VISUALED
ST-18P
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WE MAKE PIXELS COME ALIVE

The Visualed ST-18P is a transparent, bright and lightweight modular LED screen for indoor and most outdoor applications. With a 18mm. pixel pitch and 3.800 Nit brightness, The Visualed ST-18P provides the best of two segments by combining transparency and high resolution into one unique product.

The Visualed ST-18P

Based on the proven concept of Visualed X'64 series, the ST-18P delivers impressive image quality combined with a very high colour uniformity obtained by using the latest SMD single dot technology. The relative small footprint of each module and the new flexible Click 'n' rig system enables fast routines and a wide range of applications.

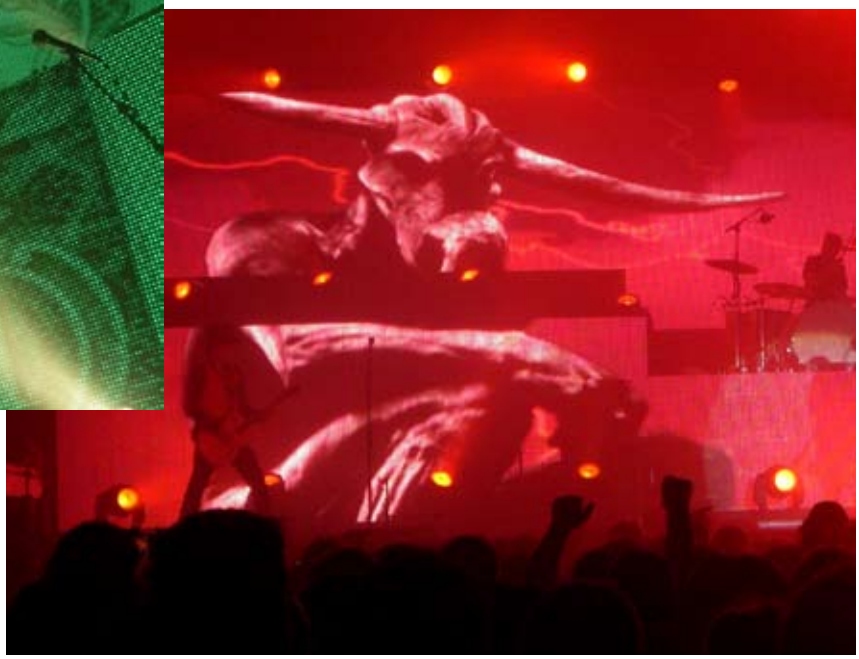
ST-18P comes with a all onboard pack, where power supply and signal processing are integrated into each module with practically no limitations. The system uses CAT-5 network cables with Neutrik connectors for signal distribution between modules and the LEDTalk: G8 data protocol enables cable lengths up to 80m. between modules without signal loss or noise. For large scale projects where signal distances can exceed 80m. a LED-Flash optical link can be inserted anywhere in the data path allowing cable lengths up to 5000m.

No more external PSU's, Signal boosters, digitizers etc...

ST-18P is among the most silent LED screens on the market, due to the design using passive convex cooling no fan is needed. This feature has proven the system to be very useful in TV and theatre applications, were silence is demanded.

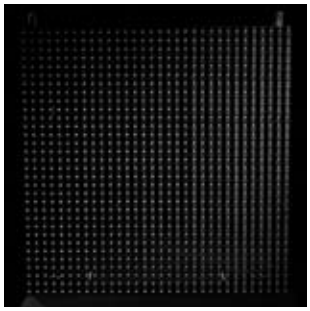
ST-18P is ready to tour as a special designed flightcase is available. The flightcase can carry 8 modules and 2 x Click 'n' rig fly brackets plus cables, the case are build for the tough life on the road, and keep all standard european truck measurements: (60cm. Wide. - 120cm. Length. - 80cm. High). Weight fully loaded: 160kg. (8 modules, fly brackets and cables).

Above: Project D-A-D Monster philosophy tour, design by Kasper Christiansen.



Above: Project: D-A-D Monster philosophy tour, design by Kasper Christiansen.

Technical specification Visualed ST-18P



High contrast

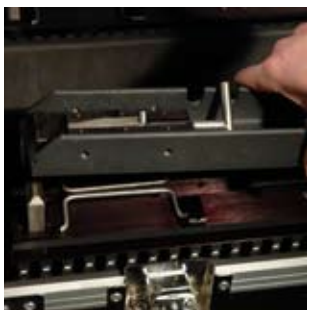
High transparency

Double visual layers

Flightcase

Fastfit sidelock system

SMD single dot

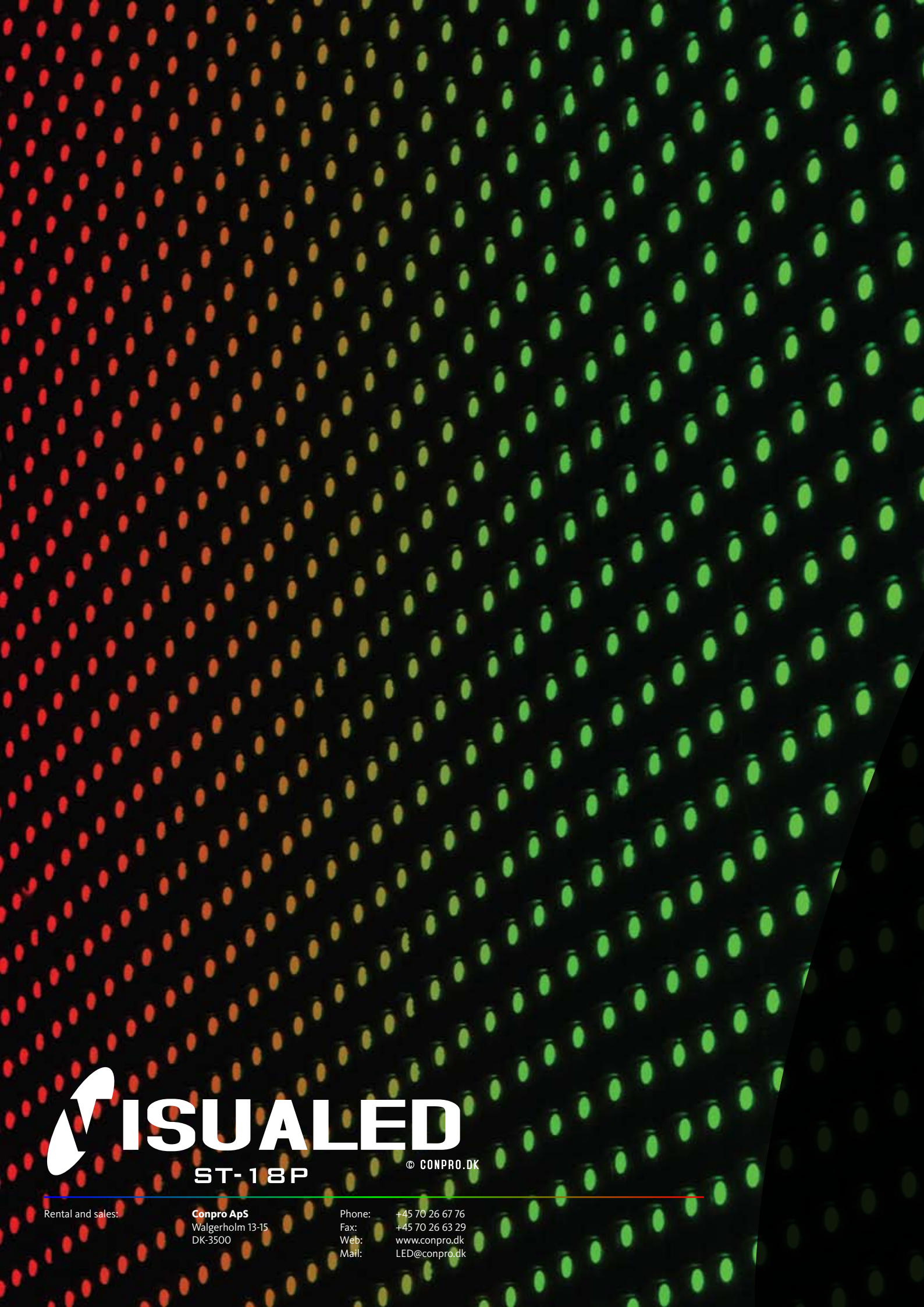


Click 'n' rig fly bracket

Click 'n' rig connection

Onboard control and PSU

Pixel pitch
18 mm.
Brightness
3.800 Nit (Cd/m^2)
LED Configuration
3-in-1 SMD
Viewing angle
H>145 - V>100 Deg.
Front
Anti reflective black plastic lamel
Transparency *(See-thru factor)*
35% / incl. integrated control box
Lifetime *(Full white, half brightness)*
50.000 hrs.
Power consumption
Max 300W / Per module
Voltage
110 - 230V
Connections
Signal: Neutrik CAT-5
Power: Duraplug 16A
Signal source: LEDtalk: G8 Digitizer
Signal latency: >20ms.
Cooling
Passive / No fans
Processing
<16 Bit per colour
Colours
180 trillion
Refresh rate
Variable: < 800Hz
Humidity range
10 - 99%
Protection rating
IP 65 IEC / EN60529
(Limited outdoor use: prevent from possible flooding)
Size
57,6W x 57,6H x 8,5D cm.
Weight
9,5 kg. per module
Rigging
Vertical: Click 'n' rig system
Horizontal: Fastfit sidelock system
Max hang
18 modules: 10,36 m. high



Rental and sales:

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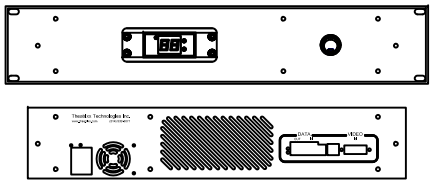
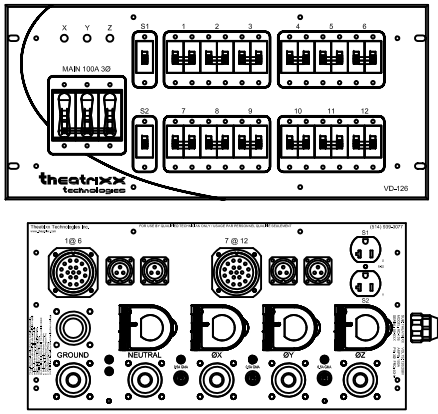
VISUALED PROCESSOR
INTENSITY CONTROL & CONVERTER



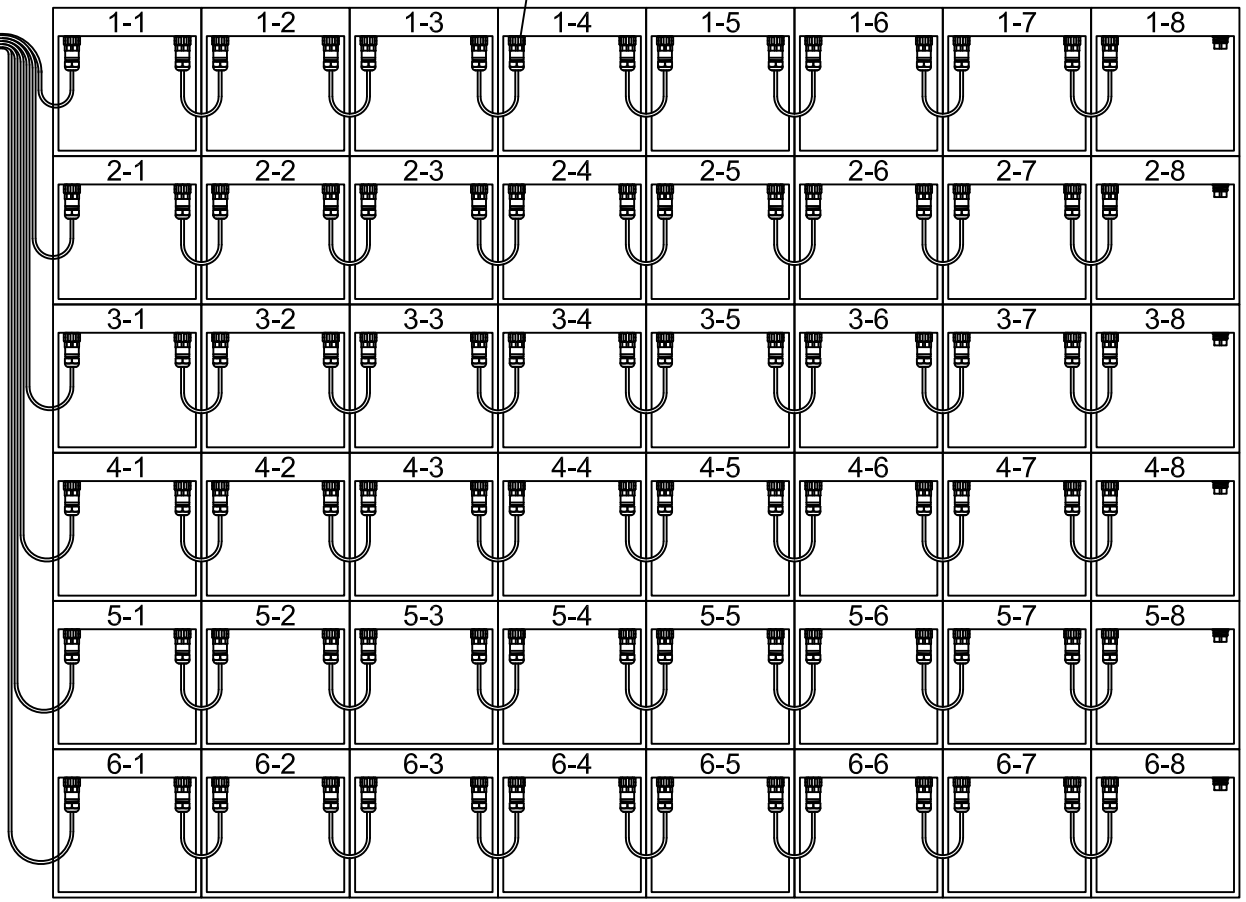
ELECTRICAL DISTRIBUTION
FOR LED VIDEO WALL



POWER EXTENSION
FROM POWER DISTRO
TO FAN-OUT

POWER FAN-OUT
FROM POWER EXTENSION
TO 6 FIRST TILES

POWER JUMPER
DAISY CHAIN



EQUIPMENT LIST

48	ST18P	VISUALED LED WALL PANEL
8	BUMP1	SINGLE BUMPER
42	RJ45C5E002	SIGNAL CABLE JUMPER - 2'
5	RJ45C5E003	SIGNAL CABLE JUMPER - 3'
1	RJ45C5E300	SIGNAL CABLE FEEDER - 300'
1	LTC	LEDTALK CONTROLLER
1	VD126	POWER DISTRIBUTION PANEL
1	TFC419AR1214100	MAIN POWER CABLE - 100'
1	SPCM6C2012	POWER FAN-OUT
42	TFC23C1203002	POWER JUMPER - 2'

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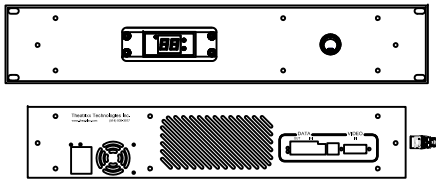
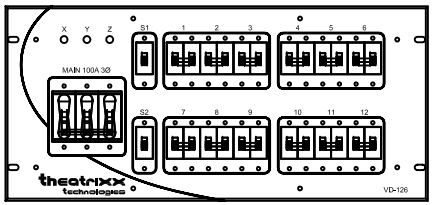
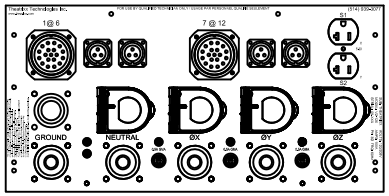
TITLE:	VISUALED POWER LINES	VIEW	POWER INTERCONNECTIONS
FILE:	VISUALED_PWR.DWG	PRODUCT	VISUALED ST-18P 6 X 8 CONFIGURATION
CLASSE:	DESIGN 2009	SIGNATURE:	
BY:	FRANCOIS LEVASSEUR	DATE:	2009-07-15

VISUALED PROCESSOR
INTENSITY CONTROL & CONVERTER



ELECTRICAL DISTRIBUTION
FOR LED VIDEO WALL

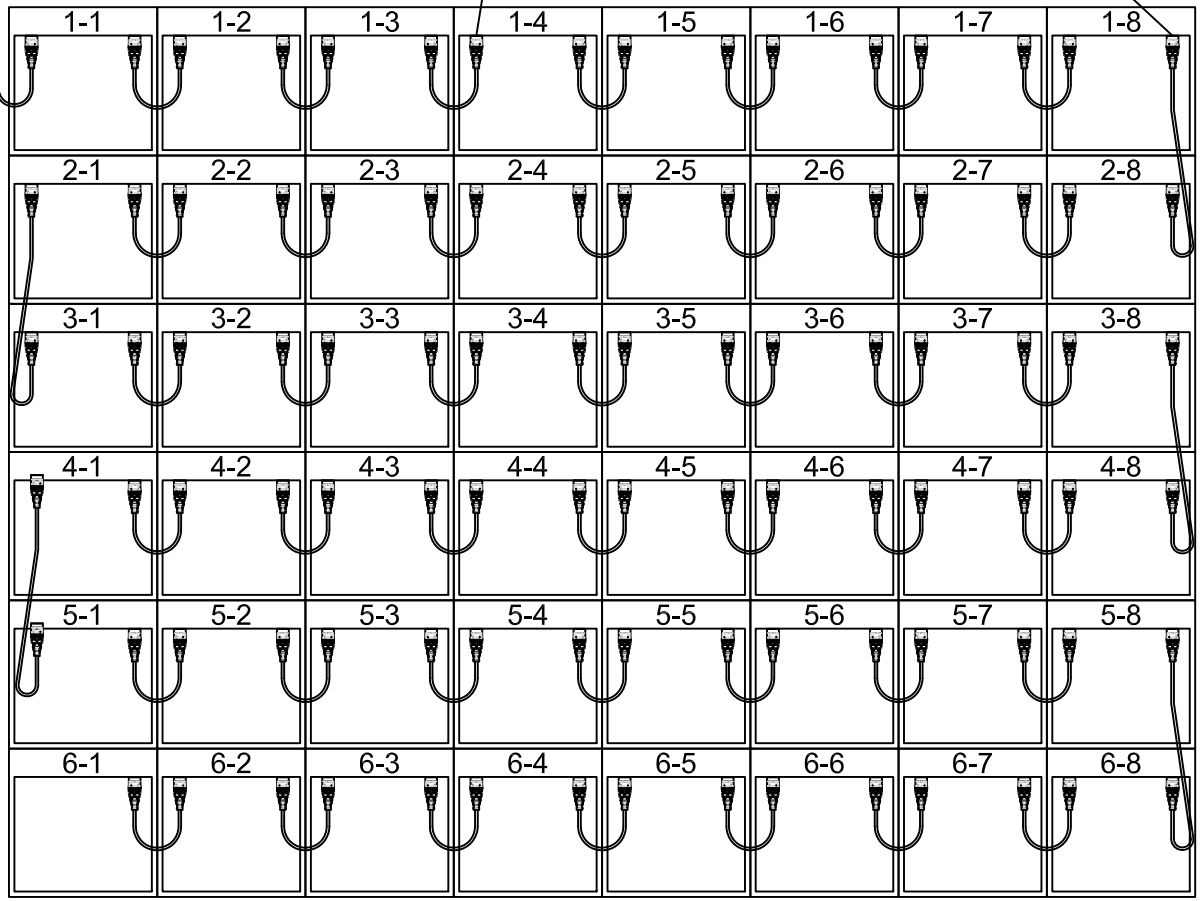




ETHERCON EXTENSION
FROM PROCESSOR
TO FIRST TILE

ETHERCON JUMPER
DAISY CHAIN

ETHERCON EXTENSION
FROM ROW TO ROW



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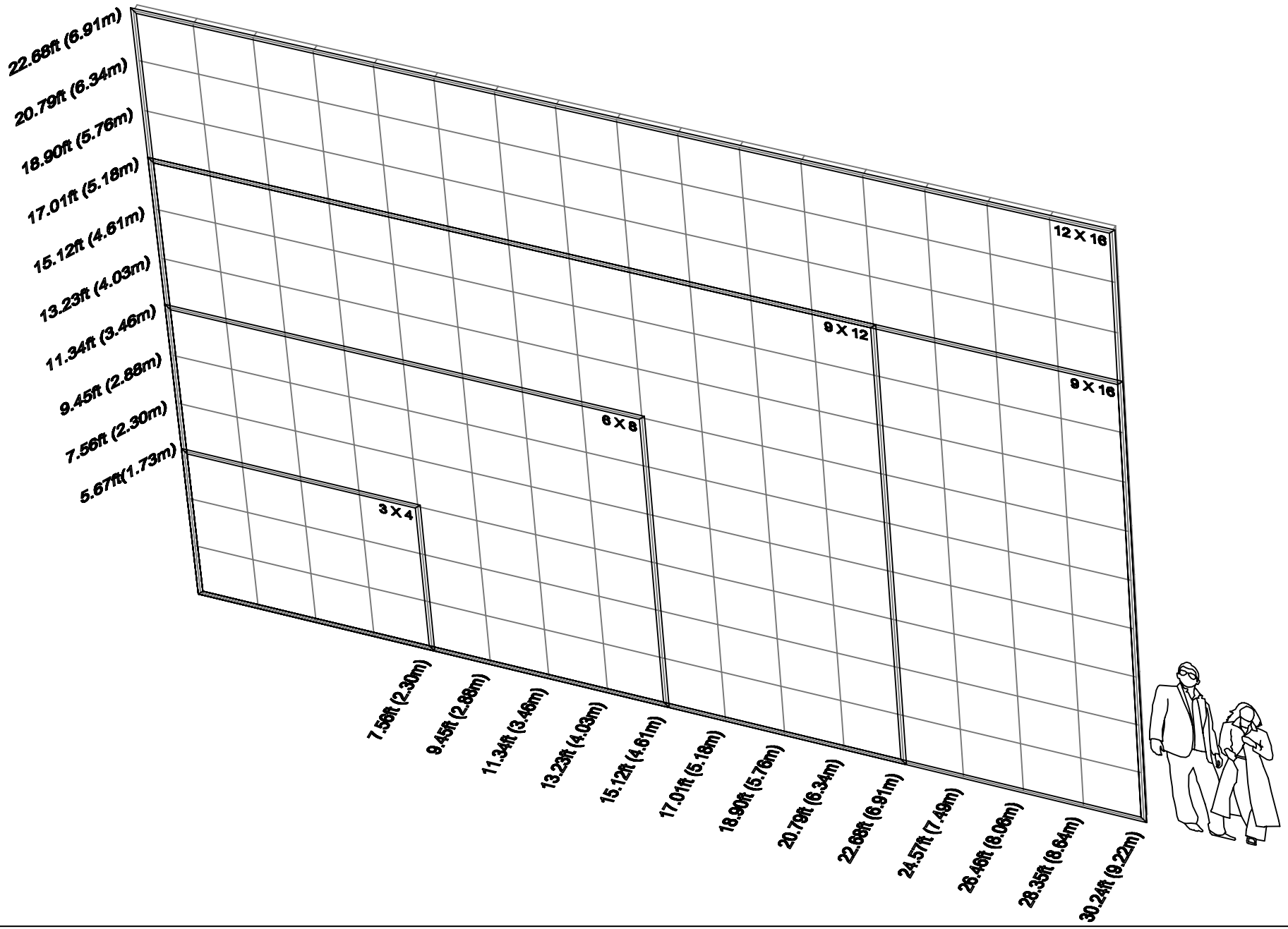
TITLE:	VISUALED DATA LINES	VIEW	SIGNAL INTERCONNECTIONS
FILE:	VISUALED_DATA.DWG	PRODUCT	VISUALED ST-18P 6 X 8 CONFIGURATION
CLASSE:	DESIGN 2009	SIGNATURE:	
BY:	FRANCOIS LEVASSEUR	DATE:	2009-07-15



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TITLE:	VISUALED STANDARD CONFIGURATIONS	VIEW	SW PERSPECTIVE
FILE:	VISUALED_PATH.DWG	PRODUCT	VISUALED ST-18P
CLASSE:	DESIGN 2009	SIGNATURE:	
BY:	FRANCOIS LEVASSEUR	DATE:	2009-07-15