PANEL LAYOUT / FRAME DESIGN G-SKY GREEN WALL PANELS <u>Ģ</u> FRONT VIEW SIDE VIEW WALL MUST SUPPORT SATURATED GREEN WALL PANEL AND FRAME WEIGHT OF 30 LB/SQ.FT. WATERPROOFING BY OTHERS DATE: FEB 7, 2007 5 3/8" SCALE: 1" = 1'-0" (CAD FILE #2103) G-SKÝ ANCHOR 1/2" x 3 3/4" STAINLESS TSTEEL WEDGE ANCHOR (GW:WA12334) WATERPROOFING BY OTHERS SEFECTED PLANTS MIN 2 1/2" EMBED G-SKY DRIPLINE IN IRRIGATION CAVITY G-SKY FRAME STAINLESS SŢĘĘL HORIZONTAL BAR G-SKY FRAME STAINLESS STEEL VERTICAL CHANNEL G-SKY GREEN WALL PANEL 5 3/8" PLAN SECTION G-SKY FRAME A WATERPROOFING BY OTHERS G-SKY ANCHOR 1/2" x 3 3/4" STAINLESS STEEL WEDGE ANCHOR (GW:WA1233 G-SKY FRAME STAINLESS STEEL HORIZONTAL BAR G-SKY FRAME STAINLESS STEEL VERTICAL CHANNEL G-SKY GREEN WALL PANEL #208 669 RIDLEY PLACE DELTA, BC V3M 6Y9 604-708-0611 ph 604-357-1315 fax www.g-sky.com SCALE: 3/8" = 1'-0" (CAD FILE #2101) SCALE: 1" = 1'-0" (CAD FILE #2104) MIN 2 1/2" EMBED G-SKY FRAME B 3D VIEW SCALE: 3/8" = 1'-0" (CAD FILE # 2102) 1,15/16" G-SKY FRAME DETAILS G-SKY ANCHOR DETAIL G-SKY GREEN WALL PANEL ASSEMBLY 5 15/16" 3 1/4" —PLANTS 13 OR 25 G-SKY FRAME A 000 FOR 12 PANELS (GW:FR43) 2'-11 5/8" 1'-11 3/4" 3/4" WIDE T304 STAINLESS STEEL BAR 2" BASE x 1 1/2" LEG T304 STAINLESS STEEL CHANNEL GROWTH MEDIUM FABRIC NON-WOVEN NON-FLAMMABLE G-SKY ANCHOR (GW:WA12334) - 1/2" x 3 3/4" T304 STAINLESS STEEL WEDGE ANCHOR G-SKY FRAME STAINLESS STEEL CHANNEL STAINLESS STEEL NUT 1 1/2" x 1/16" THICK NEOPRENE WASHER STAINLESS STEEL WASHER 15/16 CORROSION/SHOCK RESISTANT PP PANEL 11-7/8" x 11-7/8" x 3-1/2"h 2'-11 5/8" 3'-11 1/2" 1,15/16" 5 15/16" 3 1/4" G-SKY FRAME B COMPLETED G-SKY GREEN WALL PANEL (SATURATED 30LBS/SF) SCALE: 3" = 1'-0" (CAD FILE #1205) FOR 8 PANELS (GW FR42) 1'-11 3/4" 11 7/8" SCALE: 1/2" = 1'-0" (CAD FILE #1201,1202) 5/16" HOLE FOR WEDGE ANCHOR SCALE: 1/2" = 1'-0" (CAD FILE #1101) ," []15/16

G-SKY GREEN WALL PANELS IRRIGATION DESIGN WITHOUT OPENING

G-2

DATE: FEB 7, 2007

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DELTA, BC V3M 6Y9
604-708-0611 ph 604-357-1315 fax
www.g-sky.com

WALL MUST SUPPORT SATURATED GREEN WALL PANEL AND FRAME WEIGHT OF 30 LB/SQ.FT. WATERPROOFING BY OTHERS MAIN WATER SUPPLY LINE BY OTHERS AN INDEPENDENT MAIN WATER SUPPLY LINE AND 110V POWER OUTLET ARE REQUIRED

FRONT VIEW FOR MORE THAN 150 GREEN WALL PANELS

SEE TABLE FOR REQUIRED END HEADER SPACE

G-SKY DRIPLINE

SEE TABLE FOR REQUIRED SUPPLY HEADER SPACE

PVC TEE WITH MALE ADAPTER

WATER

PVC 90 ELBOW

SPRING CHECK
VALVE @
EVERY 4 FT EL
DIFFERENCE

INTERIOR

PVC SUPPLY HEADER

CONTROLLER ASSEMBLY

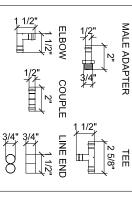
IRRIGATION MAIN

IN-LINE CHECK VALVE (OPENING PRESSURE 2 PSI) G-SKY DRIPLINE

DRIPPER DETAIL

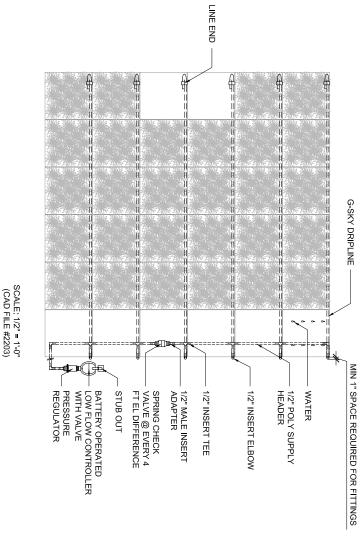
1/2" INSERT FITTING DETAIL

SCALE: 6" = 1'-0" (CAD FILE #1302) - FILTER DRIPPER (0.26 GPH DRIP RATE)



FRONT VIEW FOR LESS THAN 150 GREEN WALL PANELS

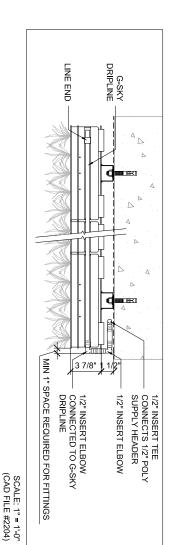
SCALE: 1 1/2" = 1'-0" (CAD FILE #1301)



DISCONNECT
PVC PIPE @ CHECK VALVE

PVC END HEADER

PLAN VIEW FOR LESS THAN 150 GREEN WALL PANELS



PVC TEE CONNECTS END HEADER

SEE TABLE FOR REQUIRED HEADER SPACE

SEE TABLE FOR REQUIRED SUPPLY HEADER SPACE

SCALE: 1" = 1'-0" (CAD FILE #2202)

1/2" MALE INSERT ADAPTER CONNECTED TO G-SKY DRIPLINE

SPRING CHECK VALVE OUTLINE
PVC TEE CONNECTS
SUPPLY HEADER

G-SKY DRIPLINE

IRRIGATION DESIGN / REQUIREMENTS TABLE FOR MORE THAN 150 GREEN WALL PANELS

MIN WATER PRESSURE (PSI)

MIN WATER FLOW (GPM)

SUPPLY HEADER LINE SIZE

STUB OUT SIZE *2

E 2 3/4" E 3 3/4" E 3

WALL SIZE (PANEL) *1

PANEL LAYOUT MAX LENGTH (PANEL x PANEL) (PANEL)

1000 750 500 250

250 250 250 250 250 250 250

PLAN VIEW FOR MORE THAN 150 GREEN WALL PANELS

SCALE: 1/2" = 1'-0" (CAD FILE #2201)

STUB OUT

WATER SUPPLY NOIN

(OPTIONAL FILTER FOR GREY WATER)

PRESSURE REGULATOR

SCALE: 1/2" = 1'-0" (CAD FILE #2208)

ELECTRIC_ WIRE

1" VALVE WITH FLOW CONTROL (1 1/2" VALVE FOR ≥ 1500 PANELS)

POWER PLUG

CONTROLLER

IRRIGATION DESIGN / REQUIREMENTS TABLE FOR LESS THAN 150 GREEN WALL PANELS

-	150	۶	70	7.1	4.5	(PANEL) *1		
10 : 15	150 x 1	5 x 10	50 x 1		3×4	(PANEL x PANEL)	PANEL LAYOUT	
					-	(PANEL)	MAX LENGTH	
3	20	10	10		-	(PANEL)	MAX HEIGHT	
3	35	30	30		20	PRESSURE (PSI)	MIN WATER	
2	1.6	0.6	0.6		2.0	FLOW (GPM)	MIN WATER	

11 THESE TABLES APPLY TO SQUARE SHAPED GREEN WALLS. SEE G-3 FOR GREEN WALLS WITH OPENINGS.
22 THESE TABLES ASSUME THAT THE STUB OUT IS LOCATED AT THE BOTTOM OF THE GREEN WALL.
33 SUPPLY HEADER: SUPPLIES WATER VERTICALLY FROM STUB OUT; END HEADER: WCREASES WATER CIRCULATION.
4 FOR LESS THAN 150 GREEN WALL PANELS, THE SUPPLY HEADER MAY BE DESIGNED TO FIT BEHND THE GREEN WALL.
5 THE IRRIGATION SYSTEM IS DESIGNED FOR CLEAN (CONTAMINANT FREE) WATER, CONSULT G-SKY FOR GREY WATER FILTER REQUIREMENTS.
6 IRRIGATION CONTROLLER ASSEMBLY MAY BE USED FOR LESS THAN 150 GREEN WALL PANELS.

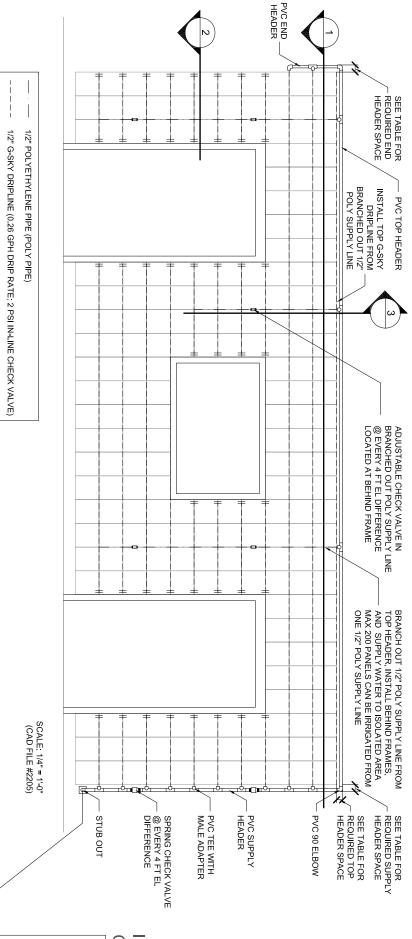
G-SKY GREEN WALL PANELS IRRIGATION DESIGN WITH OPENINGS

G-3

WALL MUST SUPPORT SATURATED GREEN WALL PANEL AND FRAME WEIGHT OF 30 LB/SQ.FT. WATERPROOFING BY OTHERS
MAIN WATER SUPPLY LINE BY OTHERS
AN INDEPENDENT MAIN WATER SUPPLY LINE AND 110V POWER OUTLET ARE REQUIRED DATE: FEB 7, 2007

#208 669 RIDLEY PLACE
DELTA, BC V3M 6Y9
604-708-0611 ph 604-357-1315 fax
www.g-sky.com

FRONT VIEW FOR GREEN WALL PANELS WITH OPENINGS



IRRIGATION DESIGN / REQUIREMENTS TABLE FOR GREEN WALL PANELS WITH OPENINGS

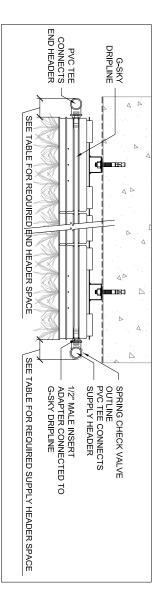
LINE END (FIGURE 8 LINE END)

750 15 × 3 1					500 250 10 x		250 250 25 >		150 150 10 ×		50 50		12 3×4	(PANEL) (PANEL x PANEL	WALL SIZE PANEL LAYOUT	
x 8 250		_								(15 -	×	10 -	× 1	(4	(PANEL) (PANEL)	AYOUT MAX LENGTH
										20	20	10	10		L) (PANEL)	IGTH MAX HEIGHT
7	45	50	45	45	40	45	40	35	35	35	35	30	30	20	PRESSURE (PSI)	MIN WATER
	20.8	10.4	10.4	7.8	7.8	5.2	5.2	2.6	2.6	1.6	1.6	0.6	0.6	0.2	FLOW (GPM)	MIN WATER
	1 1/4" PVC	1" PVC	1" PVC	3/4" PVC	3/4" PVC	3/4" PVC	3/4" PVC	1/2" PVC	1/2" PVC	1/2" POLY	1/2" POLY	1/2" POLY	1/2" POLY	1/2" POLY	LINE SIZE	SUPPLY HEADER
	1 1/2"	-1	-	<u>-</u>	-	-1	-	3/4"	3/4"	1/2"	1/2"	1/2"	1/2"	1/2"	SIZE *2	STUB OUT
	≥4 1/2"	≥3 1/2"	≥3 1/2"	≥2 3/4"	≥2 3/4"	≥2 3/4"	≥2 3/4"	≥2 1/2"	≥2 1/2"	-	1	-	1	•	HEADER *3 SPACE	REQUIRED SUPPLY
	≥3 1/2"	≥3"	IV ŭੂ	I≥ 3ª	IV G	≥2 1/2"	≥2 1/2"	≥2"	≥2"	1	1	1	1	1	HEADER *3 SPACE	REQUIRED END
	≥3 1/2"	≥3"	IV Gu	IV Ω ₁	IV G	≥2 1/2"	≥2 1/2"	≥2"	≥2"	≥1"	īv 1	≥1"	≥1"	≥1"	HEADER *3 SPACE	REQUIRED TOP

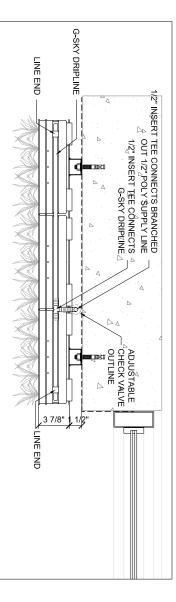
- * * * * & & 2 2
- THIS TABLE APPLIES FOR GREEN WALL WITH OPENINGS. SEE G-2 FOR GREEN WALL. WITHOUT OPENING DESIGN.
 THIS TABLE ASSUMES THAT THE STUB OUT IS LOCATED AT THE BOTTOM OF THE GREEN WALL.
 SUPPLIES HADERS: SUPPLY WANTER VERTICALLY FROM STUB OUT; END HEADER: NORFASES WATER CIRCULATION; TOP HEADER: SUPPLY WANTER VERTICALLY FROM STUB OUT; END HEADER: MOREASES WATER CIRCULATION; TOP HEADER: SUPPLY SUPPLY HEADER MAY BE DESIGNED TO FIT BEHIND THE GREEN WALL.
 FOR LESS THAN 150 GREEN WALL PANELS, THE SUPPLY HEADER MAY BE DESIGNED TO FIT BEHIND THE GREEN WALL.
 SUPPLIES HEADER OF A BRANCHED OUT 11/2 POLY SUPPLY LINE.
 THE RREACTION SYSTEM IS DESIGNED FOR CLEAN (CONTAMINANT FREE) WATER, CONSULT G-SKY FOR GREY WATER FILTER REQUIREMENTS.
 BHITERY OPERATED LOW FLOW CONTROLLER (SEE G-2) MAY BE USED FOR LESS THAN 150 GREEN WALL PANELS.

SCALE: 1" = 1'-0" (CAD FILE #2207)

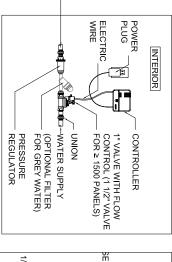
DETAIL 1 - SUPPLY / END HEADERS PLAN SECTION



DETAIL 2 - E SECTION **BRANCHED O** JT 1/2" POLY SUPPLY LINE / LINE ENDS PLAN SCALE: 1" = 1'-0" (CAD FILE #2202)

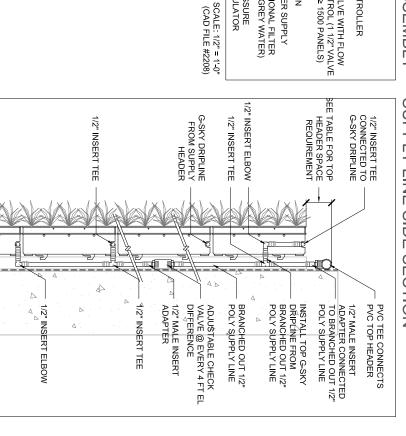


CONTROLLER ASSEMBLY **IRRIGATION MAIN**



DETAIL 3 - BRANCHED OUT 1/2" POLY SUPPLY LINE SIDE SECTION

SCALE: 1" = 1'-0" (CAD FILE #2206)



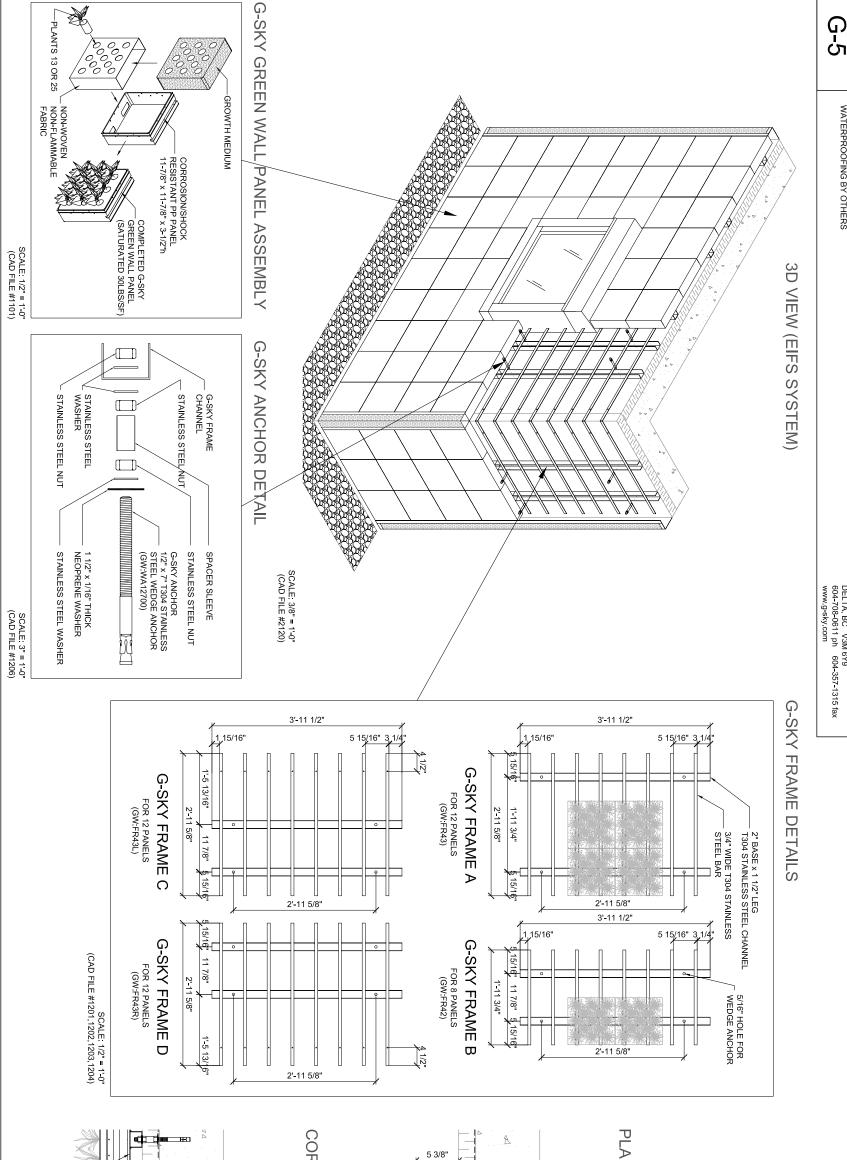
SIDE COVER (SS) SEE DETAIL 6 (CUSTOM ORDER) (OPTIONAL) SIDE COVER MOUNT (SS) WITH WELDED NUT SEE DETAIL 6 (CUSTOM ORDER) (OPTIONAL) PLAN / SECTION DETAILS FOR TYPICAL WALL G-SKY GREEN WALL PANELS 4 WATERPROOFING BY OTHERS CONC. BORDER G-4 WATERPROOFING BY OTHERS EDGE BORDER DETAIL SCALE 1"-- 1'-0" (CAD FILE #2114) EDGE DETAIL SCALE 1"- 1'-0" (CAD FILE #2106) WALL MUST SUPPORT SATURATED GREEN WALL PANEL AND FRAME WEIGHT OF 30 LB/SQ.FT. WATERPROOFING BY OTHERS DATE: FEB 7, 2007 TYPICAL CONCRETE WALL SEE IRRIGATION DRAWING G-2 FOR REQUIRED SUPPLY/END HEADER SPACE SEE IRRIGATION DRAWING G-2 FOR REQUIRED SUPPLY/END HEADER SPACE (CAD FILE #2105) 2 5 WINDOW SIDE DETAIL 2 SCALE 1"- 1'-0" (CAD FILE #2115) WINDOW SIDE DETAIL SCALE 1"- 1'-0" (CAD FILE #2107) MIN 1/2" ALLOWANCE MIN 1/2" ALLOWANCE SIDE FLASHING BY OTHERS (OPTIONAL) WATERPROOFING BY OTHERS SEE IRRIGATION DRAWING G-3 FOR DETAIL SEE IRRIGATION - DRAWING G-3 FOR DETAIL WINDOW DETAIL BY OTHERS WATERPROOFING BY OTHERS WINDOW DETAIL BY OTHERS RECESSED CONCRETE WALL (CAD FILE #2113) ယ #208 669 RIDLEY PLACE DELTA, BC V3M 6Y9 604-708-0611 ph 604-357-1315 fax www.g-sky.com CORNER DETAIL SCALE 1"- 1'-0" (CAD FILE #2108) 6 COVER DETAILS SCALE 3/4" - 1'-0" (CAD FILE #1207) COVER DIMENSIONS VARY BASED ON PROJECT REQUIREMENTS. COVERS ARE CUSTOM ORDER. SIDE CORNER COVER (SS) SEE DETAIL 6 (CUSTOM ORDER) (OPTIONAL) CORNER COVER MOUNT (SS) WITH WELDED NUT — SEE DETAIL 6 (CUSTOM ORDER) (OPTIONAL) BOLT FASTENS CORNER COVER MOUNT TO G-SKY FRAME WATERPROOFING BY OTHERS FRAME CONNECTOR (FOR EIFS SYSTEM) CORNER COVER MOUNT COVER EXTEND FLASHING OVER G-SKY FRAME -(RECOMMENDED) EXTEND FLASHING OVER G-SKY FRAME -(RECOMMENDED) SEE IRRIGATION DRAWING G-3 FOR TOP HEADER SPACE WINDOW / FLASHING DETAILS BY OTHERS WINDOW / FLASHING DETAILS BY OTHERS GRAVEL DRAINAGE BY OTHERS WATERPROOFING BY OTHERS WATERPROOFING BY OTHERS WATERPROOFING BY OTHERS WATERPROOFING BY OTHERS FLASHING DETAIL BY OTHERS DRIP EDGE (RECOMMENDED) TYPICAL WALL SECTION DETAIL SCALE 1"- 1'-0" (CAD FILE #2109,2110,2111,2112) MIN 1 1/2" MIN 6" Ŷ SEE IRRIGATION DRAWING G-3 FOR TOP HEADER SPACE WINDOW / FLASHING DETAILS BY OTHERS WINDOW / FLASHING DETAILS BY OTHERS ∞ WATERPROOFING BY OTHERS WATERPROOFING BY OTHERS WATERPROOFING BY OTHERS WATERPROOFING BY OTHERS DRIP EDGE (RECOMMENDED) CONC. BORDER GUTTER DRAINAGE BY -OTHERS RECESSED WALL SECTION DETAIL SCALE 1" - 1'-0" (CAD FILE #2116,2117,2118,2119) MIN 1 1/2' MIN 6" Δ Δ Ď \triangle

G-SKY GREEN WALL PANELS PSINTERN

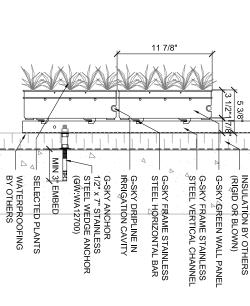
DATE: FEB 7, 2007

WALL MUST SUPPORT SATURATED GREEN WALL PANEL AND FRAME WEIGHT OF 30 LB/SQ.FT. WATERPROOFING BY OTHERS



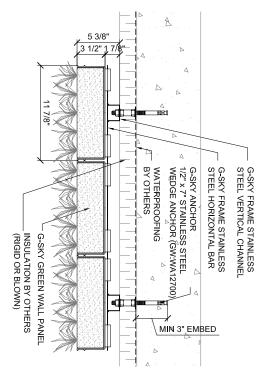






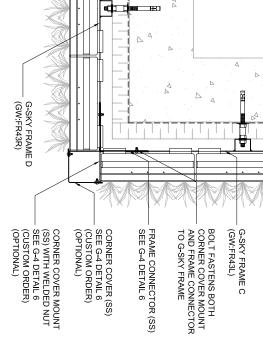
PLAN SECTION (EIFS SYSTEM)

SCALE: 1" = 1'-0" (CAD FILE #2121)



CORNER DETAIL (EIFS SYSTEM)

SCALE: 1" = 1-0" (CAD FILE #2122)



SCALE: 1" = 1'-0" (CAD FILE #2123)