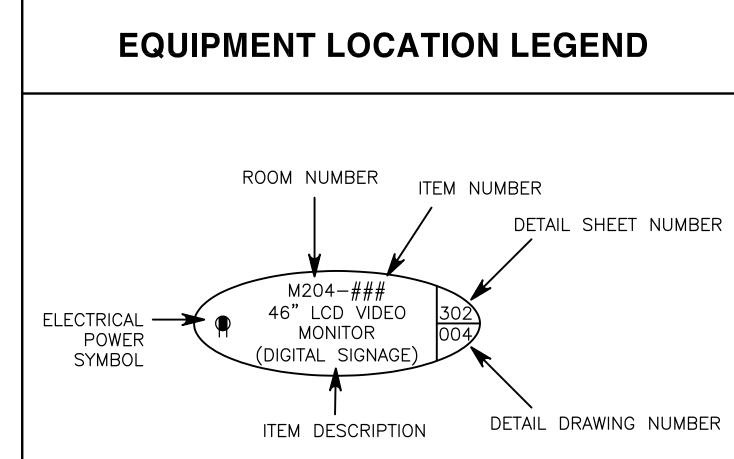


RISER DIAGRAM LEGEND

CONDUIT

CONDUIT W/ BUSHING

— — FREE AIR CABLE



NOTE #	DESCRIPTION
1	NO MORE THAN THE EQUIVALENT TO TWO 90° BENDS BETWEEN PULL POINTS.
2	NO MORE THAN 100 FEET BETWEEN PULL POINTS. PROVIDE ADDITIONAL PULL BOXES EVEN IF NOT SPECIFICALLY SHOWN ON DRAWINGS.
3	PROVIDE MINIMUM INSIDE BENDING RADIUS OF 10 TIMES THE INSIDE DIAMETER OF THE CONDUIT. ELBOWS ARE NOT PERMITTED.
4	CONDUIT RUNS NOT TO EXCEED 300 FEET.
5	KEEP PARALLEL RUNS OF SIGNAL CONDUITS AND POWER CIRCUIT CONDUITS THAT ARE OVER 20-AMPS AT LEAST TWO FEET APART.
6	CONDUIT FILL NOT TO EXCEED 30%.
7	CONDUIT AND CABLE TRAY TO BE PROVIDED FOR ALL AV LOW-VOLTAGE SIGNAL WIRING AS SHOWN ON AV DRAWINGS. AV LOW-VOLTAGE SIGNAL WIRING SHALL NOT BE RUN IN FREE AIR, J-HOOKS, OR SIMILAR.
8	ALL CONDUIT ROUTES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE EXACT CONDUIT ROUTING WITH THE OWNER AND FIELD CONDITIONS AND SUBMIT COORDINATED ROUTING TO THE ENGINEER FOR APPROVAL. INCLUDE, AS PART OF THE CONTRACTOR BASE BID, THIS COORDINATION AND POSSIBLE MINIMAL INCREASE IN ROUTING.
9	ALL AV CONDUIT SHALL BE DE-BARRED, CLEANED, CAPPED, TAGGED, AND FURNISHED WITH PULL WIRES.
10	POWER RECEPTACLES SHOWN ON THESE DRAWINGS ARE DEDICATED TO AUDIOVISUAL EQUIPMENT AND SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR CIRCUITING.
11	PROVIDE SEPARATE CONDUITS OR CABLE BUNDLES FOR THE FOLLOWING THREE CLASSES OF SIGNAL CABLING:  A. SPEAKER, 8-OHM AND 70-VOLT  B. FIBER  C. ALL OTHER AV CABLE
12	ELECTRICAL CONTRACTOR TO PROVIDE BACKBOXES FOR AV LOW-VOLTAGE SIGNAL WIRES WITH TEMPORARY BLANK COVER PLATES.
13	AV CONNECTION PANELS SHALL BE FABRICATED FROM 14 GAUGE ALUMINUM PANEL STOCK, WITH ANODIZED FINISH AND ENGRAVED AND WHITE—FILLED 3/16" HIGH HELVETICA LETTERING EDGES SHALL BE BEVELED 1/16" AT 45°

LETTERING. EDGES SHALL BE BEVELED 1/16" AT 45°

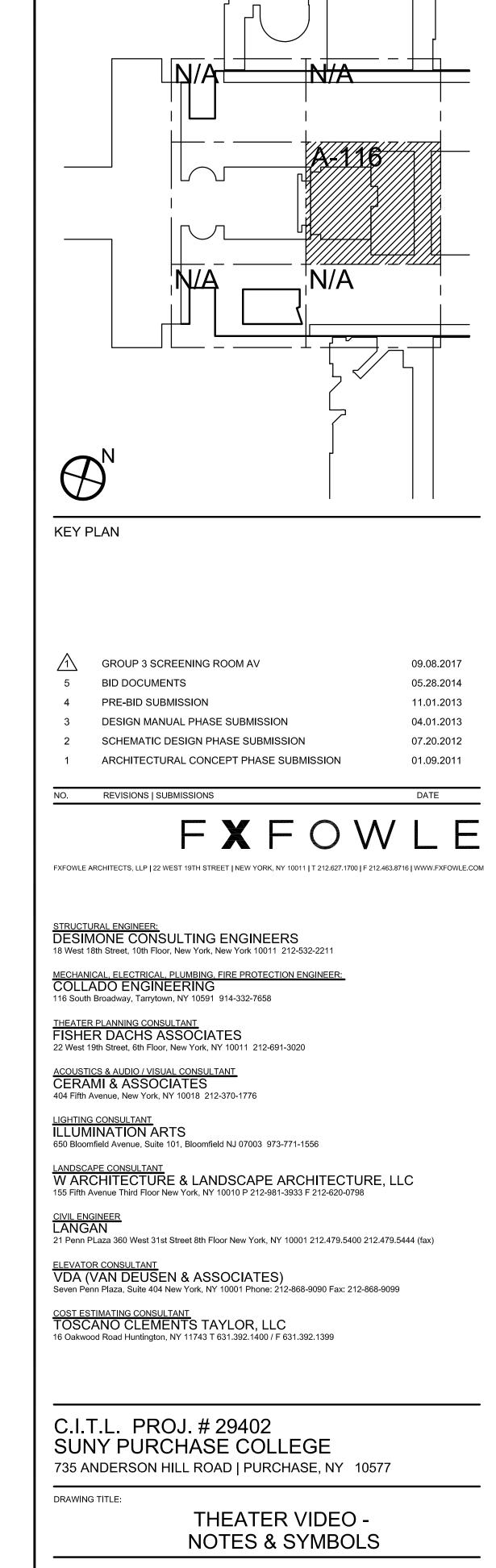
**TV GENERAL NOTES** 

	POWER SYMBOLS LEGEND				
SYMBOL	DESCRIPTION				
φ	STANDARD POWER DUPLEX RECEPTACLE				
	TECHNICAL POWER DUPLEX RECEPTACLE				
#	STANDARD POWER QUADRUPLEX RECEPTACLE				
#	TECHNICAL POWER QUADRUPLEX RECEPTACLE				
	TECHNICAL POWER CEILING DUPLEX RECEPTACLE				
<b>△</b> <sub>A</sub>	TECHNICAL POWER TWIST-LOCK RECEPTACLE FOR EQUIPMENT RACK, NEMA L6-20R				
LA.	STANDARD POWER DISCONNECT SWITCH FOR RIGGING MOTOR 1-HP 3-PHASE WITH NEUTRAL				
(P) AV)	COMBINED SERVICES WALL BOX WITH TECHNICAL POWER AND AV				
(P) AV	COMBINED SERVICES CEILING BOX WITH TECHNICAL POWER AND AV				
(AV)	COMBINED SERVICES FLOOR BOX WITH TECHNICAL POWER AND AV				

WIRE SCHEDULE					
TYPE	USE	RATING	OUTSIDE DIAMETER	MIN. BENDING RADIUS	DESCRIPTION
24V	POWER 24V	CMR	0.184"	1.75"	#16 AWG TWISTED PAIR
8Ω	SPEAKER 8Ω	CMR	0.275"	2.75"	#10 AWG TWISTED PAIR
AUDIO	ANALOG OR AES AUDIO	CMR	0.165"	1.75"	#22 AWG SHIELDED TWISTED PAIR $110\Omega$
DRY	DRY CONTACT	CMR	0.226"	2.125"	#18 AWG 6-COND UN-SHIELDED
STP	HDBASET	CMR	0.300"	3.00"	CAT 6A #24 AWG (4) PAIR SOLID SHIELDED
UTP	DATA	CMR	0.190"	1.90"	CAT 5E #24 (4) PAIR SOLID
VIDEO	VIDEO	CMR	0.274"	2.75"	75Ω PRECISION COAX SMPTE 424M

				DEVICE SCHEDULE				
ROOM NUMBER	ITEM NUMBER	ROOM NAME	ITEM	виск вох	виск вох			
ROOM NUMBER	ITEM NUMBER	ROOM NAME	I I CIVI	TYPE	SIZE	MOUNTING	LOCATION	DETAIL
064	01	PROJECTOR ROOM	AV EQUIPMENT RACK	SCREW COVER J-BOX	24"Hx 24"W x 8"D/	RECESSED	AT CEILING	105-A1
064	02	PROJECTOR ROOM	VIDEO PROJECTOR	SCREW COVER J-BOX	(10"H x 10"W x 6"D)	RECESSED	8'-5" AFF	105-A12
065	01	SCREENING ROOM	SURROUND SPEAKER	SWITCH BOX	— SANG	RECESSED	9'-11" AFF	105-L1
065	02	SCREENING ROOM	SURROUND SPEAKER	SWITCH BOX	1 – GANG	RECESSED	8'-5" AFF	105-L1
065	03	SCREENING ROOM	SURROUND SPEAKER	SWITCH BOX	1 – GANG	RECESSED	6'-11" AFF	105-L1
065	04	SCREENING ROOM	SURROUND SPEAKER	SWITCH BOX	1 – GANG	RECESSED	6'-11" AFF	105-L1
065	05	SCREENING ROOM	SURROUND SPEAKER	SWITCH BOX	1 – GANG	RECESSED	6'-11" AFF	105-L1
065	06	SCREENING ROOM	SURROUND SPEAKER	SWITCH BOX	1 – GANG	RECESSED	6'-11" AFF	105-L1
065	07	SCREENING ROOM	SURROUND SPEAKER	SWITCH BOX	1 – GANG	RECESSED	8'-9" AFF	105-R1
065	08	SCREENING ROOM	SURROUND SPEAKER	SWITCH BOX	1-GANG	RECESSED	8'-9" AFF	105-R1
065	09	SCREENING ROOM	AV CONNECTION PANEL	SCREW COVER J-BOX	(18"H x 12"W x 4"D)	SURFACE	1'-6" AFF	104-M11
065	10	SCREENING ROOM	AV CONNECTION PANEL	SCREW COVER J-BOX	12"H x 12"W x 6"D\	RECESSED	1'-6" AFF	104-M1
065	11	SCREENING ROOM	SPEAKER CONNECTION PANEL	SCREW COVER J-BOX	12"H × 12"W × 4"D \	SURFACE	4'-6" AFF	104-A1
065	12	SCREENING ROOM	MASKING MOTOR	NONE	\			
065	13	SCREENING ROOM	I.R. EMITTER	SCREW COVER J-BOX	4"H × 4"W × 4"D	RECESSED	8'-9" AFF	105-R12

CONNECTOR LEGEND				
SYMBOL	DESCRIPTION			
	FEMALE 3—CONDUCTOR XLR PANEL RECEPTACLE, NEUTRIK DXL BLACK WITH GOLD CONTACTS			
	MALE 3-CONDUCTOR XLR PANEL RECEPTACLE, NEUTRIK DXL BLACK WITH GOLD CONTACTS			
	FEMALE 6-CONDUCTOR XLR PANEL RECEPTACLE, NEUTRIK DXL BLACK WITH GOLD CONTACTS			
	RECESSED ISOLATED FEEDTHRU BNC TO BNC BULKHEAD CONNECTOR, NEUTRIK NBB75DFGB			
	RECESSED ISOLATED FEEDTHRU F TO F BULKHEAD CONNECTOR			
	SHIELDED CAT-6 RJ-45 RECEPTACLE, NEUTRIK 'ETHERCON' NE8FDY-C6-B			
	SPEAKER RECEPTACLE, NEUTRIK 'SPEAKON' NL2MP			
	POWER RECEPTACLE, NEUTRIK 'POWERCON'			



Project No

Cad File:

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