
RO Lateral Pressure :	**4-Ways**
Lateral element force multiplier	
Strength :	**1.0**
Deflection :	**0.7**
Header:	**Single Member**
Gravity Load at Header:	**5 psf**

Brace Settings

Component(s)	Members(s)	Flexural Bracing	Axial KyLy	Axial KtLt	Distortional K-Phi(lb-in/in)	Distortional Lm	Interconnection Spacing
Wall Studs	600S162-33(33), Single@24 in o/c	Mid-Pt	Mid-Pt	Mid-Pt	0	None	N/A
Jamb Studs	600S162-54(50), Single	Mid-Pt	Mid-Pt	Mid-Pt	0	None	N/A
Vertical Header	600S200-54(50), Y-Y Axis	Full	N/A	N/A	0	None	N/A
Lateral Header	600S200-54(50), Single	Full	N/A	N/A	0	None	N/A

Analysis Results

Component(s)	Members(s)	Axial Load (lb)	Max KL/r	Max. Moment (ft-lb)	Max. Shear (lb)	Bottom Reaction (lb)	Top or End Reaction (lb)
Wall Studs	600S162-33(33), Single@24 in o/c	160.0	165	320.0	80.0	80.0	80.0
Jamb Studs	600S162-54(50), Single	300.0	169	777.8	161.1	200.0	106.7
Vertical Header	600S200-54(50), Y-Y Axis	N/A	N/A	373.3	186.7	N/A	186.7
Lateral Header	600S200-54(50), Single	N/A	N/A	289.1	132.2	N/A	132.2

Design Results

Component(s)	Members(s)	Deflection		A + M Interaction	V + M Interaction	Web Stiffners	Design OK
		Span	Parapet				
Wall Studs	600S162-33(33), Single@24 in o/c	L/984	L/0	0.638	0.13	NA	Yes
Jamb Studs	600S162-54(50), Single	L/750	L/0	0.84	0.31	NA	Yes
Vertical Header	600S200-54(50), Y-Y Axis	L/160	NA	0.75	0.05	No	Yes
Lateral Header	600S200-54(50), Single	L/4083	NA	0.13	0.05	No	Yes
Combined Header				0.87	0		

Simpson Strong-Tie® Connectors @ Studs

Support	Rx(lb)	Ry(lb)	Simpson Strong-Tie® Connector	Connector Interaction	Anchor Interaction
R2	80.00	0.00	600SLT250-33 (33) & (2) #10 screw to CFS (18ga 33ksi)	53.33 %	33.62 %

R1	80.00	160.00	600T150-33 (33) & (1) 1/4" x 1 5/8" embed Titen HD to 2500 psi min concrete	30.34 %	23.88 %

* Reference catalog for connector and anchor requirement notes as well as screw placements requirement

Simpson Strong-Tie® Connectors @ Jambs

Support	Rx(lb)	Ry(lb)	Simpson Strong-Tie® Connector	Connector Interaction	Anchor Interaction
R2	106.67	0.00	600SLT250-33 (33) & (2) #10 screw to CFS (18ga 33ksi)	71.11 %	44.82 %
R1	200.00	300.00	600T125-33 (33) & (1) 1/4" x 1-3/4" embed Titen2 to 2500 min concrete	58.14 %	75.05 %

* Reference catalog for connector and anchor requirement notes as well as screw placements requirement

Simpson Strong-Tie® Wall Stud Bridging Connectors @ Studs

Span/Parapet	Bracing Length(in.)	Design Number of Braces	Pn(lb.)	LSUBH (Min)[1]	LSUBH (Max)[1]	SUBH (Min)[1]	SUBH (Max)[1]	MSUBH (Min)[1]	MSUBH (Max)[1]
Span	96	1	2036.2	OK (0.37)	OK (0.26)	OK (0.31)	OK (0.23)	No Soln	No Soln

Simpson Strong-Tie® Wall Stud Bridging Connectors @ Jambs

Span/Parapet	Bracing Length(in.)	Design Number of Braces	Pn(lb.)	LSUBH (Min)[1]	LSUBH (Max)[1]	SUBH (Min)[1]	SUBH (Max)[1]	MSUBH (Min)[1]	MSUBH (Max)[1]
Span	96	1	3714.3	OK (0.49)	OK (0.35)	OK (0.39)	OK (0.25)	OK (0.24)	OK (0.16)

Notes:

1) Values in parentheses are stress ratios.
2) Bridging connectors are not designed for back-back, box, or built-up sections.
3) Reference www.strongtie.com for latest load data, important information, and general notes.
4) CFS Designer will not select bridging connectors unless all flexural and axial bracing settings are the same.
5) If the bracing length is larger than the span length, bridging connectors are not designed.

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Project	Calc. by
Sheriff's Crime Lab - Remodel	CJS
Section	**Sheet no./rev.**
Structural Calculations	81
Job Ref.	**Date**
J2300064	06/14/2024

CHECK HEADER CONNECTION

Connector — Simposon Rigid Connector Angle RCA223/68

RCA Rigid Connector Angles Allowable Loads (lb.)

Model	No. of #10 Screws[5,6]	Screw Pattern	Stud Framing Thickness[11]								
			33 mil (20 ga.)			43 mil (18 ga.)			54 mil (16 ga.)		
			F_2	F_3	F_4	F_2	F_3	F_4	F_2	F_3	F_4
RCA223/54	3	3A	205	495	200	205	590	310	205	590	620
	4	3B	205	580	390	205	580	605	205	580	1,095
	6	3C	205	865	480	205	865	740	205	865	1,095
RCA223/68	3	3A	310	495	200	310	765	310	310	815	620
	4	3B	310	660	390	310	805	605	310	805	1,210
	6	3C	310	990	480	310	1,205	740	310	1,205	1,350

Simpson RCA223/68 shear capacity (F_2) — 310 lbs

Shear demand:

Height of CFS wall above header — 9'-4"

Max. width of header — 8'-0'

Weight of CFS wall + finishes — 5 psf

Max. reaction at header suppot — = 5 x 8 x 9.33 / 2 = 187 lbs < 310 lbs

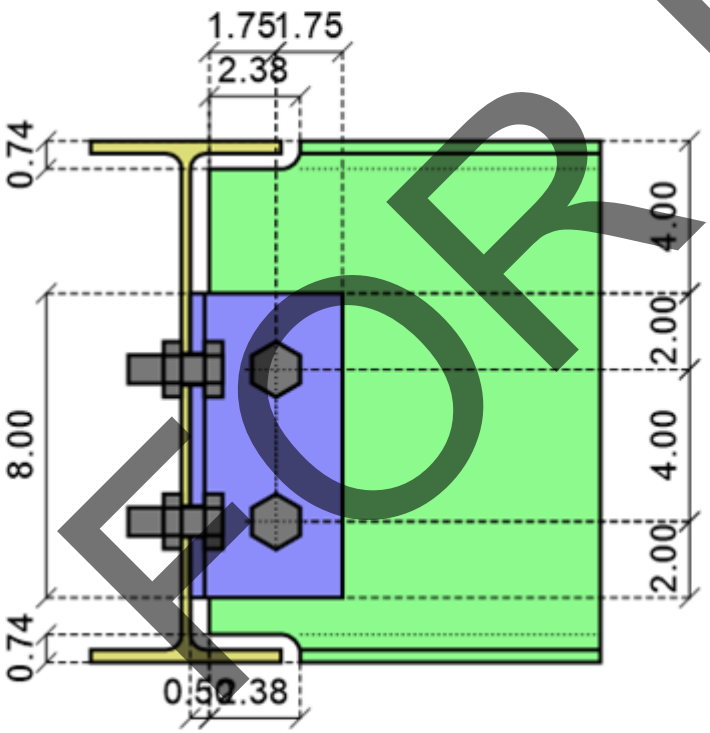
PASS – Shear demand is less than shear capacity.

DESIGN OF CONNECTIONS

J32 I - J18: 2D Views Report

Girder/Beam Single Angle (One Side) Shear Connection

Side view



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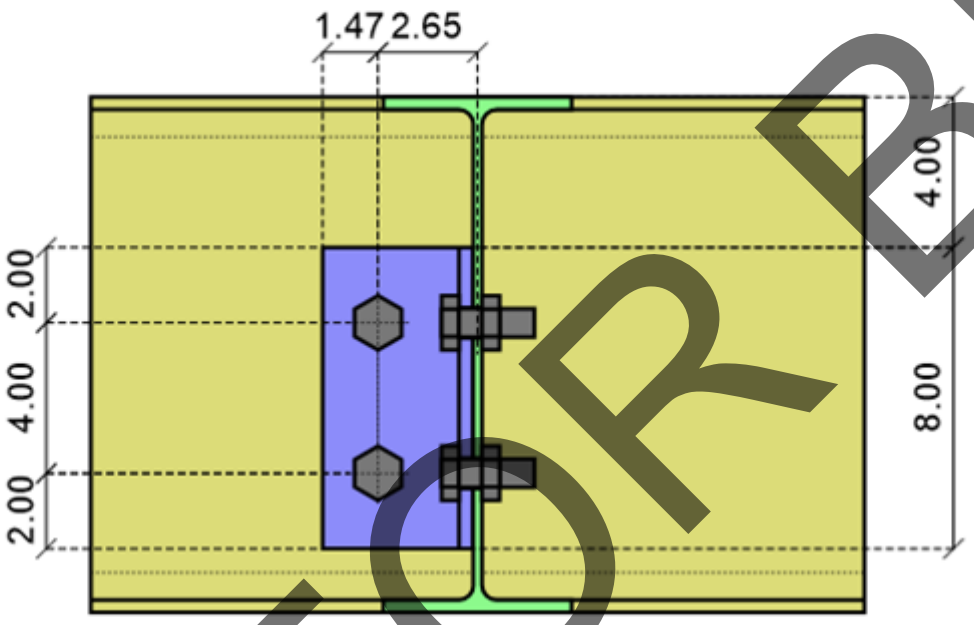
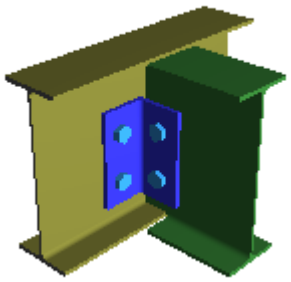
J32 I - J18: 2D Views Report (continued):

Front view



J32 I - J18: ASD Results Report

Girder/Beam Single Angle (One Side) Shear Connection



Material Properties:				
Girder	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Beam	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Angle	L4X4X6	A572 Gr.50	F_y = 50.00 ksi	F_u = 65.00 ksi

Input Data:		
Shear Load	-900.99 lbs	*User Input Shear Load*
Axial Load	-608.05 lbs	*User Input Axial Force (tension)*

Governing LC: 3D - 12 - LC 12: IBC 21/ASCE Strength 7 (a)

Note: Unless specified, all code references are from AISC 360-10

Limit State	Required	Available	Unity Check	Result
Geometry Restrictions at Beam				**PASS**
Geometry Restrictions at Girder				**PASS**
Erection Stability				**PASS**
Beam Shear Yield	900.99 lbs	56258.00 lbs	**0.02**	**PASS**
Clip Angle Shear Yield	900.99 lbs	60000.00 lbs	**0.02**	**PASS**
Beam Shear Rupture	900.99 lbs	47002.80 lbs	**0.02**	**PASS**
Clip Angle Shear Rupture at Beam	900.99 lbs	45703.12 lbs	**0.02**	**PASS**
Clip Angle Shear Rupture at Girder	900.99 lbs	45703.12 lbs	**0.02**	**PASS**
Beam Axial Yield	608.05 lbs	84218.56 lbs	**0.01**	**PASS**
Clip Angle Axial Yield	608.05 lbs	89820.36 lbs	**0.01**	**PASS**
Beam Tension Rupture	608.05 lbs	78338.00 lbs	**0.01**	**PASS**
Clip Angle Tension Rupture at Beam	608.05 lbs	76171.88 lbs	**0.01**	**PASS**
Clip Angle Block Shear at Girder	900.99 lbs	46303.12 lbs	**0.02**	**PASS**
Beam Block Shear	900.99 lbs	33840.19 lbs	**0.03**	**PASS**
Clip Angle Block Shear at Beam	900.99 lbs	49746.09 lbs	**0.02**	**PASS**
Beam Tearout	608.05 lbs	35132.50 lbs	**0.02**	**PASS**
Clip Angle Tearout	608.05 lbs	57281.25 lbs	**0.01**	**PASS**
Coped Beam Flexural Rupture	900.99 lbs	64590.26 lbs	**0.01**	**PASS**
Coped Beam Lateral Torsional Buckling	900.99 lbs	59502.77 lbs	**0.02**	**PASS**
Clip Angle Flexural Yield			**0.00**	**PASS**
Clip Angle Flexural Rupture			**0.00**	**PASS**
Bolt Bearing on Girder	900.99 lbs	23856.47 lbs	**0.04**	**PASS**
Bolt Bearing on Clip Angle at Girder	900.99 lbs	23856.47 lbs	**0.04**	**PASS**
Bolt Bearing on Beam	1086.97 lbs	23856.47 lbs	**0.05**	**PASS**
Bolt Bearing on Clip Angle at Beam	1086.97 lbs	23856.47 lbs	**0.05**	**PASS**
Bolt Shear at Girder	900.99 lbs	16465.74 lbs	**0.05**	**PASS**
Bolt Group Eccentricity at Girder		***0.69***		

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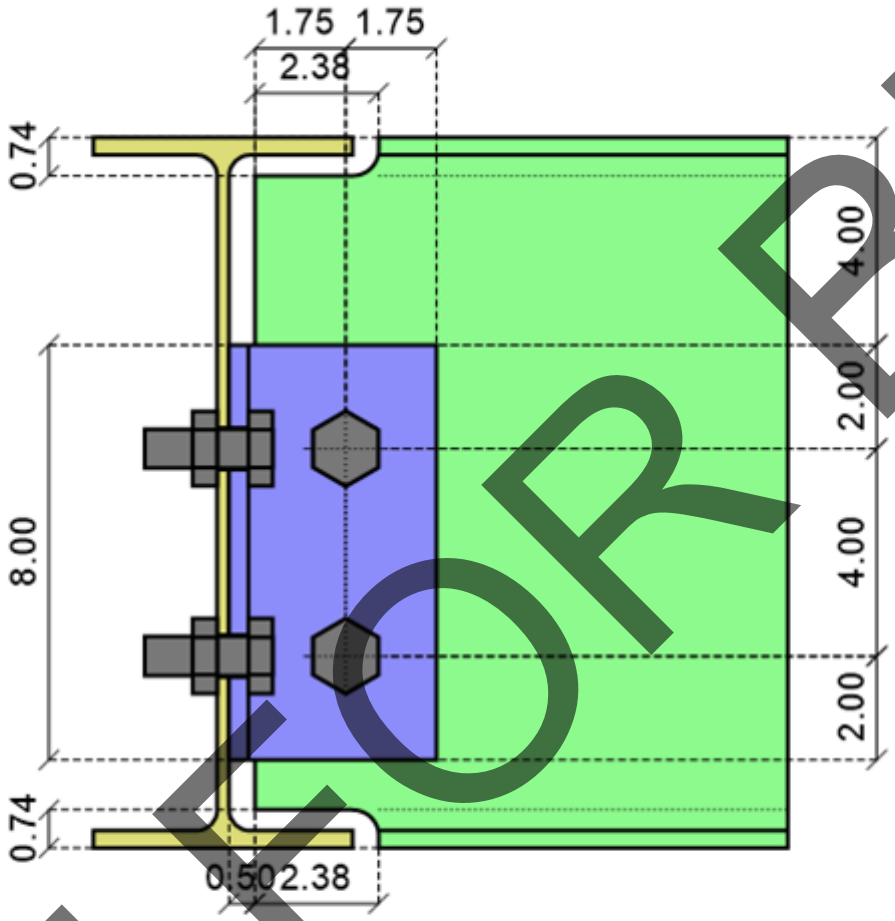
J32 I - J18: ASD Results Report (continued):

Limit State	Required	Available	Unity Check	Result
Bolt Shear at Beam	1086.97 lbs	18201.29 lbs	**0.06**	**PASS**
Bolt Group Eccentricity at Beam		***0.76***		
Angle Leg Bending	0.13 kips-ft	0.91 kips-ft	**0.15**	**PASS**
Bolt Prying				**No Prying**
Bolt Tension at Girder				**N/A**

Side view



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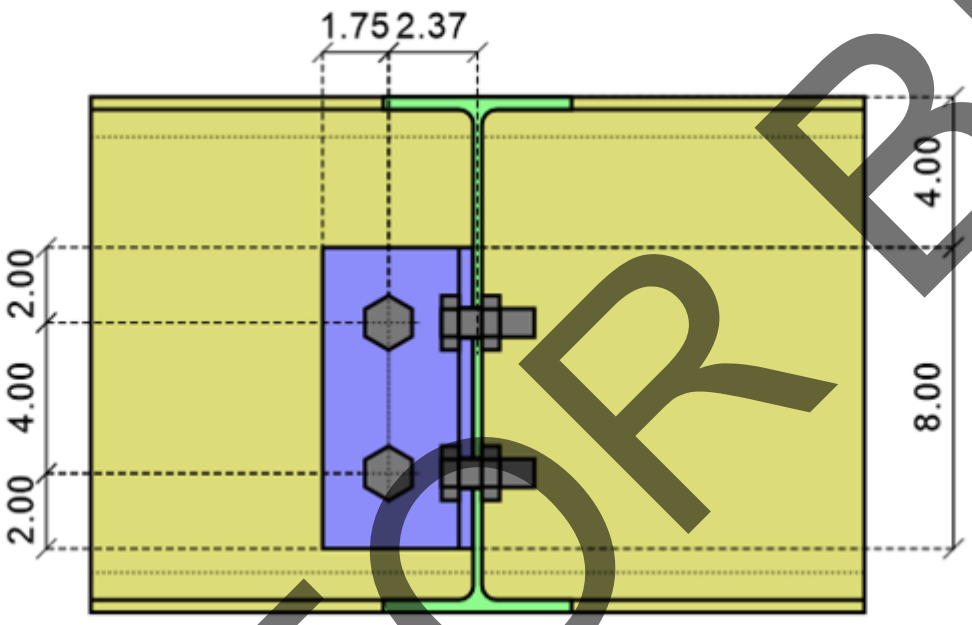
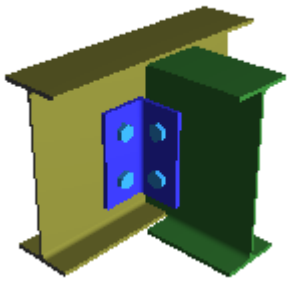
J32 J - J19: 2D Views Report (continued):

Front view



J32 J - J19: ASD Results Report

Girder/Beam Single Angle (One Side) Shear Connection



Material Properties:				
Girder	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Beam	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Angle	L4X4X6	A572 Gr.50	F_y = 50.00 ksi	F_u = 65.00 ksi

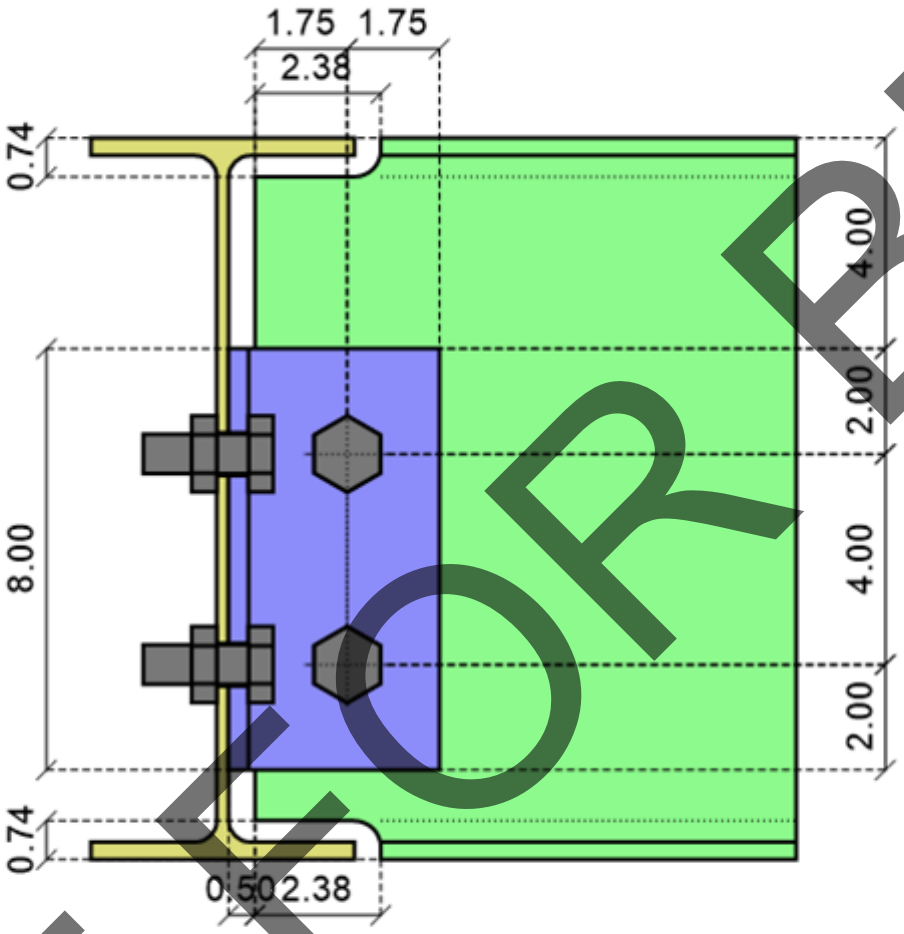
Input Data:		
Shear Load	12158.16 lbs	*User Input Shear Load*
Axial Load	-48.10 lbs	*User Input Axial Force (tension)*

Governing LC: 3D - 6 - LC 6: IBC 21/ASCE ASD 3 (a)

Note: Unless specified, all code references are from AISC 360-10

Limit State	Required	Available	Unity Check	Result
Geometry Restrictions at Beam				**PASS**
Geometry Restrictions at Girder				**PASS**
Erection Stability				**PASS**
Beam Shear Yield	12158.16 lbs	56258.00 lbs	**0.22**	**PASS**
Clip Angle Shear Yield	12158.16 lbs	60000.00 lbs	**0.20**	**PASS**
Beam Shear Rupture	12158.16 lbs	47002.80 lbs	**0.26**	**PASS**
Clip Angle Shear Rupture at Beam	12158.16 lbs	45703.12 lbs	**0.27**	**PASS**
Clip Angle Shear Rupture at Girder	12158.16 lbs	45703.12 lbs	**0.27**	**PASS**
Clip Angle Block Shear at Girder	12158.16 lbs	49746.09 lbs	**0.24**	**PASS**
Beam Block Shear	12158.16 lbs	41775.19 lbs	**0.29**	**PASS**
Clip Angle Block Shear at Beam	12158.16 lbs	49746.09 lbs	**0.24**	**PASS**
Coped Beam Flexural Rupture	12158.16 lbs	64590.26 lbs	**0.19**	**PASS**
Coped Beam Lateral Torsional Buckling	12158.16 lbs	59502.77 lbs	**0.20**	**PASS**
Bolt Bearing on Girder	12158.16 lbs	23856.47 lbs	**0.51**	**PASS**
Bolt Bearing on Clip Angle at Girder	12158.16 lbs	23856.47 lbs	**0.51**	**PASS**
Bolt Bearing on Beam	12158.16 lbs	23856.47 lbs	**0.51**	**PASS**
Bolt Bearing on Clip Angle at Beam	12158.16 lbs	23856.47 lbs	**0.51**	**PASS**
Bolt Shear at Girder	12158.16 lbs	15122.62 lbs	**0.80**	**PASS**
Bolt Group Eccentricity at Girder		***0.63***		
Bolt Shear at Beam	12158.16 lbs	15555.61 lbs	**0.78**	**PASS**
Bolt Group Eccentricity at Beam		***0.65***		
Bolt Prying				**Prying**
Bolt Tension at Girder				**N/A**

Side view



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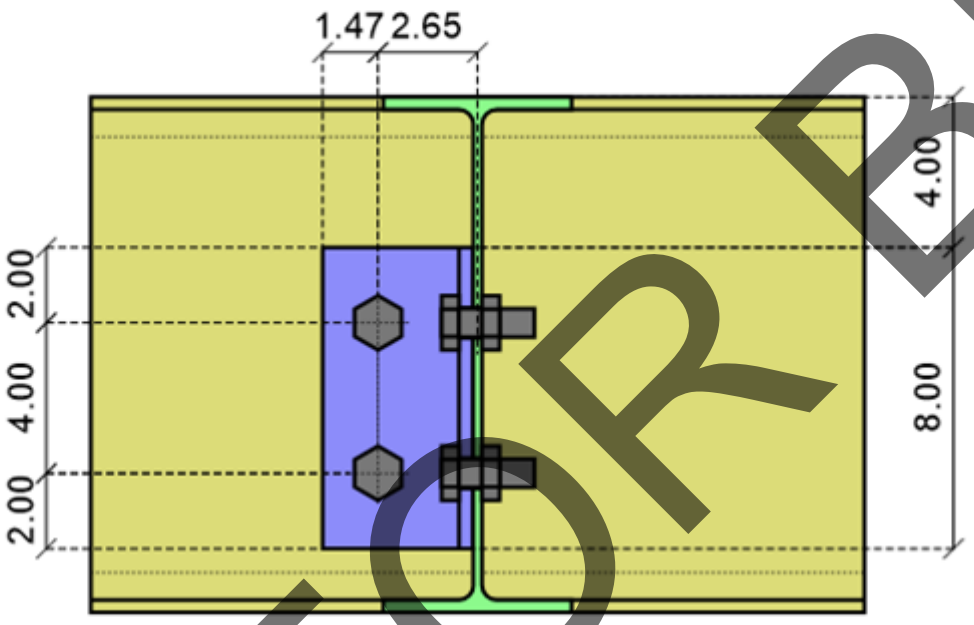
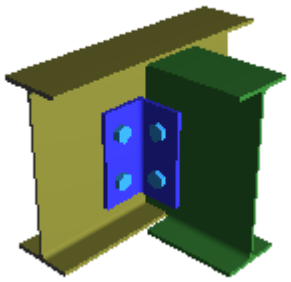
J33 I - J14: 2D Views Report (continued):

Front view



J33 I - J14: ASD Results Report

Girder/Beam Single Angle (One Side) Shear Connection



Material Properties:				
Girder	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Beam	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Angle	L4X4X6	A572 Gr.50	F_y = 50.00 ksi	F_u = 65.00 ksi

Input Data:		
Shear Load	-87.98 lbs	*User Input Shear Load*
Axial Load	-796.86 lbs	*User Input Axial Force (tension)*

Governing LC: 3D - 12 - LC 12: IBC 21/ASCE Strength 7 (a)

Note: Unless specified, all code references are from AISC 360-10

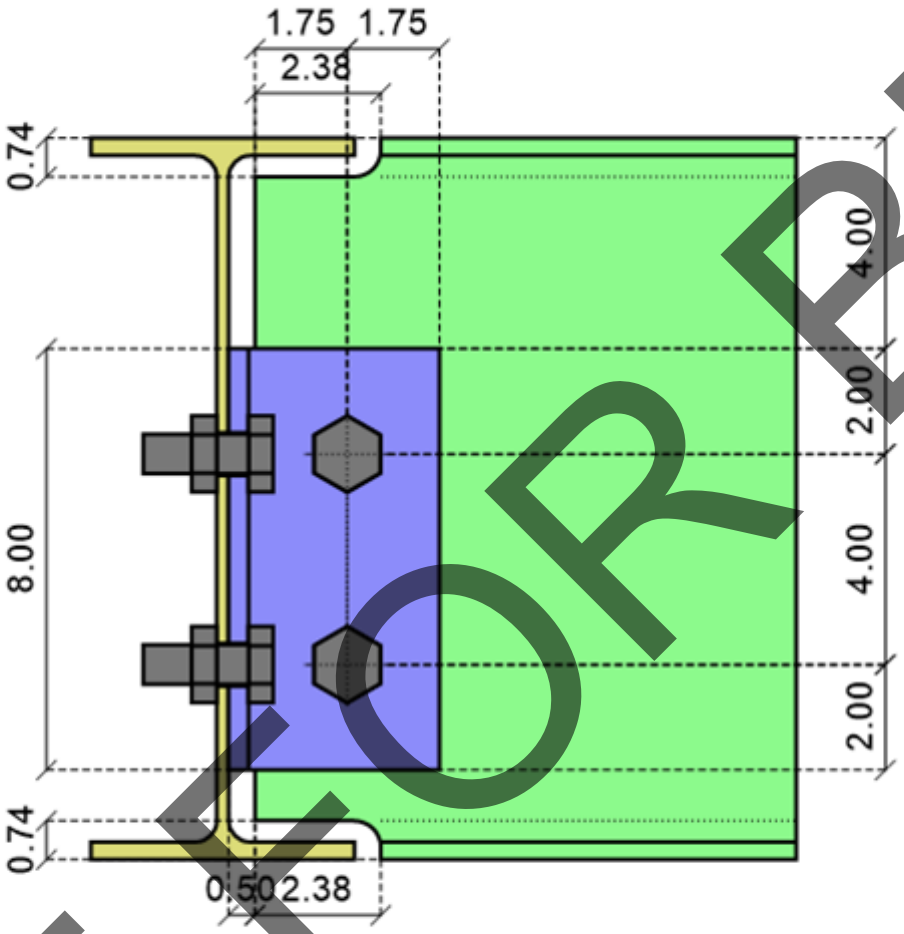
Limit State	Required	Available	Unity Check	Result
Geometry Restrictions at Beam				**PASS**
Geometry Restrictions at Girder				**PASS**
Erection Stability				**PASS**
Beam Shear Yield	87.98 lbs	56258.00 lbs	**0.00**	**PASS**
Clip Angle Shear Yield	87.98 lbs	60000.00 lbs	**0.00**	**PASS**
Beam Shear Rupture	87.98 lbs	47002.80 lbs	**0.00**	**PASS**
Clip Angle Shear Rupture at Beam	87.98 lbs	45703.12 lbs	**0.00**	**PASS**
Clip Angle Shear Rupture at Girder	87.98 lbs	45703.12 lbs	**0.00**	**PASS**
Beam Axial Yield	796.86 lbs	84218.56 lbs	**0.01**	**PASS**
Clip Angle Axial Yield	796.86 lbs	89820.36 lbs	**0.01**	**PASS**
Beam Tension Rupture	796.86 lbs	78338.00 lbs	**0.01**	**PASS**
Clip Angle Tension Rupture at Beam	796.86 lbs	76171.88 lbs	**0.01**	**PASS**
Clip Angle Block Shear at Girder	87.98 lbs	46303.12 lbs	**0.00**	**PASS**
Beam Block Shear	87.98 lbs	33840.19 lbs	**0.00**	**PASS**
Clip Angle Block Shear at Beam	87.98 lbs	49746.09 lbs	**0.00**	**PASS**
Beam Tearout	796.86 lbs	35132.50 lbs	**0.02**	**PASS**
Clip Angle Tearout	796.86 lbs	57281.25 lbs	**0.01**	**PASS**
Coped Beam Flexural Rupture	87.98 lbs	64590.26 lbs	**0.00**	**PASS**
Coped Beam Lateral Torsional Buckling	87.98 lbs	59502.77 lbs	**0.00**	**PASS**
Clip Angle Flexural Yield			**0.00**	**PASS**
Clip Angle Flexural Rupture			**0.00**	**PASS**
Bolt Bearing on Girder	87.98 lbs	23856.47 lbs	**0.00**	**PASS**
Bolt Bearing on Clip Angle at Girder	87.98 lbs	23856.47 lbs	**0.00**	**PASS**
Bolt Bearing on Beam	801.70 lbs	23856.47 lbs	**0.03**	**PASS**
Bolt Bearing on Clip Angle at Beam	801.70 lbs	23856.47 lbs	**0.03**	**PASS**
Bolt Shear at Girder	87.98 lbs	16484.82 lbs	**0.01**	**PASS**
Bolt Group Eccentricity at Girder		***0.69***		

continued on next page...

J33 I - J14: ASD Results Report (continued):

Limit State	Required	Available	Unity Check	Result
Bolt Shear at Beam	801.70 lbs	16230.75 lbs	**0.05**	**PASS**
Bolt Group Eccentricity at Beam		***0.68***		
Angle Leg Bending	0.18 kips-ft	0.91 kips-ft	**0.19**	**PASS**
Bolt Prying				**No Prying**
Bolt Tension at Girder				**N/A**

Side view



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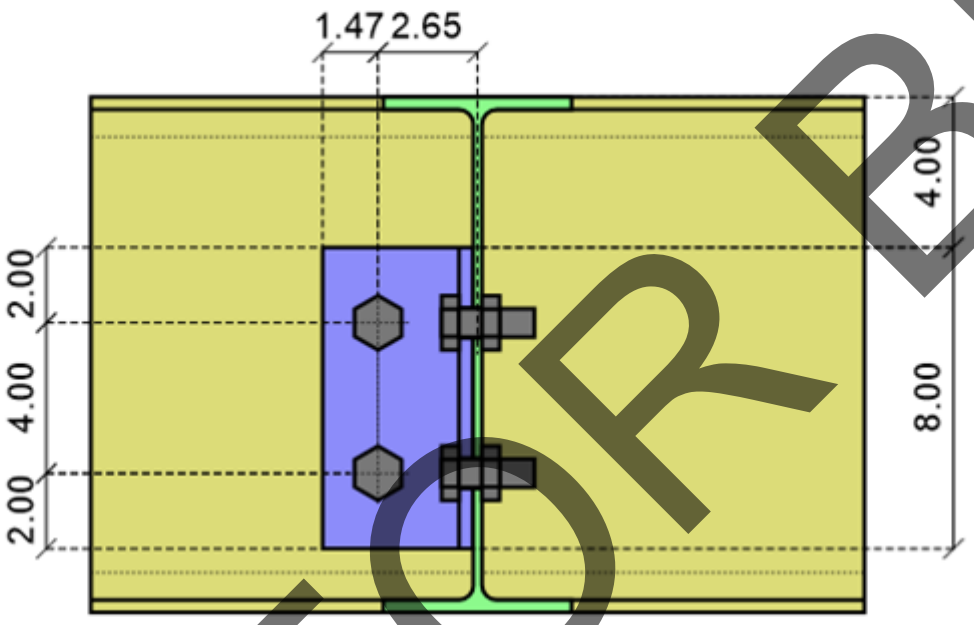
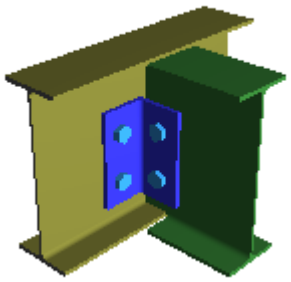
J33 J - J15: 2D Views Report (continued):

Front view



J33 J - J15: ASD Results Report

Girder/Beam Single Angle (One Side) Shear Connection



Material Properties:				
Girder	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Beam	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Angle	L4X4X6	A572 Gr.50	F_y = 50.00 ksi	F_u = 65.00 ksi

Input Data:		
Shear Load	83.05 lbs	*User Input Shear Load*
Axial Load	-796.88 lbs	*User Input Axial Force (tension)*

Governing LC: 3D - 12 - LC 12: IBC 21/ASCE Strength 7 (a)

Note: Unless specified, all code references are from AISC 360-10

Limit State	Required	Available	Unity Check	Result
Geometry Restrictions at Beam				**PASS**
Geometry Restrictions at Girder				**PASS**
Erection Stability				**PASS**
Beam Shear Yield	83.05 lbs	56258.00 lbs	**0.00**	**PASS**
Clip Angle Shear Yield	83.05 lbs	60000.00 lbs	**0.00**	**PASS**
Beam Shear Rupture	83.05 lbs	47002.80 lbs	**0.00**	**PASS**
Clip Angle Shear Rupture at Beam	83.05 lbs	45703.12 lbs	**0.00**	**PASS**
Clip Angle Shear Rupture at Girder	83.05 lbs	45703.12 lbs	**0.00**	**PASS**
Beam Axial Yield	796.88 lbs	84218.56 lbs	**0.01**	**PASS**
Clip Angle Axial Yield	796.88 lbs	89820.36 lbs	**0.01**	**PASS**
Beam Tension Rupture	796.88 lbs	78338.00 lbs	**0.01**	**PASS**
Clip Angle Tension Rupture at Beam	796.88 lbs	76171.88 lbs	**0.01**	**PASS**
Clip Angle Block Shear at Girder	83.05 lbs	46303.12 lbs	**0.00**	**PASS**
Beam Block Shear	83.05 lbs	41775.19 lbs	**0.00**	**PASS**
Clip Angle Block Shear at Beam	83.05 lbs	49746.09 lbs	**0.00**	**PASS**
Beam Tearout	796.88 lbs	35132.50 lbs	**0.02**	**PASS**
Clip Angle Tearout	796.88 lbs	57281.25 lbs	**0.01**	**PASS**
Coped Beam Flexural Rupture	83.05 lbs	64590.26 lbs	**0.00**	**PASS**
Coped Beam Lateral Torsional Buckling	83.05 lbs	59502.77 lbs	**0.00**	**PASS**
Clip Angle Flexural Yield			**0.00**	**PASS**
Clip Angle Flexural Rupture			**0.00**	**PASS**
Bolt Bearing on Girder	83.05 lbs	23856.47 lbs	**0.00**	**PASS**
Bolt Bearing on Clip Angle at Girder	83.05 lbs	23856.47 lbs	**0.00**	**PASS**
Bolt Bearing on Beam	801.20 lbs	23856.47 lbs	**0.03**	**PASS**
Bolt Bearing on Clip Angle at Beam	801.20 lbs	23856.47 lbs	**0.03**	**PASS**
Bolt Shear at Girder	83.05 lbs	16379.85 lbs	**0.01**	**PASS**
Bolt Group Eccentricity at Girder		***0.69***		

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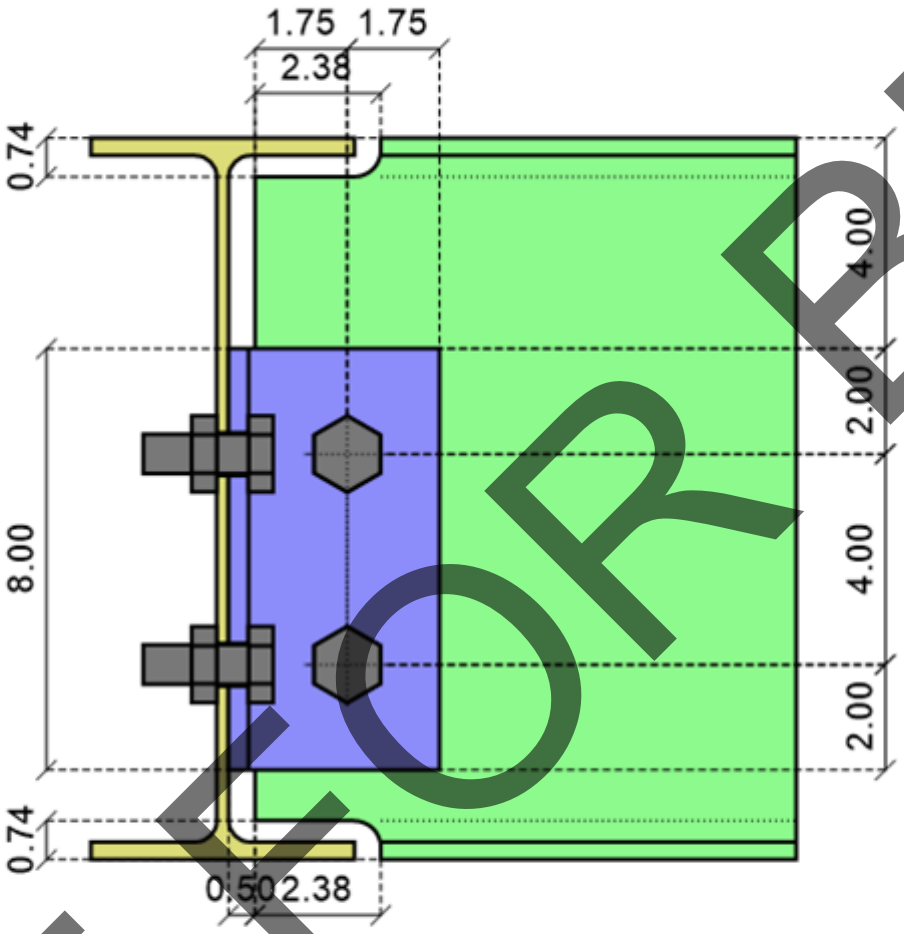
J33 J - J15: ASD Results Report (continued):

Limit State	Required	Available	Unity Check	Result
Bolt Shear at Beam	801.20 lbs	16149.64 lbs	**0.05**	**PASS**
Bolt Group Eccentricity at Beam		***0.68***		
Angle Leg Bending	0.18 kips-ft	0.91 kips-ft	**0.19**	**PASS**
Bolt Prying				**No Prying**
Bolt Tension at Girder				**N/A**

Side view



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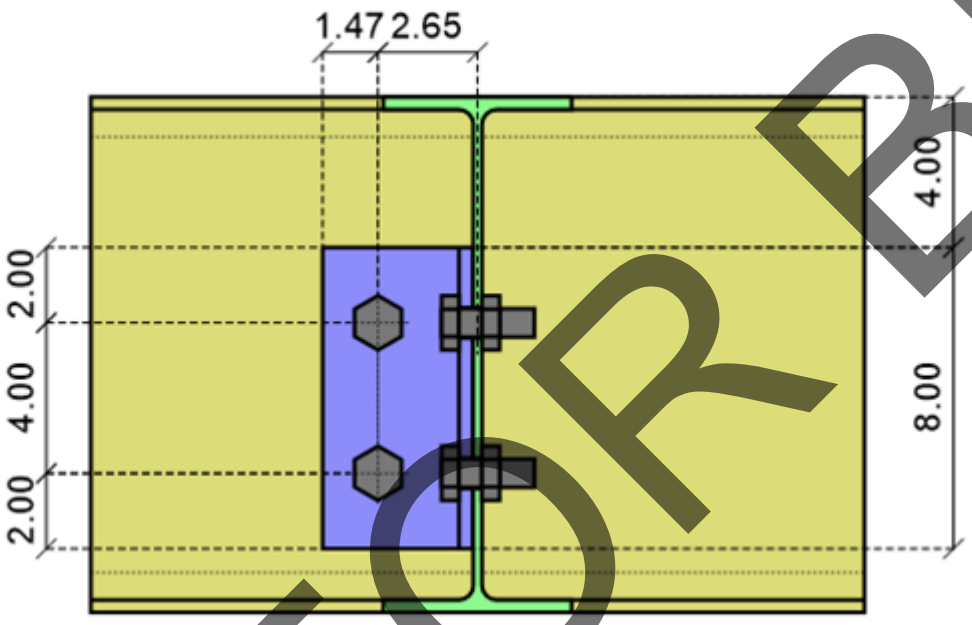
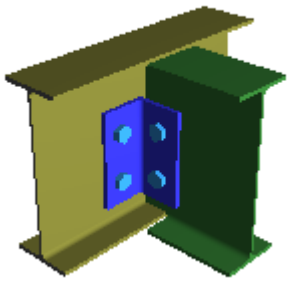
J34 I - J13: 2D Views Report (continued):

Front view



J34 I - J13: ASD Results Report

Girder/Beam Single Angle (One Side) Shear Connection



Material Properties:				
Girder	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Beam	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Angle	L4X4X6	A572 Gr.50	F_y = 50.00 ksi	F_u = 65.00 ksi

Input Data:		
Shear Load	-491.70 lbs	*User Input Shear Load*
Axial Load	-182.67 lbs	*User Input Axial Force (tension)*

Governing LC: 3D - 12 - LC 12: IBC 21/ASCE Strength 7 (a)

Note: Unless specified, all code references are from AISC 360-10

Limit State	Required	Available	Unity Check	Result
Geometry Restrictions at Beam				**PASS**
Geometry Restrictions at Girder				**PASS**
Erection Stability				**PASS**
Beam Shear Yield	491.70 lbs	56258.00 lbs	**0.01**	**PASS**
Clip Angle Shear Yield	491.70 lbs	60000.00 lbs	**0.01**	**PASS**
Beam Shear Rupture	491.70 lbs	47002.80 lbs	**0.01**	**PASS**
Clip Angle Shear Rupture at Beam	491.70 lbs	45703.12 lbs	**0.01**	**PASS**
Clip Angle Shear Rupture at Girder	491.70 lbs	45703.12 lbs	**0.01**	**PASS**
Beam Axial Yield	182.67 lbs	84218.56 lbs	**0.00**	**PASS**
Clip Angle Axial Yield	182.67 lbs	89820.36 lbs	**0.00**	**PASS**
Beam Tension Rupture	182.67 lbs	78338.00 lbs	**0.00**	**PASS**
Clip Angle Tension Rupture at Beam	182.67 lbs	76171.88 lbs	**0.00**	**PASS**
Clip Angle Block Shear at Girder	491.70 lbs	46303.12 lbs	**0.01**	**PASS**
Beam Block Shear	491.70 lbs	33840.19 lbs	**0.01**	**PASS**
Clip Angle Block Shear at Beam	491.70 lbs	49746.09 lbs	**0.01**	**PASS**
Beam Tearout	182.67 lbs	35132.50 lbs	**0.01**	**PASS**
Clip Angle Tearout	182.67 lbs	57281.25 lbs	**0.00**	**PASS**
Coped Beam Flexural Rupture	491.70 lbs	64590.26 lbs	**0.01**	**PASS**
Coped Beam Lateral Torsional Buckling	491.70 lbs	59502.77 lbs	**0.01**	**PASS**
Clip Angle Flexural Yield			**0.00**	**PASS**
Clip Angle Flexural Rupture			**0.00**	**PASS**
Bolt Bearing on Girder	491.70 lbs	23856.47 lbs	**0.02**	**PASS**
Bolt Bearing on Clip Angle at Girder	491.70 lbs	23856.47 lbs	**0.02**	**PASS**
Bolt Bearing on Beam	524.54 lbs	23856.47 lbs	**0.02**	**PASS**
Bolt Bearing on Clip Angle at Beam	524.54 lbs	23856.47 lbs	**0.02**	**PASS**
Bolt Shear at Girder	491.70 lbs	15229.97 lbs	**0.03**	**PASS**
Bolt Group Eccentricity at Girder		***0.64***		

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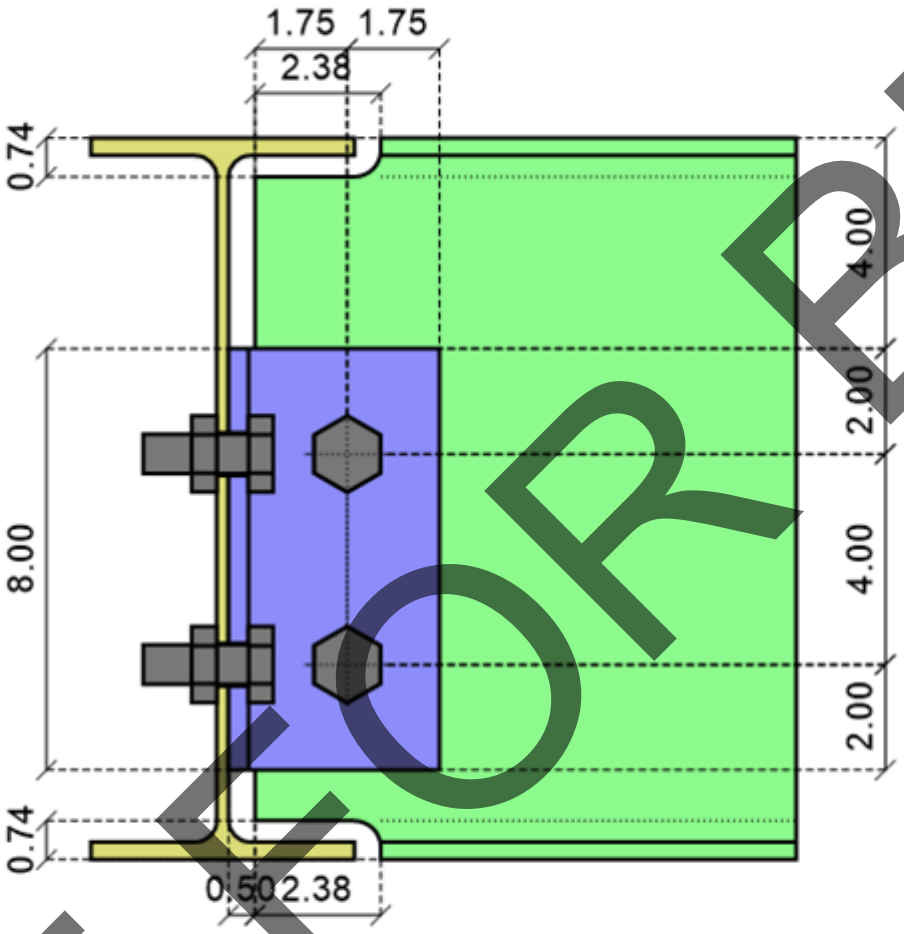
J34 I - J13: ASD Results Report (continued):

Limit State	Required	Available	Unity Check	Result
Bolt Shear at Beam	524.54 lbs	16878.45 lbs	**0.03**	**PASS**
Bolt Group Eccentricity at Beam		***0.71***		
Angle Leg Bending	0.04 kips-ft	0.91 kips-ft	**0.04**	**PASS**
Bolt Prying				**No Prying**
Bolt Tension at Girder				**N/A**

Side view



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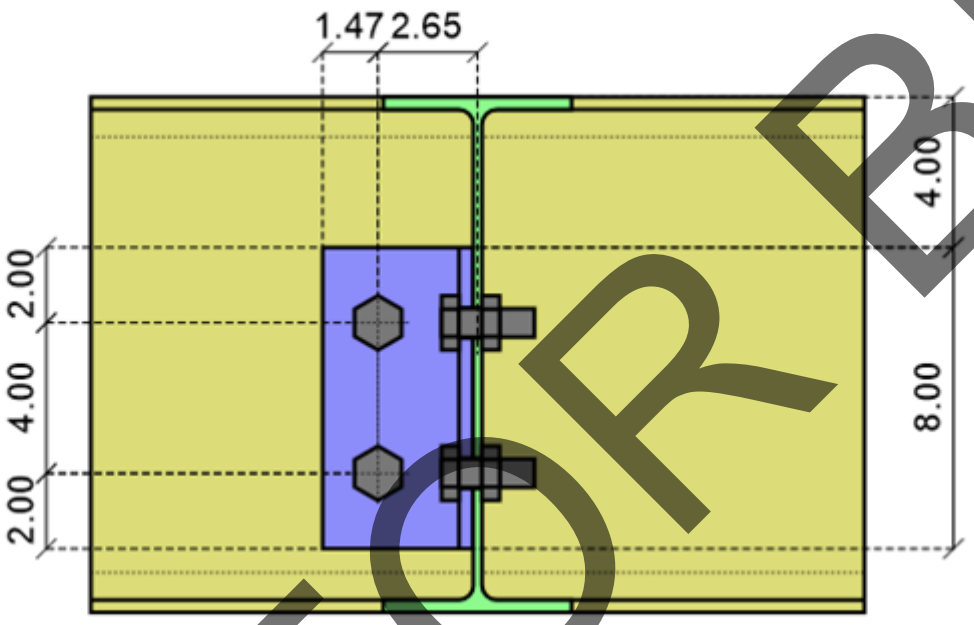
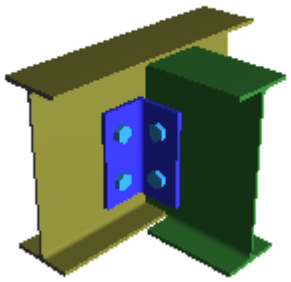
J34 J - J14: 2D Views Report (continued):

Front view



J34 J - J14: ASD Results Report

Girder/Beam Single Angle (One Side) Shear Connection



Material Properties:				
Girder	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Beam	W14X22	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Angle	L4X4X6	A572 Gr.50	F_y = 50.00 ksi	F_u = 65.00 ksi

Input Data:		
Shear Load	491.70 lbs	*User Input Shear Load*
Axial Load	-555.23 lbs	*User Input Axial Force (tension)*

Governing LC: 3D - 12 - LC 12: IBC 21/ASCE Strength 7 (a)

Note: Unless specified, all code references are from AISC 360-10

Limit State	Required	Available	Unity Check	Result
Geometry Restrictions at Beam				**PASS**
Geometry Restrictions at Girder				**PASS**
Erection Stability				**PASS**
Beam Shear Yield	491.70 lbs	56258.00 lbs	**0.01**	**PASS**
Clip Angle Shear Yield	491.70 lbs	60000.00 lbs	**0.01**	**PASS**
Beam Shear Rupture	491.70 lbs	47002.80 lbs	**0.01**	**PASS**
Clip Angle Shear Rupture at Beam	491.70 lbs	45703.12 lbs	**0.01**	**PASS**
Clip Angle Shear Rupture at Girder	491.70 lbs	45703.12 lbs	**0.01**	**PASS**
Beam Axial Yield	555.23 lbs	84218.56 lbs	**0.01**	**PASS**
Clip Angle Axial Yield	555.23 lbs	89820.36 lbs	**0.01**	**PASS**
Beam Tension Rupture	555.23 lbs	78338.00 lbs	**0.01**	**PASS**
Clip Angle Tension Rupture at Beam	555.23 lbs	76171.88 lbs	**0.01**	**PASS**
Clip Angle Block Shear at Girder	491.70 lbs	46303.12 lbs	**0.01**	**PASS**
Beam Block Shear	491.70 lbs	41775.19 lbs	**0.01**	**PASS**
Clip Angle Block Shear at Beam	491.70 lbs	49746.09 lbs	**0.01**	**PASS**
Beam Tearout	555.23 lbs	35132.50 lbs	**0.02**	**PASS**
Clip Angle Tearout	555.23 lbs	57281.25 lbs	**0.01**	**PASS**
Coped Beam Flexural Rupture	491.70 lbs	64590.26 lbs	**0.01**	**PASS**
Coped Beam Lateral Torsional Buckling	491.70 lbs	59502.77 lbs	**0.01**	**PASS**
Clip Angle Flexural Yield			**0.00**	**PASS**
Clip Angle Flexural Rupture			**0.00**	**PASS**
Bolt Bearing on Girder	491.70 lbs	23856.47 lbs	**0.02**	**PASS**
Bolt Bearing on Clip Angle at Girder	491.70 lbs	23856.47 lbs	**0.02**	**PASS**
Bolt Bearing on Beam	741.65 lbs	23856.47 lbs	**0.03**	**PASS**
Bolt Bearing on Clip Angle at Beam	741.65 lbs	23856.47 lbs	**0.03**	**PASS**
Bolt Shear at Girder	491.70 lbs	18718.98 lbs	**0.03**	**PASS**
Bolt Group Eccentricity at Girder		***0.78***		

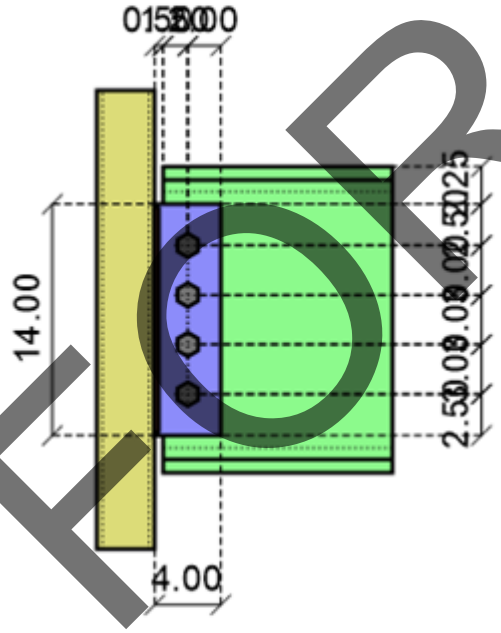
continued on next page...

J34 J - J14: ASD Results Report (continued):

Limit State	Required	Available	Unity Check	Result
Bolt Shear at Beam	741.65 lbs	20439.03 lbs	**0.04**	**PASS**
Bolt Group Eccentricity at Beam		***0.86***		
Angle Leg Bending	0.12 kips-ft	0.91 kips-ft	**0.13**	**PASS**
Bolt Prying				**No Prying**
Bolt Tension at Girder				**N/A**

W18-L I - C_(1.9-B.3): 2D Views Report

Side view



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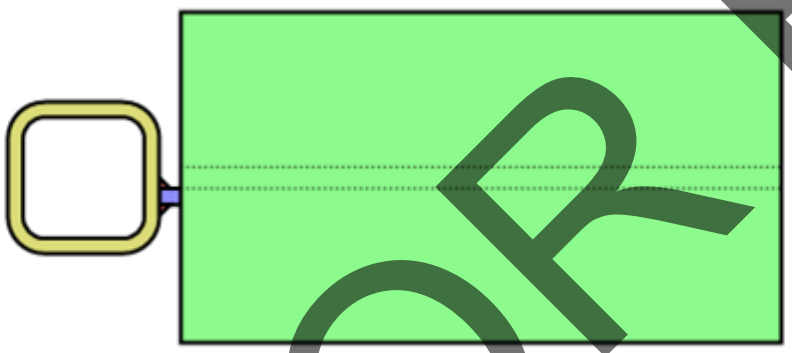
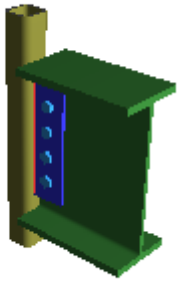
W18-L I - C_(1.9-B.3): 2D Views Report (continued):

Top view



W18-L I - C_(1.9-B.3): ASD Results Report

Column/Beam Shear Tab Shear Connection



Material Properties:				
Column	HSS3.5X3.5X6	A500 Gr.C RECT	F_y = 50.00 ksi	F_u = 62.00 ksi
Beam	W18X71	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Plate	P0.38x4.00x14.00	A572 Gr.50	F_y = 50.00 ksi	F_u = 65.00 ksi

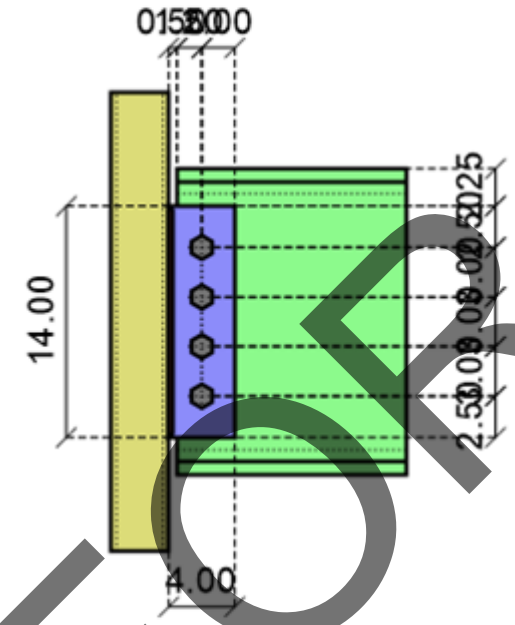
Input Data:		
Shear Load	13907.00 lbs	*User Input Shear Load*
Axial Load	-1.04 lbs	*User Input Axial Force (tension)*
Column Force	13909.40 lbs	*User Input Column Force*
Column Moment	0.51 kips-ft	*User Input Column Moment*

Governing LC: 3D - 6 - LC 6: IBC 21/ASCE ASD 3 (a)

Note: Unless specified, all code references are from AISC 360-10

Limit State	Required	Available	Unity Check	Result
HSS Punching Shear				**PASS**
Geometry Restrictions at Beam				**PASS**
Column Weld Limitations				**PASS**
Rotational Ductility, Erection Stability				**PASS**
Beam Shear Yield	13907.00 lbs	183150.00 lbs	**0.08**	**PASS**
Plate Shear Yield	13907.00 lbs	105000.00 lbs	**0.13**	**PASS**
Beam Shear Rupture	13907.00 lbs	144787.50 lbs	**0.10**	**PASS**
Plate Shear Rupture at Beam	13907.00 lbs	76781.25 lbs	**0.18**	**PASS**
Beam Block Shear	13907.00 lbs	155636.72 lbs	**0.09**	**PASS**
Plate Block Shear	13907.00 lbs	80742.19 lbs	**0.17**	**PASS**
Lateral Stability / Stabilizer Plates	13907.00 lbs	520818.63 lbs	**0.03**	**PASS**
Plate Flexural Yield			**0.02**	**PASS**
Plate Flexural Rupture			**0.03**	**PASS**
Plate Flexural Buckling	13907.00 lbs	366766.47 lbs	**0.04**	**PASS**
Bolt Bearing on Beam	13907.00 lbs	47712.94 lbs	**0.29**	**PASS**
Bolt Bearing on Plate at Beam	13907.00 lbs	47712.94 lbs	**0.29**	**PASS**
Bolt Shear at Beam	13907.00 lbs	44749.96 lbs	**0.31**	**PASS**
Bolt Group Eccentricity		***0.94***		
Weld at Column	15699.95 lbs/ft	89088.00 lbs/ft	**0.18**	**PASS**

Side view



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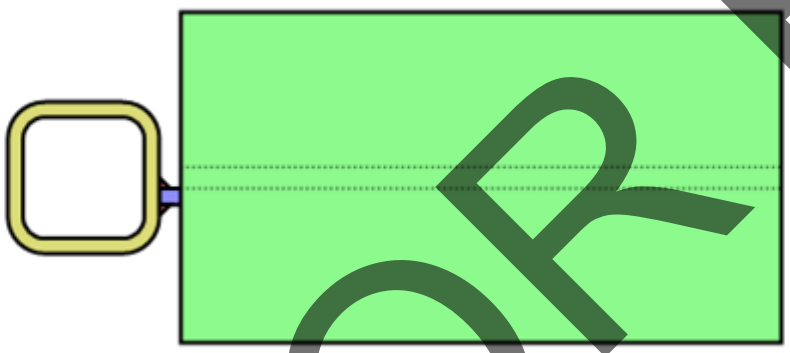
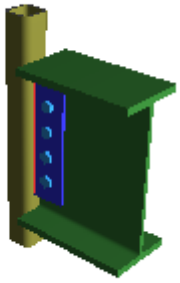
W18-L J - C_(2.4-B.3): 2D Views Report (continued):

Top view



W18-L J - C_(2.4-B.3): ASD Results Report

Column/Beam Shear Tab Shear Connection



Material Properties:				
Column	HSS3.5X3.5X6	A500 Gr.C RECT	F_y = 50.00 ksi	F_u = 62.00 ksi
Beam	W18X71	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Plate	P0.38x4.00x14.00	A572 Gr.50	F_y = 50.00 ksi	F_u = 65.00 ksi

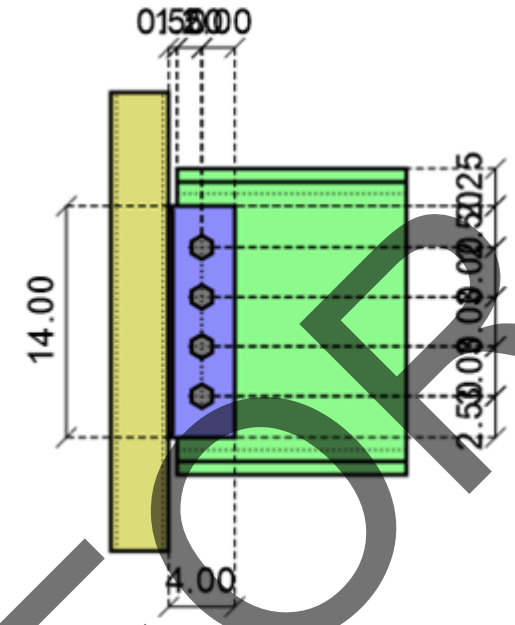
Input Data:		
Shear Load	-2658.44 lbs	*User Input Shear Load*
Axial Load	7823.08 lbs	*User Input Axial Force (compression)*
Column Force	22273.21 lbs	*User Input Column Force*
Column Moment	-0.66 kips-ft	*User Input Column Moment*

Governing LC: 3D - 10 - LC 10: IBC 21/ASCE Strength 6 (c)

Note: Unless specified, all code references are from AISC 360-10

Limit State	Required	Available	Unity Check	Result
HSS Punching Shear				**PASS**
Geometry Restrictions at Beam				**PASS**
Column Weld Limitations				**PASS**
Rotational Ductility, Erection Stability				**PASS**
Beam Shear Yield	2658.44 lbs	183150.00 lbs	**0.01**	**PASS**
Plate Shear Yield	2658.44 lbs	105000.00 lbs	**0.03**	**PASS**
Beam Shear Rupture	2658.44 lbs	144787.50 lbs	**0.02**	**PASS**
Plate Shear Rupture at Beam	2658.44 lbs	76781.25 lbs	**0.03**	**PASS**
Beam Axial Yield	7823.08 lbs	625748.50 lbs	**0.01**	**PASS**
Plate Axial Yield	7823.08 lbs	157185.63 lbs	**0.05**	**PASS**
Beam Block Shear	2658.44 lbs	155636.72 lbs	**0.02**	**PASS**
Plate Block Shear	2658.44 lbs	80742.19 lbs	**0.03**	**PASS**
Compression Buckling of the Plate	7823.08 lbs	157185.63 lbs	**0.05**	**PASS**
Lateral Stability / Stabilizer Plates	8262.44 lbs	520818.63 lbs	**0.02**	**PASS**
Plate Flexural Yield			**0.00**	**PASS**
Plate Flexural Rupture			**0.00**	**PASS**
Plate Flexural Buckling			**0.06**	**PASS**
Bolt Bearing on Beam	8262.44 lbs	47712.94 lbs	**0.17**	**PASS**
Bolt Bearing on Plate at Beam	8262.44 lbs	47712.94 lbs	**0.17**	**PASS**
Bolt Shear at Beam	8262.44 lbs	40923.39 lbs	**0.20**	**PASS**
Bolt Group Eccentricity		***0.86***		
Weld at Column	8262.44 lbs	103936.00 lbs	**0.08**	**PASS**
HSS Transverse Plastification	7823.08 lbs	53007.23 lbs	**0.15**	**PASS**

Side view



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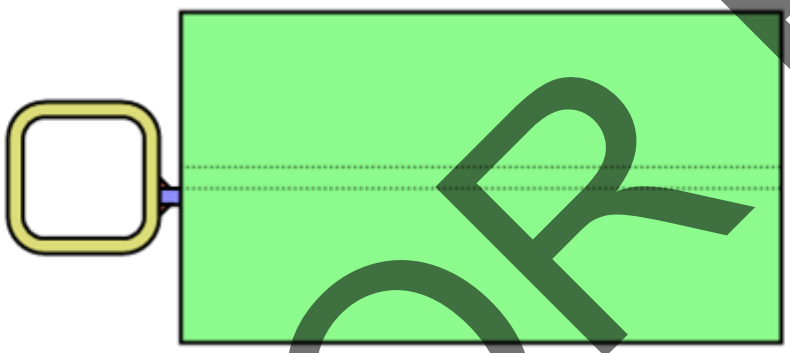
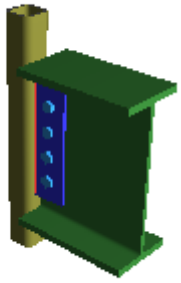
W18-R I - C_(2.4-B.3): 2D Views Report (continued):

Top view



W18-R I - C_(2.4-B.3): ASD Results Report

Column/Beam Shear Tab Shear Connection



Material Properties:				
Column	HSS3.5X3.5X6	A500 Gr.C RECT	F_y = 50.00 ksi	F_u = 62.00 ksi
Beam	W18X71	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Plate	P0.38x4.00x14.00	A572 Gr.50	F_y = 50.00 ksi	F_u = 65.00 ksi

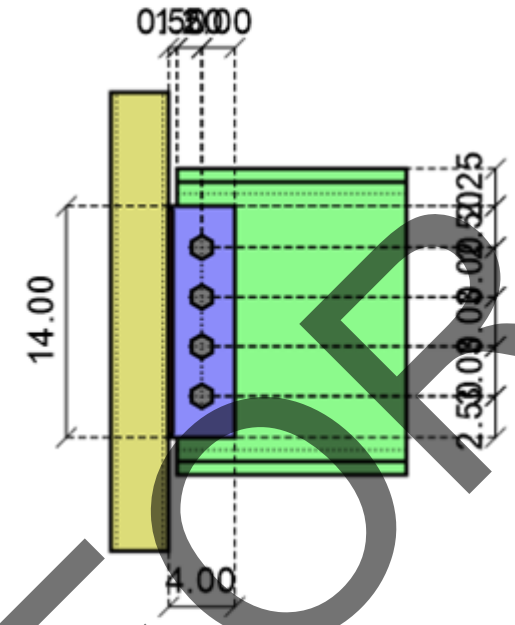
Input Data:		
Shear Load	8651.40 lbs	*User Input Shear Load*
Axial Load	7875.06 lbs	*User Input Axial Force (compression)*
Column Force	22273.21 lbs	*User Input Column Force*
Column Moment	-0.66 kips-ft	*User Input Column Moment*

Governing LC: 3D - 10 - LC 10: IBC 21/ASCE Strength 6 (c)

Note: Unless specified, all code references are from AISC 360-10

Limit State	Required	Available	Unity Check	Result
HSS Punching Shear				**PASS**
Geometry Restrictions at Beam				**PASS**
Column Weld Limitations				**PASS**
Rotational Ductility, Erection Stability				**PASS**
Beam Shear Yield	8651.40 lbs	183150.00 lbs	**0.05**	**PASS**
Plate Shear Yield	8651.40 lbs	105000.00 lbs	**0.08**	**PASS**
Beam Shear Rupture	8651.40 lbs	144787.50 lbs	**0.06**	**PASS**
Plate Shear Rupture at Beam	8651.40 lbs	76781.25 lbs	**0.11**	**PASS**
Beam Axial Yield	7875.06 lbs	625748.50 lbs	**0.01**	**PASS**
Plate Axial Yield	7875.06 lbs	157185.63 lbs	**0.05**	**PASS**
Beam Block Shear	8651.40 lbs	155636.72 lbs	**0.06**	**PASS**
Plate Block Shear	8651.40 lbs	80742.19 lbs	**0.11**	**PASS**
Compression Buckling of the Plate	7875.06 lbs	157185.63 lbs	**0.05**	**PASS**
Lateral Stability / Stabilizer Plates	11698.86 lbs	520818.63 lbs	**0.02**	**PASS**
Plate Flexural Yield			**0.01**	**PASS**
Plate Flexural Rupture			**0.01**	**PASS**
Plate Flexural Buckling			**0.10**	**PASS**
Bolt Bearing on Beam	11698.86 lbs	47712.94 lbs	**0.25**	**PASS**
Bolt Bearing on Plate at Beam	11698.86 lbs	47712.94 lbs	**0.25**	**PASS**
Bolt Shear at Beam	11698.86 lbs	38776.31 lbs	**0.30**	**PASS**
Bolt Group Eccentricity		***0.81***		
Weld at Column	11698.86 lbs	103936.00 lbs	**0.11**	**PASS**
HSS Transverse Plastification	7875.06 lbs	53007.23 lbs	**0.15**	**PASS**

Side view



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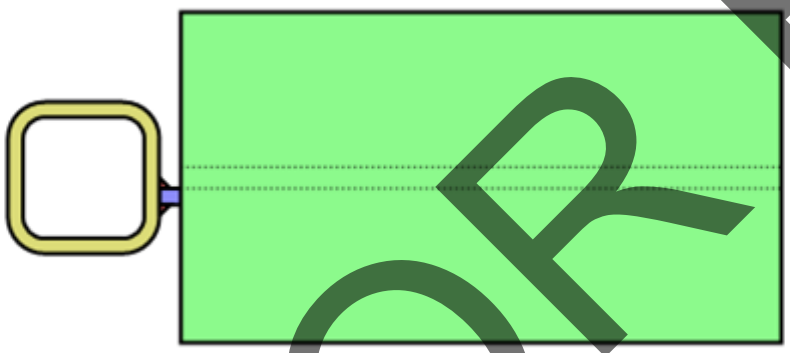
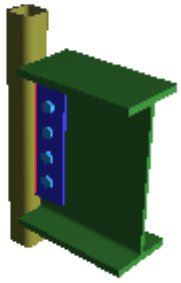
W18-R J - C_(3.9-B.3): 2D Views Report (continued):

Top view



W18-R J - C_(3.9-B.3): ASD Results Report

Column/Beam Shear Tab Shear Connection



Material Properties:				
Column	HSS3.5X3.5X6	A500 Gr.C RECT	F_y = 50.00 ksi	F_u = 62.00 ksi
Beam	W18X71	A992	F_y = 50.00 ksi	F_u = 65.00 ksi
Plate	P0.38x4.00x14.00	A572 Gr.50	F_y = 50.00 ksi	F_u = 65.00 ksi

Input Data:		
Shear Load	-5739.66 lbs	*User Input Shear Load*
Axial Load	-436.36 lbs	*User Input Axial Force (tension)*
Column Force	-3018.97 lbs	*User Input Column Force*
Column Moment	0.39 kips-ft	*User Input Column Moment*

Governing LC: 3D - 6 - LC 6: IBC 21/ASCE ASD 3 (a)

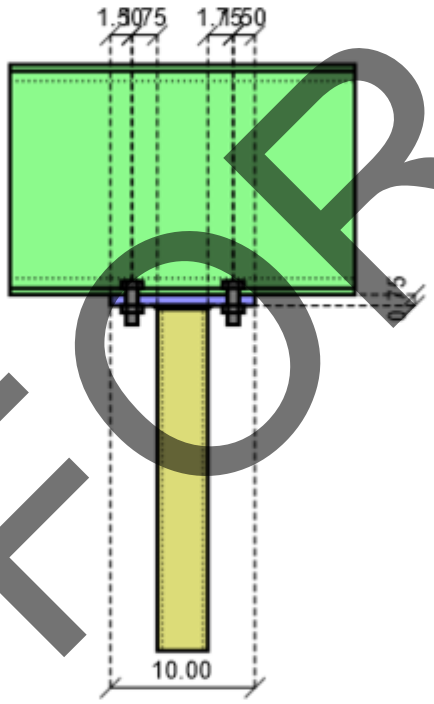
Note: Unless specified, all code references are from AISC 360-10

Limit State	Required	Available	Unity Check	Result
HSS Punching Shear				**PASS**
Geometry Restrictions at Beam				**PASS**
Column Weld Limitations				**PASS**
Rotational Ductility, Erection Stability				**PASS**
Beam Shear Yield	5739.66 lbs	183150.00 lbs	**0.03**	**PASS**
Plate Shear Yield	5739.66 lbs	105000.00 lbs	**0.05**	**PASS**
Beam Shear Rupture	5739.66 lbs	144787.50 lbs	**0.04**	**PASS**
Plate Shear Rupture at Beam	5739.66 lbs	76781.25 lbs	**0.07**	**PASS**
Beam Axial Yield	436.36 lbs	625748.50 lbs	**0.00**	**PASS**
Plate Axial Yield	436.36 lbs	157185.63 lbs	**0.00**	**PASS**
Beam Tension Rupture	436.36 lbs	249046.35 lbs	**0.00**	**PASS**
Plate Tension Rupture at Beam	436.36 lbs	127968.75 lbs	**0.00**	**PASS**
Beam Block Shear	5739.66 lbs	155636.72 lbs	**0.04**	**PASS**
Plate Block Shear	5739.66 lbs	80742.19 lbs	**0.07**	**PASS**
Beam Tearout	436.36 lbs	123069.38 lbs	**0.00**	**PASS**
Plate Tearout on Plate at Beam	436.36 lbs	100195.31 lbs	**0.00**	**PASS**
Lateral Stability / Stabilizer Plates	5756.22 lbs	520818.63 lbs	**0.01**	**PASS**
Plate Flexural Yield			**0.00**	**PASS**
Plate Flexural Rupture			**0.01**	**PASS**
Plate Flexural Buckling	5739.66 lbs	183383.23 lbs	**0.03**	**PASS**
Bolt Bearing on Beam	5756.22 lbs	47712.94 lbs	**0.12**	**PASS**
Bolt Bearing on Plate at Beam	5756.22 lbs	47712.94 lbs	**0.12**	**PASS**
Bolt Shear at Beam	5756.22 lbs	39437.13 lbs	**0.15**	**PASS**
Bolt Group Eccentricity		***0.83***		
Weld at Column	6729.04 lbs/ft	89088.00 lbs/ft	**0.08**	**PASS**
HSS Transverse Plastification	436.36 lbs	53564.84 lbs	**0.01**	**PASS**

Column Cap: 2D Views Report

Column/Beam Continuous Beam over Column Connection

Front view



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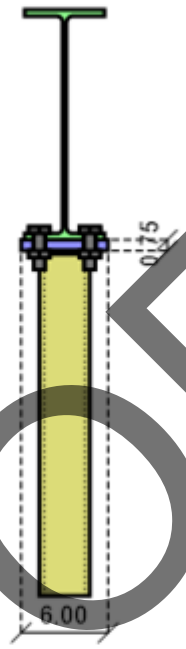
Column Cap: 2D Views Report (continued):

Side view



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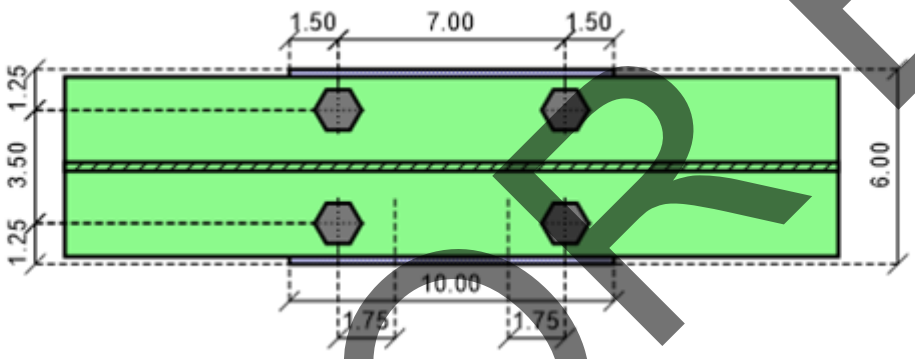
Column Cap: 2D Views Report (continued):

Top view



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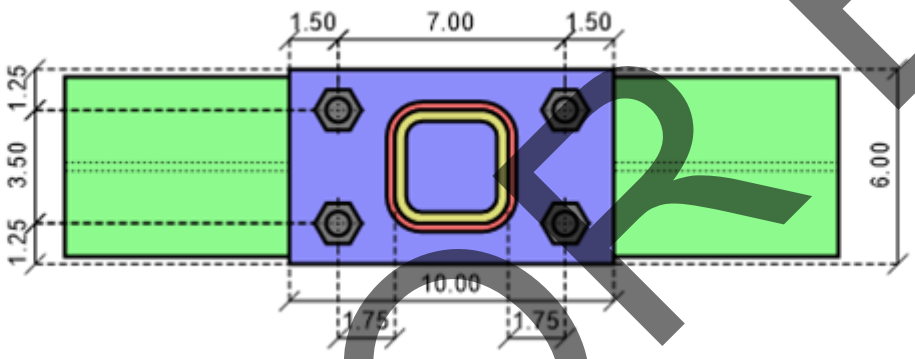
Column Cap: 2D Views Report (continued):

Bottom view



Column Cap: LRFD Results Report

Column/Beam Continuous Beam over Column Connection

Material Properties:				
Column	HSS3.5X3.5X6	A500 Gr.C Rect	F_y = 50.00 ksi	F_u = 62.00 ksi
Beam	W16X31	A36	F_y = 36.00 ksi	F_u = 58.00 ksi
Plate	P0.75x6.00x10.00	A572 Gr.50	F_y = 50.00 ksi	F_u = 65.00 ksi

Input Data:		
Column Force	22.00 kips	*User Input Column Force*
Moment	0.00 kips-ft	*User Input Moment*
Strong Axis Shear	0.00 kips	*User Input Strong Axis Shear*
Weak Axis Shear	0.00 kips	*User Input Weak Axis Shear*
Puf_c	11.00 kips	*Required Flange Force (compression)*
Puf_t	0.00 kips	*Required Tension Force per Bolt*

Note: Unless specified, all code references are from AISC 360-16

Limit State	Required	Available	Unity Check	Result
Load Distribution				**n/a**
Geometry Restrictions at Beam				**PASS**
Column Weld Limitations				**PASS**
Bolt Shear Strength	0.00 kips	71.57 kips	**0.00**	**PASS**
Bolt Bearing on Beam	0.00 kips	71.57 kips	**0.00**	**PASS**
Bolt Bearing on Plate at Beam	0.00 kips	71.57 kips	**0.00**	**PASS**
Column Flange Weld Strength	0.00 kips/in	5.57 kips/in	**0.00**	**PASS**
Column Web Weld Strength	0.00 kips/in	5.57 kips/in	**0.00**	**PASS**
Beam Web Yielding	11.00 kips	82.26 kips	**0.13**	**PASS**
Beam Web Buckling	11.00 kips	32.29 kips	**0.34**	**PASS**
Beam Web Crippling	11.00 kips	81.05 kips	**0.14**	**PASS**
Column Wall Local Yielding	11.00 kips	97.28 kips	**0.11**	**PASS**
Column Wall Local Crippling	11.00 kips	129.44 kips	**0.08**	**PASS**

EXHIBITS

SAN BERNARDINO COUNTY SHERIFF'S CRIME LAB

200 SOUTH LENA RD.
SAN BERNARDINO, CA

NOT USED

PROJECT DIRECTORY

OWNER REPRESENTATIVE:
address
PH:
CONTACT:

ARCHITECT:
HOLT ARCHITECTURE
3891 11th STREET
RIVERSIDE, CA 92501
PH: 951-462-1451
CONTACT: MATT ACTON
MACTON@HOLTARCHITECTURE.COM

STRUCTURAL ENGINEER:
address
PH:
CONTACT:

MECHANICAL ENGINEER:
address
PH:
CONTACT:

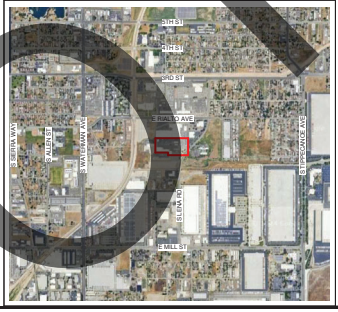
PLUMBING ENGINEER:
address
PH:
CONTACT:

ELECTRICAL ENGINEER:
address
PH:
CONTACT:

LEED CONSULTANT:
address
PH:
CONTACT:

COMMISSIONING CONSULTANT:
address
PH:
CONTACT:

VICINITY MAP



SHEET INDEX

HOLT ARCHITECTURE
3891 COOK ST, STE 103 | 2330 MARKET ST. STE 140
PALM DESERT, CA 92211 | RIVERSIDE, CA 92501
PH: 760.328.5280 | PH: 951.462.1451
WWW.HOLTARCHITECTURE.COM

CONSULTANT:

STAMPS:

LICENSED ARCHITECT
THOMAS C. HOWELL
C-31626
REN: 10/31/22
STATE OF CALIFORNIA

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

CLIENT:
CITY OF INDIO

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
COVER SHEET

SHEET NO.:
G001

NOT USED

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 2020

2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R

2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2021 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R
(2021 UNIFORMED MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2021 UNIFORMED PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R

2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA EXISTING BUILDINGS CODE, PART 10

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), PART 11, TITLE 24 C.C.R.

2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.

TITLE 19 C.C.R, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS	2019 EDITION
NFPA 14 - STANDPIPE SYSTEMS (CA AMENDED)	2019 EDITION
NFPA 17A - WET CHEMICAL SYSTEMS	2017 EDITION
NFPA 20 - STATIONARY PUMPS	2019 EDITION
NFPA 24 - PRIVATE FIRE MAINS (CA AMENDED)	2019 EDITION
NFPA 72 - NATIONAL FIRE ALARM CODE (CA AMENDED)	2019 EDITION
NFPA 80 - FIRE DOOR AND OTHER OPENING PROTECTIVES	2019 EDITION
NFPA 2001 - CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2018 EDITION

PROJECT SUMMARY

DISCRIPTION	INFO	2019 CBC/CRC REFERENCE
BUILDING OCCUPANCY #1	R-2.1: RESIDENTIAL - SUPERVISED HOUSING, GROUP HOMES, 6+	CHAPTER 3 - SECTIONS 303 THROUGH 313
BUILDING OCCUPANCY #2	B: BUSINESS - ADMINISTRATION, OFFICE, ADULT ED, administration, offices, adult ed's	CHAPTER 3 - SECTIONS 303 THROUGH 313
BUILDING OCCUPANCY #3	A-2: ASSEMBLY - FOOD AND DRINKING ESTABLISHMENTS	CHAPTER 3 - SECTIONS 303 THROUGH 313
BUILDING OCCUPANCY FOR TABULATION	R-2.1: RESIDENTIAL - SUPERVISED HOUSING, GROUP HOMES, 6+	CHAPTER 3 - SECTIONS 303 THROUGH 313
TYPE OF CONSTRUCTION	III-A: COMBUSTIBLE	CHAPTER 6 - TABLE 601
SPRINKLERED Y/N	YES	PER SECTION 903
ALLOWABLE BUILDING HEIGHT	65	PER TABLE 504.3
ACTUAL BUILDING HEIGHT	1	HEIGHT ABOVE GRADE IN FEET
ALLOWABLE NUMBER OF STORIES	3	PER TABLE 504.4
ACTUAL NUMBER OF STORIES	1	NUMBER OF STORIES ABOVE GRADE
BUILDING PERIMETER		ELEVATION OF PERIMETER IN FEET
BUILDING PERIMETER W/ FRONTAGE > 20 FEET		ELEVATION OF PERIMETER IN FEET
ALLOWABLE BUILDING AREA	99,000	PER SPECIFICATION BELOW
ACTUAL BUILDING AREA		CUMULATIVE GROSS AREA OF ALL FLOOR ABOVE GRADE
ACTUAL 1ST BUILDING AREA	49,693	
ACTUAL 2ND BUILDING AREA		
FIRE SEPARATIONS	YES	
TOTAL FINISH FLOOR OCCUPANT LOAD		
TOTAL SECOND FLOOR OCCUPANT LOAD		
TOTAL BUILDING OCCUPANT LOAD		

PROJECT DESCRIPTION

DEFERRED APPROVALS

REFERENCE DOCUMENTS

BID ALTERNATES

OWNER PROVIDED SCOPE

SPECIAL INSPECTIONS

NOT FOR BID

HOLT ARCHITECTURE
73951 COOK ST. STE 103 | 2350 MARKET ST. STE 140
PALM DESERT, CA 92211 | RIVERSIDE, CA 92501
PH: 760.328.5280 | PH: 951.462.1451
WWW.HOLTARCHITECTURE.COM

CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
TITLE SHEET

SHEET NO.:
G002

PROJECT ABBREVIATIONS

A.C.T.	ACOUSTICAL CEILING TILE
A.T.	ACOUSTICAL TILE
A/C	AIR CONDITIONER
AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
ACOUST	ACOUSTICAL
ACP	ASPHALTIC CONCRETE PAVING
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADAAG	AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
ADJ	ADJUSTABLE/ADJACENT
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH.	ARCHITECT
ARCHTL	ARCHITECTURAL
ATC	ACOUSTICAL TILE CEILING
B.O.	BOTTOM OF
B.O.B.	BOTTOM OF BEAM
B.O.H.	BOTTOM OF HEADER
B.O.S.	BOTTOM OF STEEL
BCR	BEGINNING CURB RETURN
BD	BOARD
BFF	BELOW FINISH FLOOR
BI	BUILT-IN
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM OR BENCHMARK
BRZE	BRONZE
BSL	BUILDING SETBACK LINE
BTM	BOTTOM
BUR	BUILT-UP ROOF
C/C	CENTER TO CENTER
CA	CALIFORNIA
CAB	CABINET
CB	CATCH BASIN (CIVIL)
CB	COLUMN BASE (STRUCTURAL & ARCHITECTURAL)
CBC	CALIFORNIA BUILDING CODE (UNIFORM BUILDING CODE WITH CALIFORNIA AMENDMENTS)
CC	COLUMN CAP
CCR	CALIFORNIA CODE OF REGULATIONS
CD	CEILING DIFFUSER
CEC	CALIFORNIA ENERGY COMMISSION
CER	CERAMIC
CF	CUBIC FOOT OR CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CFR	CODE OF FEDERAL REGULATIONS
CJ	CONTROL JOINT
CL	CLOSET
CLG	CEILING
CLKG	CAULKING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTOR OR CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET
CRT	MONITOR
CT	CERAMIC TILE
CTV	CABLE TELEVISION
CU	CUBIC
CW	COLD WATER
D.O.	DOOR OPENING
DBL	DOUBLE
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPOSAL
DN	DOWN
DR	DOOR
DRYWL	DRYWALL
DSA	DIVISION OF THE STATE ARCHITECT
DW	DISHWASHER
DWG	DRAWING
(E)	EXISTING
EA	EACH
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC
ELECL	ELECTRICAL
ELEV	ELEVATOR
EMERG	EMERGENCY
ENCL	ENCLOSURE
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FAU	FORCED AIR UNIT
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FIN	FINISH
FIX	FIXED
FIXT	FIXTURE
FL	FLOW LINE
FLR	FLOOR
FLUOR	FLUORESCENT
FOB	FACE OF BLOCK
FOC	FACE OF CONCRETE OR FACE OF CURB
FOS	FACE OF STUD
FOSH	FACE OF SHEATHING
FRP	FIBER REINFORCED PLASTIC
FS	FINISH SURFACE
FT	"FOOT, FEET"
FTG	FOOTING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GD	GARBAGE DISPOSAL
GFCI	GROUND-FAULT CIRCUIT-INTERRUPTER
GFI	GROUND-FAULT CIRCUIT-INTERRUPTER
GLB	GLUE LAMINATED BEAM
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRADE
GYP BD	GYPSUM BOARD
HB	HOSE BIB
HC	HOLLOW CORE
HD	HOLD DOWN
HDW	HARDWARE
HM	HOLLOW METAL
HMD	HOLLOW METAL DOOR
HMF	HOLLOW METAL FRAME
HMW	HOLLOW METAL WINDOW
HORIZ	HORIZONTAL
HT	HEIGHT
HTR	HEATER
HVAC	"HEATING, VENTILATION, & AIR CONDITIONING"
HW	HOT WATER
I.D.	INSIDE DIAMETER
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
ID	IDENTIFICATION
INCAND	INCANDESCENT
INCL	INCLUDED
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JAN	JANITOR
JT	JOINT
KIT	KITCHEN
L.B.	LAG BOLT
LAM	LAMINATE OR LAMINATED
LAV	LAVATORY
LB	POUND
LT	LIGHT
LTG	LIGHTING
MAX	MAXIMUM
MC	MEDICINE CABINET
MECH	MECHANICAL
MNVR	MANEUVERING
MFR	MANUFACTURER
MFRS	MANUFACTURER'S
MGMT	MANAGEMENT
MGR	MANAGER
MH	MANHOLE
MICRO	MICROWAVE OVEN
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
MTR	METER
MUL	MULLION
(N)	NEW
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTACT
NOM	NOMINAL
NTS	NOT TO SCALE
O.D.	OUTSIDE DIAMETER
OC	ON CENTER
OF	OVERFLOW
OFC	OFFICE
OPNG	OPENING
OPP	OPPOSITE
P	PLANTER OR PLANTING AREA
PART	PARTITION
PB	POST BASE
PC	POST CAP
PCC	PORTLAND CEMENT CONCRETE
PE	PAD ELEVATION
PEJ	PLASTER EXPANSION JOINT
PH	PHONE
PLAM	LAMINATED PLASTIC
PLAS	PLASTER
PLYWD	PLYWOOD
POC	POINT OF CONNECTION
POLY	POLYETHYLENE
PSF	POUNDS PER SQUARE FOOT OR FEET
PSI	POUND PER SQUARE INCH
PT	PORCELAIN TILE
PTN	PARTITION
PUE	PUBLIC UTILITY EASEMENT
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS
RB	RUBBER BASE
RD	ROOF DRAIN
RD/OF	ROOF DRAIN AND OVERFLOW
REDWD	REDWOOD
REF	REFERENCE
REFR	REFRIGERATOR
REFRIG	REFRIGERATOR
REINF	REINFORCEMENT
REQ	REQUIRED
RFF	REFERENCE FINISH FLOOR
RM	ROOM
RO	ROUGH OPENING
RT	RESILIENT TILE
S	STORAGE
SC	SOLID CORE
SCE	SOUTHERN CALIFORNIA EDISON
SCH	SCHEDULE
SEC	SECTION
SECTY	SECRETARY
SF	SQUARE FOOT OR FEET
SFM	STATE FIRE MARSHALL
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SPECS	SPECIFICATIONS
SQ	SQUARE
SQ FT	SQUARE FOOT OR FEET
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STO	STORAGE
STOR	STORAGE
STR'L	STRUCTURAL
STRUCT	STRUCTURE
STRUCT'L	STRUCTURAL
SUSP	SUSPENDED
T	TOILET ROOM
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.F.	TOP OF FRAMING
T.O.P.	TOP OF PARAPET
T.O.R.	TOP OF ROOF
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
T24	TITLE 24 CALIFORNIA CODE REQUIREMENTS
TC	TOP OF CURB OR CONCRETE
TEL	TELEPHONE
TF	TOP OF FOOTING
TG	TONGUE AND GROOVE
THK	THICK
TNG	TONGUE AND GROOVE
TP	TOP OF PAVEMENT
TPD	TOILET PAPER DISPENSER
TS	TUBULAR STEEL
TV	TELEVISION
TYP	TYPICAL
U/C	UNDER COUNTER
UBC	UNIFORM BUILDING CODE
UFC	UNIFORM FIRE CODE
UMC	UNIFORM MECHANICAL CODE
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UR	URINAL
V	VINYL
VCT	VINYL COMPOSITION TILE
W/	WITH
W/O	WITH OUT
WC	WATER CLOSET (TOILET)
WD	WOOD
WH	WATER HEATER
WI	WROUGHT IRON
WP	WEATHER PROOF
YD	YARD

DEMO GENERAL NOTES

1. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE ACCORDING TO REQUIREMENTS IN CFC 2019, CHAPTER 33.
2. EXISTING AREAS TO REMAIN THAT ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION SHALL BE PATCHED, REPAIRED OR REPLACED, AND FINISHED TO MATCH ADJACENT SURFACES AT NOT COST TO THE OWNER.
3. CONTRACTOR TO PROVIDE FLOOR TO CEILING PLYWOOD BARRIER WALL TO BE MAINTAINED THROUGHOUT ENTIRE DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REVIEW LOCATION WITH OWNER PRIOR TO STARTING WORK.
4. AREAS OUTSIDE AREA OF WORK ARE TO REMAIN OPERATIONAL DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR IS TO COORDINATE WITH OWNER FOR ANY INTERRUPTIONS OF EXISTING SERVICES THAT ARE CAUSED DUE TO DEMOLITION AND CONSTRUCTION ACTIVITIES IN ADVANCE OF ANY WORK COMMENCING.
5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

GENERAL NOTES

1. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. EXECUTION OF THE CONTRACT BY THE CONTRACTOR IS A REPRESENTATION THAT THE CONTRACTOR HAS VISITED THE SITE, BECOME GENERALLY FAMILIAR WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND CORRELATED PERSONAL OBSERVATIONS WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. THE CONTRACT DOCUMENTS ARE COMPLIMENTARY. THEREFORE, THE CONTRACTOR SHALL PRIOR TO STARTING WORK, STUDY AND COMPARE THE CONTRACT DOCUMENTS RELATIVE TO THAT PORTION OF THE WORK, TAKE FIELD MEASUREMENTS OF EXISTING CONDITIONS RELATED TO THE WORK, AND OBSERVE ANY CONDITIONS AT THE SITE AFFECTING IT.
4. THE CONTRACTOR SHALL PROMPTLY REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS DISCOVERED BY OR MADE KNOWN TO THE CONTRACTOR AS A REQUEST FOR INFORMATION (RFI.)
5. ALL WORK IS TO CONFORM TO ALL APPLICABLE CODES, LAWS, STATUTES, ORDINANCES, CODES, RULES AND REGULATIONS. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR NONCONFORMITY DISCOVERED TO THE ARCHITECT AS A REQUEST FOR INFORMATION (RFI.)
6. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
7. ALL MATERIALS AND EQUIPMENT UNDER THE CONTRACT SHALL BE OF GOOD QUALITY AND NEW UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
8. THE ARCHITECT WILL REVIEW AND APPROVE, OR TAKE OTHER ACTION UPON, THE CONTRACTOR'S SUBMITTALS AND SHOP DRAWINGS FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS. REVIEW OF SUCH SUBMITTALS AND SHOP DRAWINGS IS NOT CONDUCTED FOR THE PURPOSE OF DETERMINING THE ACCURACY AND COMPLETENESS OF OTHER DETAILS SUCH AS DIMENSIONS AND QUANTITIES, ALL OF WHICH REMAIN THE RESPONSIBILITY OF THE CONTRACTOR AS REQUIRED BY THE CONTRACT DOCUMENTS.
9. THE CONTRACTOR SHALL NOT PERFORM ANY WORK FOR WHICH THE CONTRACT DOCUMENTS REQUIRE SUBMITTAL AND REVIEW OF SHOP DRAWINGS UNTIL THE ARCHITECT HAS APPROVED THE SUBMITTAL.
10. WHERE SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT, THEY ARE ARRANGED IN SEVERAL SECTIONS FOR CONVENIENCE BUT SUCH SEPARATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED OF ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE CONTRACTOR AND HIS/HER SUBCONTRACTORS.
11. IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITION AND KIND OF CONSTRUCTION, AND THE SPECIFICATIONS WILL INDICATE QUALITIES AND METHODS. ANY WORK INDICATED ON THE WORKING DETAILS AND NOT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, SHALL BE FURNISHED AS THOUGH FULLY SET FORTH IN BOTH. IF CONFLICTS OCCUR ON DRAWINGS AND/OR SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS WILL PREVAIL.
12. DO NOT SCALE DRAWINGS. CONTACT THE ARCHITECT FOR ANY DIMENSIONS NOT SHOWN OR REQUIRING ADDITIONAL INFORMATION.
13. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
14. CONTRACTOR IS RESPONSIBLE TO ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO BID. THE OWNER WILL NOT BE RESPONSIBLE FOR ANY NEGLIGENCE BY THE CONTRACTOR OR SUBCONTRACTORS.
15. BRACING AND TEMPORARY SUPPORTS SHALL BE PROVIDED AS REQUIRED TO HOLD THE WORK SECURELY IN PLACE AND TO SUSTAIN CONSTRUCTION LOADS.
16. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR CHANGE ORDER.
17. THE CONTRACTOR TO PROVIDE AND MAINTAIN SAFE ACCESS TO THE EXISTING BUILDING AND AREAS SURROUNDING AREA OF WORK.
18. ALL PENETRATIONS THROUGH FIRE-RATED WALLS AND SHAFTS SHALL BE EQUIPPED WITH DAMPERS, SEALANTS, OR OTHER APPROPRIATE AND APPROVED MATERIALS AND METHODS SO AS TO MAINTAIN THE RATING.
19. EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED IN OPERATION THROUGHOUT DEMOLITION AND CONSTRUCTION EFFORTS.

ANNOTATION TAG DESCRIPTIONS

TAG	TYPE	COMMENTS
OCCUPANCY USE; OCCUPANCY CLASSIFICATION; OCC LOAD FACTOR; AREA; OCCUPANT LOAD; R-2	CBC OCC TAG; CBC OCCUPANCY CLASSIFICATION TAG	
CDS NUMBER; DENOTES MODIFICATION TO CDS CABINET; WIDTH; DEPTH; DESCRIPTION; *ALL DIMENSIONS ARE NOMINAL OUTSIDE DIMENSIONS IN INCHES	CASEWORK TAG	REFER TO NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS (NAAWS) FOR ADDITIONAL INFORMATION
00'-0" CEILING HEIGHT; XXX CEILING TYPE; 00'-0" CEILING HEIGHT; XXX CEILING TYPE; VARIES CEILING HEIGHT	CEILING TAGS	
FIRE RATING (HRS); WALL TYPE; INSULATION TYPE; HEIGHT CONDITION; INSULATION TYPE: A - GROUND BATT, T - THERMAL BATT, X - NONE; HEIGHT CONDITION: A - STUD AND GYP. TO 6" ABOVE FINISHED CEILING, B - FULL HT. STUD TO STRUCTURE WITH GYP. 6" ABOVE FINISHED CEILING, C - FULL HT. STUD AND GYP. TO STRUCTURE, D - FULL HT. STUD AND GYP. TO TUNNEL CONDITION, E - SPECIFIED HEIGHT	WALL TAG	REFER TO WALL SCHEDULE AND DETAILS FOR ADDITIONAL INFORMATION

PROJECT SYMBOLS

SYMBOL	TYPE
1; A	GRID LINES - LETTERS HORIZONTAL GRID, NUMBERS VERTICAL GRID
1 SIM A101	DETAIL VIEW MARKER
1 A1.101	BUILDING / WALL SECTION MARKER
1 A1.101; A1.1	EXTERIOR ELEVATION MARKER; INTERIOR ELEVATION MARKER
100; 01; 7	WORK POINT, CONTROL POINT, DATUM POINT OR PROPERTY CORNER; DOOR MARKER; WINDOW MARKER; KEYNOTE MARKER
NAME 101 150 SF	ROOM NAME, ROOM NUMBER, AND ROOM SF TAG
1	REVISION CLOUD AND DELTA MARKER

HOLT ARCHITECTURE
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WWW.HOLTARCHITECTURE.COM
CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
PROJECT INFORMATION

SHEET NO.:
G003

A5.602
CALGreen VERIFICATION GUIDELINES
MANDATORY MEASURES CHECKLIST
2022 EDITION

APPLICATION: THIS CHECKLIST SHALL BE USED FOR NONRESIDENTIAL PROJECTS THAT MEET ONE OF THE FOLLOWING: NEW CONSTRUCTION, BUILDING ADDITIONS OF 1,000 SQUARE FEET OR GREATER, OR BUILDING ALTERATIONS WITH A PERMIT VALUATION OF $200,000 OR MORE PURSUANT TO SECTION 301.3 AND NOT TRIGGER A TIER 1 OR TIER 2 REQUIREMENT:

Y = YES (SECTION HAS BEEN SELECTED AND/OR INCLUDED)
N/A = NOT APPLICABLE (CODE SECTION DOES NOT APPLY TO THE PROJECT - MAINLY USED FOR ADDITIONS AND ALTERATIONS)
O = OTHER (PROVIDE EXPLANATION)
[N] = NEW CONSTRUCTION PURSUANT TO SECTION 301.3
[A] = ADDITIONAL AND/OR ALTERATIONS PURSUANT TO SECTION 301.3

CHAPTER 5 DIVISIONS

DIVISION 5.1 PLANNING AND DESIGN

REQUIREMENT	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
MANDATORY	STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN 1 ACRE OF LAND	5.106.1 THROUGH 5.106.2					
MANDATORY	SHORT-TERM BICYCLE PARKING (WITH EXCEPTION)	5.106.4.1.1					
MANDATORY	LONG-TERM BICYCLE PARKING	5.106.4.1.2 THROUGH...					
MANDATORY	ELECTRIC VEHICLE (EV) CHARGING [N] (WITH EXCEPTIONS)	5.106.5.3					
MANDATORY	EV CAPABLE SPACES [N]	5.106.5.3.1					
MANDATORY	ELECTRICAL VEHICLE CHARGING STATIONS (EVCS)	5.106.5.3.2					
MANDATORY	USE OF AUTOMATIC LOAD MANAGEMENT SYSTEMS (ALMS)	5.106.5.3.3					
MANDATORY	ACCESSIBLE EVCS	5.106.5.3.4					
MANDATORY	ELECTRIC VEHICLE (EV) CHARGING: MEDIUM-DUTY AND HEAVY DUTY (WITH EXCEPTIONS)	5.106.5.4					
MANDATORY	ELECTRIC VEHICLE CHARGING READINESS REQUIREMENTS FOR WAREHOUSES, GROCERY STORES AND RETAIL STORES WITH PLANNED OFF-STREET LOADING SPACES. [N]	5.106.5.4.1					
MANDATORY	LIGHT POLLUTION REDUCTION [N] (WITH EXEPTIONS)	5.106.8					
MANDATORY	FACING - BACKLIGHT (WITH EXCEPTIONS)	5.106.8.1					
MANDATORY	FACING - GLARE	5.106.8.2					
MANDATORY	GRADING AND PAVING (WITH EXCEPTIONS)	5.106.10					

DIVISION 5.2 ENERGY EFFICIENCY

REQUIREMENT	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
MANDATORY	MEET THE MINIMUM ENERGY EFFICIENCY STANDARD	5.201.1					

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

REQUIREMENT	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
MANDATORY	SEPARATE METERS (NEW BUILDINGS OR ADDITIONS > 50,000 SF THAT CONSUME MORE THAN 100 GAL/DAY)	5.303.1.1					
MANDATORY	SEPARATE METERS (FOR TENANTS IN NEW BUILDINGS OR ADDITIONS THAT CONSUME MORE THAN 1,000 GAL/DAY)	5.303.1.2					
MANDATORY	WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH (GPF)	5.303.3.1					
MANDATORY	WALL-MOUNTED URINALS SHALL NOT EXCEED 0.125 GPF	5.303.3.2.1					
MANDATORY	FLOOR-MOUNTED URINALS SHALL NOT EXCEED 0.5 GPF	5.303.3.2.2					
MANDATORY	SINGLE SHOWERHEAD SHALL HAVE MAXIMUM FLOW RATE OF 1.8 GPM (GALLONS PER MINUTE) AT 80 PSI	5.303.3.3.1					
MANDATORY	MULTIPLE SHOWERHEADS SERVING ONE SHOWER SHALL HAVE A COMBINED FLOW RATE OF 1.8 GPM AT 80 PSI.	5.303.3.3.2					
MANDATORY	NONRESIDENTIAL LAVATORY FAUCETS	5.303.3.4.1					
MANDATORY	KITCHEN FAUCETS	5.303.3.4.2					
MANDATORY	WASH FOUNTAINS	5.303.3.4.3					
MANDATORY	METERING FAUCETS	5.303.3.4.4					
MANDATORY	METERING FAUCETS FOR WASH FOUNTAINS	5.303.3.4.5					
MANDATORY	PRE-RINSE SPRAY VALVE	5.303.3.4.6					
MANDATORY	FOOD WASTE DISPOSERS	5.303.4.1					
MANDATORY	AREAS OF ADDITION OR ALTERATION	5.303.5					
MANDATORY	STANDARDS FOR PLUMBING FIXTURES AND FITTINGS	5.303.6					
MANDATORY	OUTDOOR POTABLE WATER USE IN LANDSCAPE AREA	5.304.1					

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

REQUIREMENT	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
MANDATORY	WEATHER PROTECTION	5.407.1					
MANDATORY	MOISTURE CONTROL: SPRINKLERS	5.407.2.1					
MANDATORY	MOISTURE CONTROL: EXTERIOR DOOR PROTECTION	5.407.2.2.1					
MANDATORY	MOISTURE CONTROL: FLASHING	5.407.2.2.2					
MANDATORY	CONSTRUCTION WASTE MANAGEMENT—COMPLY WITH EITHER SECTIONS 5.408.1.1, 5.408.1.2, 5.408.1.3 OR MORE STRINGENT LOCAL ORDINANCE	5.408.1.1, 5.408.1.2, 5.408.1.3					
MANDATORY	CONSTRUCTION WASTE MANAGEMENT: DOCUMENTATION	5.408.1.4					
MANDATORY	UNIVERSAL WASTE [A]	5.408.2					
MANDATORY	EXCAVATED SOIL AND LAND CLEARING DEBRIS (100% REUSE OR RECYCLE)	5.408.3					
MANDATORY	RECYCLING BY OCCUPANTS (WITH EXCEPTION)	5.410.1					
MANDATORY	RECYCLING BY OCCUPANTS: ADDITIONS (WITH EXCEPTION)	5.410.1.1					
MANDATORY	RECYCLING BY OCCUPANTS: LARGER ORDINANCE	5.410.1.2					
MANDATORY	COMMISSIONING FOR BUILDINGS > 10,000 SF [N]	5.410.2					
MANDATORY	OWNER'S OR OWNER REPRESENTATIVE'S PROJECT REQUIREMENTS (OPR) [N]	5.410.2.1					
MANDATORY	BASIS OF DESIGN (BOD) [N]	5.410.2.2					
MANDATORY	COMMISSIONING PLAN [N]	5.410.2.3					
MANDATORY	FUNCTIONAL PERFORMANCE TESTING [N]	5.410.2.4					
MANDATORY	DOCUMENTATION AND TRAINING [N]	5.410.2.5					
MANDATORY	SYSTEMS MANUAL [N]	5.410.2.5.1					
MANDATORY	SYSTEMS OPERATION TRAINING [N]	5.410.2.5.2					
MANDATORY	COMMISSIONING REPORT [N]	5.410.2.6					
MANDATORY	TESTING AND ADJUSTING FOR NEW BUILDINGS > 10,000 SF OR NEW SYSTEMS THAT SERVE ADDITIONS OR ALTERATIONS	5.410.4					
MANDATORY	SYSTEM TESTING PLAN FOR RENEWABLE ENERGY, LANDSCAPE IRRIGATION AND WATER REUSE [A]	5.410.4.2					
MANDATORY	PROCEDURES FOR TESTING AND ADJUSTING	5.410.4.3					
MANDATORY	PROCEDURES FOR HVAC BALANCING	5.410.4.3.1					
MANDATORY	REPORTING FOR TESTING AND ADJUSTING	5.410.4.4					
MANDATORY	OPERATION AND MAINTENANCE (O&M) MANUAL	5.410.4.5					
MANDATORY	INSPECTION AND REPORTS	5.410.4.5.1					

DIVISION 5.5 ENVIRONMENTAL QUALITY

REQUIREMENT	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
MANDATORY	FIREPLACES	5.503.1.1					
MANDATORY	WOODSTOVES	5.503.1.2					
MANDATORY	TEMPORARY VENTILATION	5.504.1					
MANDATORY	COVERING OF DUCTS OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION	5.504.3					
MANDATORY	ADHESIVES, SEALANTS, AND CAULKS	5.504.4.1					
MANDATORY	PAINTS AND COATINGS	5.504.4.2					
MANDATORY	AEROSOL PAINTS AND COATINGS	5.504.4.3					
MANDATORY	AEROSOL PAINTS AND COATINGS: VERIFICATION	5.504.4.3.2					
MANDATORY	CARPET SYSTEMS	5.504.4.4					
MANDATORY	CARPET CUSHION	5.504.4.4.1					
MANDATORY	CARPET ADHESIVES PER TABLE 5.504.4.1	5.504.4.4.2					
MANDATORY	COMPOSITE WOOD PRODUCTS	5.504.4.5					
MANDATORY	COMPOSITE WOOD PRODUCTS: DOCUMENTATION	5.504.4.5.3					
MANDATORY	RESILIENT FLOORING SYSTEMS	5.504.4.6					
MANDATORY	RESILIENT FLOORING: VERIFICATION OF COMPLIANCE	5.504.4.6.1					
MANDATORY	THERMAL INSULATION	5.504.4.7					
MANDATORY	THERMAL INSULATION: VERIFICATION OF COMPLIANCE	5.504.4.7.1					
MANDATORY	ACOUSTICAL CEILING AND WALL PANELS	5.504.4.8					
MANDATORY	ACOUSTICAL CEILING AND WALL PANELS: VERIFICATION OF COMPLIANCE	5.504.4.8.1					
MANDATORY	FILTERS (WITH EXCEPTION)	5.504.5.3					
MANDATORY	FILTERS: LABELING	5.504.5.3.1					
MANDATORY	ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL	5.504.7					
MANDATORY	INDOOR MOISTURE CONTROL	5.505.1					
MANDATORY	OUTDOOR AIR DELIVERY	5.506.1					
MANDATORY	CARBON DIOXIDE (CO2) MONITORING	5.506.2					
MANDATORY	ACOUSTICAL CONTROL (WITH EXCEPTION)	5.507.4					
MANDATORY	EXTERIOR NOISE TRANSMISSION, PRESCRIPTIVE METHOD (WITH EXCEPTIONS)	5.507.4.1					
MANDATORY	NOISE EXPOSURE WHERE NOISE CONTOURS ARE NOT READILY AVAILABLE	5.507.4.1.1					
MANDATORY	PERFORMANCE METHOD	5.507.4.2					
MANDATORY	SITE FEATURES	5.507.4.2.1					
MANDATORY	DOCUMENTATION OF COMPLIANCE	5.507.4.2.2					
MANDATORY	INTERIOR SOUND TRANSMISSION (WITH NOTE)	5.507.4.3					
MANDATORY	OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS	5.508.1					
MANDATORY	CHLOROFLUOROCARBONS (CFCS)	5.508.1.1					
MANDATORY	HALONS	5.508.1.2					
MANDATORY	SUPERMARKET REFRIGERANT LEAK REDUCTION FOR RETAIL FOOD STORES 8,000 SQUARE FEET OR MORE	5.508.2 THROUGH 5.508.2.6.3					
	END OF MANDATORY PROVISIONS						

DOCUMENTATION AUTHOR'S / RESPONSIBLE DESIGNER'S DECLARATION STATEMENT

I, MANDATORY: I ATTEST THAT THIS MANDATORY PROVISIONS CHECKLIST IS ACCURATE AND COMPLETE.

SIGNATURE:	
COMPANY:	DATE:
HOLT ARCHITECTURE	
ADDRESS:	LICENSE:
2300 MARKET ST #140	
CITY/STATE/ZIP:	PHONE:
RIVERSIDE CA, 92555	(951)462-1451

NOT USED

HOLT ARCHITECTURE
73051 COOK ST, STE 103 | 2350 MARKET ST, STE 140
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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

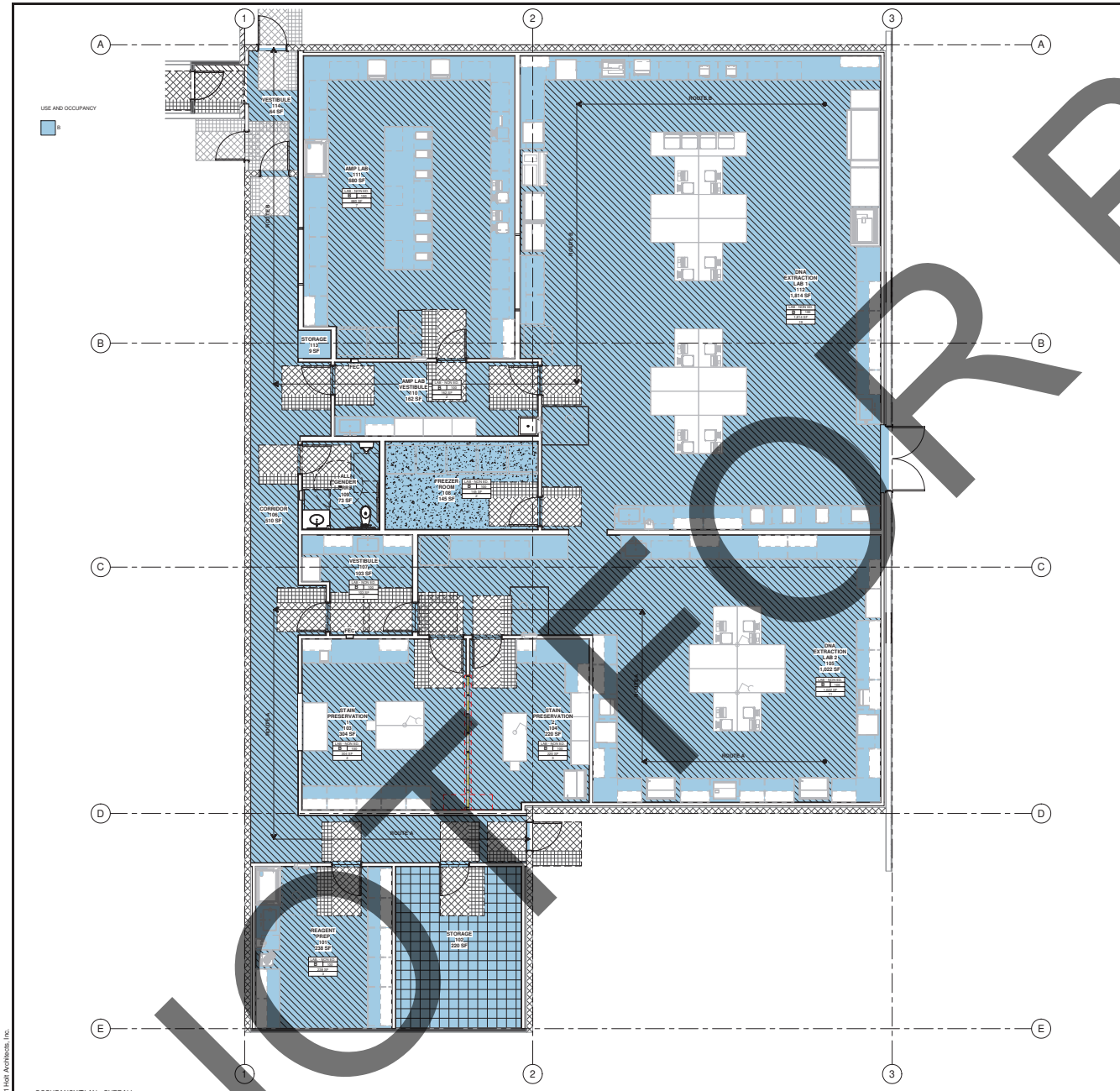
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
CALGREEN
CHECKLIST

SHEET NO.:
G004



1 OCCUPANCY PLAN - OVERALL
1/4" = 1'-0"

OCCUPANCY PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		EXIT SIGN	
		(E) WALL TO REMAIN	
		(E) 1-HR RATED WALL TO REMAIN	
		(N) FRAMED WALL	REFER TO A600 WALL SCHEDULE
CR		CR - CARD READER	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION
FEC		RECESSED FIRE EXTINGUISHER CABINET	REFER TO X/XX
		EGRESS ROUTE	

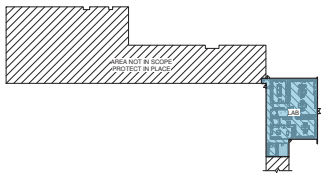
OCCUPANCY GENERAL NOTES

1. PER SECTION 303.1.2 - SMALL ASSEMBLY SPACES. A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES WITH AN OCCUPANT LOAD OF LESS 50 PERSONS AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS A GROUP B OCCUPANCY OR AS PART OF THAT OCCUPANCY.
2. SQUARE FOOTAGES SHOWN ON SCHEDULE ARE USEABLE AREA.
3. BUILDINGS AND SITE SHALL BE ACCESSIBLE PER TIA CCR. SIGNAGE SHALL BE PROVIDED USING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (#1590 DR - FEDERAL STANDARD 595b) AS REQUIRED ALONG ACCESSIBLE ROUTES TO ACCESSIBLE ENTRANCES. SIGNAGE SHALL ALSO BE INCLUDED AT EACH ACCESSIBLE ENTRANCE. REFER TO G102 FOR ADDITIONAL INFORMATION.
4. FIRE EXTINGUISHERS SHALL BE PLACED AS REQUIRED BY THE FIRE MARSHALL. FIRE EXTINGUISHERS SHALL BE PLACED IN FIRE EXTINGUISHER CABINETS. INSTALL PORTABLE FIRE EXTINGUISHERS PER NFPA PAMPHLET #2, BUT NOT LESS THAN 2108C IN RATING. CABINETS SHALL BE SURFACE MOUNTED OR SEMI-RECESSED PER PLAN.
5. FOR BUILDING OCCUPANT LOAD CALCULATIONS REFER TO G600.
6. FOR CODE ANALYSIS INFORMATION REFER TO G101.
7. FOR ALL BUILDING ACCESSIBILITY DETAILS REFER TO A500 AND A501.
8. FOR EMERGENCY LIGHTING LOCATIONS, REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.

OCCUPANCY PLAN KEYNOTES

NOT USED

KEY PLAN



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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

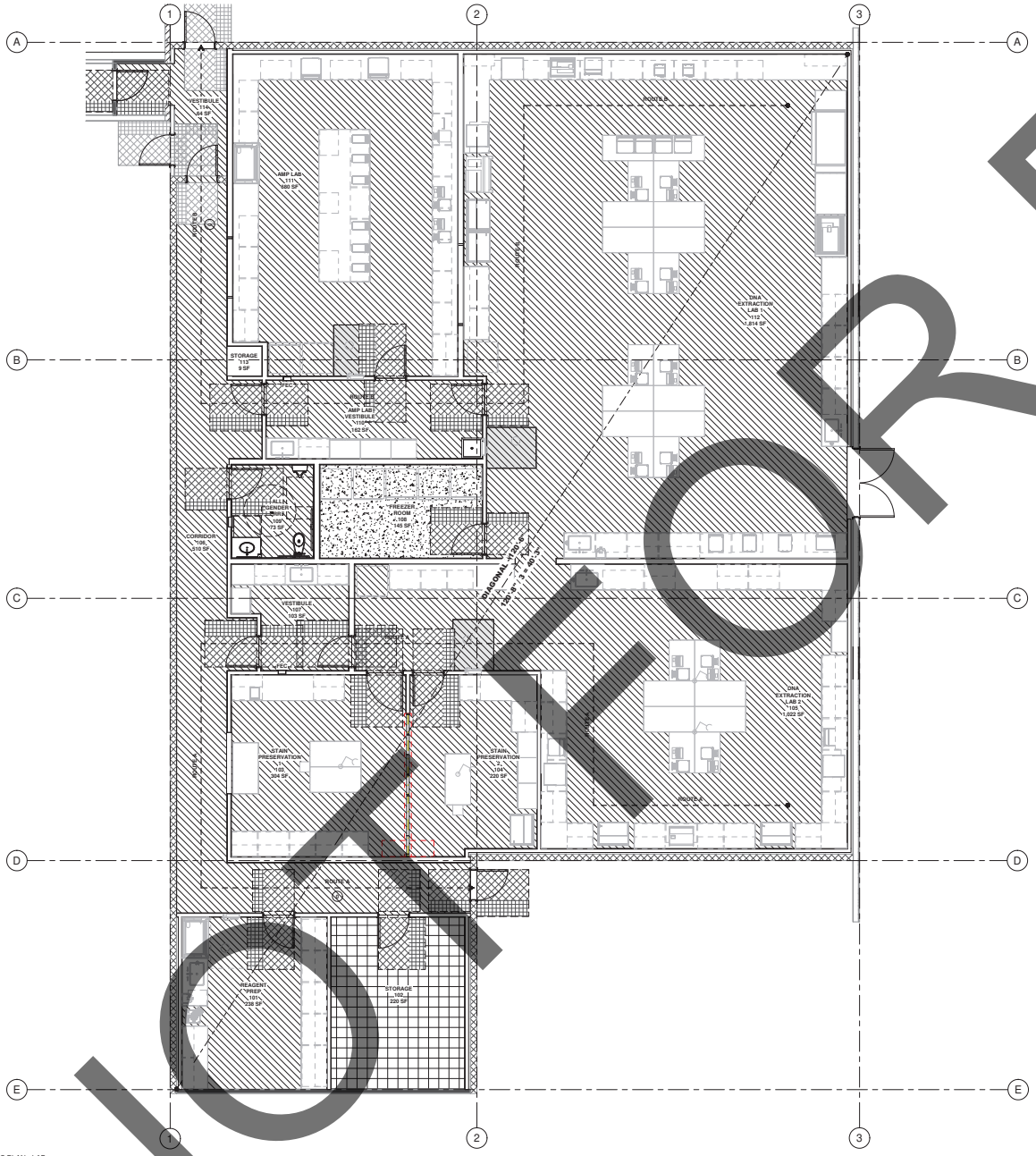
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
OCCUPANCY PLAN - LAB

SHEET NO.:
G100



1 CODE ANALYSIS PLAN - LAB
1/4" = 1'-0"

True North

CODE ANALYSIS PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		EXIT SIGN	
		(E) WALL TO REMAIN	
		(E) 1-HR RATED WALL TO REMAIN	
		(N) FRAMED WALL	REFER TO A601 WALL SCHEDULE
	CR	CR - CARD READER	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION
	FE	RECESSED FIRE EXTINGUISHER CABINET	REFER TO X/XX
	9	EXIT ACCESS ROUTE EXIT OCCUPANT LOAD	
		CLEAR FLOOR SPACE	

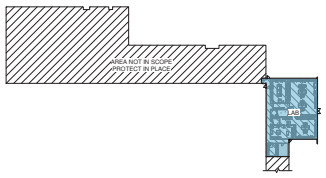
CODE GENERAL NOTES

1. PER SECTION 303.1.2 - SMALL ASSEMBLY SPACES. A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES WITH AN OCCUPANT LOAD OF LESS 50 PERSONS AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS A GROUP B OCCUPANCY OR AS PART OF THAT OCCUPANCY.
2. SQUARE FOOTAGES SHOWN ON SCHEDULE ARE USEABLE AREA.
3. BUILDINGS AND SITE SHALL BE ACCESSIBLE PER TH4 CCR. SIGNAGE SHALL BE PROVIDED USING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (#1590 OR FEDERAL STANDARD 595b) AS REQUIRED ALONG ACCESSIBLE ROUTES TO ACCESSIBLE FEATURES AND ELEMENTS. SIGNAGE SHALL ALSO BE INCLUDED AT EACH ACCESSIBLE ENTRANCE. REFER TO G102 FOR ADDITIONAL INFORMATION.
4. FIRE EXTINGUISHERS SHALL BE PLACED AS REQUIRED BY THE FIRE MARSHALL. FIRE EXTINGUISHERS SHALL BE PLACED IN FIRE EXTINGUISHER CABINETS. INSTALL PORTABLE FIRE EXTINGUISHERS PER NFPA PAMPHLET #2, BUT NOT LESS THAN 2108C IN RATING. CABINETS SHALL BE SURFACE MOUNTED OR SEMI-RECESSED PER PLAN.
5. FOR BUILDING OCCUPANT LOAD CALCULATIONS REFER TO G800.
6. FOR ALL BUILDING ACCESSIBILITY DETAILS REFER TO A550 AND A501.
7. FOR EMERGENCY LIGHTING LOCATIONS, REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.

EXIT ACCESS TRAVEL DISTANCE

ROUTE NAME	EGRESS LENGTH
ROUTE A	124'-9"
ROUTE B	121'-9"

KEY PLAN



True North

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2350 MARKET ST. STE 140 | RIVERSIDE, CA 92501 PH: 951.462.1451
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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

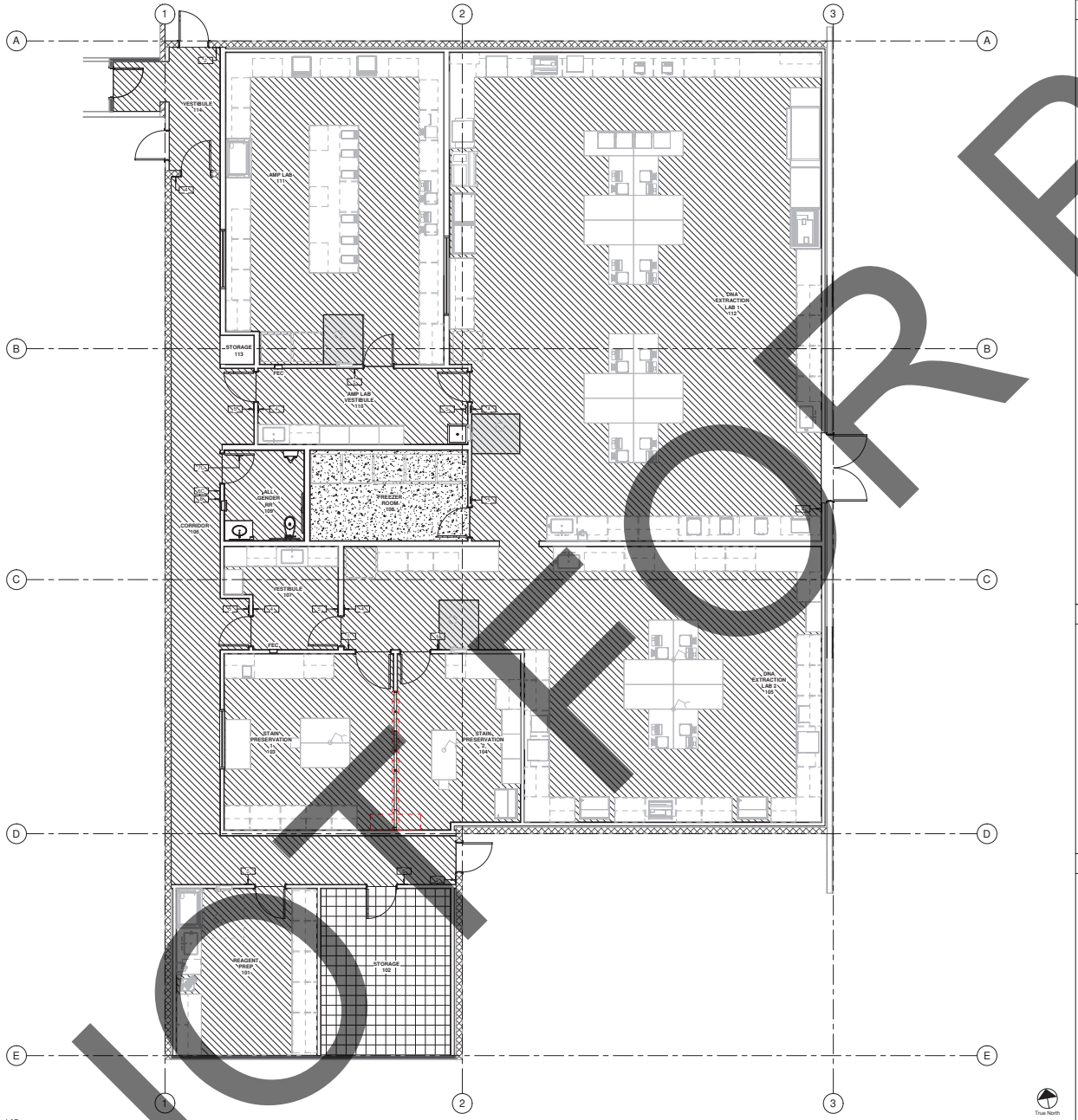
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
CODE ANALYSIS PLAN - LAB

SHEET NO.:
G101



1 SIGNAGE PLAN - LAB
1/4" = 1'-0"

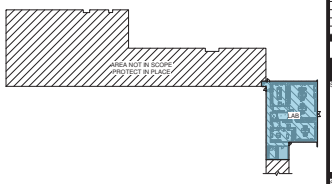
SIGNAGE PLAN LEGEND

NOT USED		INTERNATIONAL SYMBOL OF ACCESSIBILITY REFER TO DETAIL 8/AS01
2	EXIT	TACTILE EXIT SIGN TO READ "EXIT" REFER TO DETAIL 7/AS01
NOT USED	TO EXIT	TACTILE EXIT SIGN TO READ "TO EXIT" REFER TO DETAIL 9/AS01
4	EXIT ROUTE	TACTILE EXIT SIGN TO READ "EXIT ROUTE" REFER TO DETAIL 8/AS01
5	CONFERENCE ROOM	TACTILE ROOM IDENTIFICATION SIGN REFER TO DETAIL 6/AS01
NOT USED	WOMEN	TACTILE RESTROOM SIGN - WOMEN'S REFER TO DETAIL 2/AS01
NOT USED	MEN	TACTILE RESTROOM SIGN - MEN'S REFER TO DETAIL 2/AS01
EC	ALL GENDER	TACTILE RESTROOM SIGN - ALL GENDER REFER TO DETAIL 2/AS01
NOT USED		DOOR MOUNTED RESTROOM SIGN - WOMEN'S REFER TO DETAIL 3/AS01
NOT USED		DOOR MOUNTED RESTROOM SIGN - MEN'S REFER TO DETAIL 3/AS01
TG		DOOR MOUNTED RESTROOM SIGN - ALL GENDER REFER TO DETAIL 3/AS01
6	BABY CHANGING STATION	TACTILE BABY CHANGING STATION SIGN REFER TO DETAIL 4/AS01
NOT USED		"EVACUATION ROUTE" SIGN/FRAME REFER TO DETAIL 10/AS01
NOT USED	OCCUPANCY #####	MAXIMUM OCCUPANCY SIGN REFER TO DETAIL 5/AS01
NOT USED	NO SMOKING	NO SMOKING SIGN REFER TO DETAIL 12/AS01
NOT USED		ASSISTIVE LISTENING SYSTEM SIGN REFER TO DETAIL 1/AS01
NOT USED	THIS DOOR TO REMAIN UN-LOCKED WHEN BUILDING IS OCCUPIED	MAIN EXIT DOOR SIGN REFER TO DETAIL 15/AS01

SIGNAGE GENERAL NOTES

1. ALL SIGNAGE SHALL COMPLY WITH ALL CURRENT GOVERNING CODES.
2. CONTRACTOR TO PROVIDE ADHESIVE MOUNTING SYSTEM WHEN SIGNAGE IS REQUIRED TO BE MOUNTED ON GLAZING.
3. CONTRACTOR TO PROVIDE BLANK COVER PLATE, TO BE MOUNTED ON THE OPPOSITE SIDE OF GLAZING, TO COVER ADHESIVE MOUNTING SYSTEM.
4. CONTRACTOR TO PROVIDE 3-WAY FIRE EXTINGUISHER SIGNAGE AT ALL FIRE EXTINGUISHER LOCATIONS. REFER TO DETAIL 13/AS01
5. CONTRACTOR TO PROVIDE ALL REQUIRED BUILDING EVACUATION SIGNS INCLUDING LOCATION SPECIFIC EVACUATION SIGNS PROVIDING INFORMATION SUCH AS BUT NOT LIMITED TO, PATHS OF EGRESS FROM SIGN LOCATION IN BUILDING TO NEAREST EXITS, EXIT STAIR IDENTIFICATION, EXIT IDENTIFICATION, ETC... CONTRACTOR TO PROVIDE PROJECT SPECIFIC EVACUATION SIGN INSERTS IN SIGNAGE SUBMITTAL FOR REVIEW AND APPROVAL BY THE ARCHITECT. REFER TO SIGNAGE DETAILS ON SHEET AS02 FOR ALL MOUNTING HEIGHTS AND ADDITIONAL INFORMATION.

KEY PLAN



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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

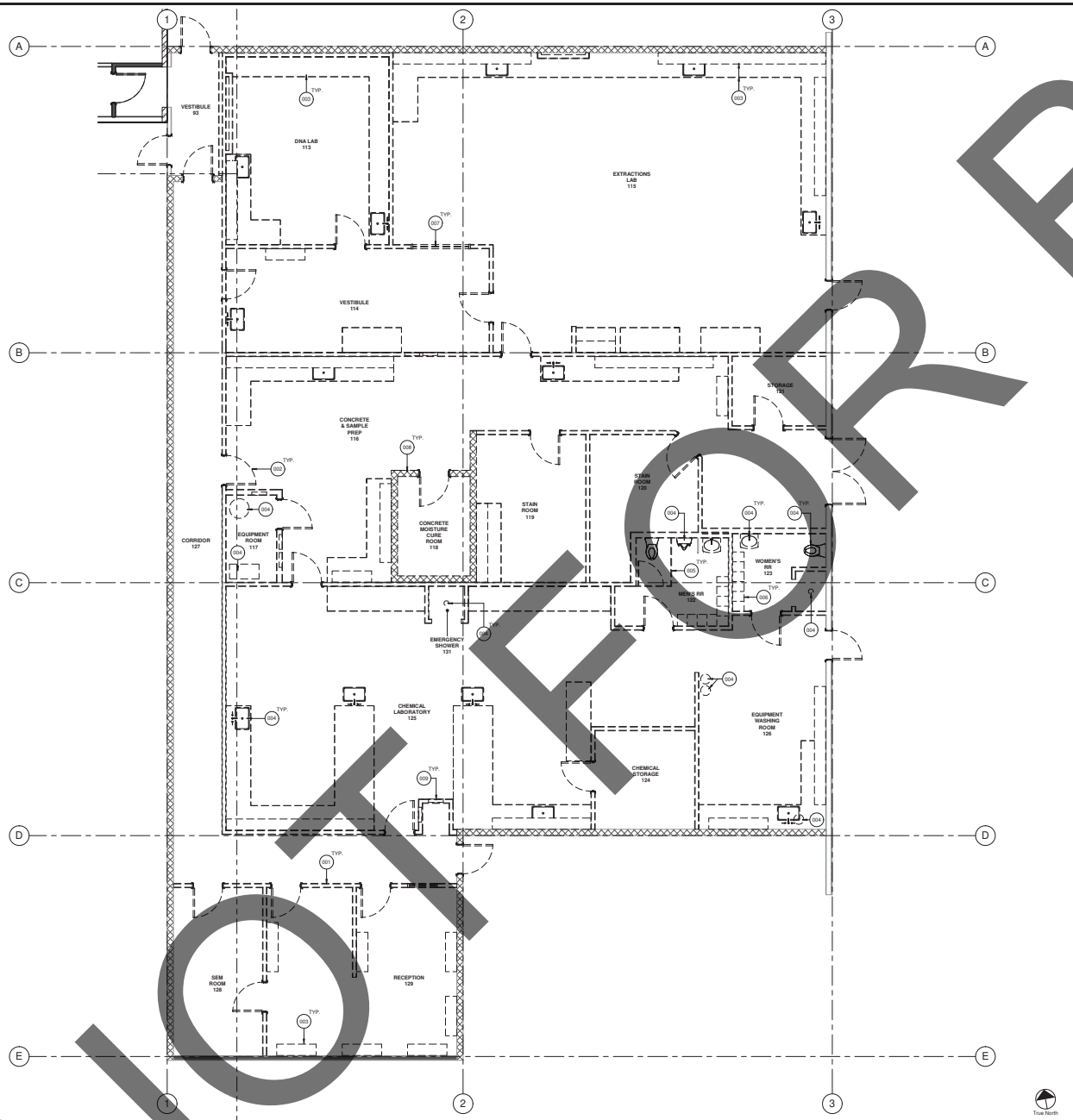
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
SIGNAGE PLAN - LAB

SHEET NO.:
G102



1 DEMOLITION FLOOR PLAN - LAB
1/4" = 1'-0"

DEMOLITION PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		(E) WALL TO REMAIN	
		(E) 1-HR RATED WALL TO REMAIN	
		(E) DOOR AND FRAME TO REMAIN	
		(E) WALL ASSEMBLY TO BE DEMOLISHED AND REMOVED	
		(E) DOOR AND FRAME TO BE DEMOLISHED AND REMOVED	

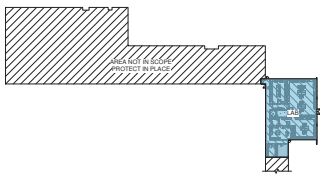
DEMOLITION GENERAL NOTES

1. REMOVE ALL FLOOR COVERINGS THROUGHOUT UNLESS NOTED OTHERWISE. REFER TO THE FINISH PLAN FOR FURTHER CLARIFICATION.
2. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING EXTERIOR WINDOW FRAMES, & GLASS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGED ITEMS TO MATCH EXISTING.
3. CONTRACTOR IS TO REMOVE ALL EXISTING DRYWALL TO EXPOSED EXISTING METAL STUD FRAMING AND INSULATION WHERE INDICATED ON PLAN.
4. FOR ALL ELECTRICAL, MECHANICAL, AND PLUMBING DEMOLITION INFORMATION, CONTRACTOR SHALL REFER TO CORRESPONDING PLANS.
5. DEMOLITION CONTRACTOR IS TO KEEP ANY EXISTING WALL THAT IS SUPPORTING EXISTING MECHANICAL SYSTEM UNLESS NOTED OTHERWISE. DEMOLITION CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER OF ANY WALL THAT IS TO REMAIN.
6. EXISTING AREAS SCHEDULED TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE PATCHED, REPAIRED AND FINISHED TO MATCH ADJACENT SURFACES AT NO COST TO THE OWNER.
7. PATCH AND REPAIR ALL EXISTING WALLS ADJACENT TO THE WORK TO ACHIEVE AN UNINTERRUPTED SURFACE PATCHING OF EXISTING FINISHES SHALL EXTEND TO THE NEAREST NATURAL BREAK OR TERMINATION TO PROVIDE A CONTINUOUS, UNBLEMISHED APPEARANCE.
8. THE DEMOLITION WORK SHALL BE COORDINATED BY ALL TRADES. FOR ADDITIONAL DEMOLITION WORK, REFERENCE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
9. CONTRACTOR SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN FIELD AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BEFORE START OF WORK.
10. CONTRACTOR TO VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, AND WALL OPENINGS FOR THE MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK.
11. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE ACCORDING TO REQUIREMENTS IN CFC 2013, CHAPTER 14.
12. THE FIRE SAFETY INSPECTOR REQUIRES THAT ANY PORTION OF THE DEMOLISHED FIRE RATED CORRIDOR WALLS SHALL BE COVERED TEMPORARILY WITH PLYWOOD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO STAGE THE WORK FLOW SO THAT THERE IS MINIMAL IMPACT TO THE DAILY BUSINESS ACTIVITIES GOING ON IN THE ADJOINING SPACES, AND COORIDOR.
13. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH SYSTEMS FURNITURE VENDOR FOR REMOVING FLOOR COVERINGS.
14. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR SAW CUTTING, DEMOLISHING, REMOVING, AND TRENCHING FOR NEW PLUMBING LINES REQUIRED FOR THE NEW RESTROOMS.
15. ASBESTOS IS PRESENT IN THE WORK AREA. REFER TO ASBESTOS REPORT PREPARED BY GEOCON WEST, INC., 41571 CORNING PLACE, SUITE 101, MURRIETA, CA 92562, GEOCON PROJECT NO. T2641-22-13

DEMOLITION KEYNOTES

001 (E) WALL ASSEMBLY TO BE DEMOLISHED AND REMOVED
002 (E) DOOR AND FRAME TO BE DEMOLISHED AND REMOVED
003 (E) CASEWORK / COUNTERTOP TO BE DEMOLISHED AND REMOVED
004 (E) PLUMBING FIXTURE TO BE DEMOLISHED AND REMOVED, REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION
005 (E) TOILET PARTITIONS TO BE DEMOLISHED AND REMOVED
006 (E) LOCKERS TO BE DEMOLISHED AND REMOVED
007 (E) WINDOW AND FRAME TO BE DEMOLISHED AND REMOVED
008 (E) CMU WALL TO BE DEMOLISHED AND REMOVED
009 (E) ELECTRICAL PANEL TO BE DEMOLISHED AND REMOVED, REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION

KEY PLAN



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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

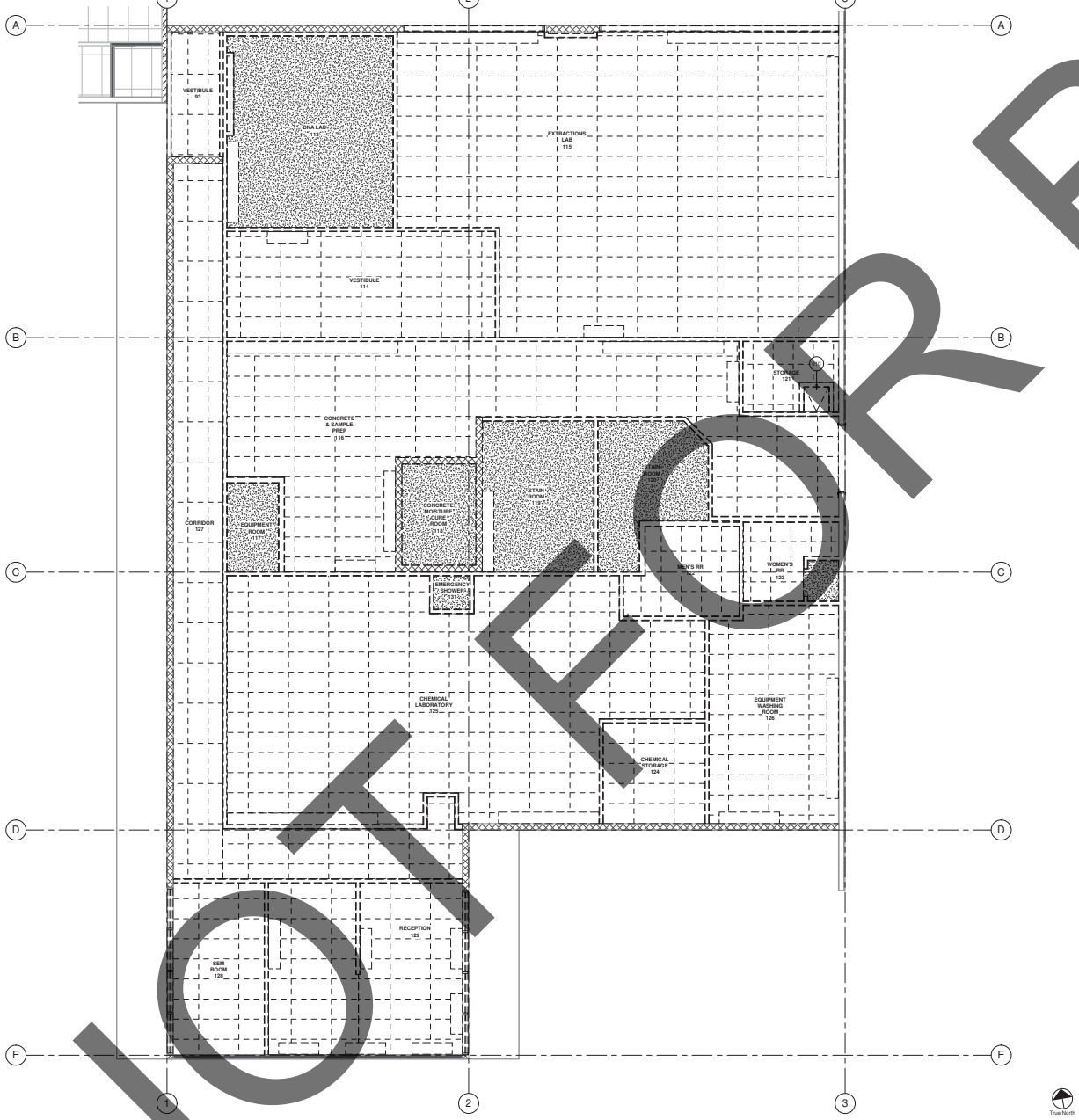
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
DEMOLITION
FLOOR PLAN - LAB

SHEET NO.:
AD100



1 DEMOLITION REFLECTED CEILING PLAN - LAB
1/4" = 1'-0"

DEMOLITION PLAN LEGEND

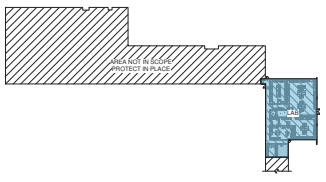
IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		(E) WALL TO REMAIN	
		(E) 1-HR RATED WALL TO REMAIN	
		(E) SUSPENDED CEILING TO REMAIN, PROTECT IN PLACE	
		(E) FIRE SPRINKLER TO REMAIN, PROTECT IN PLACE	
		(E) WALL ASSEMBLY TO BE DEMOLISHED AND REMOVED	
		(E) SUSPENDED CEILING SYSTEM TO BE DEMOLISHED AND REMOVED	
		(E) HVAC DIFFUSER TO BE DEMOLISHED AND REMOVED	REFER TO MECHANICAL FOR ADDITIONAL INFORMATION
		(E) LIGHT FIXTURE TO BE DEMOLISHED AND REMOVED	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION

DEMOLITION GENERAL NOTES

1. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING EXTERIOR WINDOW, FRAMES, & GLASS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGED ITEMS TO MATCH EXISTING.
2. CONTRACTOR IS TO REMOVE ALL EXISTING DRYWALL TO EXPOSED EXISTING METAL STUD FRAMING AND INSULATION WHERE INDICATED ON PLAN.
3. FOR ALL ELECTRICAL, MECHANICAL, AND PLUMBING DEMOLITION INFORMATION, CONTRACTOR SHALL REFER TO CORRESPONDING PLANS.
4. DEMOLITION CONTRACTOR IS TO KEEP ANY EXISTING WALL THAT IS SUPPORTING EXISTING MECHANICAL SYSTEM UNLESS NOTED OTHERWISE. DEMOLITION CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER OF ANY WALL THAT IS TO REMAIN.
5. EXISTING AREAS SCHEDULED TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE PATCHED, REPAIRED AND FINISHED TO MATCH ADJACENT SURFACES AT NO COST TO THE OWNER.
6. PATCH AND REPAIR ALL EXISTING WALLS ADJACENT TO THE WORK TO ACHIEVE AN UNINTERRUPTED SURFACE PATCHING OF EXISTING FINISHES SHALL EXTEND TO THE NEAREST NATURAL BREAK OR TERMINATION TO PROVIDE A CONTINUOUS, UNBLEMISHED APPEARANCE.
7. THE DEMOLITION WORK SHALL BE COORDINATED BY ALL TRADES, FOR ADDITIONAL DEMOLITION WORK, REFERENCE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
8. CONTRACTOR SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN FIELD AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BEFORE START OF WORK.
9. CONTRACTOR TO VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, AND WALL OPENINGS FOR THE MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK.
10. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE ACCORDING TO REQUIREMENTS IN CFC 2013, CHAPTER 14.
11. THE FIRE SAFETY INSPECTOR REQUIRES THAT ANY PORTION OF THE DEMOLISHED FIRE RATED CORRIDOR WALLS SHALL BE COVERED TEMPORARILY WITH PLYWOOD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO STAGE THE WORK FLOW SO THAT THERE IS MINIMAL IMPACT TO THE DAILY BUSINESS ACTIVITIES GOING ON IN THE ADJOINING SPACES, AND COORIDOR.
12. ASBESTOS IS PRESENT IN THE WORK AREA. REFER TO ASBESTOS REPORT PREPARED BY GEOCON WEST, INC., 41571 CORNING PLACE, SUITE 101, MURRIETA, CA 92562, GEOCON PROJECT NO. T2646-22-13

DEMOLITION KEYNOTES

KEY PLAN



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WWW.HOLTARCHITECTURE.COM

CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

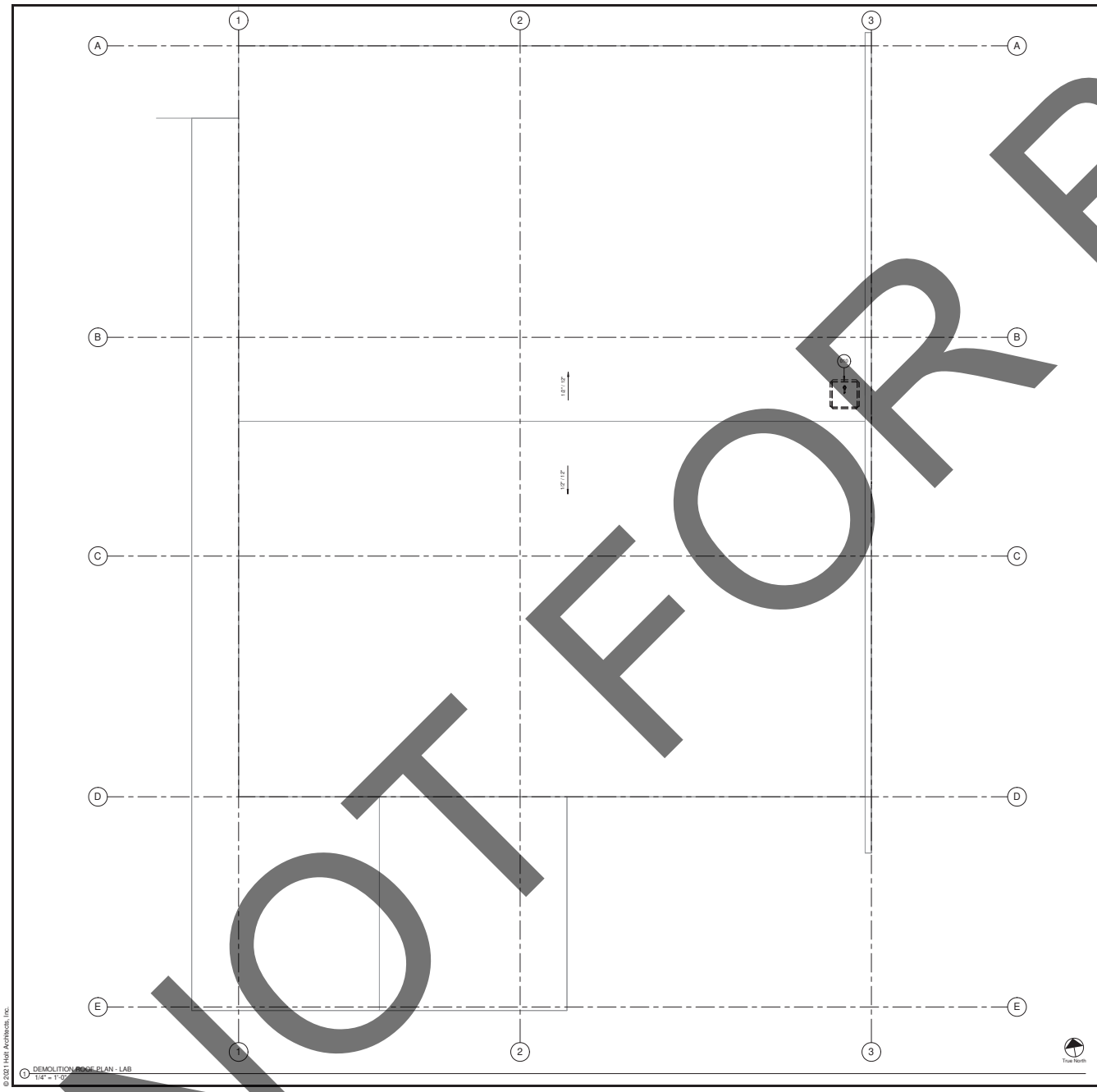
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
DEMOLITION REFLECTED CEILING PLAN - LAB

SHEET NO.:
AD120



1 DEMOLITION ROOF PLAN - LAB
1/4" = 1'-0"

DEMOLITION PLAN LEGEND

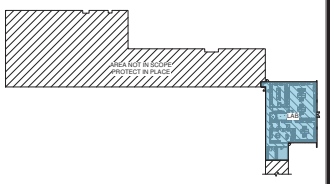
IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS

DEMOLITION GENERAL NOTES

1. EXISTING ROOFING TO REMAIN UNLESS NOTED OTHERWISE.
2. EXISTING AREAS SCHEDULED TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE PATCHED, REPAIRED AND FINISHED TO MATCH ADJACENT SURFACES AT NO COST TO THE OWNER.
3. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING FOR ADDITIONAL DEMOLITION INFORMATION.

DEMOLITION KEYNOTES

KEY PLAN



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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

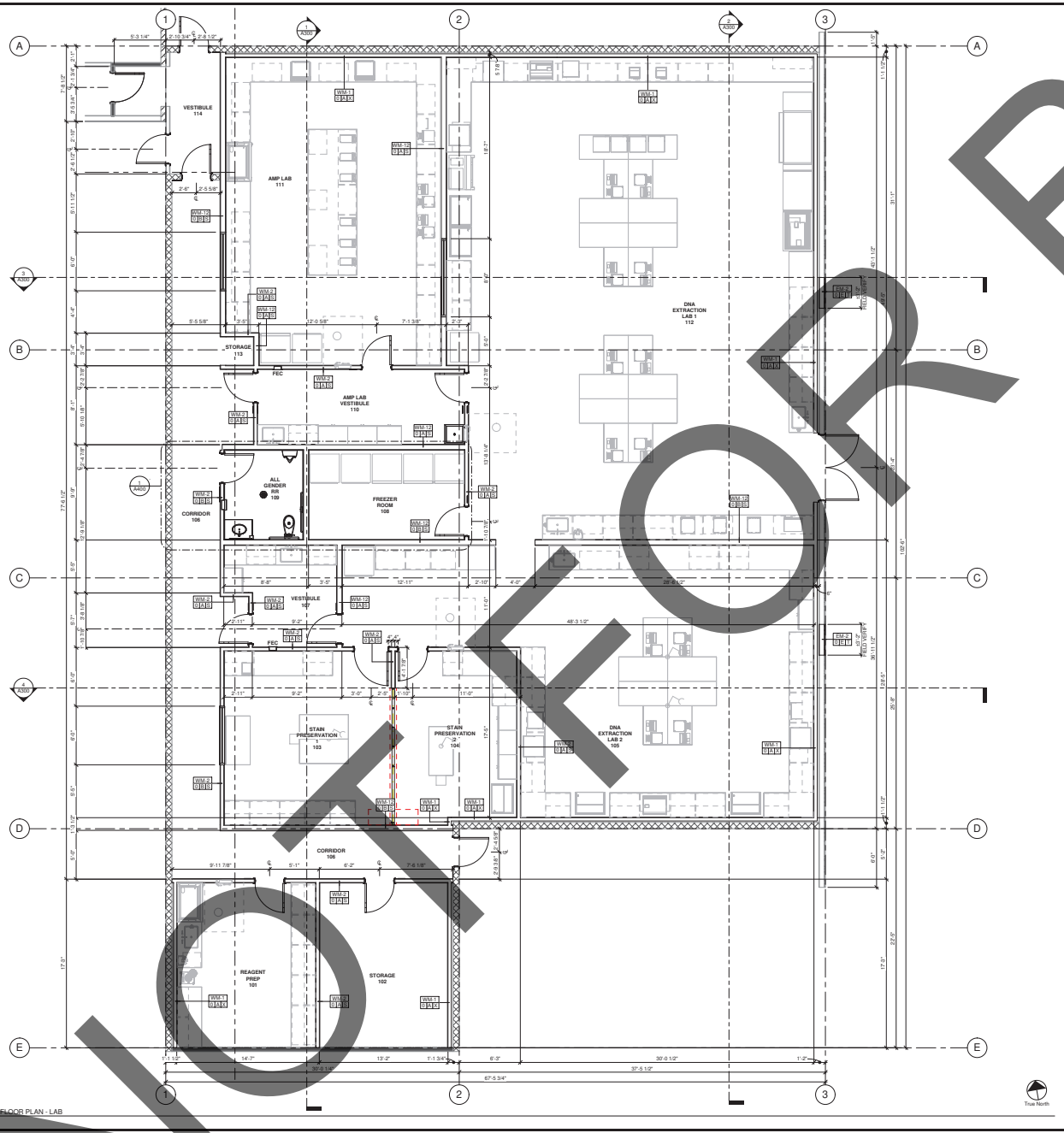
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
DEMOLITION
ROOF PLAN - LAB

SHEET NO.:
AD140



1 DIMENSIONAL FLOOR PLAN - LAB
1/4" = 1'-0"

FLOOR PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		(E) WALL TO REMAIN	
		(E) 1-HR RATED WALL TO REMAIN	
		(E) DOOR AND FRAME TO REMAIN	
	WM-2 01A1	(N) FRAMED WALL WALL TYPE MARKER	REFER TO A601 WALL SCHEDULE
		(N) DOOR AND FRAME	REFER TO A600 DOOR SCHEDULE
		(N) WINDOW SYSTEM	REFER TO A600 WINDOW SCHEDULE
CR		CR - CARD READER	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION
FEC		RECESSED FIRE EXTINGUISHER CABINET	REFER TO X/XX

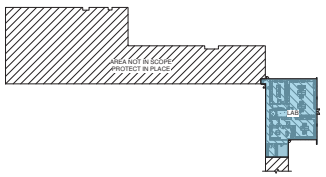
FLOOR PLAN GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF EXISTING WALLS, AND FACE OF NEW METAL STUD FRAMING UNLESS NOTED OTHERWISE ON PLANS.
2. CONTRACTOR TO PROVIDE BACKING REINFORCEMENT FOR FURNITURE & EQUIPMENT IN WALLS & CEILING LOCATIONS TYPICAL.
3. CONTRACTOR TO BRACE PARTITION WALLS TO UNDERSIDE OF DECK. CONTRACTOR SHALL NOT BRACE AT STRUCTURAL BEAMS. REFER TO DETAIL X/XX FOR TYPICAL PARTIAL HEIGHT PARTITION WALL BRACING INFORMATION.
4. ALL EXISTING CONDITIONS TO REMAIN UNLESS NOTED OTHERWISE.
5. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS IN FIELD.
6. GENERAL CONTRACTOR SHALL COORDINATE WITH DRYWALL CONTRACTOR TO MAKE SURE THEY REFER TO ELECTRICAL, MECHANICAL, & PLUMBING PLANS FOR ANY ADDITIONAL DRYWALL PATCH REQUIRED DUE TO NEW INFRASTRUCTURE IN EXISTING WALLS TO REMAIN AS INDICATED ON THE FLOOR PLAN. GENERAL CONTRACTOR IS RESPONSIBLE TO ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO BID. COUNTY WILL NOT BE RESPONSIBLE FOR ANY NEGLIGENCE BY THE GENERAL CONTRACTOR & OR SUB CONTRACTORS.
7. ALL VOIDS, CRACKS, & JOINTS AROUND DOOR FRAMES, JAMBS, DUCTS, & OUTLETS MUST BE FILLED WITH INSULATION AND SEALED WITH SPACKLING AND/OR CAULKING AND PAINTED.
8. PAINT ALL EXPOSED PLUMBING, MECHANICAL & OTHER ITEMS WITHOUT FACTORY FINISH SUCH AS CONDUITS, PIPES, ACCESS PANELS AND ITEMS OF A SIMILAR NATURE TO MATCH ADJACENT SURFACE FINISH UNLESS NOTED OTHERWISE.
9. FIRE EXTINGUISHERS SHALL BE PLACED AE REQUIRED BY THE FIRE MARSHALL. INSTALL PORTABLE FIRE EXTINGUISHERS PER NFPA PAMPHLET #2, BUT NOT LESS THAN 2108C IN RATING. REFER TO LAB EQUIPMENT PLANS FOR COORDINATION AND ADDITIONAL INFORMATION WITH CASEWORK / EQUIPMENT.
10. ALL DOORS ARE TO BE LOCATED 4" FROM FACE OF ADJACENT WALL STUD UNLESS DIMENSIONED OTHERWISE ON PLANS.

FLOOR PLAN KEYNOTES

NOT USED

KEY PLAN



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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

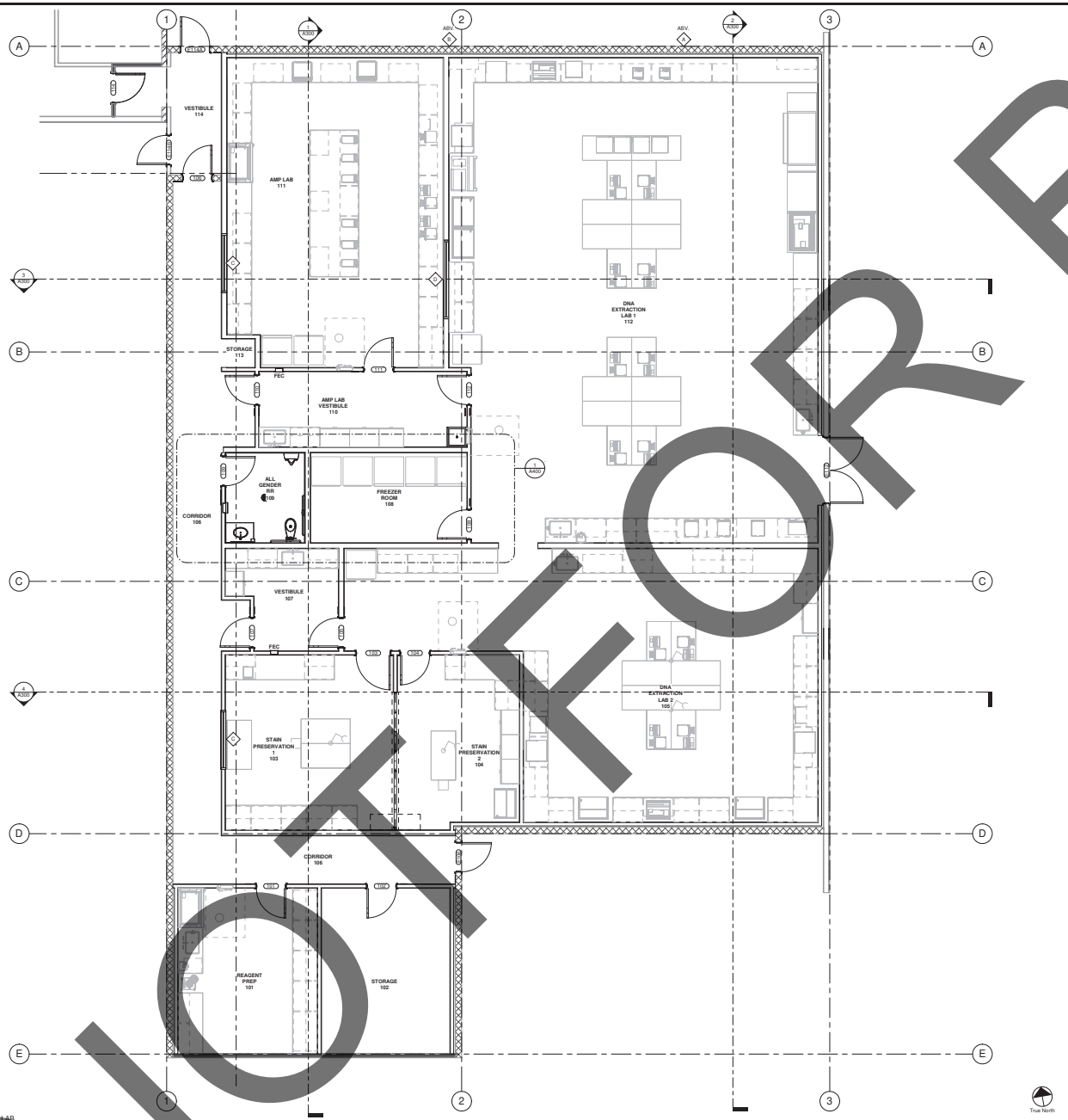
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
DIMENSIONAL FLOOR PLAN - LAB

SHEET NO.:
A100



1 FLOOR PLAN - LAB
1/4" = 1'-0"

FLOOR PLAN LEGEND

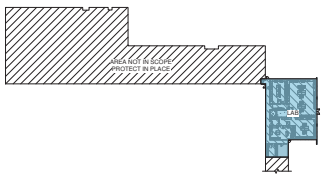
IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		(E) WALL TO REMAIN	
		(E) 1-HR RATED WALL TO REMAIN	
		(E) DOOR AND FRAME TO REMAIN	
		(N) FRAMED WALL	REFER TO A601 WALL SCHEDULE
		(N) DOOR AND FRAME	REFER TO A600 DOOR SCHEDULE
		DOOR TAG MARKER	
		(N) WINDOW SYSTEM	REFER TO A600 WINDOW SCHEDULE
		WINDOW TAG MARKER	
	CR	CR - CARD READER	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION
	FEC	RECESSED FIRE EXTINGUISHER CABINET	REFER TO X/XX

FLOOR PLAN GENERAL NOTES

1. CONTRACTOR TO PROVIDE BACKING REINFORCEMENT FOR FURNITURE & EQUIPMENT IN WALLS & CEILING LOCATIONS TYPICAL.
2. CONTRACTOR TO BRACE PARTITION WALLS TO UNDERSIDE OF DECK. CONTRACTOR SHALL NOT BRACE AT STRUCTURAL BEAMS. REFER TO DETAIL X/XX FOR TYPICAL PARTIAL HEIGHT PARTITION WALL BRACING INFORMATION.
3. ALL EXISTING CONDITIONS TO REMAIN UNLESS NOTED OTHERWISE.
4. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS IN FIELD.
5. GENERAL CONTRACTOR SHALL COORDINATE WITH DRYWALL CONTRACTOR TO MAKE SURE THEY REFER TO ELECTRICAL, MECHANICAL, & PLUMBING PLANS FOR ANY ADDITIONAL DRYWALL PATCH REQUIRED DUE TO NEW INFRASTRUCTURE IN EXISTING WALLS TO REMAIN AS INDICATED ON THE FLOOR PLAN. GENERAL CONTRACTOR IS RESPONSIBLE TO ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO BID. COUNTY WILL NOT BE RESPONSIBLE FOR ANY NEGLIGENCE BY THE GENERAL CONTRACTOR & OR SUB CONTRACTORS.
6. ALL VOIDS, CRACKS, & JOINTS AROUND DOOR FRAMES, JAMBS, DUCTS, & OUTLETS MUST BE FILLED WITH INSULATION AND SEALED WITH SPACKLING AND/OR CAULKING AND PAINTED.
7. PAINT ALL EXPOSED PLUMBING, MECHANICAL & OTHER ITEMS WITHOUT FACTORY FINISH SUCH AS CONDUITS, PIPES, ACCESS PANELS AND ITEMS OF A SIMILAR NATURE TO MATCH ADJACENT SURFACE FINISH UNLESS NOTED OTHERWISE.
8. FIRE EXTINGUISHERS SHALL BE PLACED AE REQUIRED BY THE FIRE MARSHALL. INSTALL PORTABLE FIRE EXTINGUISHERS PER NFPA PAMPHLET #2, BUT NOT LESS THAN 2107BC IN RATING. REFER TO LAB EQUIPMENT PLANS FOR COORDINATION AND ADDITIONAL INFORMATION WITH CASEWORK / EQUIPMENT.

FLOOR PLAN KEYNOTES

KEY PLAN



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SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

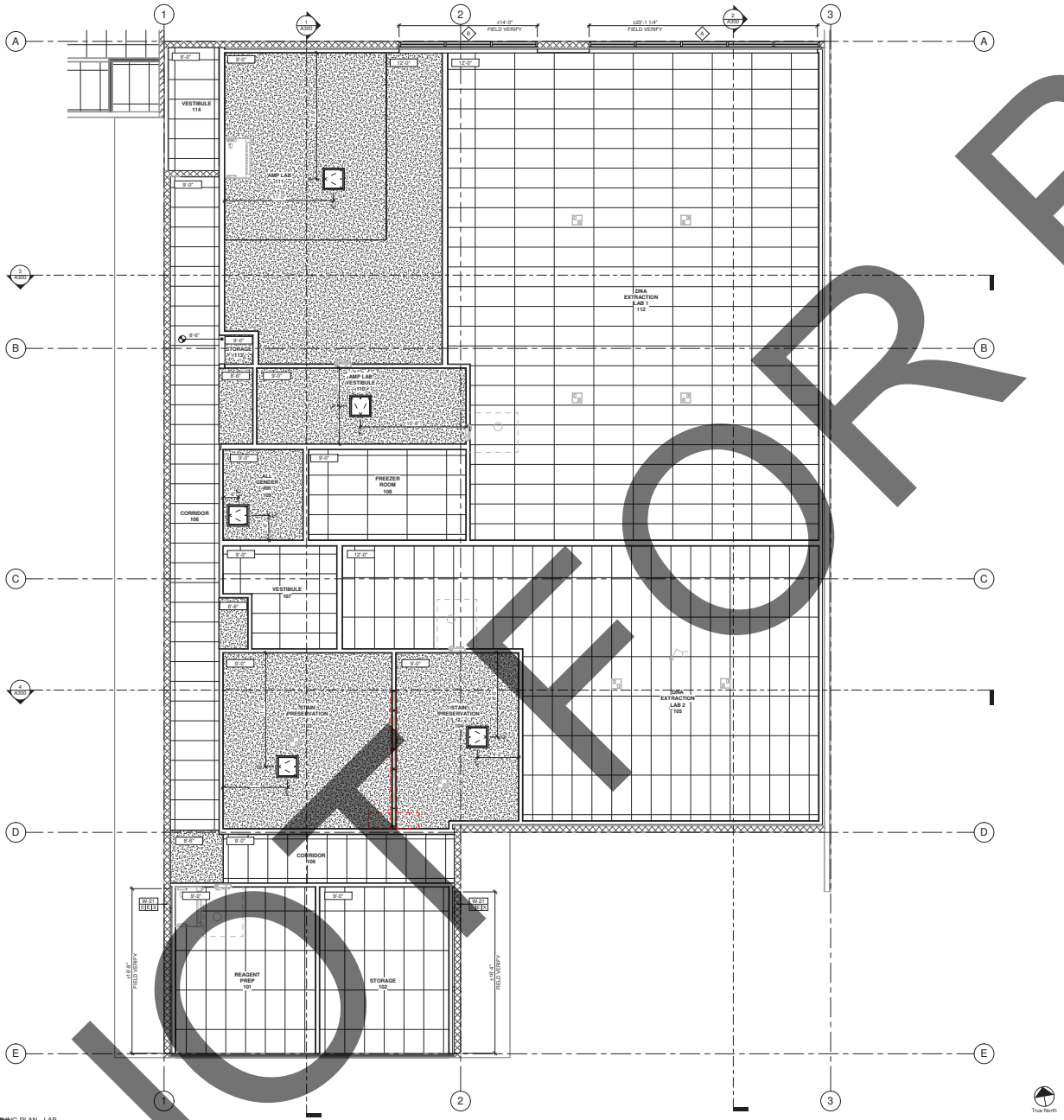
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
FLOOR PLAN - LAB

SHEET NO.:
A101



1 REFLECTED CEILING PLAN - LAB
1/4" = 1'-0"

RCP LEGEND

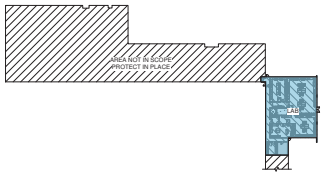
IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		(E) WALL TO REMAIN	
		(E) 1-HR RATED WALL TO REMAIN	
		(E) SUSPENDED CEILING TO REMAIN, PROTECT IN PLACE	
		(E) FIRE SPRINKLERS TO REMAIN, PROTECT IN PLACE	
		(N) FRAMED WALL	
	ACT-1	ACOUSTICAL CEILING TILE & GRID	REFER TO INTERIOR MATERIAL SCHEDULE FOR ADDITIONAL INFORMATION
	GWB-1	HARD LID CEILING	PAINT FINISH. REFER TO INTERIOR MATERIAL SCHEDULE FOR COLOR.
		24" X 24" ACCESS PANEL	REFER TO X/XX
		HVAC DIFFUSER	REFER TO MECHANICAL FOR ADDITIONAL INFORMATION
		ARTICULATING TASK EXHAUST	REFER TO MECHANICAL FOR ADDITIONAL INFORMATION
		LIGHT FIXTURE	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION
		OVERHEAD CHORD REEL (OHCR)	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION

RCP GENERAL NOTES

1. FIRE SPRINKLER HEAD PLACEMENT SHALL BE LOCATED IN THE CENTER OF 2'-0" BY 4'-0" ACOUSTICAL CEILING TILE TYPICAL THROUGHOUT PROJECT. ANY PLACEMENT OF HEAD THAT CAN NOT MAKE REQUIREMENTS SHALL BE INDENTIFIED AND MUST GET APPROVAL FROM ARCHITECT PRIOR TO INSTALLATION.

RCP KEYNOTES

KEY PLAN



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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

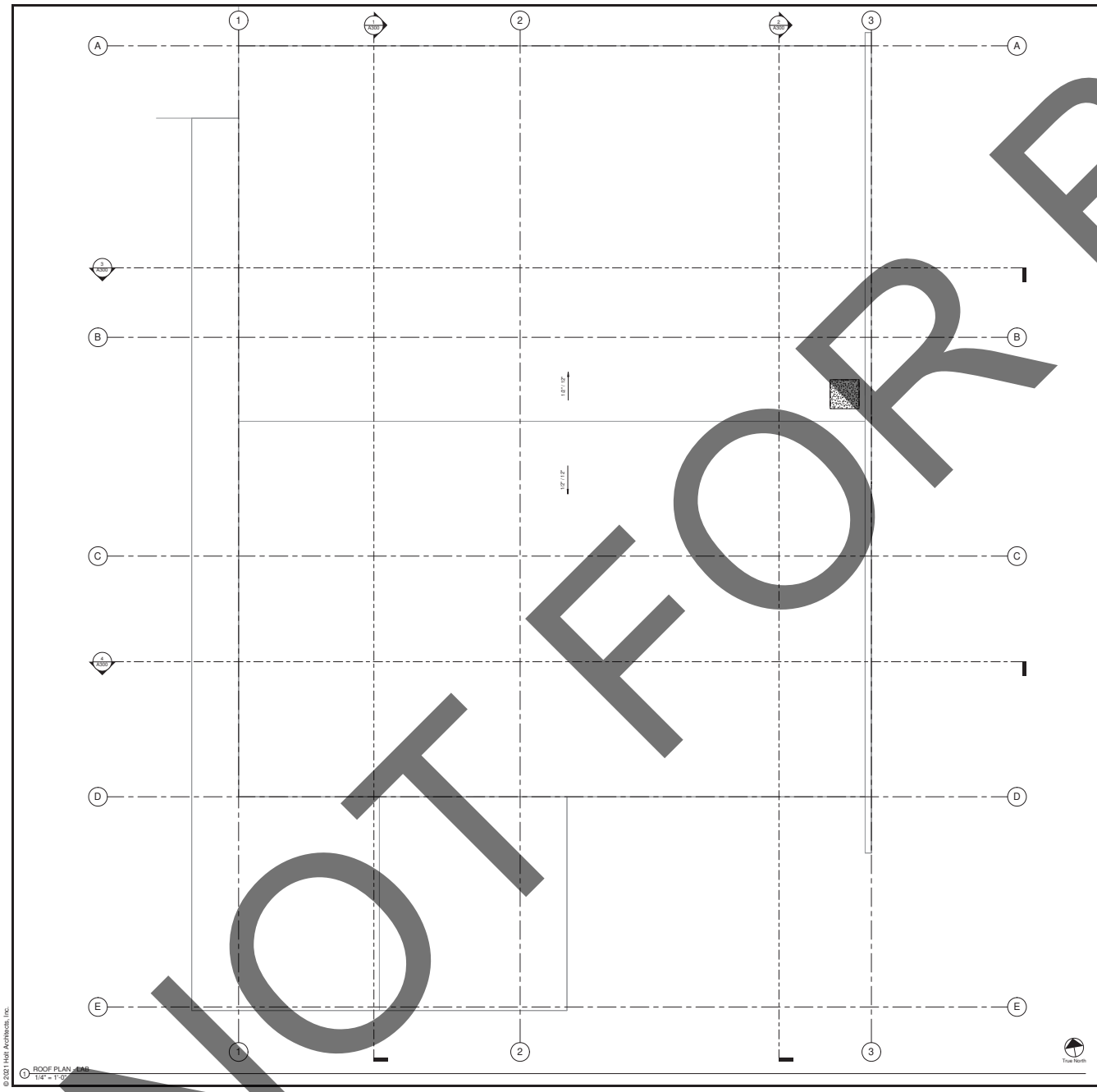
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
REFLECTED CEILING PLAN - LAB

SHEET NO.:
A120



1 ROOF PLAN - LAB
1/4" = 1'-0"

ROOF PLAN LEGEND

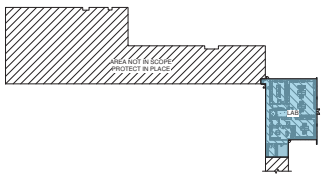
IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		ROOF PATCH	REFER TO X/XX FOR ADDITIONAL INFORMATION

ROOF PLAN GENERAL NOTES

1. PATCH AND REPAIR ROOF TO MATCH EXISTING ROOF WARRANTY, TYPICAL.

ROOF PLAN KEYNOTES

KEY PLAN



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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

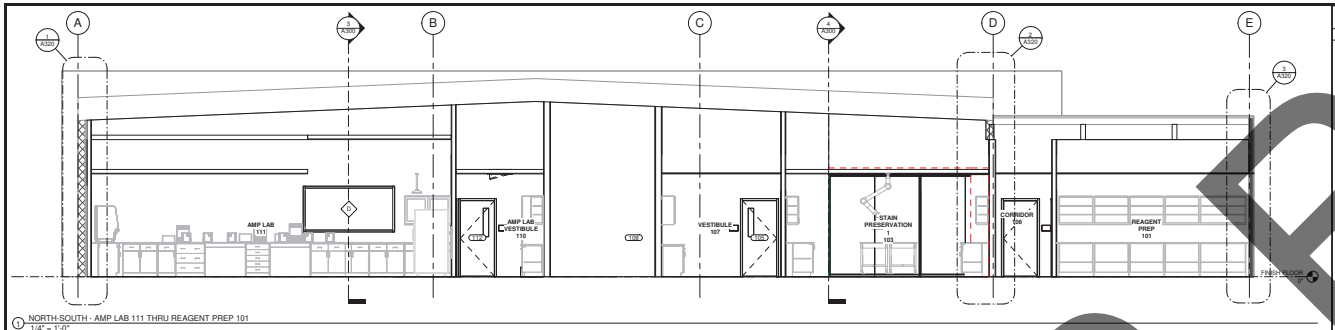
CLIENT:

MARK	DATE	DESCRIPTION

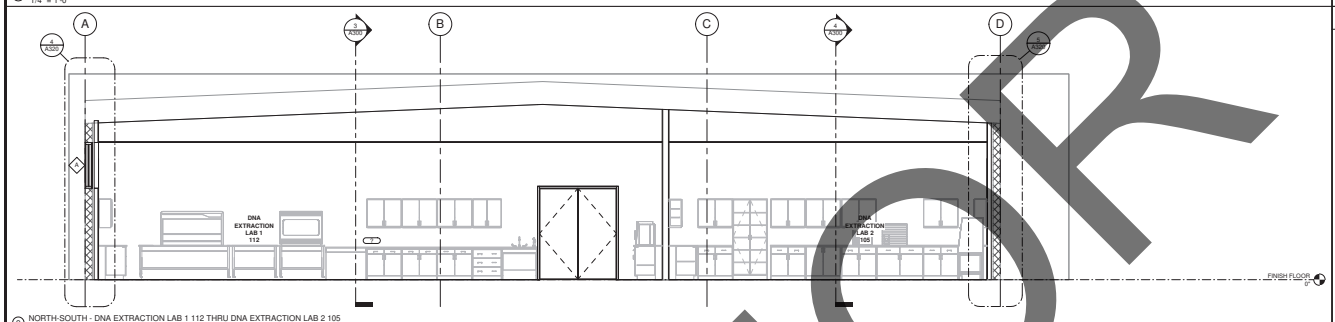
PROJECT NO.: SBC.002

SHEET TITLE:
ROOF PLAN - LAB

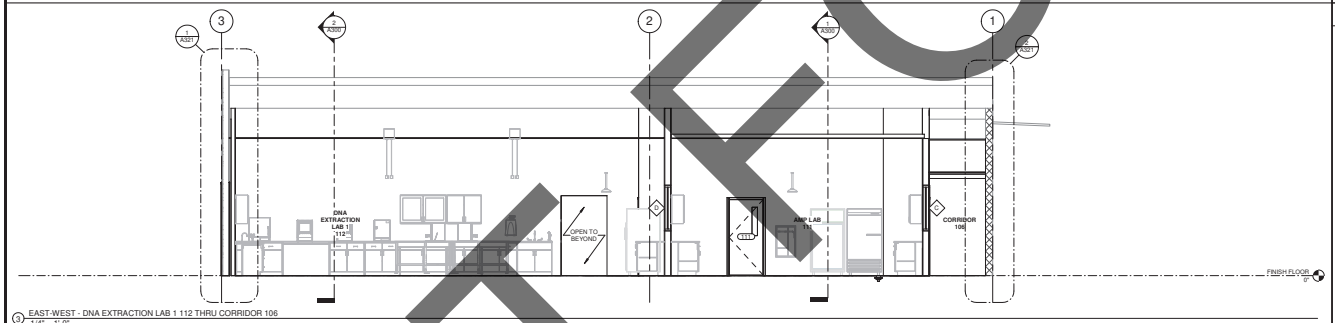
SHEET NO.:
A140



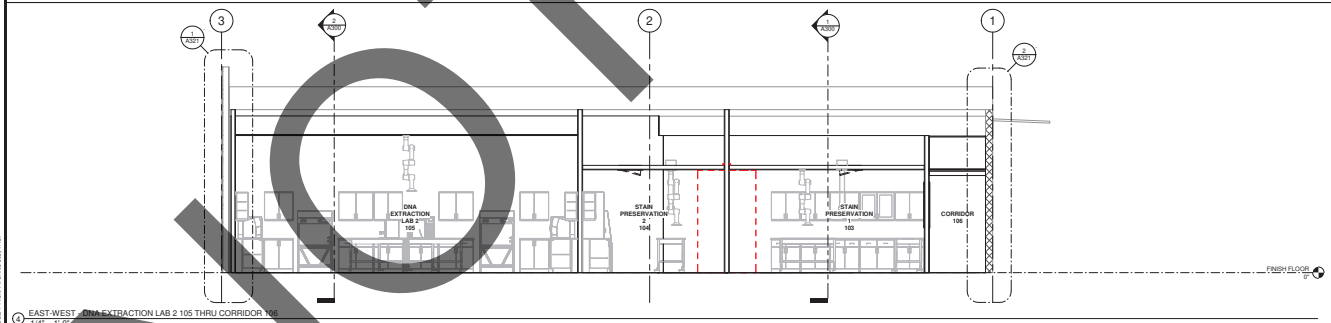
1 NORTH-SOUTH - AMP LAB 111 THRU REAGENT PREP 101
1/4" = 1'-0"



2 NORTH-SOUTH - DNA EXTRACTION LAB 1 112 THRU DNA EXTRACTION LAB 2 105
1/4" = 1'-0"



3 EAST-WEST - DNA EXTRACTION LAB 1 112 THRU CORRIDOR 106
1/4" = 1'-0"



4 EAST-WEST - DNA EXTRACTION LAB 2 105 THRU CORRIDOR 106
1/4" = 1'-0"

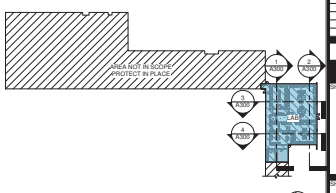
SECTION LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS

SECTION GENERAL NOTES

SECTION KEYNOTES

KEY PLAN



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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

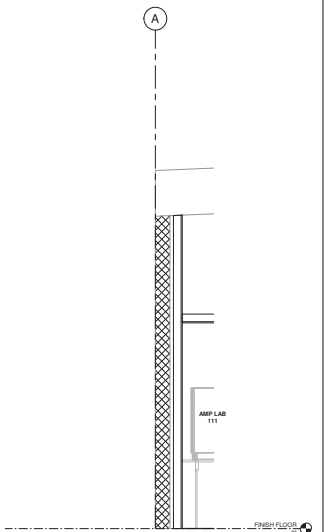
CLIENT:

MARK	DATE	DESCRIPTION

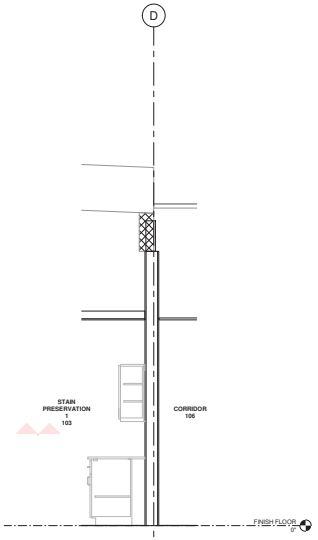
PROJECT NO.: SBC.002

SHEET TITLE:
BUILDING
SECTIONS

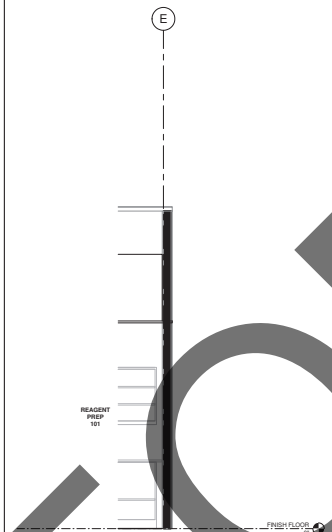
SHEET NO.:
A300



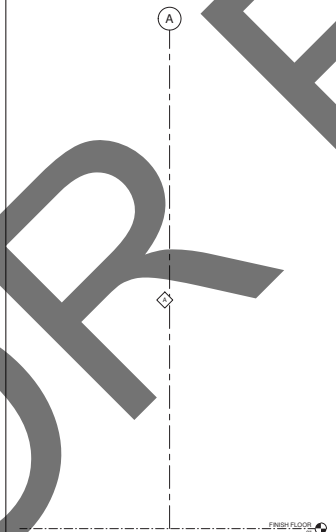
1 WALL SECTION #1
1/2" = 1'-0"



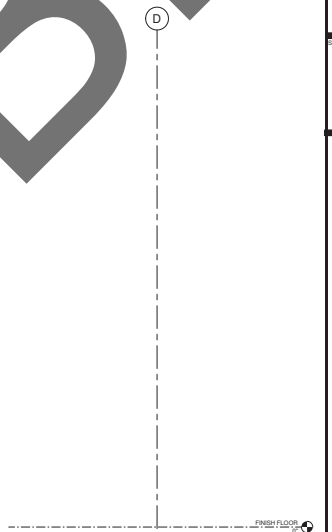
2 WALL SECTION #2
1/2" = 1'-0"



3 WALL SECTION #3
1/2" = 1'-0"



4 WALL SECTION #4
1/2" = 1'-0"



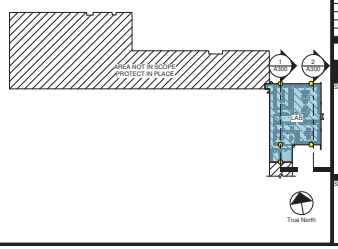
5 WALL SECTION #5
1/2" = 1'-0"

SECTION GENERAL NOTES

SECTION KEYNOTES

NOT USED

KEY PLAN



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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

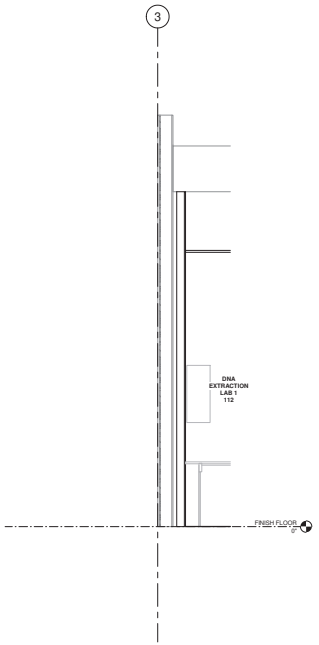
CLIENT:

MARK	DATE	DESCRIPTION

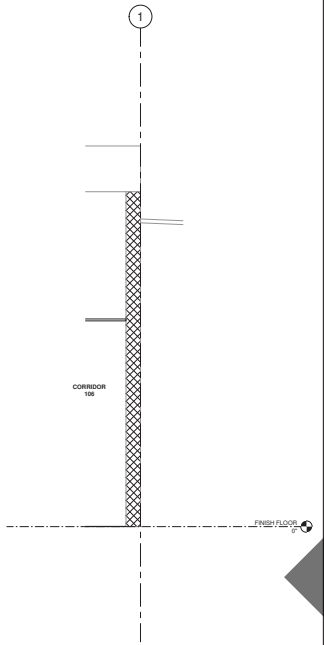
PROJECT NO.: SBC.002

SHEET TITLE:
WALL SECTIONS

SHEET NO.:
A320



1 WALL SECTION #6
1/2" = 1'-0"



2 WALL SECTION #7
1/2" = 1'-0"

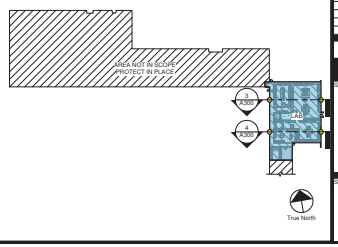
NOT USED

NOT USED

SECTION GENERAL NOTES

SECTION KEYNOTES

KEY PLAN



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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

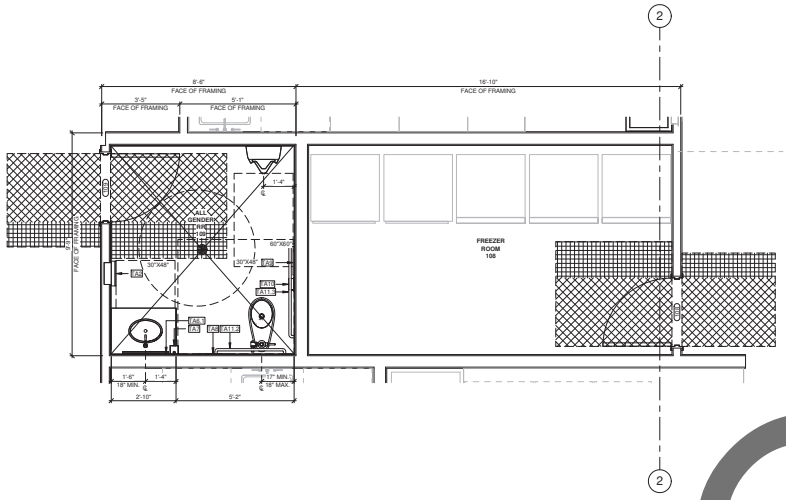
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
WALL SECTIONS

SHEET NO.:
A321



1 ENLARGED PLAN - FREEZER ROOM 108 & ALL GENDER RR 109
1/2" = 1'-0"

True North

NOT USED

NOT USED

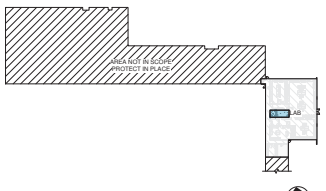
FLOOR PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS	IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS

FLOOR PLAN GENERAL NOTES

FLOOR PLAN KEYNOTES

KEY PLAN



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SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

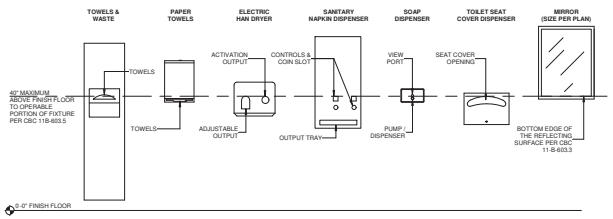
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

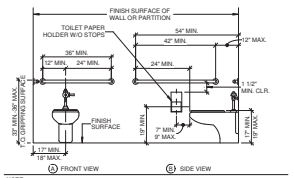
SHEET TITLE:
ENLARGED PLAN

SHEET NO.:
A400



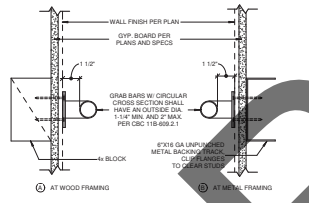
NOTE:
SOME ITEMS MAY BE NOT USED ON THIS PROJECT. REFER TO ENLARGED PLANS, INTERIOR ELEVATIONS, AND PROJECT SPECIFICATIONS FOR SPECIFIC ITEMS.

1 ACCESSIBLE MOUNTING HEIGHT
3/4" = 1'-0"



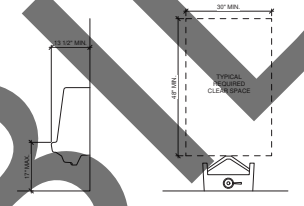
NOTE:
1. THE CONTROLS FOR THE FLUSH VALVE SHALL:
   A. BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST, PER CBC 11B-309.4.
   B. BE MOUNTED ON THE OPEN SIDE OF THE WATER CLOSET AND SHALL BE LOCATED 44" MAX. A.F.F., PER CBC 11B-604.6.
   C. HAVE AN ACTIVATING FORCE OF FIVE POUNDS MAXIMUM TO ACTIVATE, PER CBC 11B-309.4.

2 ACCESSIBLE STALL ELEVATION
1/2" = 1'-0"



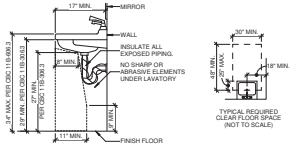
NOTE:
1. GRAB BAR SHALL BE ABLE TO SUPPORT A 250 LB. LOAD PER CBC 11B-609.8.
2. PROVIDE TWO ANCHORING SCREWS ON TOP AND ONE ANCHORING ON BOTTOM.
3. METAL BACKING TRACK SHALL BE CONTINOUS OVER THREE STUDS MINIMUM, ATTACHED WITH FOUR #10 SMS EACH STUD, TYPICAL.

4 GRAB BAR MOUNTING
3" = 1'-0"



NOTE:
1. URINALS SHALL COMPLY WITH CBC 11B-605.
2. URINALS SHALL BE STALL-TYPE OR WALL-HUNG TYPE WITH THE RIM 17 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. URINALS SHALL BE 13-1/2 INCHES DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE.
3. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH CBC 11B-305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.
4. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH CBC 11B-309, EXCEPT THAT THE FLUSH CONTROL SHALL BE MOUNTED AT A MAXIMUM HEIGHT OF 44 INCHES ABOVE THE FINISH FLOOR.

5 WALL MOUNTED URINAL
3/4" = 1'-0"



NOTE:
1. THE ACCESSIBLE LAVATORIES SHALL COMPLY WITH THE FOLLOWING PER CBC SECTIONS 11B-606.
2. FAUCET CONTROLS AND SINK DEPTHS:
   A. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR TEN SECONDS MINIMUM, PER CBC 11B-606.4.
   B. CONTROLS FOR FAUCETS ARE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE FIVE POUNDS MAXIMUM. HAND-OPERATED CONTROLS FOR FAUCETS SHALL BE LOCATED WITHIN ACCESSIBLE REACH RANGES PER CBC 11B-606.4, 11B-309.3 & 11B-309.4
   C. SINKS SHALL BE 6-1/2 INCHES DEEP MAXIMUM, PER CBC 11B-606.7.

6 WALL MOUNTED LAVATORY
3/4" = 1'-0"

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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

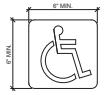
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

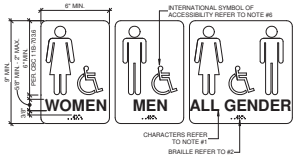
SHEET TITLE:
TYPICAL ACCESSIBILITY DETAILS

SHEET NO.:
A500



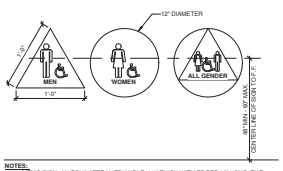
NOTES:
1. SIGN SHALL COMPLY WITH CBC 11B-703.7.2.1.
2. EDGES OF SIGN SHALL COMPLY WITH CBC 11B-703.7.2.6.4.

1 INTERNATIONAL SYMBOL OF ACCESSIBILITY
3" = 1'-0"



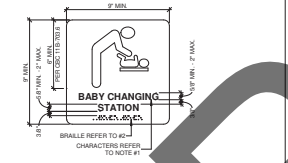
NOTES:
1. RAISED CHARACTERS SHALL COMPLY WITH CBC 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH CBC 11B-703.3.
2. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC 11B-703.3.
3. SIGNS WITH TACTILE CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 11B-703.4.
4. ALL VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5.
5. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH, AND SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5.1.
6. SYMBOLS OF ACCESSIBILITY SHALL COMPLY WITH CBC 11B-703.7.
7. EDGES OS SIGN SHALL COMPLY WITH CBC 11B-703.7.2.6.4.
8. ALL SINGLE-USER RESTROOMS SHALL BE IDENTIFIED AS "ALL GENDER" PER CALIFORNIA HEALTH & SAFETY CODE SECTION 118600.

2 RESTROOM SIGNAGE - WALL MOUNTED
3" = 1'-0"



NOTES:
1. MEN'S SIGN: AN EQUILATERAL TRIANGLE, 1/4" THICK WITH EDGES 12" LONG. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE DOOR PER CBC 11B-703.7.2.6.1.
2. WOMEN'S SIGN: A CIRCLE, 1/4" THICK AND 12" IN DIAMETER, THE CIRCLE SYMBOL SHALL CONTRAST WITH THE DOOR PER CBC 11B-703.7.2.6.2.
3. ALL GENDER SIGN: A CIRCLE, 1/4" THICK AND 12" IN DIAMETER WITH A 1/4" THICK TRIANGLE SUPERIMPOSED ON AND GEOMETRICALLY INSCRIBED WITHIN THE CIRCLE AND WITHIN THE 12" DIAMETER. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE CIRCLE SYMBOL. THE CIRCLE SYMBOL SHALL CONTRAST WITH THE DOOR PER CBC 11B-703.7.2.6.3.
4. EDGES SHALL BE EASED OR ROUNDED AT 1/16" MIN., OR CHAMFERED AT 1/8" MAX. VERTICES SHALL BE RADIUSED BETWEEN 1/8" MIN., AND 1/4" MAX. 11B-703.7.2.6.4.
5. ALL SINGLE USER RESTROOMS SHALL BE IDENTIFIED AS "ALL GENDER" PER CALIFORNIA HEALTH & SAFETY CODE SECTION 118600.

3 RESTROOM SIGNAGE - DOOR MOUNTED
1 1/2" = 1'-0"

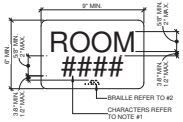


NOTES:
1. RAISED CHARACTERS SHALL COMPLY WITH CBC 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH CBC 11B-703.3.
2. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC 11B-703.3.
3. SIGNS WITH TACTILE CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 11B-703.4.
4. ALL VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5.
5. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH, AND SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5.1.
6. EDGES OF SIGN SHALL COMPLY WITH CBC 11B-703.7.2.6.4.

4 BABY CHANGING STATION SIGN
3" = 1'-0"

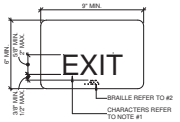
NOTES:
1. ALL VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5
2. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH, AND SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5.
3. EDGES OF SIGN SHALL COMPLY WITH CBC 11B-703.7.2.6.4.

5 MAXIMUM OCCUPANCY SIGN
3" = 1'-0"



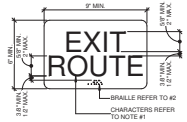
NOTES:
1. RAISED CHARACTERS SHALL COMPLY WITH CBC 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH CBC 11B-703.3.
2. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC 11B-703.3.
3. SIGNS WITH TACTILE CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 11B-703.4.
4. ALL VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5.
5. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH, AND SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5.1.
6. EDGES OF SIGN SHALL COMPLY WITH CBC 11B-703.7.2.6.4.
7. REFER TO PLANS FOR ROOM NAME AND NUMBER. FINAL NAME AND NUMBER TO BE FINALIZED DURING SUBMITTAL WITH OWNER APPROVAL.

6 TACTILE ROOM IDENTIFICATION SIGN
3" = 1'-0"



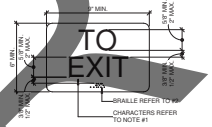
NOTES:
1. RAISED CHARACTERS SHALL COMPLY WITH CBC 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH CBC 11B-703.3.
2. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC 11B-703.3.
3. SIGNS WITH TACTILE CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 11B-703.4.
4. ALL VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5.
5. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH, AND SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5.1.
6. EDGES OF SIGN SHALL COMPLY WITH CBC 11B-703.7.2.6.4.

7 TACTILE EXIT SIGN
3" = 1'-0"



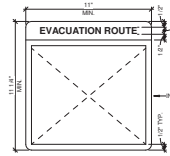
NOTES:
1. RAISED CHARACTERS SHALL COMPLY WITH CBC 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH CBC 11B-703.3.
2. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC 11B-703.3.
3. SIGNS WITH TACTILE CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 11B-703.4.
4. ALL VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5.
5. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH, AND SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5.1.
6. EDGES OF SIGN SHALL COMPLY WITH CBC 11B-703.7.2.6.4.

8 TACTILE EXIT SIGN - EXIT ROUTE
3" = 1'-0"



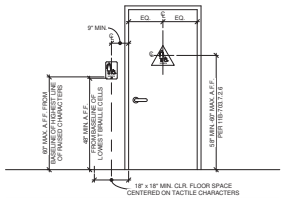
NOTES:
1. RAISED CHARACTERS SHALL COMPLY WITH CBC 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH CBC 11B-703.3.
2. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC 11B-703.3.
3. SIGNS WITH TACTILE CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 11B-703.4.
4. ALL VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5.
5. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH, AND SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5.1.
6. EDGES OF SIGN SHALL COMPLY WITH CBC 11B-703.7.2.6.4.

9 TACTILE EXIT SIGN - TO EXIT
3" = 1'-0"



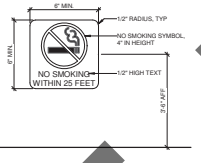
NOTES:
1. ALL VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5.
2. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH, AND SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5. (SIGN COLOR RED).
3. EDGES OF SIGN SHALL COMPLY WITH CBC 11B-703.7.2.6.4.
4. SIGN FRAME TO HOLD A 8.5" x 11" INSERT MAP. (INSERT PROVIDED BY OWNER).
5. SIGN FRAME TO HAVE A TRANSPARENT CENTER TO VIEW INSERT.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING ALL EVACUATION PLAN INSERTS, TYP. AND SUBMIT TO AOR FOR REVIEW AND APPROVAL.

10 EVACUATION MAP FRAME / SIGN
3" = 1'-0"



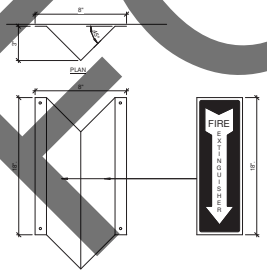
NOTES:
1. ALL TACTILE SIGNAGE SHALL COMPLY WITH CBC 11B-703.4.2.
2. AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF PER CBC 11B-703.4.2.
3. AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED ON TO THE RIGHT OF THE RIGHT HAND DOOR PER CBC 11B-703.4.2.
4. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT OF DOUBLE DOORS, SIGN SHALL BE LOCATED ON THE NEAREST ADJACENT WALL PER CBC 11B-703.4.2.
5. SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL BE LOCATED AT THE ENTRANCE TO, AND OUTSIDE OF THE ROOM OR SPACE PER CBC 11B-703.4.2.
6. SIGNS IDENTIFYING EXITS SHALL BE LOCATED AT THE EXIT DOOR WHEN APPROACHED IN THE DIRECTION OF EGRESS TRAVEL. 11B-703.4.2.

11 SIGNAGE MOUNTING AND LOCATION
1/2" = 1'-0"



NOTES:
1. ALL VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5
2. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH, AND SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5.
3. EDGES OF SIGN SHALL COMPLY WITH CBC 11B-703.7.2.6.4.

12 NO SMOKING SIGN
3" = 1'-0"



13 FIRE EXTINGUISHER - THREE WAY SIGN
3" = 1'-0"

NOTES:
1. SIGN SHALL INCLUDE WORDING THAT STATES *'ASSISTIVE-LISTENING SYSTEM AVAILABLE'* AND SHALL BE POSTED IN A PROMINENT PLACE AT OR NEAR THE ASSEMBLY AREA ENTRANCE PER SECTION 11B-216.10.
2. ASSISTIVE LISTENING SIGNS SHALL COMPLY WITH SECTION 11B-703.5 AND SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS COMPLYING WITH SECTION 11B-703.7.2.4.
3. PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM.
4. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MINIMUM IN HEIGHT.
5. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD PER SECTION 11B-703.6.2.
6. ASSISTIVE LISTENING SYSTEM SHALL COMPLY WITH CBC SECTION 11B-219.

14 ASSISTIVE LISTENING SYSTEM (ALS) SIGN
3" = 1'-0"

NOTES:
1. PROVIDE 1" HIGH LETTERING IN CONTRASTING COLOR

15 MAIN EXIT SIGN
3" = 1'-0"

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

HOLT ARCHITECTURE
39051 CODK ST, STE 103 | 2280 MARKET ST. STE 140
PALM DESERT, CA 92211 | RIVERSIDE, CA 92501
PH: 760.328.5280 | PH: 951.462.1451
WWW.HOLTARCHITECTURE.COM
CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

CLIENT:

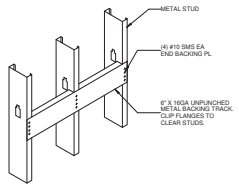
MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

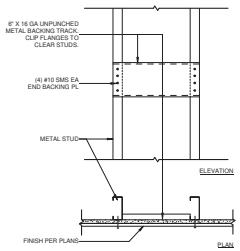
SHEET TITLE:
TYPICAL SIGNAGE DETAILS

SHEET NO.:
A501

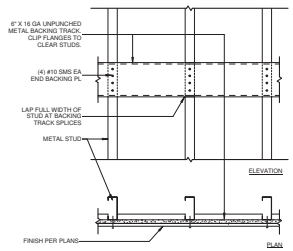
AXONOMETRIC VIEW



SINGLE BAY CONDITION



CONTINUOUS CONDITION



NOTE:
IN LIEU OF TRACK, A 6" X 16GA FLAT STRAP MAY BE USED TO SUPPORT LOADS UP TO 20 LBS/FT WITH A MAXIMUM CONCENTRATED LOAD OF 50 LBS. STRAP SHALL BE CONTINUOUS OVER THREE STUDS MINIMUM. ATTACH AS NOTED ABOVE.

1 TYPICAL METAL BACKING DETAIL
1 1/2" = 1'-0"

PLACEHOLDER

4 TYPICAL WALL FURR OUT
1 1/2" = 1'-0"

PLACEHOLDER

5 FLOOR DRAIN AT DEPRESSED SLAB
1 1/2" = 1'-0"

PLACEHOLDER

6 FIRE EXTINGUISHER CABINET
1 1/2" = 1'-0"

PLACEHOLDER

7 CEILING ACCESS PANEL
1 1/2" = 1'-0"

PLACEHOLDER

8 ROOF ACCESS LADDER
1 1/2" = 1'-0"

PLACEHOLDER

9 HSS COLUMN IN WALL
1 1/2" = 1'-0"

PLACEHOLDER

10 FLOOR DRAIN AT NON-DEPRESSED SLAB
1 1/2" = 1'-0"

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PALM DESERT, CA 92211 | RIVERSIDE, CA 92501
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WWW.HOLTARCHITECTURE.COM

CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
TYPICAL INTERIOR DETAILS

SHEET NO.:
A510

PLACEHOLDER

1 TYPICAL EXTERIOR DOOR - HEAD
1 1/2" = 1'-0"

PLACEHOLDER

2 TYPICAL EXTERIOR DOOR - JAMB
1 1/2" = 1'-0"

PLACEHOLDER

3 TYPICAL EXTERIOR DOOR - THRESHOLD
1 1/2" = 1'-0"

PLACEHOLDER

4 DOOR ACCESS CONTROL DIAGRAM
1 1/2" = 1'-0"

PLACEHOLDER

6 TYPICAL INTERIOR DOOR - HEAD
1 1/2" = 1'-0"

PLACEHOLDER

7 TYPICAL INTERIOR DOOR - JAMB
1 1/2" = 1'-0"

PLACEHOLDER

8 TYPICAL INTERIOR DOOR - THRESHOLD
1 1/2" = 1'-0"

PLACEHOLDER

11 TYPICAL EXTERIOR WINDOW - HEAD
1 1/2" = 1'-0"

PLACEHOLDER

12 TYPICAL EXTERIOR WINDOW - JAMB
1 1/2" = 1'-0"

PLACEHOLDER

13 TYPICAL EXTERIOR WINDOW - SILL
1 1/2" = 1'-0"

PLACEHOLDER

16 TYPICAL INTERIOR WINDOW - HEAD
1 1/2" = 1'-0"

PLACEHOLDER

17 TYPICAL INTERIOR WINDOW - JAMB
1 1/2" = 1'-0"

PLACEHOLDER

18 TYPICAL INTERIOR WINDOW - SILL
1 1/2" = 1'-0"

HOLT ARCHITECTURE
39051 CODK ST, STE 103 | 2330 MARKET ST. STE 140
PALM DESERT, CA 92211 | RIVERSIDE, CA 92501
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CONSULTANT:

STAMPS:

PROJECT:
SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

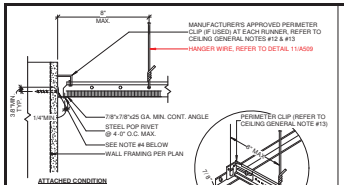
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

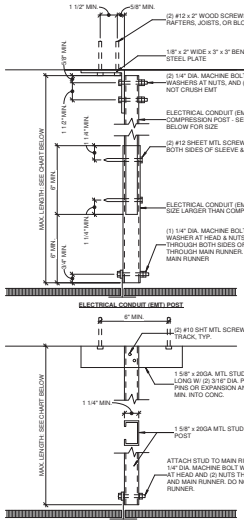
SHEET TITLE:
TYPICAL DOOR & WINDOW DETAILS

SHEET NO.:
A530



NOTES:
1. PROVIDE 12 GA. HANGER WIRES AT ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN 8" OF SUPPORT OR WITH 1/4 LENGTH OF END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF CEILING AREA. PERIMETER WIRES NOT REQUIRED WHEN LENGTH OF END TEE IS 8" OR LESS.
2. NAILS AT ENDS OF HORIZONTAL STABILIZERS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTER LINE OF SPAN OF STRUT.
3. STABILIZER BAR MAY BE SLOTTED APPROVED ANGLES OR CHANNELS WITH "DIAMOND POINTS" OF SPRING STEEL WHICH SNAP TIGHT TO PREVENT MOVEMENT OF STRUT.
4. FASTEN ANGLE TO WALL STUD OR BLOCKING AS FOLLOWS:
   A. METAL STUD (20 GA. MIN.) WALL: (1) #10 SMS @ 24" O.C. MAX.
   B. WOOD STUD WALL: #10x2" LONG WOOD SCREW @ 16" O.C. MAX.

6 SUSPENDED CEILING AT WALL
3" = 1'-0"

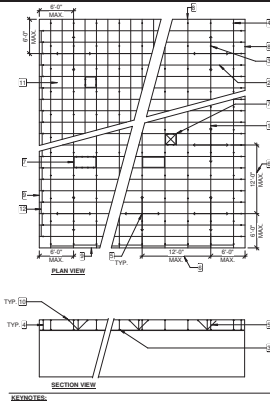


COMPRESSION POST CHART

COMPRESSION POST	MIN. CROSS SECTION AREA 'A'	MIN. RADIUS OF GYRATION "R" OR "Ry"	MAX. LENGTH OF COMPRESSION POST ("R" OR "RY" x 200)
1/2" DIA. EMT	0.088 IN. SQ.	0.238 IN.	3'-10"
3/4" DIA. EMT	0.134 IN. SQ.	0.309 IN.	5'-0"
1" DIA. EMT	0.196 IN. SQ.	0.392 IN.	6'-6"
1 5/8" x 20GA MTL STUD	0.155 IN. SQ.	0.454 IN.	7'-6"

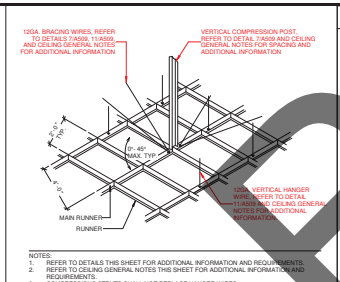
NOTE: USE EMT OR MTL STUD COMPRESSION POST WITH MIN. STRUCTURAL PROPERTIES "A" AND "R" OR "Ry" LISTED IN CHART

7 COMPRESSION POST
3" = 1'-0"



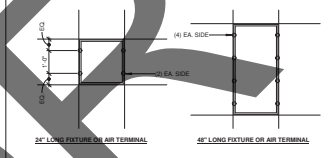
KEYNOTES:
1. MAIN RUNNER @ 48" O.C. MAXIMUM
2. CROSS RUNNER @ 24 O.C. MAXIMUM
3. 12GA. HANGER WIRES @ 48" O.C. MAXIMUM REFER TO CEILING GENERAL NOTES #2, #3, #4, #5 AND DETAILS ON THIS SHEET.
4. 12GA. HANGER WIRE 8" OR 1/4 LENGTH OF TEE FROM WALL. REFER TO CEILING GENERAL NOTE #9
5. 12GA. SPLAYED BRACING WIRES & COMPRESSION POST. REFER TO CEILING GENERAL NOTE #6 AND DETAIL 7 / **A509.**
6. FOR SPACING OF BRACING WIRES IN ESSENTIAL SERVICE FACILITIES, REFER TO CEILING GENERAL NOTE #7.
7. LIGHT FIXTURES & HVAC GRILLES, REFER TO CEILING GENERAL NOTE #1 AND DETAIL 9 / **A509.**
8. CEILING GRID MEMBER ATTACHED TO WALL AT TWO ADJACENT WALLS ONLY. REFER TO CEILING GENERAL NOTE #10, #11, #14 AND DETAIL 6 / **A509.**
9. CEILING GRID MEMBER NOT ATTACHED AT OPPOSITE WALLS. REFER TO ACT CEILING GENERAL NOTES #10, #11, #14 AND DETAIL 8 / **A509.**
10. HANGER WIRE AND BRACING WIRE ATTACHMENT TO STRUCTURE. REFER TO ACT CEILING GENERAL NOTE #3, #4 AND DETAIL 11 / **A509.**
11. SAME CRITERIA AS NOTED ABOVE ARE APPLICABLE AT 24" x 24" GRID.
12. STABILIZER BARS, CROSS TEES OR STRUTS 8" MAX. FROM WALL ALONG FREE JOINTS. REFER TO CEILING GENERAL NOTE #14.

8 SUSPENDED CEILING LAYOUT
1/8" = 1'-0"



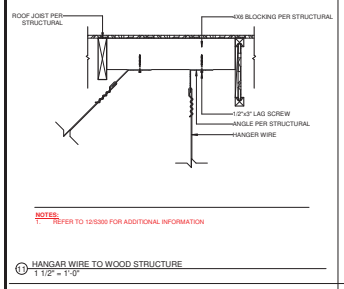
NOTES:
1. REFER TO DETAILS THIS SHEET FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. REFER TO CEILING GENERAL NOTES THIS SHEET FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. COMPRESSIONS STRUTS SHALL NOT REPLACE HANGER WIRES.

4 ISOMETRIC OF SUSPENDED CEILING GRID
3" = 1'-0"



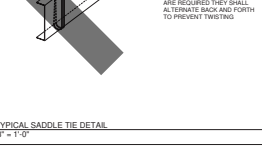
NOTES:
1. SEE SUSPENDED ACT CEILING GENERAL NOTE #7 FOR ADDITIONAL INFORMATION.

9 ATTACHMENT OF LIGHT & AIR TERMINALS
1/2" = 1'-0"

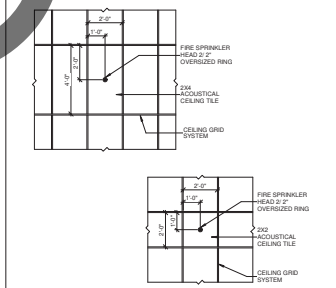


NOTES:
1. REFER TO 12/S300 FOR ADDITIONAL INFORMATION

11 HANGAR WIRE TO WOOD STRUCTURE
1 1/2" = 1'-0"



13 TYPICAL SADDLE TIE DETAIL
3" = 1'-0"



14 FIRE SPRINKLER PLACEMENT
3/8" = 1'-0"

ACOUSTICAL CEILING NOTES

THE DESIGN AND INSTALLATION OF SUSPENDED ACOUSTICAL CEILING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS CONTAINED IN ASTM STANDARD E580 AND THE FOLLOWING ADDITIONAL REQUIREMENTS NOTED.

FOR ESSENTIAL SERVICE BUILDINGS, DESIGN AND INSTALLATION OF SUSPENDED ACOUSTICAL CEILING SYSTEMS SHALL COMPLY WITH DIVISION OF THE STATE ARCHITECT (DSA) INTERPRETATION OF REGULATIONS (IR) 25-3 AND THE FOLLOWING REQUIREMENTS.

THESE NOTES AND THE DETAILS ON THIS SHEET ARE APPLICABLE TO STANDARD SUSPENDED ACOUSTICAL CEILING SYSTEMS WHOSE TOTAL WEIGHT INCLUDING AIR CONDITIONING GRILLES AND LIGHT FIXTURES DOES NOT EXCEED FOUR POUNDS PER SQUARE FOOT (4 PSF) AND WHICH DO NOT SUPPORT LATERAL LOADS FROM PARTITIONS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING THE SUSPENDED ACOUSTICAL CEILING SYSTEM.

A. IN BUILDINGS OTHER THAN PUBLIC SCHOOLS AND ESSENTIAL SERVICE FACILITIES, CEILING AREAS 1,000 SF OR LESS SHALL BE EXEMPT FROM THE LATERAL FORCE REQUIREMENTS (NOTE # 5 BELOW.)
B. IN BUILDINGS OTHER THAN PUBLIC SCHOOLS AND ESSENTIAL SERVICE FACILITIES, CEILINGS LESS THAN OR EQUAL TO 144 SF AND SURROUNDED BY WALLS CONNECTED TO THE STRUCTURE ABOVE ARE EXEMPT FROM THE REQUIREMENTS BELOW.
   a. IN PUBLIC SCHOOLS AND ESSENTIAL SERVICE FACILITIES, LATERAL FORCE REQUIREMENTS MAY BE OMITTED FOR CEILINGS LESS THAN OR EQUAL TO 144 SF WHEN LATERAL RESTRAINT IS PROVIDED AT ALL PERIMETER WALLS IN ACCORDANCE WITH CBC SECTION 1617A.1.21, ITEM 14.
C. PERIMETER SUPPORT - ANGLE SHALL SUPPLY A SUPPORT LEDGE OF NOT LESS THAN 2".
D. SUSPENSION WIRES SHALL NOT BE SMALLER THAN 12-GAUGE AND SPACED UP TO 4'-0" X 4'-0" GRID PACING ATTACHED TO MAIN RUNNERS.
E. EACH VERTICAL WIRE SHALL BE ATTACHED TO THE CEILING SUSPENSION MEMBER AND TO THE SUPPORT ABOVE SUCH THAT THE WIRE LOOPS SHALL BE TIGHTLY WRAPPED. WIRE MUST BE WRAPPED AROUND ITSELF A MINIMUM OF (3) FULL TURNS WITH 3" LENGTH.
F. SUSPENSION WIRES SHALL NOT HANG MORE THAN (1) IN (6) OUT OF PLUMB UNLESS COUNTERSLOPING WIRES ARE PROVIDED.
G. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. A TRAPEZE OR EQUIVALENT DEVICES SHALL BE USED WHERE OBSTRUCTIONS PRECLUDE DIRECT SUSPENSION. SEPARATE ALL CEILING HANGER AND BRACING WIRES 6" MIN. FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.
H. LATERAL FORCE BRACING REQUIREMENTS:
   a. HORIZONTAL RESTRAINTS SHALL BE EFFECTED BY (4) 12-GAUGE WIRES SECURED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS RUNNER INTERSECTION AND SPLAYED 90 DEGREES FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING. A COMPRESSION STRUT FASTENED TO THE MAIN RUNNER AT THE LOCATION OF THE BRACING WIRES SHALL BE EXTENDED TO AND FASTENED TO THE STRUCTURAL MEMBERS SUPPORTING THE ROOF OR FLOOR ABOVE. THESE HORIZONTAL RESTRAINT POINTS SHALL BE PLACED 12'-0" X 12'-0" MAX GRID SPACING WITH THE FIRST UNIT WITHIN 6'-0" FROM EACH WALL.
      - RIGID BRACES THAT HAVE BEEN DESIGNED (STAMPED BY A LICENSED ENGINEER) TO LIMIT RELATIVE LATERAL DEFLECTIONS AT THE POINT OF ATTACHMENT OF THE CEILING GRID TO LESS THAN 1/4" ARE PERMITTED TO BE USED IN PLACE OF DIAGONAL SPLAY WIRES.
      - FOR ESSENTIAL SERVICE BUILDINGS, REFER TO DSA IR 25-2 FOR ADDITIONAL REQUIREMENTS.
   b. LATERAL FORCE BRACING MEMBERS SHALL BE SPACED 8" MIN. FROM ALL HORIZONTAL MEMBERS OF THE BUILDING THAT IS NOT PROVIDED WITH BRACING RESTRAINTS FOR HORIZONTAL FORCES.
   c. UNLESS RIGID BRACING IS USED TO LIMIT LATERAL DEFLECTIONS TO LESS THAN 1/4", SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT OF 1" MIN. IN ALL HORIZONTAL DIRECTIONS.
I. LIGHT FIXTURES:
   a. ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEM BY MECHANICAL MEANS PER CALIFORNIA ELECTRICAL CODE (CEC.) A MINIMUM OF (4) #6 SMS SCREWS OR APPROVED FASTENERS CAPABLE OF RESISTING A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE ARE REQUIRED AT EACH FIXTURE. FOR 24" LONG FIXTURES, INSTALL ON EACH OF THE (2) OPPOSITE SIDES OF THE FIXTURE (2) SCREWS, SPACED 12" APART (4 SCREWS TOTAL PER FIXTURE.) FOR 48" LONG FIXTURES, INSTALL ON EACH OF THE (2) OPPOSITE SIDES OF THE FIXTURE (4) SCREWS, SPACED 12" APART (8 SCREWS TOTAL PER FIXTURE.) INSTALL SCREWS ON LONG SIDES OF RECTANGULAR FIXTURES. SEE DETAIL 9 / A561.
   b. SURFACE-MOUNTED FIXTURES SHALL BE ATTACHED TO THE CEILING SUSPENSION SYSTEM WITH POSITIVE CLIPS/DEVICES (14-GAUGE STEEL MIN.) THAT COMPLETELY SURROUND THE SUPPORTING MEMBERS. SAFETY WIRES SHALL BE ATTACHED BETWEEN CLAMPING DEVICE AND THE ADJACENT CEILING HANGER OR THE STRUCTURE ABOVE.
   c. FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LBS. SHALL HAVE (1) 12-GAUGE SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. FIXTURES WEIGHING GREATER THAN 10 LBS. BUT LESS THAN 56 LBS SHALL HAVE (2) 12-GAUGE SAFETY WIRES CONNECTED FROM THE FIXTURE TO THE STRUCTURE ABOVE.
   d. PENDANT-HUNG LIGHTING FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN 8-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT.
   e. RIGID CONDUIT SHALL NOT BE USED FOR ATTACHMENT OF THE FIXTURES.
J. SERVICES WITHIN THE CEILING:
   a. CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING LESS THAN OR EQUAL TO 20 LBS. SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION MAIN RUNNERS OR TO CROSS RUNNERS THAT HAVE THE SAME CARRYING CAPACITY AS THE MAIN RUNNERS.
      - CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 20 LBS. BUT LESS THAN OR EQUAL TO 56 LBS. SHALL ALSO HAVE (2) 12-GAUGE SAFETY WIRES CONNECTED FROM THE TERMINAL OR SERVICE TO THE CEILING SYSTEM HANGERS OR TO THE STRUCTURE ABOVE.
K. PROVIDE 12-GAUGE MIN. HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT INCHES (8") OF THE SUPPORT OR WITHIN 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER HANGER WIRE IS NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS 8" OR LESS.
L. CEILING GRID MEMBERS SHALL BE ATTACHED TO (2) ADJACENT WALLS (ATTACHED CONDITION) PER ASTM E580 SECTION 5.2.3 AND FIGURE 4. CEILING GRID MEMBERS SHALL BE AT LEAST 3/4" CLEAR OF PERIMETER WALL ANGLES ON THE OTHER WALLS (FREE CONDITION) PER ASTM E580 SECTION 5.2.3 AND FIGURE 5.
M. IF A WALL OR MULTIPLE WALLS ARE SPECIFIED IN A PLAN CONFIGURATION THAT IS NOT ORTHOGONAL TO THE CEILING GRID SYSTEM, THE RUNNER TO WALL CONNECTIONS SHALL BE AS FOLLOWS.
   a. AT LEAST 2 ADJACENT PERIMETER WALLS SHALL BE CONNECTED TO THE CEILING GRID AS ATTACHED.
   b. MAIN RUNNERS SHALL BE ORIENTED IN THE DIRECTION THAT FACILITATES AT LEAST ONE END BEING CONNECTED TO A "ATTACHED" WALL CONDITION.
   c. (1) END OF EACH MAIN RUNNER SHOULD BE FREE AND CLEAR OF WALL AS REQUIRED GENERAL NOTE #10 ABOVE.
   d. OPPOSITE ENDS OF SOME CROSS RUNNER LINES MAY HAVE THE SAME WALL CONNECTION TYPE (ATTACHED OR FREE.) THIS IS PERMITTED WITH NON-ORTHOGONAL CONFIGURATIONS, BUT THE NUMBER OF CROSS RUNNER LINES WITH LIKE CONNECTIONS AT EACH END SHOULD BE MINIMIZED.
N. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 2" EXCEPT AS ALLOWED BY NOTE #13 BELOW.
O. USE OF ANGLES WITH WIDTHS LESS THAN 2" IN CONJUNCTION WITH QUALIFIED PROPRIETARY PERIMETER CLIPS MAY BE ACCEPTABLE.
   a. CLOSURE ANGLES SHALL BE SCREWED OR OTHERWISE POSITIVELY ATTACHED TO THE WALL STUDS OR BLOCKING.
   b. PROPRIETARY PERIMETER CLIPS SHALL BE ATTACHED TO THE SUPPORTING CLOSURE ANGLE WITH (2) SCREWS MIN. PER CLIP.
   c. PROPRIETARY PERIMETER CLIPS SHALL BE INSTALLED AROUND THE ENTIRE CEILING PERIMETER EXCEPT THAT A STEEL POP RIVET MAY BE USED AT THE ATTACHED SIDES IN LIEU OF CLIPS WHEN PERMITTED BY EVALUATION REPORT.
P. AT THE UNATTACHED WALLS (FREE CONDITION) OF THE CEILING PERIMETER PROVIDE INTERCONNECTION BETWEEN THE RUNNERS TO PREVENT LATERAL SPREADING PER ASTM E580 SECTION 5.2.4. A METAL STABILIZER OR 16-GAUGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED AND PLACED WITHIN 8" OF THE WALL. WHERE THE RUNNER IS WITHIN 8" OF THE WALL, AND WHERE THE CROSS RUNNER IS 8" OR LESS, THE STABILIZER OR 16-GAUGE WIRE IS NOT REQUIRED. THE USE OF PROPRIETARY CLIPS TO ELIMINATE THE INSTALLATION OF SPREADER BARS IS ACCEPTABLE.
Q. HANGER AND BRACING WIRE ANCHORAGE TO STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHORAGE ALIGNS CLOSELY WITH THE DIRECTION OF THE WIRE.PROVIDE ADDITIONAL HANGERS, STRUTS, AND BRACE ASSEMBLIES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.
R. FOR CEILING AREAS EXCEEDING 2,500 SF. A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2,500 SF IN ACCORDANCE WITH ASTM E580 SECTION 5.2.3.
S. FREE-FLOATING CEILINGS SUPPORTED BY WIRES PER THESE REQUIREMENTS SHALL BE BRACED IN ACCORDANCE WITH GENERAL NOTE #8 ABOVE.

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SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

PROJECT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
TYPICAL ACOUSTIC CEILING DETAILS

SHEET NO.:
A540

PLACEHOLDER

1 TYPICAL EXISTING CMU WALL INFILL AT DOOR
1 1/2" = 1'-0"

PLACEHOLDER

2 TYPICAL EXISTING CMU WALL INFILL AT WINDOW
1 1/2" = 1'-0"

PLACEHOLDER

3 TYPICAL EXISTING ROOF INFILL / PATCH
1 1/2" = 1'-0"

PLACEHOLDER

4 TYPICAL DUCT PENETRATION THROUGH ROOF
1 1/2" = 1'-0"

PLACEHOLDER

5 FLASHING AT DUCT PENETRATION
1 1/2" = 1'-0"

PLACEHOLDER

6 TYPICAL SINGLE PIPE ROOF PENETRATION
1 1/2" = 1'-0"

PLACEHOLDER

7 TYPICAL DOUBLE PIPE ROOF PENETRATION
1 1/2" = 1'-0"

PLACEHOLDER

8 ROOF ACCESS HATCH
1 1/2" = 1'-0"

PLACEHOLDER

9 FLASHING AT ROOF ACCESS HATCH
1 1/2" = 1'-0"

DIAGRAM ONLY

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CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
TYPICAL EXTERIOR DETAILS

SHEET NO.:
A520

DOOR SCHEDULE

LOCATION			LEAF INFORMATION								FRAME INFORMATION			HW SET	ELECTRIFIED HW	FIRE RATING (MIN.)	COMMENTS
MARK	FROM	TO	LEAF-1 TYPE	LEAF-2 TYPE	LEAF-1 WIDTH	LEAF-2 WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	MATERIAL	FINISH				
101	CORRIDOR	REAGENT PREP	L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	
102	CORRIDOR	STORAGE	L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	
103	DNA EXTRACTION LAB 2	STAIN PRESERVATION 1	L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2		Yes	0	BLACKOUT
104	DNA EXTRACTION LAB 2	STAIN PRESERVATION 2	L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2		Yes	0	BLACKOUT
105	DNA EXTRACTION LAB 2	VESTIBULE	L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	
106	CORRIDOR	VESTIBULE	L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2		Yes	0	
107	VESTIBULE	CORRIDOR	L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	
108	DNA EXTRACTION LAB 1	FREEZER ROOM	L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2		Yes	0	
109	CORRIDOR	ALL GENDER RR	L-F		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	
110	CORRIDOR	ALL GENDER RR	L-F		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	
110	AMP LAB VESTIBULE	CORRIDOR	L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	
111	AMP LAB VESTIBULE	AMP LAB	L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	
112	DNA EXTRACTION LAB 1	AMP LAB VESTIBULE	L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	
113	STORAGE	CORRIDOR	L-F		2'-6"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	
114	ADMIN. OFFICES		L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			90	
E106	CORRIDOR		L-F		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	EXIT ONLY
E112	DNA EXTRACTION LAB 1		L-F	L-F	3'-4 1/2"	3'-4 1/2"	6'-0"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	EXIT ONLY
E114A	VESTIBULE		L-N		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2		Yes	0	BALLISTIC
E114B	VESTIBULE		L-F		3'-0"		6'-8"	1 3/4"	HM	PTFN-I2	F-02	HM	PTFN-I2			0	EXIT ONLY

WINDOW SCHEDULE

MARK	WIDTH	HEIGHT	SILL HEIGHT	FRAME MATERIAL	FRAME FINISH	GLAZING TYPE	WINDOW TREATMENT	FIRE RATING	COMMENTS	COUNT
A	24'-1 1/4"	4'-0"	6'-0"							1
B	14'-0"	4'-0"	6'-0"							1
C	8'-0"	4'-0"	3'-11"							2
D	8'-0"	4'-0"	3'-11"							1
										5

ABBREVIATIONS

GLAZING

GE-1	EXTERIOR GLAZING - 1" INSULATED - TINTED - TEMPERED
GI-1	INTERIOR GLAZING - 1/4" - CLEAR - TEMPERED
GI-2	INTERIOR GLAZING - THICKNESS AS REQUIRED FOR RATING - CLEAR - TEMPERED - FIRE RATED
GI-3	INTERIOR GLAZING - 1/4" - CLEAR - TEMPERED - SECURITY WIRED
GI-4	INTERIOR GLAZING - 5/16" - CLEAR - TEMPERED - SECURITY LAMINATED

MATERIAL

HM:	HOLLOW METAL
AL:	ALUMINUM
SCW:	SOLID CORE WOOD
HCW:	HOLLOW CORE WOOD
SS:	STAINLESS STEEL
GALV:	GALVANIZED

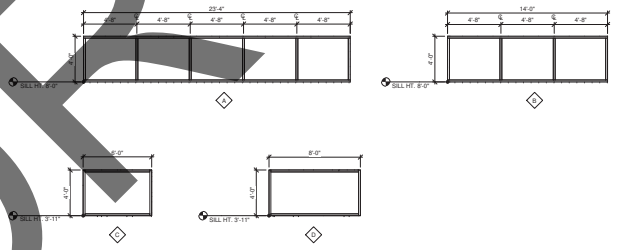
FINISH

CLAN:	CLEAR ANODIZED
BLAN:	BLACK ANODIZED
DBAN:	DARK BRONZE ANODIZED
PTFN:	PAINT FINISH
STFN:	STAIN FINISH
PLAM:	PLASTIC LAMINATE FINISH

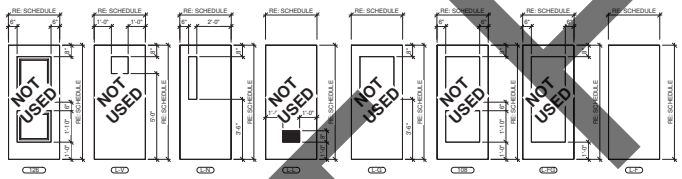
DOOR GENERAL NOTES

1. REFER TO DIMENSIONAL FLOOR PLANS FOR DOOR OPENING LOCATIONS. ALL DOORS ARE TO BE LOCATED 4" FROM FACE OF ADJACENT WALL STUD UNLESS DIMENSIONED OTHERWISE ON PLANS.
2. ALL EXITS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT PER 2022 CBC SECTION 1010.1.9.
3. ALL DOORS, WINDOWS, AND OTHER JOINTS IN THE EXTERIOR WALLS OF A CLIMATE CONTROLLED SPACE SHALL BE FULLY INSULATED.
4. DOOR REQUIREMENTS: ALL HAND ACTIVATED LATCHING OR LOCKING DOORS SHALL HAVE LEVER TYPE HARDWARE CENTERED EQUAL TO OR GREATER THAN 34" BUT EQUAL OR LESS THAN 48 AFF. MAXIMUM EFFORT REQUIRED TO OPEN DOORS SHALL BE EQUAL TO OR LESS THAN 5# AT ALL DOORS TO MINIMUM 90 DEGREES. WHERE FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MINIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY (RIVERSIDE COUNTY FIRE DEPARTMENT,) NOT TO EXCEED 15#. COMPENSATING DEVICES OF AUTOMATIC DOORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS.
5. DOORS SHALL BE OPERABLE WITH A SINGLE EFFORT.
6. LOWER 10" OF ALL DOORS TO BE SMOOTH AND UNINTERRUPTED TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION PER CBC SECTION 11B-404.2.10.
7. REFER TO SHEET **G102** FOR SIGNAGE REQUIREMENTS.
8. REFER TO EXTERIOR MATERIAL SCHEDULE, INTERIOR MATERIAL SCHEDULE, AND MATERIAL SCHEDULE - OPENINGS FOR ADDITIONAL FINISH INFORMATION.
9. DOORS, GATES, AND SIDE LITES ADJACENT TO DOORS OR GATES CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS, HAVE THE BOTTOM OF AT LEAST ONE GLAZED PANEL LOCATED 43" MAX. AFF PER CBC SECTION 11B-404.2.11.
10. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE FINAL DOOR AND WINDOW FRAME THROAT SIZES PRIOR TO ORDERING.
11. AT DOOR REQUIRED TO HAVE ELECTRIFIED HARDWARE, REFER TO DETAIL **X/XX** FOR ADDITIONAL INFORMATION

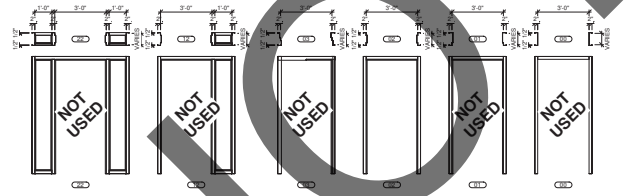
WINDOW ELEVATIONS



DOOR ELEVATIONS



DOOR FRAME ELEVATIONS



FRAME SCHEDULE

FRAME TYPE	FRAME WIDTH	DOOR WIDTH	FRAME HEIGHT	DOOR HEIGHT	COUNT
F-02	5'-10"	5'-6"	6'-10"	6'-8"	1
F-02	5'-4"	5'-0"	6'-10"	6'-8"	15
F-02	3'-6"	3'-2"	6'-10"	6'-8"	1
F-02	3'-10"	3'-6"	6'-10"	6'-8"	1
F-02	3'-1"	2'-9"	6'-2"	6'-0"	1

NOT USED

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CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
DOOR & WINDOW SCHEDULES

SHEET NO.:
A600

WALL SCHEDULE

TYPE MARK	FINISH SIDE 1	SUBSTRATE SIDE 1	FRAMING MATERIAL	SUBSTRATE SIDE 2	FINISH SIDE 2	FIRE RATING (HR)	INSULATION TYPE	STC RATING	COMMENTS
EM-2	---	---	6" METAL STUD	---	---	0	Y	N/A	MATCH EXISTING ADJACENT WALL ASSEMBLY, FIELD VERIFY
W-21	---	---	8" CMU	---	---	0	X	N/A	MATCH EXISTING ADJACENT WALL ASSEMBLY, FIELD VERIFY
WM-1	5/8" GYPSUM BOARD	---	4" METAL STUD	---	---	0	X	N/A	
WM-2	5/8" GYPSUM BOARD	---	4" METAL STUD	---	5/8" GYPSUM BOARD	0	S	N/A	
WM-12	5/8" GYPSUM BOARD	---	<varies>	---	5/8" GYPSUM BOARD	0	S	N/A	

OPENINGS MATERIAL SCHEDULE

Material: Sorting for Schedules	KEY	PRODUCT	MANUFACTURER	STYLE/SERIES/FINISH
08 11 16 - ALUMINUM DOORS AND FRAMES				
4	BLAN	BLACK ANODIZED - ALUMINUM DOOR/FRAME		
4	CLAN	CLEAR ANODIZED - ALUMINUM DOOR/FRAME		
4	DBAN	DARK BRONZE ANODIZED - ALUMINUM DOOR/FRAME		
08 14 00 - WOOD DOORS				
4	STFN	STAIN FINISH-INTERIOR WOOD DOOR		
08 14 23.16 - PLASTIC LAMINATE-FACED WOOD DOORS				
4	PLAM	PLASTIC LAMINATE FINISH-INTERIOR DOOR		
08 80 00 - GLAZING				
4	GE-1	EXTERIOR GLAZING TYPE 1, INSULATED GLASS UNIT		
4	GI-1	INTERIOR GLAZING TYPE 1		
4	GI-2	INTERIOR GLAZING TYPE 2, FIRE-RATED		
4	GI-3	INTERIOR GLAZING TYPE 3, WIRED		
4	GI-4	INTERIOR GLAZING TYPE 4, LAMINATED		
09 90 00 - PAINTING				
4	PTFN-E1	PAINT FINISH-EXTERIOR HOLLOW METAL DOOR		
4	PTFN-E2	PAINT FINISH-EXTERIOR HOLLOW METAL FRAME		
4	PTFN-I1	PAINT FINISH-INTERIOR HOLLOW METAL DOOR		
4	PTFN-I2	PAINT FINISH-INTERIOR HOLLOW METAL FRAME		

TOILET ACCESSORIES SCHEDULE

TYPE MARK	MANUFACTURER	DESCRIPTION	MODEL	SIZE	BLOCKING REQUIRED	COUNT
TA2	BOBRICK	TrimLineSeries Paper Towel Dispenser And Waste Receptacle	B-38032			1
TA5.1	BOBRICK		B-165 2436			1
TA7	BOBRICK	Bobrick Automatic Wall Mounted Liquid Soap Dispenser - B-2012	B-2012			1
TA8	BOBRICK		B-301		Yes	2
TA9	BOBRICK	TrimLineSeries Recessed Sanitary Napkin Disposal	B-35303			1
TA10	BOBRICK	DOUBLE TIER SOAP DISPENSER - RECESSED	B-3888	6-1/16"W X 12-1/2"H X 3"D, 2-15/16" PROTRUSION		1
TA11.2	BOBRICK			18" Grab Bar	Yes	2
TA13.3	BOBRICK			48" Grab Bar	Yes	1

NOT USED

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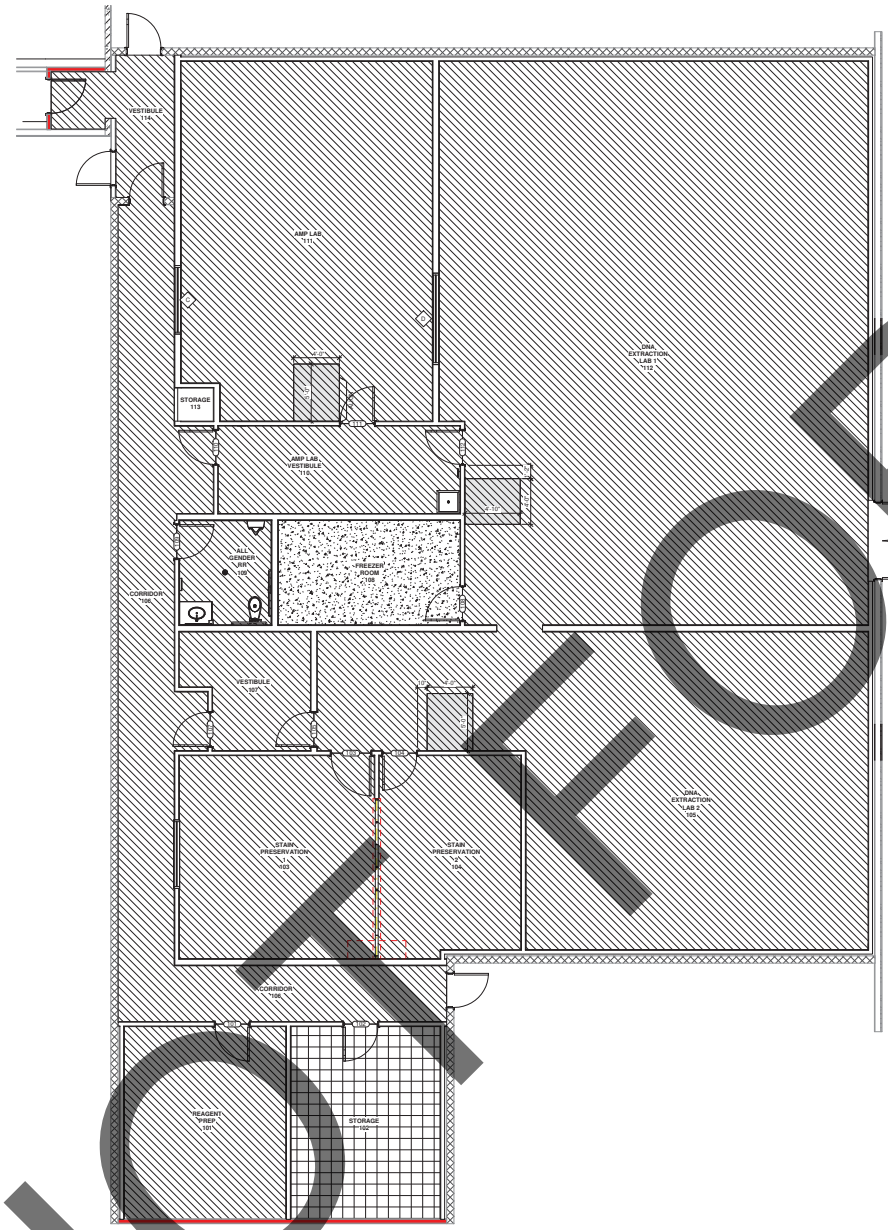
CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
SCHEDULES

SHEET NO.:
A601



1 FINISH PLAN - LAB
1/4" = 1'-0"

True North

FINISH PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS

FINISH PLAN GENERAL NOTES

FINISH PLAN KEYNOTES

KEY PLAN

True North

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CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: SBC.002

SHEET TITLE:
FINISH PLAN - LAB

SHEET NO.:
AI100