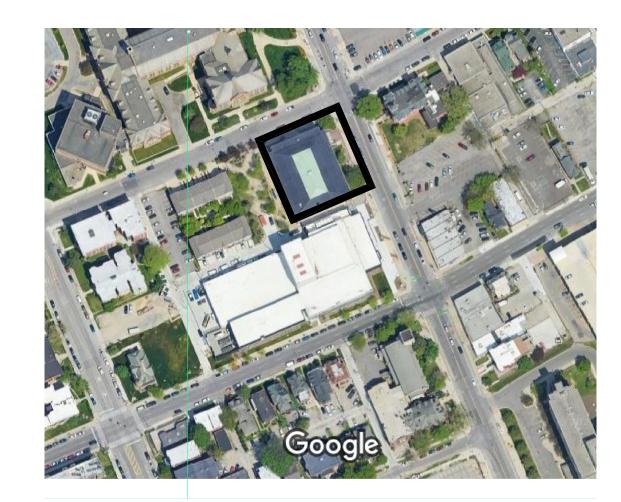
WAYNE STATE UNIVERSITY

GRETCHEN C VALADE JAZZ CENTER PHASEIV









SITE LOCATION MAP

NOT TO SCALE

PROJECT LOCATION:

4743 CASS AVE

DETROIT, MI 48202

WAYNE STATE UNIVERSITY

GRETCHEN C. VALADE JAZZ CENTER

HAA: BULLETIN 21 & 22 **OSBORN: BID SET** APRIL 16, 2024

DRAWING LIST

G-000 COVER

BULLETII	N 21
AD1.0	LOWER LEVEL DEMOLITION PLAN
AD1.1	LEVEL ONE DEMOLITION PLAN
A7.1.1	DOOR SCHEDULE - VALADE
A7.2.1	ROOM FINISH SCHEDULE
S9.5	ENLARGED PLANS
S9.6	SECTIONS AND DETAILS
P1.0A	LOWEL LEVEL PLAN - SECTOR A -
D 0 0	D

LEVEL ONE DEMOLITION PLAN - SECTOR A

BULLETIN 22

	
AD5.0	LEVEL TWO - CONTROL BOOTH DEMOLITION
A6.1.14	VALADE CONTROL BOOTH
A6.1.15	VALADE CONTROL BOOTH
A6.1.16	VALADE CONTROL BOOTH
A7.1.1	DOOR SCHEDULE - VALADE
A7.2.2	ROOM FINISH SCHEDULE
A7.2.3	MATERIAL SCHEDULE
A7.4.1	INTERIOR PARTITIONS
S6.1.14	VALADE CONTROL BOOTH
S6.1.15	VALADE CONTROL BOOTH
S6.1.16	COLD FORM TYPICAL DETAILS
MOOA	

LEVEL TWO HVAC - SECTOR A LEVEL TWO MECHANICAL PIPING - SECTOR A MECHANICAL SCHEDULES E3.1A LEVEL ONE POWER PLAN - SECTOR A

LUMINAIRE SCHEDULES **ELECTRICAL PANEL SCHEDULE** CONTROL BOOTH AV - GENERAL NOTES AV0.1 AV0.2 AV - SYMBOLS AV0.6 AV - SCHEDULES 4

AV - TECHNICAL POWER RECOMMENDED PRACTICE AV0.9

AV DETAILS - VALADE CONTROL ROOM AV4.1 AV - SIGNAL FLOW 8 AV - RACK DETAILS 6 AV8.6 AV9.16 AV - PLATES AND PANELS 16

BID SET

B-A1.1 RAMP PLANS B-A1.2 RAMP SECTION AND ELEVATION ALTERNATE B1 RAMP CENTER WALL

RAMP SECTIONS B-A1.3 B-A1.4 RAILING DETAIL

DRESSING ROOMS/TOILET ROOM DONOR LOUNGE PLAN

DONOR LOUNGE CEILING PLAN AND ELEVATIONS B-A1.8 **DETAILS AND SCHEDULES**

ARCHITECTURAL SPECIFICATIONS B-A1.9 ARCHITECTURAL SPECIFICATIONS B-A1.10 **GENERAL NOTES** B-S1.0

B-S1.1 RAMP FOUNDATION PLAN

MECHANICAL GENERAL NOTES AND ABBREVIATIONS ENLARGED PLUMBING PLANS B-MP1.1

ENLARGED MECHANICAL PLANS

ELECTRICAL GENERAL NOTES AND LEGENDS

ELECTRICAL FLOOR PLANS

PROJECT TEAM

OWNER:

FAX: 313-577-1817

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STRUCTURAL/MEP **ENGINEER:**

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ARCHITECT:

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SILVERI ARCHITECTS

DEMOLITION NOTES

1. CONTRACTOR SHALL PROVIDE DEMOLITION AS REQURIED FOR NEW CONSTRUCTION. REFER TO CONTRACT DOCUMENTS FOR EXTENT OF NEW WORK.

2. CONTRACTOR SHALL VISIT SITE TO VERIFY ACTUAL EXTENT OF DEMOLITION PRIOR TO BID. DO NOT RELY SOLELY ON THE DRAWINGS FOR DEMOLITION SCOPE. ALL DEMOLITION REQUIRED TO CARRY OUT THE WORK OF THE CONTRACT SHALL BE PART OF THE CONTRACT. NO ADDITION TO THE CONTRACT AMOUNT WILL BE ALLOWED DUE TO FAILURE TO FIELD VERIFY DEMOLITION SCOPE OR FAILURE TO EXAMINE ALL CONTRACT DOCUMENTS.

3. VERIFY AND INVESTIGATE ALL CONDITIONS IN THE FIELD PRIOR TO STARTING DEMOLITION, NOTIFY ARCHITECT OF DISCREPANCIES. LOCATE AND IDENTIFY SERVICES TO REMAIN IN OPERATION, INCLUDING ALL UTILITY LINES PENETRATING FLOOR, UNDOCUMENTED CONDITIONS, UTILITY RISERS, ETC.

4. PRIOR TO CUTTING EXISTING CONSTRUCTION, DETERMINE THE PRESENCE OF AND PROTECT ACTIVE TELECOMMUNICATION, DATA & ELECTRICAL LINES AND PIPING WHICH MAY BE DAMAGED BY SUCH CUTTING.

5. REMOVE AND REINSTALL ITEMS TO BE SALVAGED WHERE INDICATED AND WHERE ADVISED BY OWNER. CONTRACTOR TO CONFIRM WITH WSU AND THE DESIRE TO RETAIN SALVAGED MATERIALS WHICH INCLUDES, BUT NOT LIMITED TO, PRODUCTS, DEVICES, HARDWARE, ETC.

6. CONTRACTOR TO FOLLOW OWNER'S REQUIREMENTS FOR ENSURING SECURITY AND SAFETY OF THE BUILDING THROUGH DEMOLITION AND CONSTRUCTION.

7. UTMOST CARE MUST BE TAKEN DURING DEMOLITION TO ENSURE THAT EXISTING CONSTRUCTION TO REMAIN IS NOT DAMAGED. REPAIR OR REPLACE EXISTING CONSTRUCTION

8. CONTRACTOR IS TO PROVIDE COMPLETE DUST PROOF ENCLOSURE IN ALL AREAS WHERE DEMOLITION IS TO OCCUR.

9. FLOORS: REMOVE ALL DEBRIS, DUST AND DIRT. CLEAN WITH WATER AND DETERGENT. WHERE INDICATED, REMOVE FLOOR FINISH DOWN TO STRUCTURAL SLAB WHERE INDICATED.

DAMAGED BY DEMOLITION ACTIVITIES.

10. WHERE EXISTING PLASTER AND CONCRETE WALLS AND COLUMNS ARE TO REMAIN: REMOVE ALL LOOSE AND PEELING PAINT BY SCRAPPING. REMOVE UNSTABLE PLASTER FROM INTERIOR FACE OF EXTERIOR WALL. STABLE PLASTER SHALL REMAIN. CLEAN WITH WATER AND DETERGENT.

11. CONTRACTOR IS TO VACUUM ACCESS CORRIDORS AT THE END OF EACH DAY, AT A MINIMUM.

12. CONTROL NOISE, VIBRATION, AND ANY OTHER DISTURBING FACTORS. COORDINATE WORK HOURS WITH OWNER PRIOR TO PROCEEDING WITH THE WORK.

DISRUPTION OF CAMPUS ACTIVITIES.

13. SCHEDULE ALL DEMOLITION AND CONSTRUCTION WORK WITH DESIGNATED OWNER'S REPRESENTATIVE TO MINIMIZE

14. WHERE CEILING IS TO REMAIN: REMOVE DUST, DIRT AND DEBRIS. REMOVE ALL LOOSE AND PEELING PAINT FROM PLASTER CEILINGS BY SCRAPPING. DO NOT REMOVE SPRAY FIRE PROTECTION.

15. WHERE EXISTING DOORS ARE TO REMAIN: REMOVE ALL LOOSE AND PEELING PAINT BY SCRAPPING. CLEAN WITH WATER AND DETERGENT.

16. WHEN REMOVING MECHANICAL AND ELECTRICAL ITEMS, REMOVE ALL ASSOCIATED CONSTRUCTION INCLUDING FASTENERS, CABLE, RODS, ETC.

17. INVENTORY SALVAGED ITEMS: LIST SHALL INCLUDE DESCRIPTION OF ITEM, DIMENSIONS (OVERALL WIDTH, HEIGHT, DEPTH), COLOR, APPROX. WEIGHT. AND PHOTO.

18. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.

19. DO NOT PROCEED WITH NEW FLOOR OPENINGS OR WALL OPENINGS UNTIL NEW SUPPORT STRUCTURE IS IN PLACE, SEE STRUCTURAL.

20. PROVIDE CONSTRUCTION WASTE MANAGEMENT PLAN PRIOR TO THE START OF DEMOLITION. TARGET 50% RECYCLING OF CONSTRUCTION WASTE. REFER TO WSU OEHS PLAN FOR WASTE DISPOSAL.

MOUNTED TOILET ROOM ACCESSORIES TO BE REMOVED WHERE INDICATED.

21. ALL TOILETS LAVATORIES, URINALS, SHOWERS AND WALL-

22. REMOVE ALL CEILINGS AND SUPPORT SYSTEMS COMPLETE WHERE INDICATED.

WHERE INDICATED.

23. REMOVE ALL FLOOR FINISHES AND WALL BASE COMPLETE WHERE INDICATED AND PREPARE FLOOR FOR NEW FINISH.

24. REMOVE WALLS (SHOWN DASHED) IN THEIR ENTIRETY INCLUDING ALL ELECTRICAL, DATA AND MECHANICAL WORK.

- MASONRY WALLS SHALL BE REMOVED DOWN TO TOP OF STRUCTURAL SLAB.

- WALLS TO BE REMOVED MAY HAVE LEAD BASED AND/OR LEAD CONTAINED PAINT. COORDINATE W/ ABATEMENT CONTRACTOR

25. DO NOT REMOVE ELEMENTS SLATED TO REMAIN OR TO BE REPAIRED. REFER TO SCOPE OF WORK.

26. CONTRACTOR SHALL PROTECT ALL STRUCTURAL ELEMENTS FROM DAMAGE DURING CONSTRUCTION.

27. REFER TO OWNER'S ASBESTOS AND LEAD CONTAINING PAINT SURVEY REPORT AND HAZARDOUS MATERIALS REPORT PRIOR TO ANY DEMOLITION. OWNER IS RESPONSIBLE FOR ALL HAZARDOUS MATERILA REMEDIATION.

DEMOLITION LEGEND

72/72/72	REMOVE WALL COMPLETE
	EXISTING CONSTRUCTION TO REMAIN
= 1 =	REMOVE DOOR AND FRAME COMPLETE
	EXISTING DOOR AND FRAME TO REMAIN
<u> </u>	REMOVE TOILET AND LAVATORY COMPLE REMOVE WALL/FLOOR CERAMIC TILE COMPLETE AND PREPARE FLOOR AND WA FOR NEW FINISH.
	REMOVE EXISTING CONSTRUCTION AS NO
	PLAN KEYNOTES

Number	Note
AD.01	DEMO WALL, DOOR AND FRAME COMPLETE
AD.02	DEMO WALL AND DOOR OPENING FRAME COMPLETE
AD.03	DEMO WALL AND PREP FOR NEW DOOR OPENING. REF. SCHEDULE FOR SIZE
AD.43	DEMO PLYWOOD PLATFORM AND RAILING, COMPLETE
AD.44	DEMO FLOOR AS REQUIRED TO ACCOMMODATE NEW PLAN. REFER TO PLUMBING DRAWINGS.
AD.45	REMOVE BULLETIN BOARD
AD.71	SALVAGE EXISITNG TV, TURN OVER TO OWNER. DEMO EXISTING WALL AND ASSOCIATED ELECTRICAL/AV WIRING.
AD.76	REMOVE EXISTING CARPET.
AD.90	EXISTING FIRE PUMP TO REMAIN. REF FIRE PROTECTION DRAWINGS.

HamiltonAnderson

HGA

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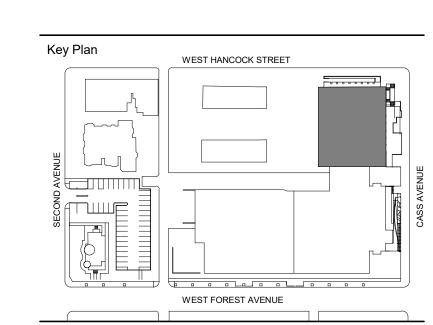
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BULLETIN 21 BP4 DOCK LIFT
BULLETIN 20 BP4 2024-01-05
BULLETIN 06- BP4 2020-11-06
BULLETIN 05- BP4 2020-10-02
PERMIT SET

FEB. 16, 2024
JAN. 5, 2024
NOV. 6, 2020
OCT. 2, 2020
JUNE 29, 2020

Project

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

Drawing Title

LOWER LEVEL

LOWER LEVEL
DEMOLITION PLAN

Project Number: 2018034.00

Scale: As indicated

Seal:

RAINY
HAMILTON JR.

ARCHITECT

No.
1301029042

Drawing No:

AD1.0

LOWER LEVEL DEMOLITION PLAN

1/8" = 1'-0"

DEMOLITION SHEETS FOR ADDITIONAL

LEVEL ONE DEMOLITION PLAN

DEMOLITION NOTES

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8. CONTRACTOR IS TO PROVIDE COMPLETE DUST PROOF ENCLOSURE IN ALL AREAS WHERE DEMOLITION IS TO OCCUR.

DAMAGED BY DEMOLITION ACTIVITIES.

FLOORS: REMOVE ALL DEBRIS, DUST AND DIRT. CLEAN WITH WATER AND DETERGENT. WHERE INDICATED, REMOVE FLOOR FINISH DOWN TO STRUCTURAL SLAB WHERE INDICATED. 10. WHERE EXISTING PLASTER AND CONCRETE WALLS AND COLUMNS ARE TO REMAIN: REMOVE ALL LOOSE AND PEELING PAINT BY SCRAPPING. REMOVE UNSTABLE PLASTER FROM INTERIOR FACE OF EXTERIOR WALL. STABLE PLASTER SHALL REMAIN. CLEAN WITH WATER AND DETERGENT.

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STRUCTURAL.

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20. PROVIDE CONSTRUCTION WASTE MANAGEMENT PLAN PRIOR TO THE START OF DEMOLITION. TARGET 50% RECYCLING OF CONSTRUCTION WASTE. REFER TO WSU OEHS PLAN FOR WASTE

21. ALL TOILETS LAVATORIES, URINALS, SHOWERS AND WALL-MOUNTED TOILET ROOM ACCESSORIES TO BE REMOVED WHERE INDICATED.

22. REMOVE ALL CEILINGS AND SUPPORT SYSTEMS COMPLETE

WHERE INDICATED.

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DEMOLITION LEGEND

CONTRACTOR.

REMOVE WALL COMPLETE EXISTING CONSTRUCTION TO REMAIN

REMOVE DOOR AND FRAME COMPLETE

EXISTING DOOR AND FRAME TO REMAIN REMOVE TOILET AND LAVATORY COMPLETE REMOVE WALL/FLOOR CERAMIC TILE COMPLETE AND PREPARE FLOOR AND WALLS

REMOVE EXISTING CONSTRUCTION AS NOTED

Wayne State University FP&M 5454 Cass Ave Detroit, MI 48202

313.577.2424 Contractor Rockford Construction

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Auerbach Glasow

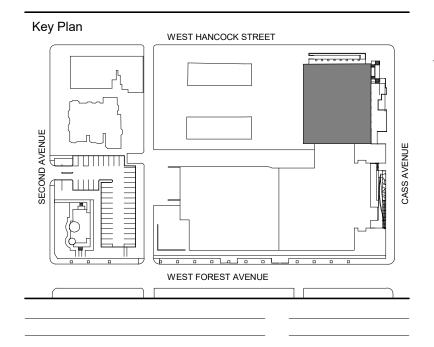
Jaffe Holden

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1045 Sansome Street, Suite 300 San Fransisco, CA 94111 415.392.7528

Acoustics / AV

DETROIT, MI



FEB. 16, 2024 BULLETIN 21 BP4 DOCK LIFT BULLETIN 20 BP4 2024-01-05 JAN. 5, 2024 BULLETIN 19 BP4 2023-09-29 SEPT. 29, 2023 BULLETIN 05- BP4 2020-10-02 OCT. 2, 2020 PERMIT SET JUNE 29, 2020

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

Drawing Title

LEVEL ONE **DEMOLITION PLAN**

Project Number: 2018034.00 Drawn By: Designer

Scale: As indicated

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415.392.7528 Acoustics / AV Jaffe Holden 114-A Washington Street Norwalk, CT 06864

DETROIT, MI

Key Plan WEST HANCOCK STREET WEST FOREST AVENUE

BULLETIN 21 BP4 DOCK LIFT FEB. 16, 2024

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578 VALADE LOADING

DOCK PLAN AND **SECTIONS**

Project Number: 2018034.00

Drawn By: Designer

Scale: As indicated



						DOOR AND	INTERIOR OP	ENING SCHEDU	JLE - VALADE	CENTER				
		SI	ZE		DOOR				FRAME					
NUMBER	RATING	WIDTH	HEIGHT	DOOR TYPE	MATERIAL	FINISH	FRAME TYPE	MATERIAL	FINISH	HEAD	JAMB	HARDWARE	GLASS TYPE	Comments
EXG BASEME	ENT 7		\^7	\										
0101		6' - 0"	7' - 0"	F	НМ	PT-29	WA	HM	PT-29			69.0		17, 19, 26
0102	45 MIN	3' - 6"	7' - 0"	F	HM	PT-20	WA	HM 🛆	PT-20			50.0		1, 2, 7, 8, 9, 10, 11
0110		3' - 0"	7' - 0"	E	WD	ST-1	WD1	WD 🗥	PT-20			67.0		14, 27
EXG GRADE		\sim	~~~~	~	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\\ \\ \\ \\ \\	, , , , ,		~~~~			~ \ <u> \</u>		, M. M.
(1190.22A		5' - 0"	7' - 0"	F	HM	PT-50	WA-R	HM	PT-50			102		
EXG LOBBY L		nnn	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~								1	4 ~ 4 ~		
1102	45 MIN	6' - 0"	7' - 0"	12P	WD	ST-1	WD1	WD	ST-1			40.0		17 💛
1103		3' - 0"	7' - 0"	12P	WD	ST-1	WD1	WD	ST-1			67.1		14, 24, 27
1105		2' - 10"	7' - 0"	12P	WD	ST-1	WD1	WD	ST-1			42.0		24
EXG VESTIBU	JLE 	7 1 6"	<u>/ </u>	<u> </u>	14/5	DT 0	14/4		57.0	T		00.0		47.40.00
1118		7' - 0"	7' - 0"	F	WD	PT-3	WA	HM	PT-3			39.0		17, 19, 26
1119		3' - 0"	7' - 0"	F	WD	ST-1	WD1	WD	ST-1			92.2		REUSE DOOR FROM 3190.20
9 1121		3' - 0"	7' - 0"	12P	WD	ST-1	WD1	WD	ST-1			67.1		
1123		2' - 8"	7' - 0"	12P	WD	ST-1	WD1	WD	ST-1			42.0		4 0 7 0 0
1128		3' - 0"	7' - 0"	2P	WD	ST-1	WD1	WD	ST-1			66.1		1, 2, 7, 8, 9
1128.1		3' - 0"	7' - 0"	2P	WD	ST-1	WD1	WD	ST-1			67.1 19		14 6
1190.18B		3' - 0"	7' - 0"	F	WD	ST-1	WD1	WD	PT-3/PT-20			25.0		1, 2, 7, 8, 9, 10, 11
1190.20	TE AT OTA OF	7' - 0"	8' - 0"	F	WD	PT-3	WA	HM	PT-3			78.0		1, 2, 3, 4, 5, 6, 17, 18, 19, 26
	TE AT STAGE		01 011	- FD	WD	OT 4	14/04	1A/D	OT 4	1	T	F0.4		6
1110		2' - 6"	6' - 8"	5P F	WD	ST-1	WD1	WD	ST-1			50.1		1, 2, 7, 8, 9, 10, 1/16
1190.19C 1190.21		6' - 0"	8' - 0"	F	WD	PT-3/PT-20 PT-3	WA	HM HM	PT-3/PT-20 PT-3			21.0		1, 2, 7, 8, 9, 10, 11, 17
VALADE STAC		6' - 0"	8' - 0"	F	WD	P1-3	WA	ПІИ	P1-3			78.0		1, 2, 3, 4, 5, 6, 17
	JE LEVEL	5' - 0"	6' - 8"	2P	WD	DT 2/DT 20	WA WA	HM	PT-3/PT-20	~ V Y	Υ Υ	78.0	√ γ γ 	1, 2, 3, 4, 5, 6, 17
(1190.22 EXG CROSS A	אפן ב י		0 - 0	ZP	WD .	PT-3/PT-20	VVA	→ □WI	λ λ	Ι	1 1	70.0		1, 2, 3, 4, 5, 0, 17
1113	NIONE /	3' - 0"	8' - 0"	F	WD C	ST-1	WA	HM	PT-20			57.0		16, 26
4440		3'-Q"	7'-0"	F	WD	SI-1	WA	HM		- 0	- 0			1, 2, 7, 8, 9, 10, 11, 18
1116	r m	3' - 0"	7' - 0"	2P.	WD	ST-1	WD1	HM	PT-20 ST-1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	43.1	$\sim\sim$	1,2,1,0,7,11,10
1190.06		6' - 0"	7' - 0"	F	WD	ST-1	WD1 WD1	HM	PT-3	m	······································	77.0		1, 2, 3, 4, 5, 6, 17
1190.00		2' - 10"	6' - 8"	F	WD	ST-1	WD1	WD	ST-1			53.0		1, 2, 3, 4, 5, 6
1190.14		6' - 0"	7' - 0"	F	WD	ST-1	WD1	HM	PT-3			77.0		1, 2, 3, 4, 5, 6, 17
1190.14		3' - 0"	7' - 0"	2P	WD	ST-1	WD1	HM	ST-1			82.1		1, 2, 3, 4, 5, 6, 34
1190.18A		3' - 0"	7' - 0"	2P	WD	ST-1	WD1	HM	ST-1			25.0		1, 2, 7, 8, 9, 10, 11
1190.19A		3' - 0"	7' - 0"	2P	WD	ST-1	WD1	HM	ST-1			25.0		1, 2, 7, 8, 9, 10, 11
1190.19B		6' - 0"	7' - 0"	F	HM	PT-20	WA-R	HM	PT-20			15.1		18, 19, 20.
UPPER LEVEL	(ST)	0 0	, ,		1 1111	1 1 20	***************************************	1 1141	1120			10.1		10, 10, 20.
3190.38	(01)	2' - 6"	7' - 0"	F	-	-	WD1	-	-			92.3		21, 23
3190.39		2' - 6"	7' - 0"	F	-	-	WD1	_	-			92.3		21, 23
EXG ORGAN I	LOFT											02.0		,
2126	-	3' - 0"	7' - 0"	F	WD	ST-1	WD1	HM	PT-20			51.1		1, 2, 7, 8, 9
2128		3' - 0"	7' - 0"	F	WD		WD1	HM	∧ PT-20			51.1		1, 2, 7, 8, 9
2128.1		2' - 8"	7' - 0"	F	WD	ST-1 6 ST-1	WD1	WD	6 ST-1			54.0		, , , , , , ,
EXG LEVEL T	WO			-	· · · · · · · · · · · · · · · · · · ·					1	1	<u> </u>	1	1
△ 2101		3' - 0"	7' - 0"	F	WD	PT-20	WD1	WD	PT-20			66.0		
EXG CATWAL	.K	· · · · · · · · · · · · · · · · · · ·		1	<u> </u>	<u> </u>	1			1	1	1	1	1
3190.21		3' - 0"	3' - 0"	F	WD	PT-3	WA	HM	PT-3			55.0		1, 2, 7, 8, 9, 10, 11, 33
3190.22		3' - 0"	3' - 0"	F	WD	PT-3	WA	HM	PT-3			55.0		1, 2, 7, 8, 9, 10, 11, 33
3100.22		3 3		<u>'</u>	110	1.0	**/ \	1 11111	1.0		I .			., _, ., 0, 0, 10, 11, 00

DOOR 1190.25B IS ELIMINATED FROM THE NEW WORK DOOR SCHEDULE AND IS EXISTING TO REMAIN.

DOORS 1123, 3190.20, 3190.30 ARE ELIMINATED FROM THE NEW WORK DOOR SCHEDULE AND IS EXISTING TO REMAIN. DOOR NUMBER 1130 WAS CHANGED TO DOOR NUMBER 1128.1

				EXI	STING DOOR	AND INTERIO	R OPENING SCH	IEDULE - VAL	ADE CENTER		
	SIZ	ZE		DOOR				FRAME			
NUMBER RATING	WIDTH	HEIGHT	DOOR TYPE	MATERIAL	FINISH	FRAME TYPE	MATERIAL	FINISH	HEAD	JAMB HARDWARE	GLASS TYPE Comments
EXG LINE OF BOILER RM											
0121 EXG BASEMENT	3' - 0"	7' - 0"	F	-	-	WD1	-	-		92.0	21, 23
0104 0105	2' - 4" 3' - 0"	7' - 0" 7' - 0"	F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
0106	2' - 6"	7' - 0"	F	-	-	WD1	-	-		92.0	21, 23
0107 0108	3' - 0" 2' - 6"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
0109 0111.01	2' - 6" 3' - 0"	7' - 0" 7' - 0"	F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
0111.02	2' - 6"	7' - 0"	F	-	-	WD1	-	-		92.0	21, 23
0112 0190.03A	2' - 4" 4' - 6"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
0190.03B 0190.03C	4' - 6" 4' - 6"	7' - 0" 7' - 0"	F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
0190.03D	4' - 6"	7' - 0"	F	-	-	WD1	-	-		92.0	21, 23
0190.07 0190.08	3' - 0" 3' - 0"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
0190.10A 0190.10B	3' - 0" 3' - 0"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
0190.10C	3' - 4"	7' - 0"	BF4	-	-	-	-	-		92.0	21, 23
0190.10D 0190.14	3' - 4" 3' - 0"	7' - 0" 7' - 0"	BF4 F	-	-	- WD1	-	-		92.0 92.0	21, 23 21, 23
0190.14A EXG LINE OF FAN ROOM	3' - 4"	7' - 0"	BF4	-	-	-	-	-		92.0	21, 23
0123	3' - 0"	4' - 0"	F	-	-	WD1	-	-		92.0	EXISTING STEEL FIRE DOOR
0124	3' - 0"	7' - 0"	F	-	-	WD1	-	-		92.0	TO ACCESS PLENUM SPACE. 21, 23
0126 0187.20B	3' - 0" 3' - 0"	7' - 0" 4' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
0187.20C	3' - 0"	4' - 0"	F F	-	-	WD1	-	-		92.0	21, 23
0187.20D 0187.20E	3' - 0" 3' - 0"	4' - 0" 4' - 0"	F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
0187.20F 0187.20G	3' - 0" 3' - 0"	4' - 0" 4' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
0187.20H	3' - 0"	4' - 0"	F	-	-	WD1	-	-		92.0	21, 23
0187.20I EXG PLENUM CHAMBER	3' - 0"	4' - 0"	F	-	-	WD1	-	-		92.0	21, 23
0187.20A 1137	2' - 6" 2' - 6"	7' - 0" 7' - 0"	F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
EXG GRADE			·							'	
1190.25A EXG BOH	5' - 4"	8' - 0"	F	WD	PT-23	WD1	WD	PT-23		92.3	21, 23
1108 1109	2' - 10" 3' - 0"	6' - 8" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.3 92.3	21, 23 21, 23
1111.1	3' - 0"	7' - 0"	F	-	-	WD1	-	-		92.3	21, 23
1111.02 1190.25C	2' - 6" 2' - 4"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.3 92.3	21, 23 21, 23
EXG LOBBY LEVEL	6' - 0"	8' - 0"								92.3	21, 23
1100.A 1101	6' - 0" 3' - 0"	7' - 6" 7' - 0"	F	-	-	WD1	-	-		93.0 67.1	18, 21, 23, 35
1104	2' - 10"	6' - 8"	F	- WD	- ST-1	WD1 WD1	- WD	- ST-1		94.0	14, 21, 23, 27 21, 23, 28
1107 1190.03B	3' - 0" 6' - 0"	7' - 0" 8' - 0"	F	-	-	WD1	-	-		92.3 92.3	21, 23 21, 23
1190.03D	6' - 0"	8' - 0"								92.3	21, 23
1190.03F 1190.09	6' - 0" 2' - 8"	8' - 0" 7' - 0"	F	-	-	WD1	-	-		95.0 92.3	21, 23, 25 21, 23
1190.10 1190.11	2' - 10" 2' - 10"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.3 92.3	21, 23 21, 23
1190.12	2' - 10"	6' - 8"	F	-	-	WD1	-	-		92.3	21, 23
1190.12.1 1190.22A	2' - 10" 6' - 0"	6' - 8" 8' - 0"	F	-	-	WD1	-	-		92.3 96.0	21, 23 12, 21, 23
EXG VESTIBULE 1111	3' - 0"	7' - 0"	2P	WD	ST-1	WD1	WD	ST-1		50.1	
1117	3' - 0"	7' - 0"	F	-	-	WD1	-	-		92.3	21, 23
1127 1127.1	2' - 8" 2' - 4"	7' - 0" 7' - 0"	F	-	-	WD1 WD1	-	-		92.2 92.1	7, 8, 9, 21, 23 21, 23
EXG STAIR LANDING 2190.05	5' - 2"	7' - 0"	F	-	-	WD1	-	-		92.0	21, 23
2190.15	5' - 2"	7' - 0"	F	-	-	WD1	-	-		92.0	21, 23
EXG FL LINE OF TOILET RM 2102	3' - 0"	7' - 0"	F	-	-	WD1	-	-		97.0	14, 21, 23
2107 LEVEL TWO	3' - 0"	7' - 0"	F	-	-	WD1	-	-		97.0	14, 21, 23
1131	3' - 0"	7' - 0"	F	-	-	WD1	-	-		98.0	21, 23, 28
EXG ORGAN LOFT 2122	2' - 10"	6' - 8"	F	-	-	WD1	-	-		92.0	21, 23
2123.01 2123.02	2' - 8" 2' - 8"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.4 92.4 — 19	7, 8, 9, 21, 23 7, 8, 9, 21, 23
2124.01	2' - 8"	7' - 0"	F	-	-	WD1	-	-		92.4	7, 8, 9, 21, 23
2124.02 2127.01	2' - 10" 3' - 0"	6' - 8" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.4 101.0	7, 8, 9, 21, 23 7, 8, 9, 21, 23
2190.22 EXG LEVEL TWO	2' - 8"	7' - 0"	F	-	-	WD1	-	-		92.0	21, 23
2100.01	3' - 0"	7' - 0"	F	-	-	WD1	-	-		200	04.00
2100.02 2105.01	3' - 0" 4' - 4"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0	21, 23 21, 23
2105.02 2109	4' - 4" 2' - 10"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1		-		92.0 92.0	21, 23 21, 23
2110 EXG LINE OF FAN RM	3' - 0"	7' - 0"	F	-	-	WD1	-	-		98.0	21, 23, 28

3123.A 3123.B 3134

DOOR SCHEDULE COMMENTS

GENERAL: ALL NEW DOORS TO HAVE DOOR SILENCERS UNLESS NOTED OTHERWISE.

SOLID CORE WOOD DOOR

METAL FRAME PACKED WITH INSULATION.

SELF-ADHESIVE WEATHER-STRIPPING APPLIED TO THE HEAD AND JAMBS OF THE DOOR FRAME.

DOOR UNDERCUT SHOULD BE LIMITED TO 3/8 INCH FOR ACOUSTICAL REASONS. NO ACOUSTICAL TREATMENT AT THE ASTRIGAL IS

REQUIRED.

HEAD AND JAMBS OF THE DOOR FRAME.

HEAVY DUTY ADJUSTABLE GASKETS APPLIED TO THE

NO DOOR LATCH FOR ACOUSTICAL REASONS.

HEAVY DUTY AUTOMATIC DOOR BOTTOM SEAL,

HARD, NON-CARPETED THRESHOLD. SEE FINISH

SURFACE MOUNTED.

PLANS.

SURFACE MOUTNED ASTRAGAL SEALS.

11. DOORS TO LATCH FOR PROPER OPERATIONS OF

12. CARD READER - HARD WIRED SOLUTION

13. AUTOMATIC OPERATOR (ONE LEAF)

ACOUSTICAL SEALS.

14. FOOT OPERATED DOOR OPENER.

15. EXISTING DOOR LEAF.

SELF-CLOSING.

17. NO CENTER MULLION.

18. SMOKE / SOUND SEAL GASKET.

19. 180 DEGREE DOOR SWING.

REMOVEABLE CENTER MULLION.

21. EXISTING DOOR, EXISTING FRAME. MAGNETIC LOCK, PUSH TO EXIT AND OVERRIDE

SWITCHES ARE UNDER 11 61 35 WORK. COORDINATE WITH PIT LIFT CONTRACTOR. 23. NEW DOOR HARDWARE CORES, ALL OTHER EXISTING

DOOR HARDWARE TO REMAIN. (U.N.O.) 24. DOOR STAINED TO MATCH EXISTING LOBBY DOORS.

WOOD FRAMING CASING TO MATCH EXISTING.

PROVIDE NEW PNEUMATICS FOR EXISTING DOOR OPERATOR. REF: ELECTRICAL DRAWINGS.

26. HOLD-OPEN.

27. OCCUPANCY INDICATOR

28. CARD READER - WSU ONE CARD

29. MECHANICAL BYPASS - KEY AND CARD.

NON-STC RATED, INTERNALLY INSULATED ASSEMBLY WITH WEATHER TIGHT CLOSURE.

31. DOOR SWITCH MONITOR. DOOR TO BE MONITORED BY WSU POLICE ALARM SYSTEM.

32. ONE ACTIVE LEAF, FLUSH BOLT ON OTHER LEAF.

33. V.I.F. DOOR OPENING PER EXISTING WALL OPENING. HEAVY DUTY DOOR HINGE.

PROVIDE NEW PULL AND PUSH PLATES ON EXISTING

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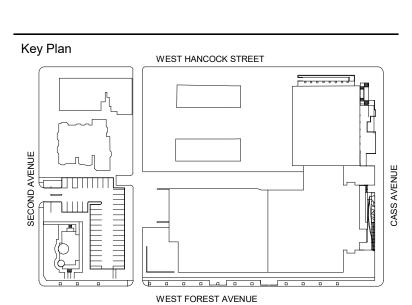
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DETROIT, MI

Contractor



BULLETIN 06- BP4 2020-11-06 BULLETIN 05- BP4 2020-10-02 PERMIT SET

BULLETIN 21 BP4 DOCK LIFT

BULLETIN 19 BP4 2023-09-29 BULLETIN 07 - BP4 2021-04-16

> NOV. 6, 2020 OCT. 2, 2020 JUNE 29, 2020

FEB. 16, 2024 SEPT. 29, 2023

APRIL 16, 2021

WSU - GATEWAY

THEATER COMPLEX WSU PROJECT NO. 189-178578

DOOR SCHEDULE -VALADE

Project Number: 2018034.00



			FLOO	R	110		VALLS	CHEDU	CEILIN	IG	CASE	EWORK	
ROOM NUMBER	AREA	ROOM NAME	FINISH	BASE	NORTH	EAST	SOUTH	WEST	MATL	FINISH	CABINET	COUNTERTO	NOTES
0100	2,219 SF	DEE DEE BRIDGEWATER'S	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	CADINET	Г	NOTES
0101	105 SF	JAZZ UNDERGROUND PIANO STORAGE	EXIST.	RB-4	PT-29	PT-29	PT-29	PT-29	ACT-1	ACT-1			PAINT BOTH SIDES OF WALL
0102	53 SF	ELECTRICAL ROOM	NOTE 1	RB-4/PT-	PT-20	PT-20	PT-20	PT-20	EXPOSED	PT-20			PT-29 WITH RB-4
0103	895 SF	STORAGE/GREEN ROOM	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.			
0104	8 SF 144 SF	JAN. DRESSING ROOM	EXIST.	PT-3	PT-20	PT-20	PT-20	PT-20	EXIST.	PT-20			
0105 0106	56 SF	MENS	N.I.C. N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C. N.I.C	N.I.C. PT-20			
0107 0108	149 SF 63 SF	DRESSING ROOM WOMENS	N.I.C. N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C. PT-20			
0109 0110	58 SF 44 SF	STORAGE ACCESSIBLE RESTROOM	N.I.C.	N.I.C. CTB-20	N.I.C. PT-26	N.I.C. CTW-20/C	N.I.C.	N.I.C. PT-26	N.I.C. ACT-1	N.I.C.			
			CTF-20			TW-21		-		ACT-1			
0111 0112	61 SF 81 SF	OFFICE CONTROL ROOM	N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C.			
0113 0119	388 SF 147 SF	MAIN ELECT. MAINTENANCE	N.I.C. N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C. N.I.C.	N.I.C.			
0121	263 SF	BOILER ROOM	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.			
0123 0124	513 SF 74 SF	MECH. ROOM FIRE RM	N.I.C. N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C.			
0125 0126	805 SF 81 SF	MECH. ROOM MECH. ROOM	N.I.C. N.I.C.	N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C.			
0190.03 0190.04	71 SF 555 SF	VESTIBULE LOBBY	NOTE 5 CPT-20	RB-4 RB-4/PT-	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	EXIST. ACT-1	PT-20 ACT-1	13		
				3									
0190.07 0190.08	42 SF 331 SF	CORRIDOR CORRIDOR	N.I.C. N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C.	N.I.C. N.I.C.	N.I.C.			
0190.10 0190.12	185 SF 64 SF	STAIR C CORRIDOR	NOTE 1 N.I.C.	PT-24 N.I.C.	PT-20 N.I.C.	PT-20 N.I.C.	PT-20 N.I.C.	PT-20 N.I.C.	EXIST. N.I.C.	PT-20 N.I.C.			
0190.14	282 SF	CORRIDOR	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.			
0190.25 0235	68 SF 399 SF	STAIR E ORCH PIT	PT-27 WDF-3	PT-29 RB-3	PT-20 PT-3	PT-20 PT-3	PT-20 PT-3	PT-20 PT-3	EXIST. EXP / AST-2A	PT-20 EXP/PT-			
					_					3/AST-2 A			
0238	761 SF	STORAGE	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT- 1	_	_	
0240	942 SF	TRAP ROOM	CONC FIN -2	RB-3	PT-3	PT-3	PT-3	PT-3	EXP	EXP/PT-			
0242	540 SF	STORAGE	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-			
0244	241 SF	ARBOR PIT	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	N/A	N/A			
0290.05	212 SF	STAIR G	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-			
0290.06	65 SF	SLL	CPT-1	RB-1	AST-1/P T-3	PT-3	PT-3	PT-3	ACT-2	ACT-2			
0290.17 0290.18	44 SF 78 SF	PIT ACCESS 6	CPT-1 STAINLESS	RB-1	PT-3	PT-3 STAINLE	AST-1/PT-3	PT-3 STAINLESS	ACT-2 STAINLESS	ACT-2 STAINLE			
				SS	SS	SS	S			SS			
0290.19	239 SF	STAIR I	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXPOSED	EXP/PT-			
0290.20	717 SF	CORRIDOR	CONC FIN-2	³ RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-			
0290.21	587 SF	CORRIDOR	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-			
0301	392 SF	FIRE PUMP ROOM	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXPOSED	EXP/PT-			
0302	699 SF	ELECTRICAL ROOM	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-			
0303	139 SF	ELEV EQUIP	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXPOSED	EXP/PT-			
0387.01	249 SF	MECHANICAL PLENUM	-	-	-	-	-	-	-	-			
0387.02 1100	24 SF 3,600 SF	MECHANICAL PLENUM LOBBY	- NOTE 1 & 3	- NOTE 6	- PT-20/PT	- PT-20/PT-	- PT-20/PT-2	- PT-20/PT-23	- EXIST.	- PT-21			
					-23/PT-2 4	23/PT-24	4	/PT-24					
1101	55 SF	REST ROOM	NOTE 1	NOTE 1	PT-26	CTW-20/C TW-21	PT-26	PT-26	EXIST.	PT-25			
1102	30 SF	ELEV. MACH. RM	EXIST	RB-4	PT-20	PT-20	PT-20	PT-20	EXIST.	PT-20			
1103	66 SF		1 111 111		DT 00	0714 0010		PT-26	GYP	PT-25			
		ACCESSIBLE RESTROOM	CTF-10	CTB-10	PT-26	CTW-20/C TW-21							
1104 1105	84 SF 12 SF	BOX OFFICE JC	EXIST. NOTE 1	PT-24 RB-4	PT-26 PT-20 PT-20		PT-26 PT-20 PT-20	PT-20 PT-20	EXIST. GYP	PT-20 PT-20			
1105 1106	12 SF 410 SF	BOX OFFICE JC OFFICE	EXIST. NOTE 1 EXIST.	PT-24 RB-4 PT-24	PT-20 PT-20 PT-20	TW-21 PT-20 PT-20 PT-20	PT-20 PT-20 PT-20	PT-20 PT-20 PT-20	GYP EXIST.	PT-20 PT-20			
1105 1106 1107 1108	12 SF 410 SF 83 SF 55 SF	BOX OFFICE JC OFFICE COAT ROOM MECH	EXIST. NOTE 1 EXIST. EXIST. EXIST.	PT-24 RB-4 PT-24 PT-24 PT-24	PT-20 PT-20 PT-20 PT-20 PT-20	TW-21 PT-20 PT-20 PT-20 PT-20 PT-20	PT-20 PT-20 PT-20 PT-20 PT-20	PT-20 PT-20 PT-20 PT-20 PT-20	GYP EXIST. EXIST. EXIST.	PT-20 PT-20 PT-20 PT-20			
1105 1106 1107	12 SF 410 SF 83 SF	BOX OFFICE JC OFFICE COAT ROOM	EXIST. NOTE 1 EXIST. EXIST.	PT-24 RB-4 PT-24 PT-24	PT-20 PT-20 PT-20 PT-20	TW-21 PT-20 PT-20 PT-20 PT-20	PT-20 PT-20 PT-20 PT-20	PT-20 PT-20 PT-20 PT-20	GYP EXIST. EXIST.	PT-20 PT-20 PT-20 PT-20 PT-20 SEE			
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					RO	OM FI	NISH S	CHEDU	LE				
			FLOOF	₹		V	VALLS		CEILIN	G	CASE	WORK	
ROOM NUMBER	AREA	ROOM NAME	FINISH	BASE	NORTH	EAST	SOUTH	WEST	MATL	FINISH	CABINET	COUNTERTO	NOTES
1190.23	115 SF	CORRIDOR	CPT-20	RB-4	PT-20	PT-20	PT-20	PT-20	EXIST.	PT-20	ONDINET	'	NOTEO
1190.24	325 SF	CORRIDOR	- V	RB-4	PT-20	PT-20	PT-20	PT-20	ACT-1	ACT-1			
1190.25	181 SF	STAIR E	PT-27	PT-28	PT-20	PT-20	PT-20	PT-20	EXIST.	PT-20			
1190.26	65 SF	STAIR D	NOTE 1	PT-24	PT-20	PT-20	PT-20	PT-20	EXIST.	PT-20			
1200	2,551 SF	LOBBY (CIRCULATION)	CONC FIN-2	SEE	-	-	-	-	-	SEE			
1200.01	646 SF	LOBBY SEATING 6	CONC FIN-2	ELEV. SEE	_	_		_		RCP'S SEE			
1200.01	040 31	LODDI SLATING	S COINC I IIN-2	ELEV.	_	-	_	-	-	RCP'S			
1201	283 SF	CAFE	CONC FIN -2	-	PT-1	PT-1	PT-1	PT-1	EXP	UNIFNIS HED			
1202	341 SF	STORAGE	CONC FIN-2	RB-3	AWT/AW P	AWT/AW P	AWT/AWP	AWT/AWP	AWT/AWP	EXP/PT-			
1203	194 SF	COATS	CONC FIN-2	RB-3	AWT/AW	AWT/AW P	AWT/AWP	AWT/AWP	ACT-1	ACT-1			
1205	86 SF	BUILDING MANAGER	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	ACT-1	ACT-1			
1207	253 SF	OFFICE MEN	CTF-1/CTF-5	CTB-1	CTW-1/C TW-5	CTW-1	CTW-1/CT W-5	CTW-1	GYP	GYP/PT-			
1209	48 SF	TOILET	CTF-5	CTB-1	PT-1	PT-1	PT-1	CTW-1	GYP	GYP/PT-			
1210	108 SF	PIANO STORAGE	CONC FIN-2	RB-4	PT-20	PT-20	PT-20	PT-20	PT-20	GYP / PT-20			
1213	457 SF	WOMEN	CTF-1/CTF-5	CTB-1	CTW-1/C TW-5	CTW-1	CTW-1/CT W-5	CTW-1	GYP	GYP/PT-			
1214	41 SF	SLL	CPT-20	RB-4	PT-3/AS T-1	PT-3	PT-3	PT-3	ACT-2	ACT-2			
1215	48 SF	TOILET	CTF-5	CTB-1	PT-1	CTW-1	PT-1	PT-1	GYP	GYP/PT-			
1217	110 SF	JANITOR	CONC FIN-2	RB-3	PT-13	PT-13/FR P-1	PT-13	PT-13	EXP	EXP/PT-			
1218	72 SF	AV RACK ROOM	CONC FIN-2	RB-4	PT-20	PT-20	PT-20	PT-20	ACT-1	ACT-1			
1220	408 SF	PROSCENIUM THEATER ENTRY	CONC FIN-2	SEE ELEV.	-	-	-	-	-	SEE RCP'S			
1221	110 SF	MDF	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXPOSED	EXP/PT-			
1222	464 SF	BOX OFFICE	CPT-2	RB-3	PT-1	PT-1	PT-1	PT-1	ACT-1	ACT-1			
1223	48 SF	ELECTRICAL	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-			
1224	17 SF	MACH.	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-			
1225	424 SF	STORAGE	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	ACT-1	ACT-1			
1227	3,308 SF	BLACK BOX THEATER	WDF-1	SEE ELEV.		PT-3/AST- 2A	PT-3/AST-2 A	PT-3/AST-2 A	EXP	EXP/PT- 3/AST-1			DANCE FLOORING, ACOUSTIC WALL TREATMENT
1230	3,955 SF	AUDIENCE CHAMBER	SEE ENLARGED PLANS	SEE ELEV.	-	-	-	-	MIXED - SEE NOTES	SEE RCP'S			
1233	70 SF	STORAGE	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-			
1235	1,828 SF	BOH STORAGE	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-			
1237	65 SF	TOILET	CTF-5	CTB-1	PT-1	PT-1	CTW-2	PT-1	GYP	GYP/PT- 1			
1239	62 SF	TOILET	CTF-5	CTB-1	PT-1	PT-1	CTW-2	PT-1	GYP	GYP/PT- 1			
1240	3,208 SF	STAGEHOUSE	WDF-3	SEE DETAIL 2/7.5.1	PT-3	PT-3	PT-3	PT-3	EXPOSED	EXP/PT-			
1290.01	111 SF	VESTIBULE	CPT-22	MP	PT		PT			MP			
	543 SF	HOUSE RIGHT CORRIDOR	CPT	WD	AWT/AW P	Р	AWT/AWP	AWT/AWP	AWT/AWP	AWT/AW P			
	24 SF	CORRIDOR	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-			
1290.04	83 SF	GALL/CRTL ACCESS - STAIR F	CONC FIN-2	RB-3	PT-3/AS T-1	PT-3	PT-3	PT-3	PT-1	PT-3/EX			
1290.05	253 SF	SLL/STAIR G	CPT-1	RB-3	PT-3/AS T-1	PT-3	PT-3	PT-3	ACT-2	ACT-2			
1290.07 1290.08	113 SF 649 SF	SLL CORRIDOR	CPT-1 CONC FIN-2	RB-3	PT-3 PT-3	PT-3 PT-3	PT-3 PT-3	PT-3 PT-3	ACT-2 GYP	ACT-2 GYP/PT- 3			

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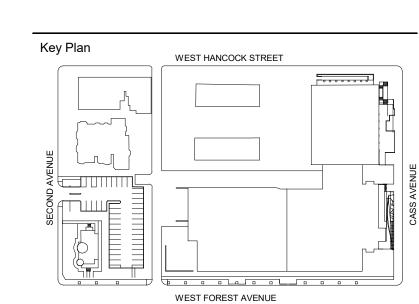
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DETROIT, MI



BULLETIN 21 BP4 DOCK LIFT	FEB. 16, 2024
BULLETIN 19 BP4 2023-09-29	SEPT. 29, 2023
BULLETIN 13 BP4 2021-08-13	Date 21
BULLETIN 06- BP4 2020-11-06	NOV. 6, 2020
PERMIT SET	JUNE 29, 2020

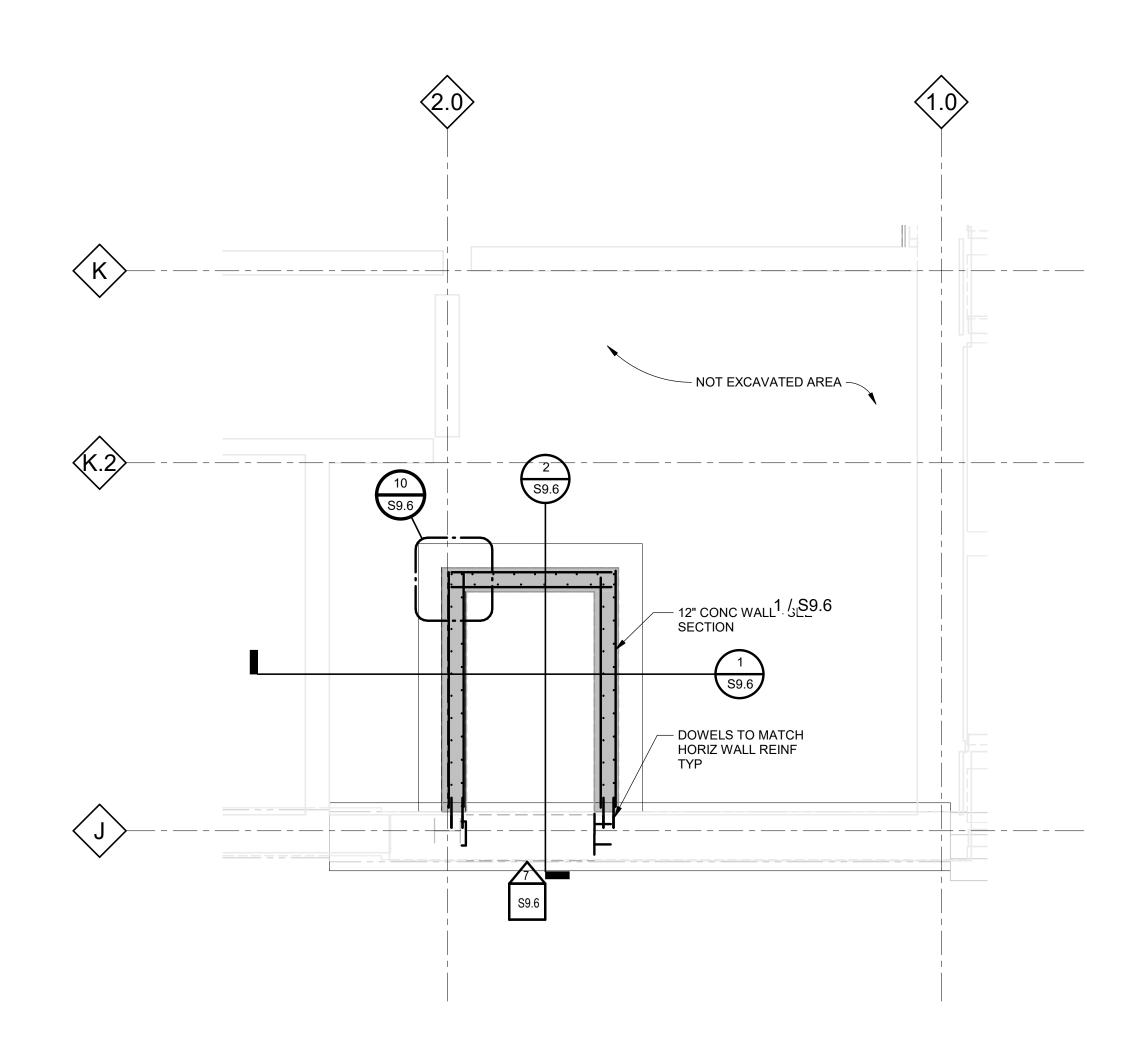
WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

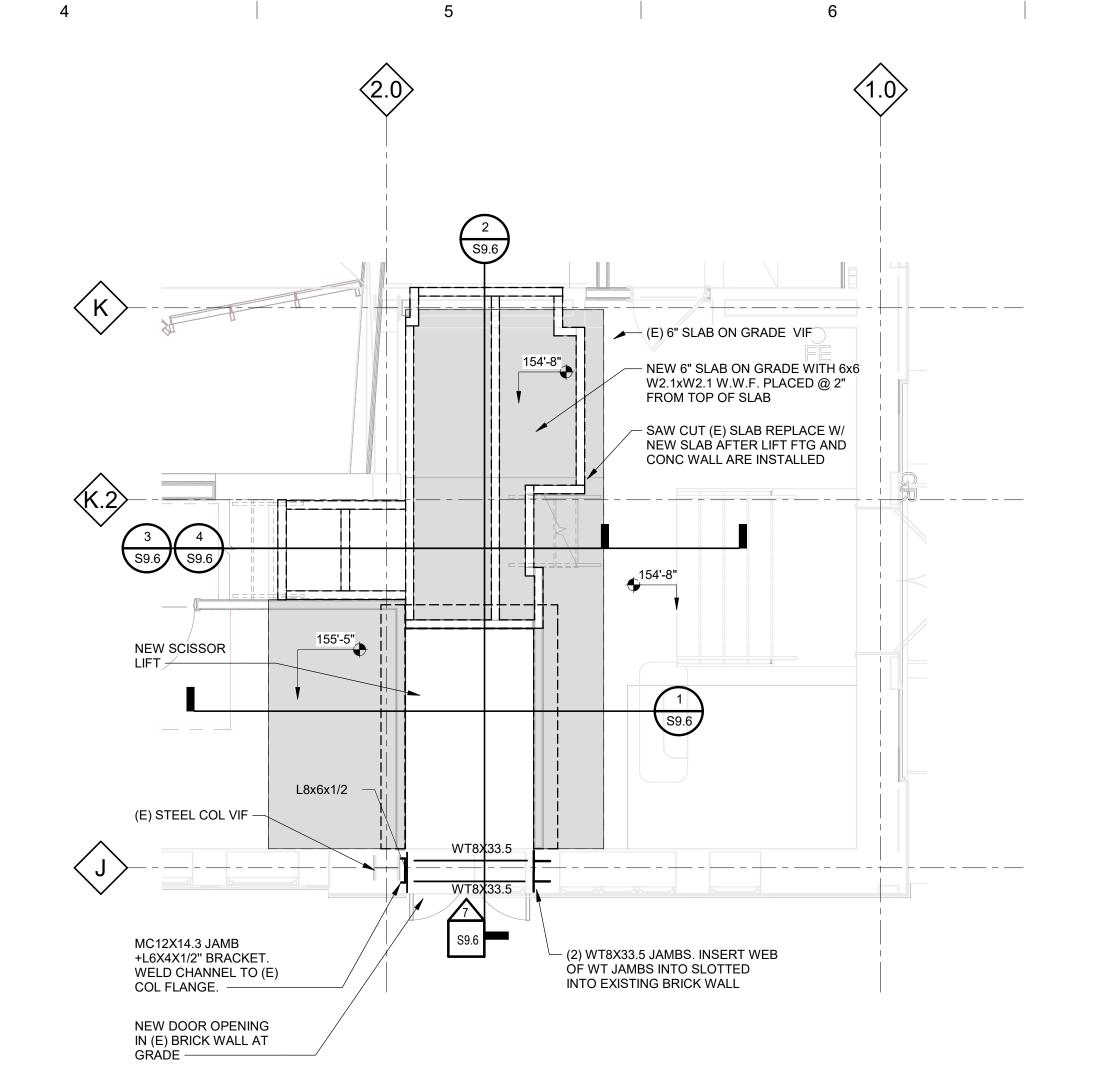
ROOM FINISH SCHEDULE

Project Number: 2018034.00

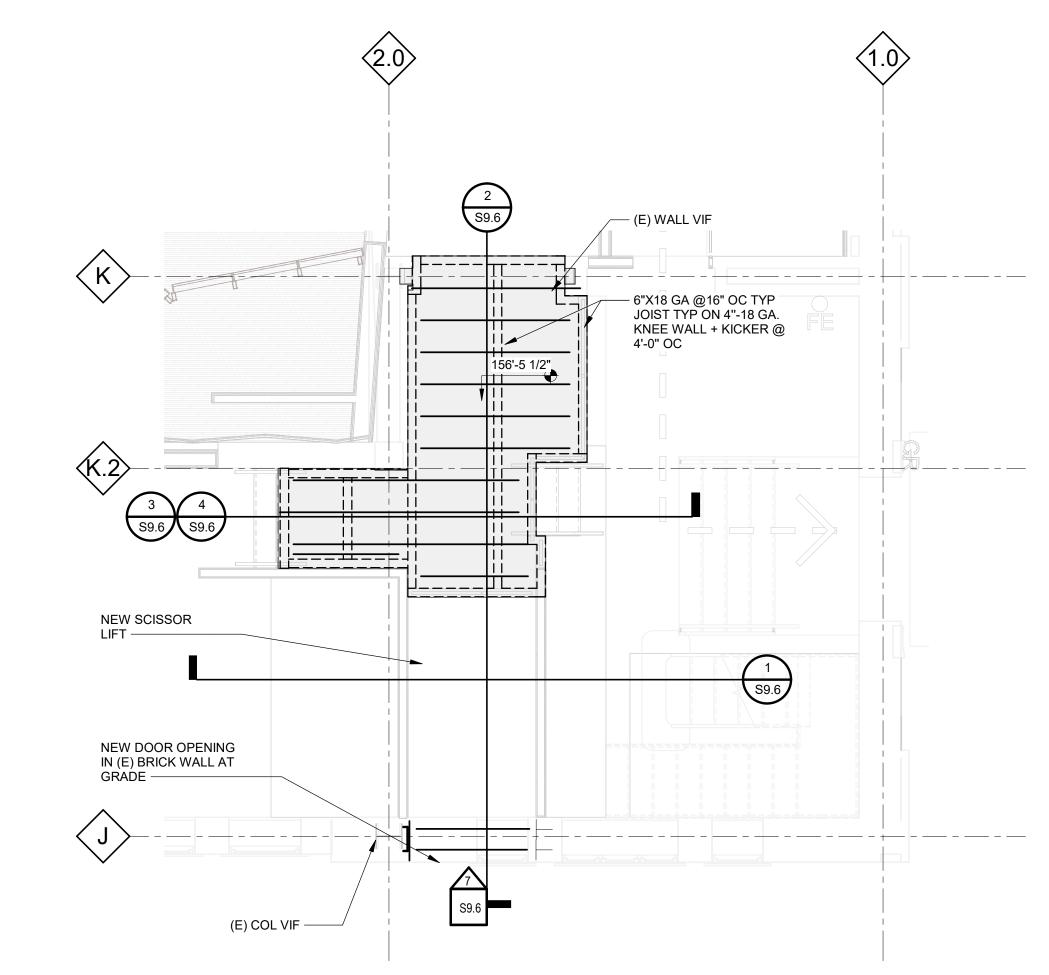














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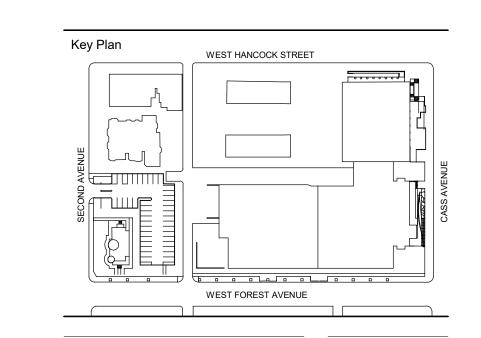
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BULLETIN 21 BP4 DOCK LIFT

WSU - GATEWAY THEATER COMPLEX WSU PROJECT NO. 189-178578

Drawing Title ENLARGED PLANS

Project Number: 3995-001-00



Drawing No: S9.5



- SHORE EXISTING BRICK PRIOR TO CUTTING NEW OPENING.

(2) WT8X33.5. STITCH WELD IN

DEMO (E) WALL FOR NEW

DOOR OPENING AFTER

INSTALLATION OF NEW

— WT JAMB- SEE PLAN

4" EMBED MIN

EXG GRADE

- NEW CONC FILL

— (E) CONC WALL VIF

— PL3/8" STEEL BASE PLATE

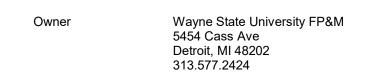
---- 3/8" BASE PLATE WITH (3)1/2"∅

HIT- Z ROD+HILTI HY 200 EPOXY

VALADE STAGE

THE FIELD

LEVEL 156'-5 1/2"



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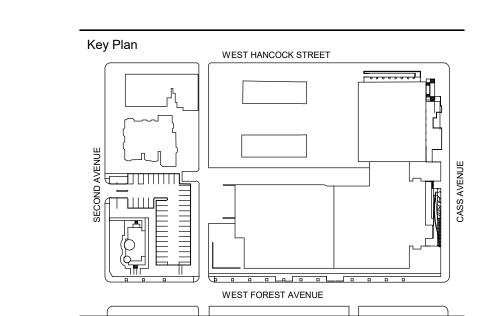
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BULLETIN 21 BP4 DOCK LIFT FEB. 16, 2024

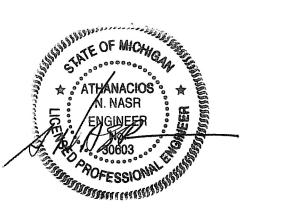
WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578 SECTIONS AND **DETAILS**

Project Number: 3995-001-00

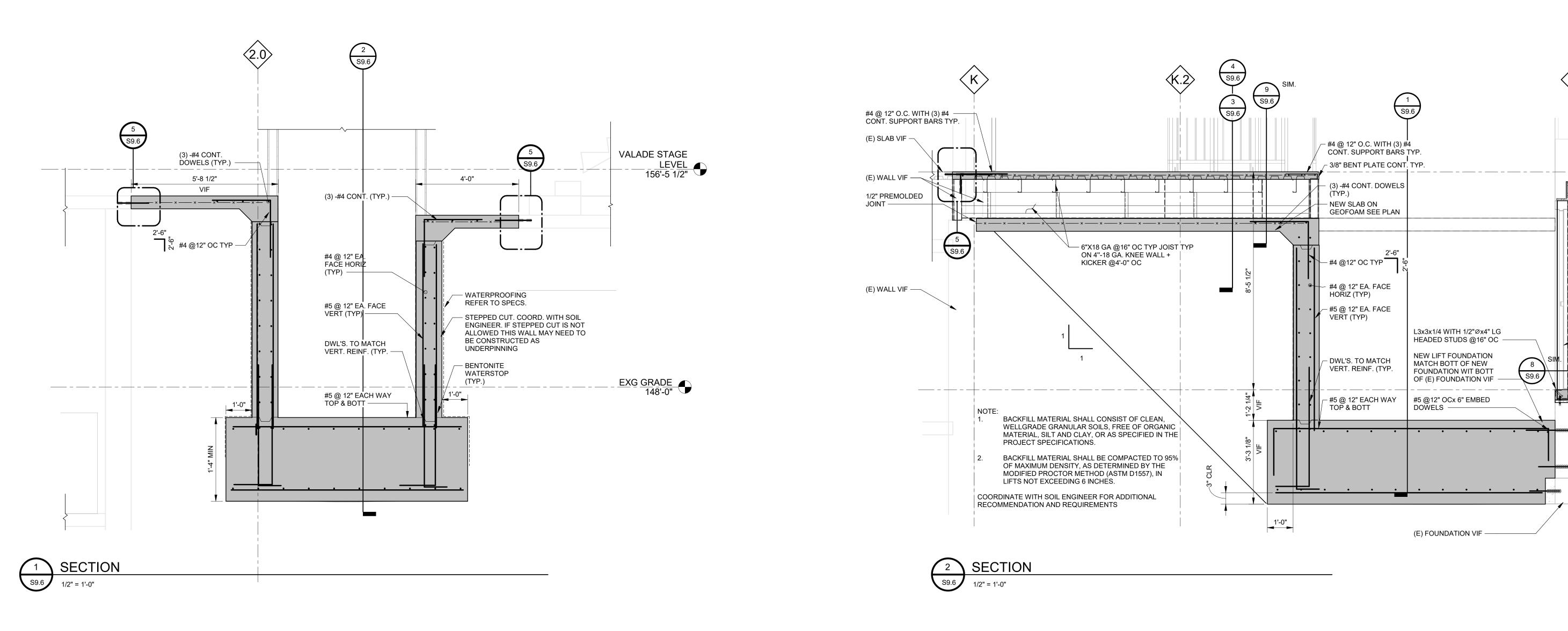
Drawn By: Designer

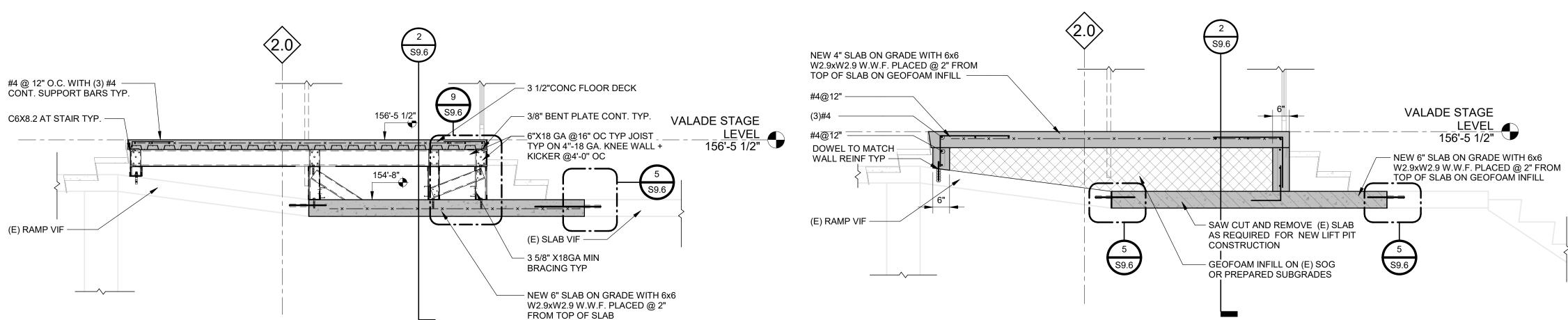
Scale: As indicated



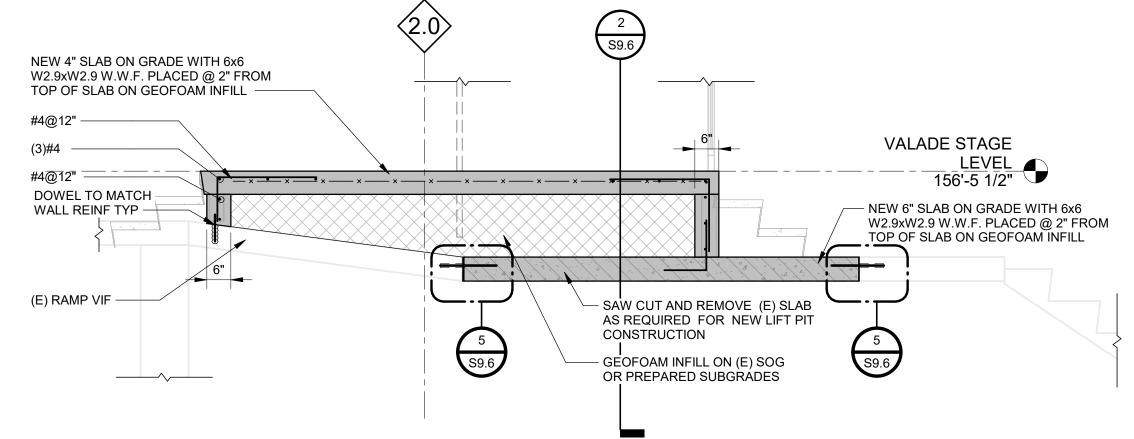
Drawing No:

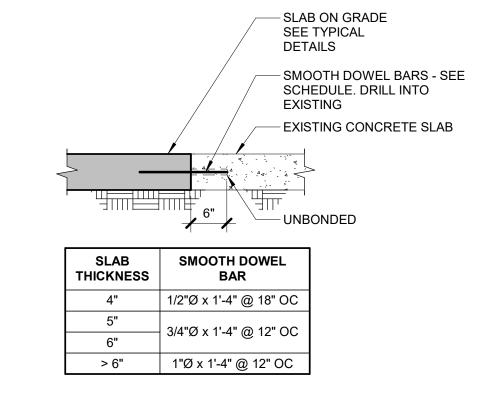
S9.6





- NEW OPENING - SEE





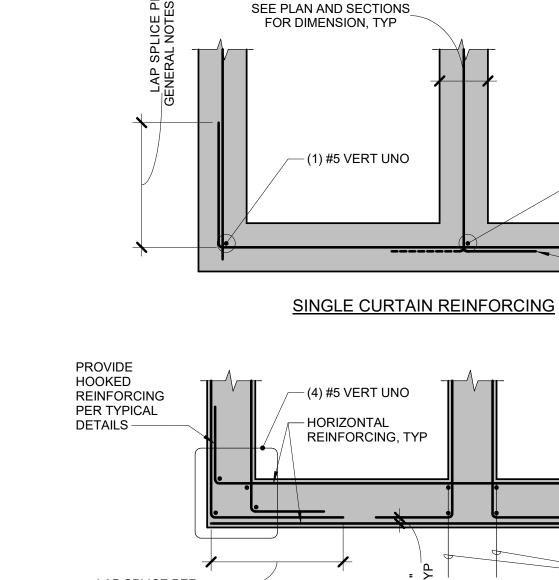
NEW TO EXISTING SLAB DETAIL

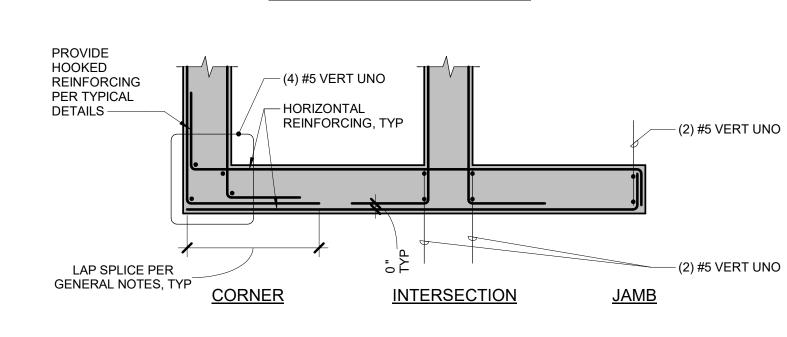
-(1) #5 VERT UNO

- (2) #5 VERT UNO

—— ALTERNATE



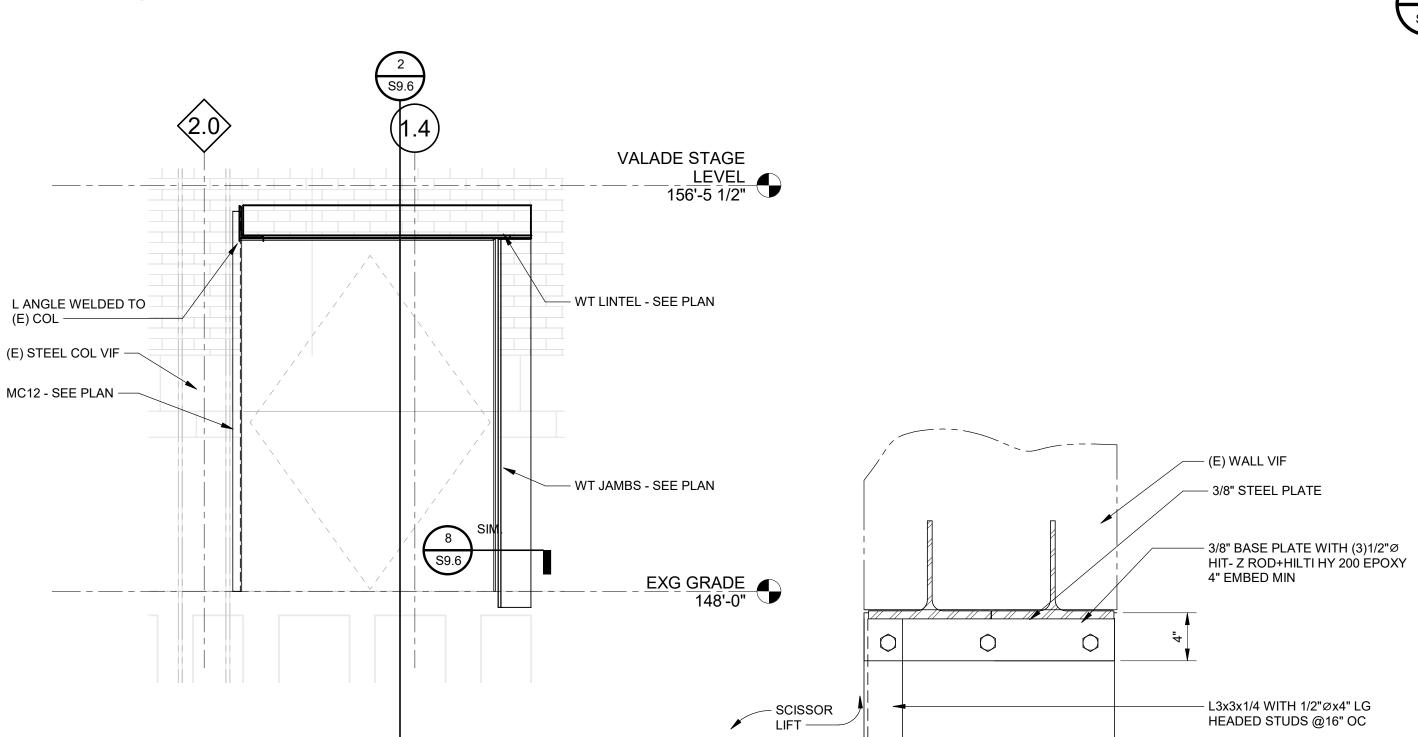




S9.6

3/4" = 1'-0"

DOUBLE CURTAIN REINFORCING 10 WALL CORNER BAR DETAILS \$9.6 3/4" = 1'-0"

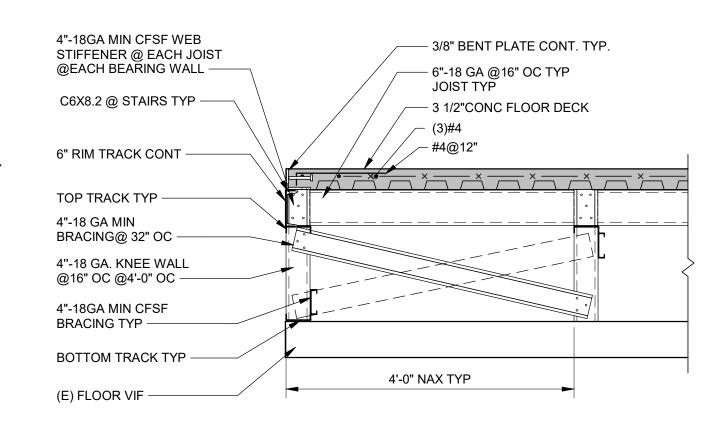


8 BASE PLATE DETAIL

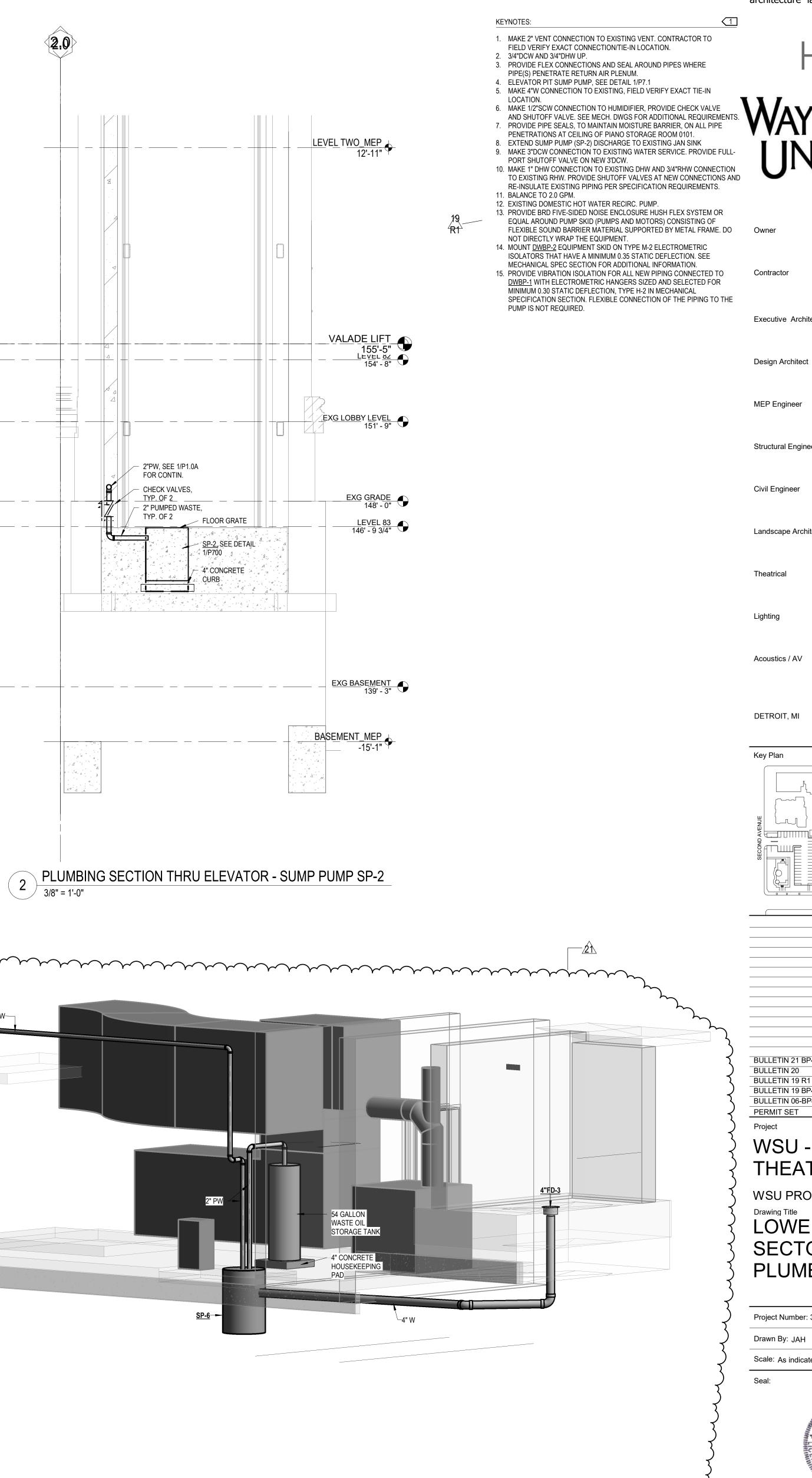
3 SECTION

7 NEW DOOR ELEVATION

S9.6 1/2" = 1'-0"



9 SECTION DETAIL \$9.6 3/4" = 1'-0"



2"PW, SEE 1/P1.0A

FOR CONTIN.

<u>TYP. O</u>F 2

TYP. OF 2

CHECK VALVES,

2" PUMPED WASTE,

FLOOR GRATE

4" CONCRETE

CURB

<1.0>

SP-2 4 4"W UP/DN

EX-FCO

2" PW

3/4" DHW

_ = = = | = | 'n <u>P-1B</u> 4"F00

1/2" SCW UP TO

HUMIDIFIER IN PIANO STORAGE RM ON LEVEL 1

4"FD-3

─ 4"W UNDERSLAB,

SLOPE @ 1/8"/FT

3/4"DHW,

1/2"RHW

_o

■ EX-FCO

ALL THESE PLUMBING

FIXTURES ARE EXISTING TO REMAIN

└── 4" SAFEWASTE

LOADING DOCK LIFT SUMP PUMP SYSTEM SP-6

■ EX-4"W STACK

NO WORK

L________

0190.04 =

■ INSTALL PIPING ABOVE

NEW FINISHED CEILING,

SEE ARCH. DWGS FOR

MORE INFORMATION

1/2" SCW---

DOM WATER

AV RACK

ROOM 1218

> PIANO STORAGE

> > 3

1" DHW

SERVICE W/RPZ ASSEMBLY

1/2"DHW- =

└─ 1 1/2"W UP

STORAGE/GREEN

ROOM

0103

ROOM

MAKE 3/4" NON-POTABLE SOFT COLD WATER CONNECTION TO

EXISTING NON-POTABLE

√11 3/4" SCW

COLD WATER

2"W UP +

1/2" SCW 3" DCW

1/2" DHW 3/4" DRHW

MAIN ELECT.
0113

3" NAT. GAS SUPPLY CONNECTED TO EXISTING

HEADER IN BOILER ROOM

3" NAT. GAS SUPPLY

BLOW-DOWN

SEPARATOR

STORAGE TANKS | FIELD VERIFY LOCATION

EXISTING DHW & RHW,

1" EX-SCW

HOT WATER

LOWER LEVEL PLAN - SECTOR A - PLUMBING

PROVIDE 2" DEEP NON-METALIC DRAIN

WATER SENSOR IN PAN, WIRED TO BAS

INSTALL NEW DOM WATER PIPING TIGHT AS

STRUCTURE/CEILING, INSULATE AND PAINT

PAN BELOW PLUMBING PIPE WITH

POSSIBLE TO UNDERSIDE OF

(L.6)

RE-LOCATED — NAT. GAS METER BY DTE GAS

3" NAT. GAS SUPPLY TO BOILER ROOM,

COMPLETED

EXISTING WATER - SOFTENER

1/8" = 1'-0"

BLACK ALL PIPING

FOR MONITORING

STORAGE 4"W UP [-

4"W-UP 4" W

- MAKE 4"W CONNECTION

FIELD VERIFY EXACT

P 49 4

DEE DEE BRIDGEWATER'S

JAZZ

0100

FFE: 1/46'-9"

CONTROL ROOM 0112

EXISTING FIRE SERVICE 34 GALLON **BUFFER TANK**

/ /2 1/2" DCW-/

3"DCW —

EXISTING FIRE

SERVICE

OIL WASTE STORAGE TANK (18" DIA. X 54" HIGH).

INSTALL ON 4"

- 4" SAFEWASTE, SEE

7/P7.0 DETAIL

CONCRETE PAD

UNDERGROUND

TO EXISTING WASTE,

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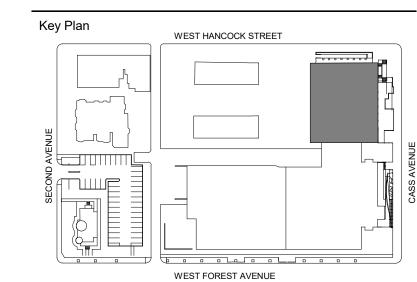
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DETROIT, MI



BULLETIN 21 BP4 DOCKLIFT FEB. 16, 2024 JAN. 5, 2024 BULLETIN 19 R1 BP4 2023-10-25 Oct. 25, 2023 BULLETIN 19 BP4 2023-09-29 SEPT 29, 2023 BULLETIN 06-BP4 2020-10-0 NOV. 6, 2020 JUNE 29, 2020

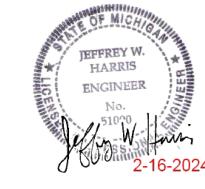
WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

LOWER LEVEL PLAN -SECTOR A -**PLUMBING**

Project Number: 3995-001-00

Scale: As indicated



P1.0A

	FLOOR SINK SCHEDULE (FS)												
	FLC	OOR SINK BOD	Y	STRAINER	R GRATE	TRAP	FLANGE W/	OUTLET	BASIS OF D	ESIGN			
UNIT TAG	MATERIAL	SIZE (IN.)	DEPTH	MATERIAL	MATERIAL	MATERIAL	WEEPHOLES	SIZE (IN.)	MANUFACTURER MODEL		COMMENTS		
4"FS-1	CAST IRON	12" x 12"	6"	ALUMINUM	NIKALOY	CAST IRON	YES	SEE PLANS	ZURN	Z1900	PROVIDE WITH 1/2 GRATE		

	FLOOR DRAIN SCHEDULE (FD)													
	FLO	OOR DRAIN BO	DY		STRAINE	R				ESIGN				
UNIT TAG	MATERIAL	SHAPE	OUTLET	SIZE (IN.)	MATERIAL	FINISH	SQ. IN. OPENING	TRAP MATERIAL	BWV	MANUFACTURER	MODEL	COMMENTS		
2"FD-1	CAST IRON	ROUND	BOTTOM	SEE PLANS	NICKEL BRONZE	POLISHED	12"	CAST IRON	NO	ZURN	Z415B			
4"FD-2	CAST IRON	ROUND	BOTTOM	SEE PLANS	CAST IRON	ROUGH	20"	CAST IRON	NO	ZURN	Z1731			
4"FD-3	CAST IRON	SIDEWALL	SIDE	SEE PLANS	CAST IRON	ROUGH	20"	NO TRAP		JR SMITH	1520T			
6"FD-2	CAST IRON	ROUND	BOTTOM	SEE PLANS	CAST IRON	ROUGH	21	CAST IRON	NO	ZURN	Z1731			

					CLEANO	UT KEY	SCHEDULE		
UNIT	CLEANOUT	CLEANOUT BODY		CLE	ANOUT TOP		BASIS OF	DESIGN	
TAG	LOCATION	MATERIAL	PLUG	MAX. SIZE	MATERIAL	FINISH	MANUFACTURER	MODEL NO.	REMARKS
TYPE "A"	FLOOR	CAST IRON	BRONZE	6-3/4"	NIKALOY	SATIN	JOSAM	57000-22	USE IN NON-HEAVY TRAFFIC AREA FLUSH WITH FINISHED FLOOR
TYPE "B"	FLOOR	CAST IRON	BRONZE	6-3/4"	NIKALOY	SATIN	JOSAM	57000-12-22	USE IN NON-HEAVY TRAFFIC AREA WITH TILED FLOOR
TYPE "C"	FLOOR	CAST IRON	BRONZE	6-3/4"	BRONZE	SATIN	JOSAM	57000-2-14-22	USE IN NON-HEAVY TRAFFIC AREA WITH CARPETED FLOOR
TYPE "D"	WALL	CAST IRON	BRONZE		STAINLESS STEEL		JOSAM	58600-VP-PLG	
TYPE "E"	EXPOSED PIPE	CAST IRON	BRONZE				JOSAM	58540	
TYPE "F"	EXTERIOR, DRIVEWAY	CAST IRON	CAST IRON	9"	CAST IRON	ROUGH	ZURN	Z1474	

			EMERG	ENCY EQ	JIPMENT :	SCHEDUL	E (ESH, EEF,	EDH)			
			ADA	RIM MOUNTING			TEPID SUPPLY		BASIS OF DE	SIGN	
UNIT TAG	EQUIPMENT TYPE	MOUNTING	COMPLIANT	HEIGHT (IN.)	WASTE (IN.)	VENT (IN.)	CONN. (IN.)	SERVED BY	MANUFACTURER	MODEL	COMMENTS
EEW-1	EYE/FACE WASH	COUNTER	NO	SEE ARCH DWGS	1 1/2"	N/A	3/4"	TMV-2	GUARDIAN	GBF1849	
ESH-1	EMERGENCY SHOWER/EYEWASH	FLOOR	NO	34 3/4"	1 1/2"	N/A	1 1/2"	TMV-1	BRADLEY	S191314	

							ROOF DE	RAIN SCHE	DULE (R	D)			
			ROOF DRAI	N BODY				DOME			BASIS OF D	ESIGN	
UNIT TAG	MATERIAL	SUMP	BODY TYPE	OUTLET	DECK CLAMP	ТОР	MATERIAL	PROFILE	FAST.	ACCESSORIES	MANUFACTURER	MODEL	COMMENTS
ORD-1	CAST IRON	LARGE	ROUND	BOTTOM	YES	DOME	CAST IRON	LOW SILHOUETTE		UNDER DECK CLAMP, SUMP RECIEVER	ZURN	Z100-89	PROVIDE WITH 2-INCH HIGH EXTERNAL WATER DAM
RD-1	CAST IRON	LARGE	ROUND	BOTTOM	YES	DOME	CAST IRON	LOW SILHOUETTE		UNDER DECK CLAMP, SUMP RECIEVER	ZURN	Z100	

					THE	RMOSTATIC	MIXING VALV	E SCHEDULI	E (TMV)					
		SYSTEM/EQUI PMENT	MIN. FLOW	COLD WATER	MAX. FLOW	MAXIMUM PRESS		OUTLET TEMP	INLET SIZE	MOUNTING	OUTLET	BASIS OF I	DESIGN	
UNIT TAG	LOCATION	SERVED	(GPM)	BYPASS	(GPM)	DROP (PSIG)	INLET TEMP (°F)	(°F)	(IN.)	TYPE	SIZE (IN.)	MANUFACTURER	MODEL	COMMENTS
						0	160	115	0"	VARIES	0"	BRADLEY	S19-2150 EFX20	
TMV-1	VARIOUS	ESH-1	20		30	10	140	85	1 1/4"	VARIES	1 1/4"	BRADLEY	S19-2150 EFX20	
TMV-2	VARIOUS	EEW-1	7		10	80	140	85	3/4"	VARIES	3/4"	BRADLEY	S19-2000EFX	

					TH	IERMAL EXPA	NSION ABSORE	ER SCHEDU	LE (TEA)						
					TA	NK			OPERATING	PRESSURE	OPERATING	TEMPERATURE	BASIS OF D	ESIGN	
UNIT TAG	LOCATION	SYSTEM	SYSTEM TOTAL CAPACITY (GAL.)	TOTAL TANK VOLUME (GAL.)	MAXIMUM ACCEPT. VOLUME (GAL.)	SUPPLY WATER PRESSURE (PSIG)	PRE-CHARGE TANK PRESSURE (PSIG)		MIN. (PSIG)	MAX. (PSIG)	INTIAL FILL TEMP (°F)	MAX OPERATING TEMP (°F)	MANUFACTURER	MODEL	COMMENTS
TEA-1		DOMESTIC HOT WATER	247	53	.66	65	40	85	70	80	40	140	TEMP-TROLL	ST-80VC	
TEA-1		DOMESTIC HOT WATER	247	53	.66	65	40	85	70	80	40	140	TEMP-TROLL	ST-80VC	

							E	ELECTRIC	WATER (COOLER S	CHEDULE	(EWC)						
							CAPACITY		AMBIENT		SPOUT	SUPPLY		ELECT	RICAL	BASIS OF	DESIGN	
					BOTTLE		WATER		AIR TEMP	MOUNTING		CONNECTION	WASTE					
UNIT TAG	LEVELS	CABINET	BOWL MATERIAL TYPE	CONTROL	FILLER	FLOW (GPH)	EWT (°F)	LWT (°F)	(°F)	TYPE	HEIGHT (IN.)	(IN.)	OUTLET (IN.)	VOLTAGE	PHASE	MANUFACTURER	MODEL	COMMENTS
																ELKAY		
EWC-1	BI-LEVEL	STAINLESS STEEL	STAINLESS STEEL	SIDE AND FRONT PUSH	YES	8.0	80	50	90	WALL	ADA HEIGHT	1/2"	1 1/2"	120	1	ELKAY	LVRCTTL8WSK	PROVIDE WITH SENTRY FILTER SYSTEM, WALL MOUNTING FRAME
EWC-2	SINGLE	STAINLESS STEEL	STAINLESS STEEL	FRONT	YES	8.0	80	50	90	WALL	ADA HEIGHT	1/2"	1 1/2"	120	1	ELKAY	EZWS-ERPBM8K	PROVIDE WITH SENTRY FILTER SYSTEM, WALL MOUNTING FRAME

19

					CO	MPRES	SSOR AIF	R DRYER S	CHEDULI	E (CAD)			
			COMPRESSOR			M	OTOR		ELECTRICA	Ĺ	BASIS OF D	ESIGN	
UNIT TAG	LOCATION	COMPRESSOR SERVED	FLOW CAPACITY (SCFM) @ 35°F	MAXIMUM PRESSURE (PSIG)	OPERATING PRESSURE (PSIG)	НР	RPM	VOLTAGE	PHASE	EMERGENCY POWER	MANUFACTURER	MODEL	COMMENTS
CAD-1	TOOL SHOP	AC-1	51	150	100	5	0	115	1	NO	ZEKS	24HSHA100	PROVIDE WITH NANO MODEL NO. NF0015-M1 FILTER, NANO MODEL NO. NF0015-M01 HIGH EFFICIENCY OIL REMOVAL FILTER, ALL CONTROLS AND MANUAL PRESSURE REGUALTORS

							GENERAL	SERVIC	E AIR CON	MPRESSO	R SCHED	JLE (AC)						
					COMPRESSORS				R	ECEIVER TAN	K			ELECTRICA	<u>L</u> .	BASIS OF DE	SIGN	
		MOUNTING	CAPACITY	OPERATING	MAXIMUM OPERATING		MOTOR		CAPACITY	DIAMETER					EMERGENCY			
UNIT TAG	LOCATION	TYPE	(ACFM)	PRESSURE (PSIG)	PRESSURE (PSIG)	QTY.	HP	RPM	(GAL.)	(IN.)	LENGTH (IN.)	ORIENTATION	VOLTAGE	PHASE	POWER	MANUFACTURER	MODEL	COMMENTS
AC-1	TOOL SHOP	SKID	51	100	175	1	15	923	120	48"	72"	HORIZONTAL	208	3	NO	QUINCY		PROVIDE WITH AIR COOLED AFTERCOOLER, AIR DRYER, LOW OIL PRESSURE SHUTDOWN AND ELECTR TANK DRAIN

								GA	AS WATER	HEAT	ER SCH	IEDULE (G	WH)				
					G	SAS			TANK				ELECTRICA	NL	BASIS OF	DESIGN	
UNIT TAG	LOCATION	AREA SERVED	EWT (°F)	LWT (°F)	INPUT (MBH)	PRESS. (W.G.)	EFFICENCY (%)	RECOVERY (GPH)	CAPACITY (GAL.)	VENT DIA.	INTAKE DIA.	VOLTAGE	PHASE	EMERGENCY POWER	MANUFACTURER	MODEL	COMMENTS
GWH-2	2ND LEVEL MECHANICAL ROOM	HILSBERRY THEATER	40	140	178	14"	95	178	100	3"	3"	120	1	NO	A.O. SMITH	BTH-150(A)	PROVIDE WITH ALL NECESSARY CONTROLS, BAS INTERFACE CONNECTION, ASME RATED TANK WITH P & T PRESSURE RELIEF VALVE AND CONDENSATE NEUTRALIZATION KIT
GWH-2	2ND LEVEL MECHANICAL ROOM	HILSBERRY THEATER	40	140	178	14"	95	178	100	3"	3"	120	1	NO	A.O. SMITH	BTH-150(A)	PROVIDE WITH ALL NECESSARY CONTROLS, BAS INTERFACE CONNECTION, ASME RATED TANK WITH P & T PRESSURE RELIEF VALVE AND CONDENSATE NEUTRALIZATION KIT

										SUM	P PUMP SCHE	DULE (SF	')							
							MOTOR				BASIN					ELECTRICAL	L	BASIS OF D	ESIGN	
UNIT TAG	LOCATION	SERVING	SYSTEM TYPE	PUMP GPM	FT. HD.	QTY.	НР	RPM	DIAMETER (IN.)	DEPTH (IN.)	DISCHARGE (IN.)	VENT SIZE (IN.)	REMOVAL SYSTEM	FLOAT TYPE	VOLTAGE	PHASE	EMERGENCY POWER	MANUFACTURER	MODEL	COMMENTS
	VALADE LOADING DOCK	LIFT PIT Valade	GREY WATER	50	25	1	6/10	1750	24"	48"	2"	2"	PULL CHAIN	THETHERED	208	3	NO	LIBERTY	ELVFL63-D/D1 (FL63M-5)	PROVIDE WITH TETHERED DUPLEX FLOATS CONTROL PANEL, FIBERGLASS SUMP BASIN AND PERFORATED CAST IRON COVER
SP-1	ELEVATOR PIT 2	ELEVATOR PIT	GREY WATER	50	25	2	6/10	1750	24"	36"	2"	2"	PULL CHAIN	THETHERED	208	3	NO	LIBERTY	ELVFL63-D/D1 (FL63M-5)	PROVIDE WITH TETHERED DUPLEX FLOATS, DUPLEX CONTROL PANEL, FIBERGLASS SUMP BASIN AND PERFORATED CAST IRON COVER
SP-2	ELEVATOR 1 PIT	ELEVATOR PIT	GREY WATER	50	25	2	6/10	1750	24"	36"	2"	2"	PULL CHAIN	THETHERED	208	3	NO	LIBERTY	ELVFL63-D/D1 (FL63M-5)	PROVIDE WITH TETHERED DUPLEX FLOATS CONTROL PANEL, FIBERGLASS SUMP BASIN AND PERFORATED CAST IRON COVER
SP-3	LULA PIT	LULA	GREY WATER	50	25	1	6/10	1750	24"	48"	2"	2"	PULL CHAIN	THETHERED	208	3	NO	LIBERTY	ELVFL63-D/D1 (FL63M-5)	PROVIDE WITH TETHERED DUPLEX FLOATS CONTROL PANEL, FIBERGLASS SUMP BASIN AND PERFORATED CAST IRON COVER
SP4AND5	SECTOR B	DRAINTILE	DRAINTILE	~~~	~~~	~~ ¹ ~~	6/10	~~~~	24"	48"	~~~~	\sim	PULLCHAIN	THETHERED	~~~	~~~	~~~	~~LBERTY~~	FLVFL63-D(D) (FL63M-5)	
SP-6	VALADE LOADING DOCK	LIFT PIT Valade	GREY WATER	50	25	2	6/10	1750	24"	48"	2"	2"	PULL CHAIN	THETHERED	208	3	NO	LIBERTY	ELVFL63-D/D1 (FL63M-5)	PROVIDE WITH TETHERED DUPLEX FLOATS CONTROL PANEL, FIBERGLASS SUMP BASIN AND PERFORATED CAST IRON COVER AND 59 GALLO OIL WASTE STORAGE TANK

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Theatrical Auerbach Pollock Friedlander 266 West 37th Street

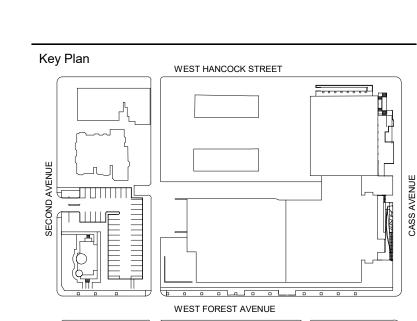
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BULLETIN 21 BP4 DOCKLIFT FEB. 16, 2024
BULLETIN 19 BP4 2023-09-29 SEPT 29, 2023
PERMIT SET JUNE 29, 2020

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

Drawing Title

PI IIMRING

PLUMBING SCHEDULES

Project Number: 3995-001-00

Drawn By: JAH

Scale:



Signature: ____ Drawing No:

⊃8.0

VALADE DEMOLITION GENERAL NOTES:

- A. EXISTING EQUIPMENT INFRASTRUCTURE TO REMAIN UNLESS
- CIRCUIT CONTINUITY THROUGHOUT CONSTRUCTION.
- SYSTEM DEMOLITION REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CABLING DEMOLITION BACK TO SOURCE.

- 1. ELECTRICAL CONTRACTOR SHALL DEMO ALL ELECTRICAL DEVICES, CONDUIT, AND ASSOCIATED WIRING IN THIS AREA BACK TO SOURCE UNLESS NOTED OTHERWISE.
- 2. ELECTRICAL CONTRACTOR SHALL SALVAGE AND REMOVE EXISTING SCONCES AND RETURN TO OWNER.
- 3. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BRANCH CIRCUITING WITHIN THISAREA UNLESS NOTED OTHERWISE.
- 4. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND MAKE SAFE THE LULA LOCATED IN STAIRWELL.
- 5. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING EXTERIOR LIGHT FIXTURES AND MAINTAINING BRANCH CIRCUITING AND CONTROLS FOR EXTERIOR LIGHTING.
- 6. EXISTING CHANDELIERS TO BE RELOCATED. ELECTRICAL CONTRACTOR SHALL INTERCEPT EXISTING BRANCH CIRCUITING AND EXTEND TO NEW LOCATIONS SHOWN ON E2.1A. NO EXPOSED JUNCTION BOXES ARE TO REMAIN IN EXISTING LOCATIONS.
- SHEET E3.1A FOR NEW PANEL LOCATION.
- 8. REMOVE EXISTING EXIT SIGN.
- 9. REMOVE EXISTING EMERGENCY LIGHTING FIXTURE AND REINSTALL AS INDICATED ON NEW WORK SHEET.
- LEGS AS REQUIRED FOR SIWTCHES TO BE OPERATIONAL WHEN

- NOTED OTHERWISE.
- B. EXISTING ELECTRICAL EQUIPMENT RECEPTACLES, FIRE ALARM AND TELECOMUNICATION SYSTEMS TO REMAIN UNLESS NOTED OTHERWISE.
- C. EXISTING FIRE ALARM SYSTEM TO REMAIN UNLESS NOTED OTHERWISE. ELECTRICAL CONTRACTOR SHALL MAINTAIN
- D. REFER TO SECURITY CONSULTANT DRAWING FOR SECURITY

KEYNOTES:

- 7. RELOCATE EXISTING POWER PANELS TO NEW LOCATION. SEE

- 10. REMOVE EXISTING SWITCHES AND RELOCATE AS INDICATED ON

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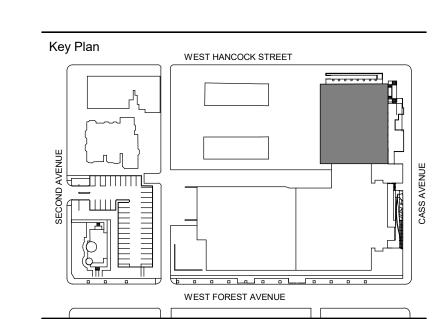
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BULLETIN 19 R1 BP4 2023-10-25 OCT 25, 2023 SEPT 29, 2023

JUNE 29, 2020

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

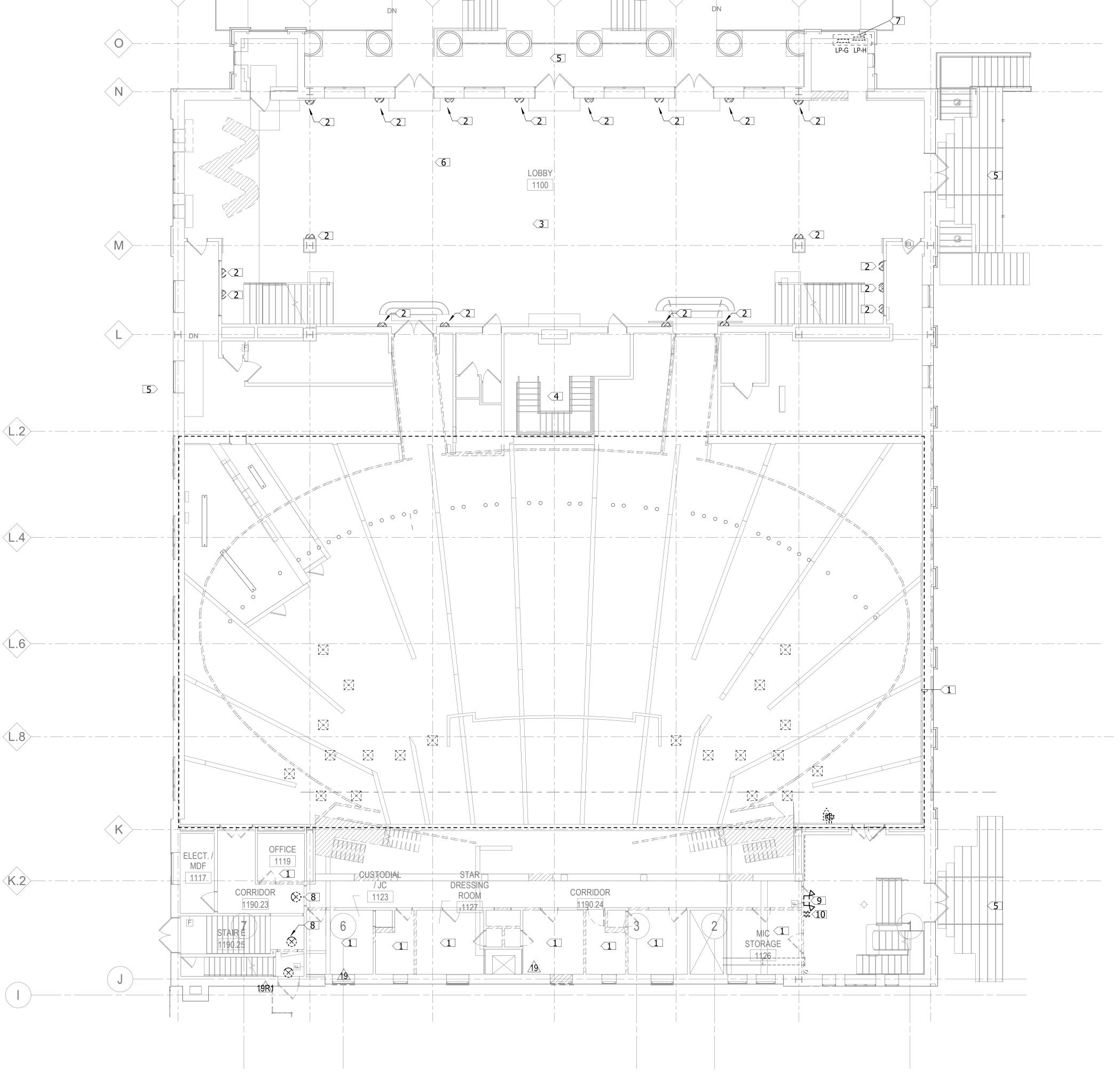
Drawing Title

LEVEL ONE **DEMOLITION PLAN -**SECTOR A

Project Number: 3995-001-00

Scale: 1/8" = 1'-0"

PLAN TRUE NORTH NORTH



1 LEVEL ONE DEMOLITION PLAN - SECTOR A

1/8" = 1'-0"

GENERAL NOTES

- A. COORDINATE EGRESS LIGHTING AND EXIT REQUIREMENTS WITH ARCHITECTURAL LIFE SAFETY PLANS.
- B. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF LUMINAIRES IN MECHANICAL ROOMS WITH DUCTS, PIPES, SPRINKLERS AND EQUIPMENT. MOUNT LUMINAIRES BELOW DUCTS AND PIPES AND DO NOT MOUNT LUMINAIRES OVER EQUIPMENT. SUPPORT LUMINAIRES INDEPENDENTLY OF DUCTS, PIPES, AND EQUIPMENT. CONTRACTOR SHALL COORDINATE WORK OF ALL TRADES IN INVOLVED IN THE CEILING TO ENSURE NECESSARY CLEARANCES FOR FIXTURES, DUCTS, PIPING, CABLE TRAYS, AND CEILING SUSPENSION COMPONENTS. MAINTAIN A NEAT AND ORDERLY APPEARANCE.
- C. REFER TO EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR WALL MOUNTED FIXTURES.
- D. CONDUIT AND WIRING MAY NOT BE SHOWN GRAPHICALLY ON THE PLANS. PROVIDE COMPLETE CONDUIT AND WIRING BASED ON IDENTIFICATION OF CIRCUIT NUMBERS, RELAY NUMBERS, AND SWITCHING IDENTIFICATION.
- E. WHERE OCCUPANCY AND VACANCY SENSORS ARE SHOWN, PROVIDE APPROPRIATE TYPES AND QUANTITIES OF SENSORS TO ACCOMMODATE ROOM GEOMETRY. REFER TO SPEC SECTION 260923 FOR DETAILS. INSTALL OCCUPANCY AND VACANCY SENSORS AT LOCATIONS RECOMMENDED BY MANUFACTURER. SEE OCCUPANCY AND VACANCY SENSOR SHOP DRAWINGS FOR REFERENCE.

KEYNOTES:

- 1. EXISTING LIGHTING AND CONTROLS TO REMAIN.
- 2. RELOCATED EXISTING DECORATIVE PENDANT. RELOCATE LUMINIARE SUPPORT AND JUNCTION BOX AS REQUIRED SO THAT FIXTURE IS CENTERED BETWEEN NEW LIGHT COVES. CLEAN AND RE-LAMP FIXTURE WITH LED REPLACEMENT LAMPS INDICATED ON LUMINAIRE SCHEDULE. CONTRACTOR SHALL REVIEW CONDITION OF EXISTING LIGHT FIXTURE PRIOR TO CLEANING AND RELAMPING. CONFIRIM THAT EXISTING FIXTURE WIRING, BODY AND LENSES ARE IN ACCEPTABLE CONDITION. IF FIXTURES REQUIRE ADDITIONAL WORK TO BRING THEM TO ACCEPTABLE CONDITION, NOTIFY OWNER IMMEDIATELY.
- 3. CLEAN AND RELAMP EXISTING POLE LIGHT. REPLACE GLOBE DIFFUSER. CONTRACTOR TO VERIFY LIGHT IS CONNECTED TO EMERGENCY POWER FOR EGRESS ILLUMINATION.
- 4. CONNECT NEW LIGHTING IN THIS SPACE TO EXISTING 120V NORMAL LIGHTING CIRCUITS SERVING SPACE.
- √7 5. NOT USED
 - CONTRACTOR SHALL REMOVE, CLEAN AND STORE EXISTING LOBBY SCONCE LIGHT FIXTURES (NOT SHOWN ON PLAN). FIXTURES TO BE RETAINED AND TURNED OVER TO THE UNIVERSITY.
- CONNECT ALL FIXTURES WITH 'V##' SWITCH LEG DESIGNATION IN THIS ROOM/AREA TO THEATRICAL & ARCHITECTURAL LIGHTING CONTROLLED BREAKER PANEL 'TRP-3' OR DIMMER RACK 'DR-B'. REFER TO THEATRICAL LIGHTING SHEET FOR SCHEDULES AND CONTROL INFORMATION.
- 8. INSTALL FIXTURE ON EXISTING OUTLET BOX AND CONNECT TO EXISTING CIRCUIT.
- 9. CONNECT ALL FIXTURES WITH 'VL##' SWITCH LEG DESIGNATION IN THIS ROOM/AREA TO RELAY PANEL 'LCP-VL1'. REFER TO SHEET E5.7 FOR RELAY SCHEDULE.
- 10. PROVIDE LIGHTING CONTROL TOUCHSCREEN, 'VL-TSC', IN BOX OFFICE FOR LOBBY. ETC ECHO OR SIMILAR APPOVED MANUFACTURER. TOUCHSCREEN SHALL BE-7" WIDE OR LARGER.
- 11. RELOCATE EXISTING EMERGENCY FIXTURE TO THIS LOCATION

 12. RELOCATE EXISTING SWITCHES SERVING BOH VESTIBULE LIGHTING TO THIS LOCATION.

HamiltonAnderson architecture landscape architecture urban design

Contractor

Design Architect

HGA

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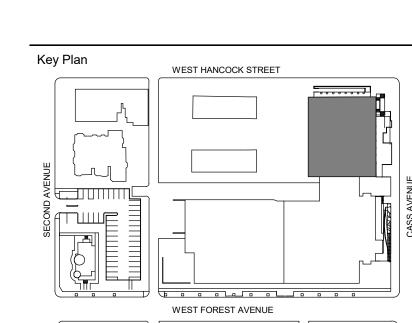
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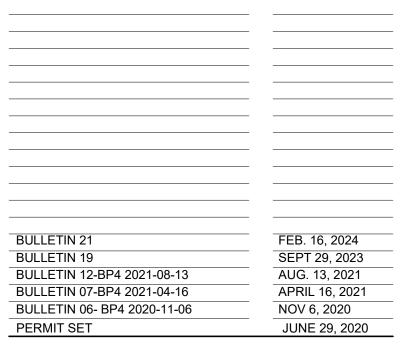
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WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

LEVEL ONE LIGHTING PLAN - SECTOR A

Project Number: 3995-001-00

Drawn By: B.GUTIERREZ

Scale: 1/8" = 1'-0"

PLAN TRUE

LEVEL ONE LIGHTING PLAN - SECTOR A

1/8" = 1'-0"

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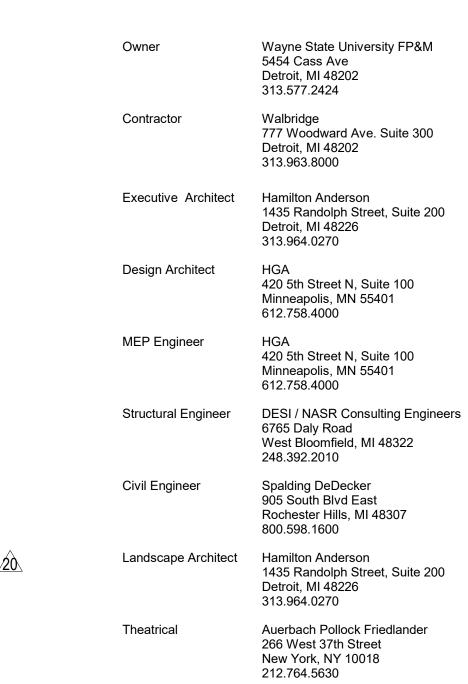
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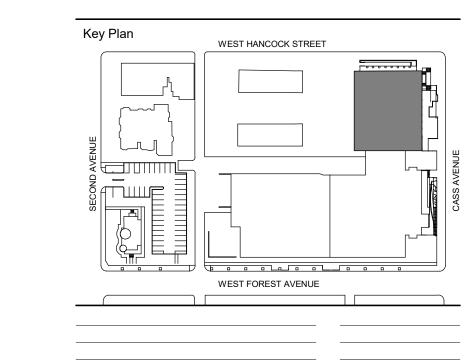
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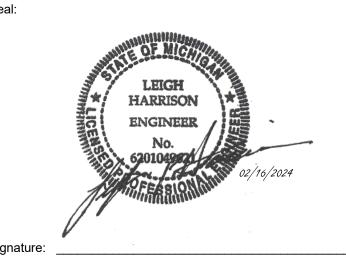
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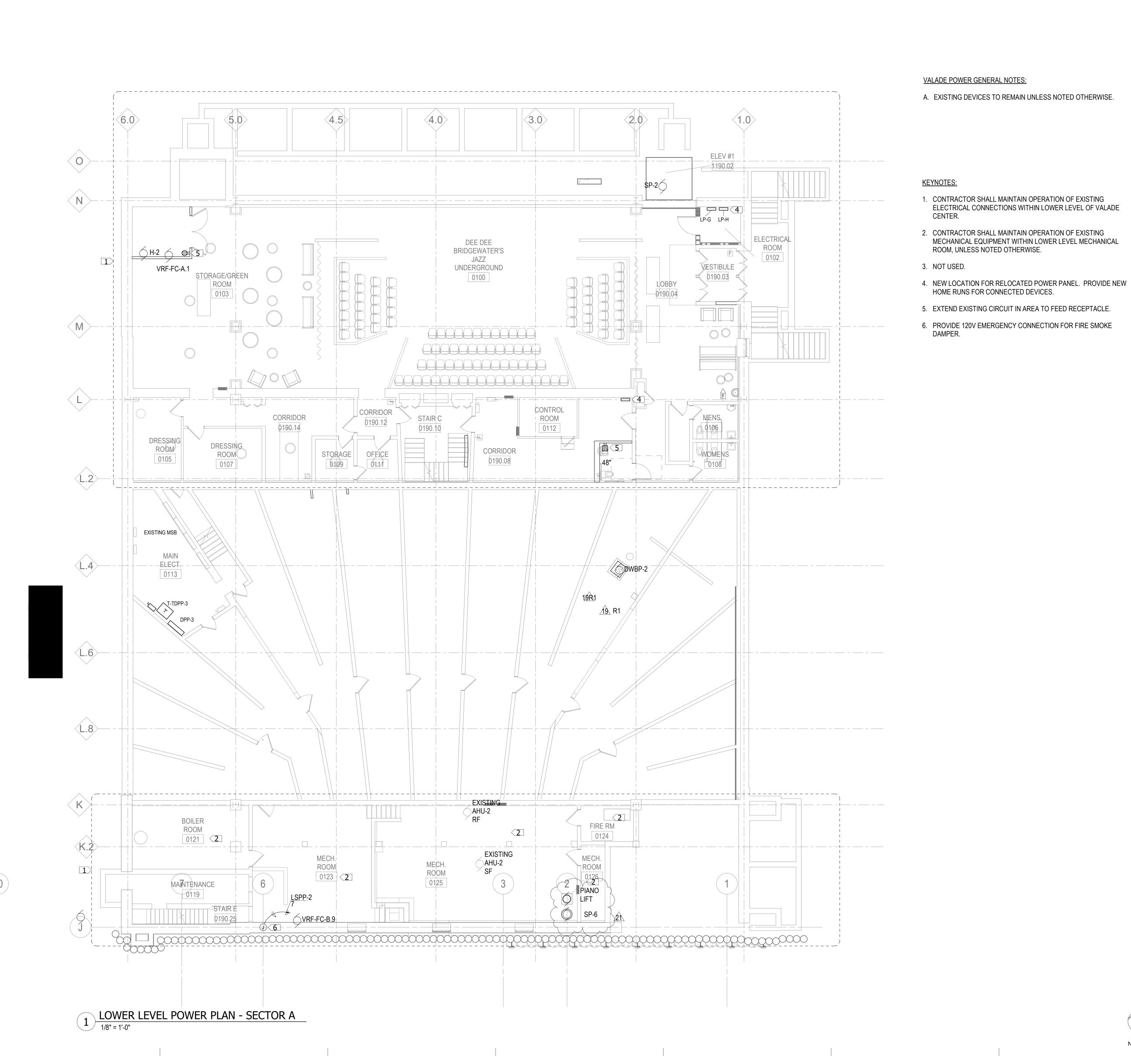
WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

LOWER LEVEL POWER PLAN -SECTOR A

Project Number: 3995-001-00





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Executive Architect Hamilton Anderson

Design Architect

OUTSIDE OF ROOMS. 6. PROVIDE (14) ISOLATED GROUND CIRCUITS FROM PANEL TDPP-3

LIGHT FIXTURES TO 72" AFF BOTH WILL BE WIRED TO PILOT LIGHT

FOR AV RÀCK. (8) CIRCUITS SHALL BE 120V, 20A. (6) CIRCUITS SHALL BE 120V, 30A.

VALADE POWER GENERAL NOTES:

KEYNOTES:

A. EXISTING DEVICES TO REMAIN UNLESS NOTED OTHERWISE.

1. EXTEND THEATRICAL BRANCH CIRCUITING TO NEW DIMMER RACK LOCATION. VERIFY CONDITION OF EXISTING CONDUCTORS

GREATER THAN 20% TOTAL CROSS SECTIONAL AREA PER NEC

4. PROVIDE PILOT LIGHT TO INDICATE POWER STATUS OF DRESSING

ROOM COUNTERTOP RECEPTACLES AND LIGHT FIXTURES.

5. ALL DRESSING ROOM TABLE RECEPTACLE TO BE 36" AFF AND

JACKETS AND RACEWAY FILL, RACEWAY FILL SHALL BE NO

2. ELEVATOR LIFT MOTOR AND LIFT CONTROLS.

3. RECEPTACLE TO BE MOUNTED IN AV BACK BOX.

7. EXISTING 40 TON EXTERIOR CONDENSING UNIT TO BE TEMPORARILY RELOCATED DURING NEW BUILDING CONSTRUCTION. REFEED ELECTRICAL CONNECTIONS TO UNIT AS NECESSARY AND COORDINATE WITH MECHANICAL CONTRACTOR. RACEWAY PATH FOR NEW CHILLER LOCATION SHALL FOLLOW CHILLER PIPING.

8. PROVIDE 120V EMERGENCY CONNECTION FOR FIRE SMOKE DAMPER.

9. RE-ROUTE EXISTING WIRE MOLD AROUND NEW DOOR OPENING.

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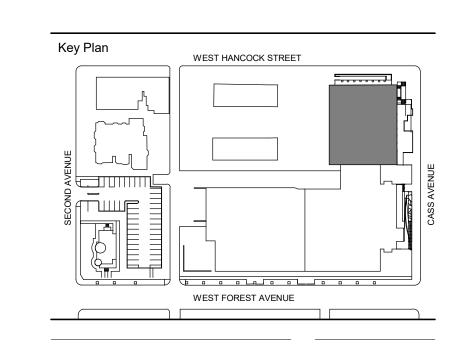
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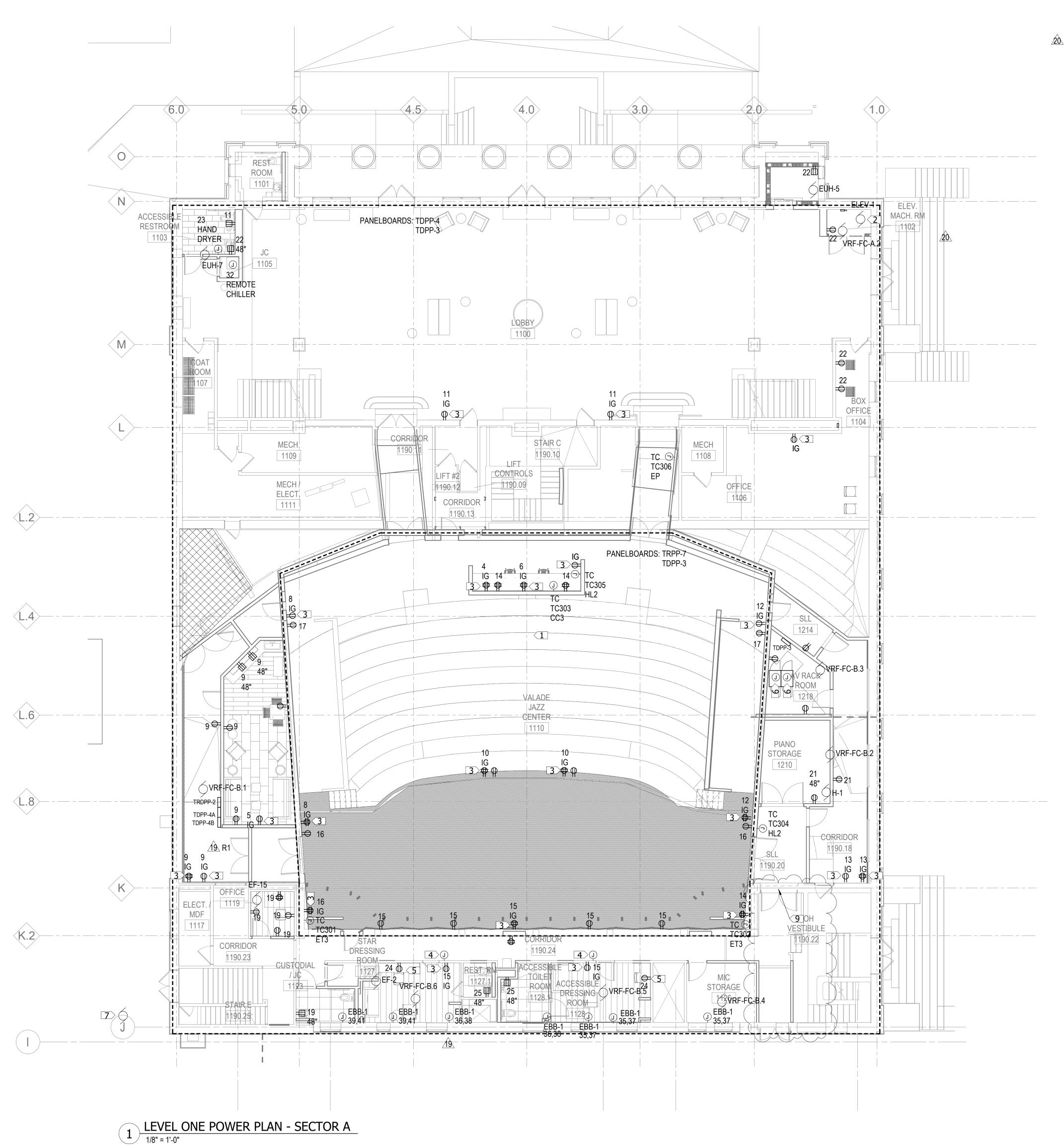
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WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

LEVEL ONE POWER
PLAN - SECTOR A

Project Number: 3995-001-00



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7. PROVIDE CONNECTION FOR SECURITY CAMERA FROM FLOOR BELOW. ROUTE CONDUIT WITHIN SHAFT CAVITY.

8. DUCT SMOKE DETCTOR FOR FIRE SMOKE DAMPER ACTUATION. PROVIDE ALL REQUIRED PROGRAMMING AND MODULES.

9. ACCESS CONTROL ENCLOSURE.

ADDITIONAL INFORMATION.

DEVICES WHERE INDICATED.

GENERAL NOTES

ROUGH-IN.

<u>KEYNOTES:</u>

REQUIREMENTS.

EVERY 8 120V DAMPERS.

A. COORDINATE WITH MECHANICAL DRAWINGS AND

MOUNTING INFORMATION OF DEVICES.

DRAWINGS PRIOR TO DEVICE ROUGH-IN.

6" SEPARATION FROM LIGHT FIXTURE BALLASTS.

ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATIONS AND

OPERATORS. PROVIDE A DEDICATED 20A, 120V CIRCUIT FOR

QUANTITIES OF FIRE SMOKE DAMPERS AND DAMPER

B. REFER TO ARCHITECTURAL ELEVATIONS FOR ADDITIONAL

C. COORDINATE DEVICE LOCATIONS AND ELEVATIONS AT ALL WORKSTATIONS WITH FINAL FURNITURE PLANS AND SHOP

D. COORDINATE CABLE TRAY ROUTING WITH ALL TRADES. MAINTAIN

E. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL MOUNTING

F. JUNCTION BOXES WITH TAGS THAT START WITH AV- ARE AV

JUNCTION BOXES. SEE AV SERIES DRAWINGS FOR BOX

1. PROVIDE FIRE ALARM CONTROL MODULE TO MUTE AUDIO

2. PROVIDE CONCEALABLE FIRE ALARM DEVICE. FINISH COLOR

3. PROVIDE SMOKE DETECTOR FOR ELEVATOR RECALL FUNCTION.

5. EXISTING ELECTRICAL INSTALLATION TO REMAIN. PROVIDE NEW

6. REFER TO THEATRICAL AV DESIGNER DRAWINGS FOR AV

EQUIPMENT/RACEWAY REQUIREMENTS IN THIS AREA.

PROVIDE ALL REQUIRED PROGRAMMING AND CONTROL

4. EXISTING FIRE ALARM CONTROL PANEL TO REMAIN.

MODULES. REFER TO SPECIFICATION SECTION 283111 FOR

SHALL BE PROVIDED BY THE ARCHITECT.

SYSTEM UPON FIRE ALARM SYSTEM ACTIVATION. PROVIDE ALL

REQUIRED PROGRAMMING AND CONTROL MODULES. REFER TO

SPECIFICATION SECTION 283111 FOR ADDITIONAL INFORMATION.

HEIGHTS AND LOCATIONS OF SECURITY DEVICES WITH SECURITY

DESIGNERS DOCUMENTS. REFER TO SHEET SERIES SN PRIOR TO

10. DOOR LOCK TIED INTO LIFT OPERATION. DOOR TO BE SECURED CLOSED WHEN LIFT IS IN EXTENDED POSITION.

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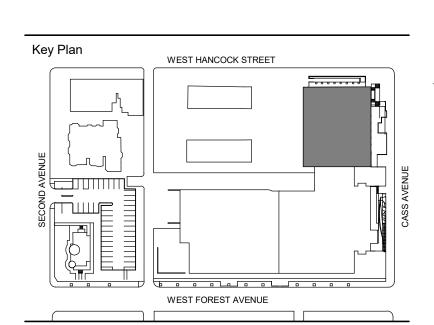
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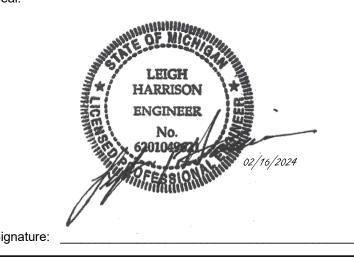
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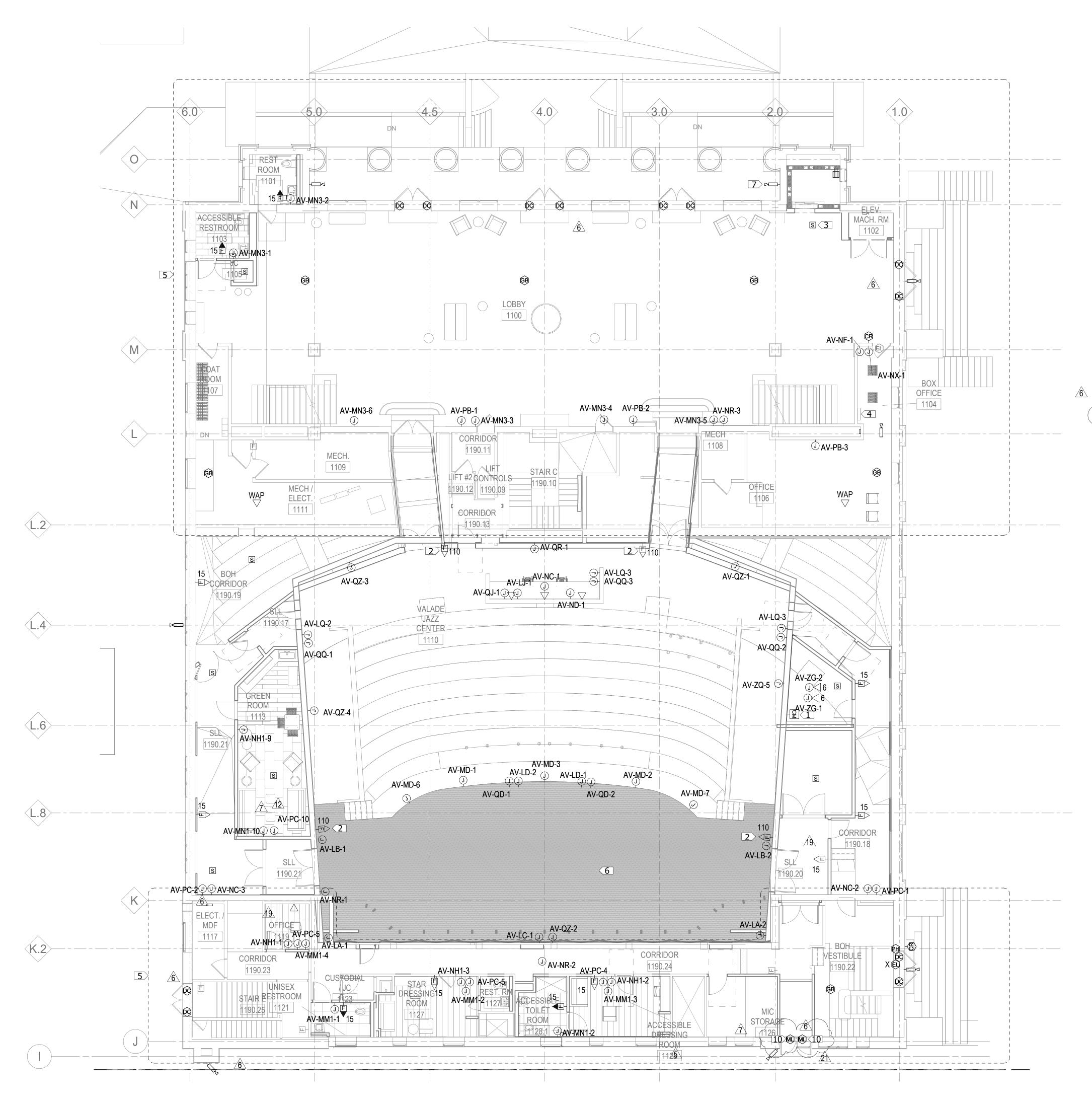
WSU PROJECT NO. 189-178578

Drawing Title

LEVEL ONE SYSTEMS PLAN - SECTOR A

Project Number: 3995-001-00





	Location: Supply From: DP Mounting: SU Enclosure Type:		:		Di	stributio	n System: Phase: Wire:	3)V					A.I.C Rating: 22KAIC Mains Type: MLO Mains Rating: 400 A MCB Rating: MLO	
Note Descriptions		Amps	Pole	СКТ		4	E	3	(;	CKT	Pole	Amps	Descriptions	Note
				1	4068 VA	0 VA					2	1	20 A	SPARE	
TRPP-7		200 A	3	3			4608 VA	0 VA			4	1	20 A	SPARE	
				5					3528 VA	0 VA	6	1	20 A	SPARE	
				7	9600 VA	0 VA					8	1	20 A	SPARE	
CO-TL-7		100 A	3	9			9600 VA	0 VA			10	1	20 A	SPARE	
				11					9600 VA	0 VA	12	1	20 A	SPARE	
SPARE		20 A	1	13	0 VA	0 VA					14	1	20 A	SPARE	
SPARE		20 A	1	15			0 VA	0 VA			16	1	20 A	SPARE	
SPARE		20 A	1	17					0 VA	0 VA	18	1	20 A	SPARE	
SPARE		20 A	1	19	0 VA	0 VA					20	1	20 A	SPARE	
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SPARE		20 A	1	27	U 17.	U 17.1	0 VA	0 VA			28	1		SPARE	
SPARE		20 A	1	29			0 171	3 77 1	0 VA	0 VA	30	1	20 A	SPARE	
SPARE		20 A	1	31	0 VA	0 VA			0 771	0 1/1	32	1		SPARE	
SPARE		20 A	1	33	UVA	UVA	0 VA	0 VA			34	1	20 A	SPARE	
SPARE		20 A	1	35			UVA	UVA	0 VA	0 VA	36	1		SPARE	
SPARE			•		0.1/4	0 VA			UVA	UVA		1			
		20 A	1	37	0 VA	UVA	0.1/4	0.144			38	1			
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						se A 8 VA	Phas 1420		Phas 1312						
					1000	<u> </u>	1420	<u> </u>	1012	O V/ (
Load Classification			С	onne	cted Load	D	emand Fa	ctor	Estimate	d Demar	nd			Panel Totals	
01 - Ltg					0			0.00%			VA				
03 - Rcpt Non-Dwlg					31500			65.87%		20750				al Conn. Load: 41004 VA	
04 - Equipment						VA		0.00%			VA			Est. Demand: 30848 VA	
05 - Equipment Greater t	han 3 Hr					VA		0.00%			VA			Conn. Current: 114 A	
06 - Heating	- 0.11s					VA		0.00%			VA	Total I	est. Der	mand Current: 86 A	
07 - Heating Greater tha	n 3 Hr					VA .		0.00%			VA				
08 - Cooling	- 0.11-					VA (A		0.00%			VA				
09 - Cooling Greater than	1 3 Hr					VA (A		0.00%			VA				
10 - NS Intmtt Motor						VA (A		0.00%			VA				
11 - Kitchen 65% (6 or m	ore Items)					VA		0.00%			VA				
Spare Panelboard Notes:					0	VA		0.00%		0	VA				

	Location: Supply From: DF Mounting: St Enclosure Type:		Ē		Dis	stributio	n System: Phase: Wire:	3)V					A.I.C Rating: Mains Type: Mains Rating: MCB Rating:	MCB 100 A	
Note	Descriptions	Amps	Pole	СКТ	, and the second	<u> </u>	E	В	(;	СКТ	Pole	Amps	Descriptions		Note
	01 - Ltg	20 A	1	1	539 VA	0 VA					2			SPACE		
	-			3				0 VA			4			SPACE		
	LIGHTING - BOH CORRIDOR	20 A	1	5					385 VA	0 VA	6			SPACE		
	COVE LIGHTING - LOBBY	20 A	1	7	1769 VA	0 VA					8			SPACE		
	LIGHTING - LEVEL TWO RESTROOMS	20 A	1	9			266 VA	0 VA			10			SPACE		
	LIGHTING - LOWER LEVEL	20 A	1	11					293 VA	0 VA	12			SPACE		
	SPACE			13	0 VA	0 VA					14			SPACE		
	SPACE			15			0 VA	0 VA			16			SPACE		
	SPACE			17					0 VA	0 VA	18			SPACE		
	SPACE			19	0 VA	0 VA					20			SPACE		
	SPACE			21			0 VA	0 VA			22			SPACE		
	SPACE			23					0 VA	0 VA	24			SPACE		
	SPACE			25	0 VA	0 VA					26			SPACE		
	SPACE			27			0 VA	0 VA			28			SPACE		
	SPACE			29					0 VA	0 VA	30			SPACE		
	SPACE			31	0 VA	0 VA					32			SPACE		
	SPACE			33			0 VA	0 VA			34			SPACE		
	SPACE			35					0 VA	0 VA	36			SPACE		
	SPACE			37	0 VA	0 VA					38			SPACE		
	SPACE			39			0 VA	0 VA			40			SPACE		
				41						0 VA	42			SPACE		
					Phas	se A	Pha	se B	Phas	se C						
	,				2308	3 VA	266	S VA	678	VA						
	1 Classification		C	onnec	ted Load 3187 \		emand Fa		Estimate					Panel	lotais	
01 - I	Lig Rcpt Non-Dwlg				0 \		l	25.00% 0.00%		3984	VA		Tota	I Conn. Load:	3252 \/Δ	
	Equipment				0 \			0.00%			VA			Est. Demand:		
	Equipment Greater than 3 Hr				0 \			0.00%			VA			onn. Current:		
	Heating				0 \			0.00%			VA	Total I		nand Current:		
	Heating Greater than 3 Hr				0 \			0.00%			VA					
08 - 0	Cooling				0 \	/A		0.00%		0	VA					
09 - 0	Cooling Greater than 3 Hr				0 \	/A		0.00%		0	VA					
10 - I	NS Intmtt Motor				0 \	/A		0.00%		0	VA					
11 - 1	Kitchen 65% (6 or more Items)				0 \	/A		0.00%		0	VA					
	e				0 \	/Δ		0.00%		0	VA					

	Enclosure Type:	DPP-3 SURFACE					Phase: Wire:	4			· · · · · ·			A.I.C Rating: Mains Type: Mains Rating: MCB Rating:	MCB 200 A 200 A	l
_	Descriptions	Amps	Pole	CKT	1=00.11			3	(CKT	Pole	Amps	Descriptions		N
4	H-2	20 A	1	1	1500 VA	3333 VA					2	_				
I.	00.0			3			420 VA	3333 VA	400.144	0000144	4	3	20 A	ELEV-1		
ľ	SP-2	20 A	3	5	400.144	4000 \ / 4			420 VA	3333 VA						
4	00 B (N B)	00.4	4	7	420 VA	1333 VA		4000 \ / 4			8	•	00.4	E 4		
-	03 - Rcpt Non-Dwlg	20 A	1	9			1080 VA	1333 VA	400 \ / 1	4000 1/4	10	3	20 A	EUH-4		
4'	BIDET	20 A	1	11	0001/4	4500372			180 VA	1333 VA	12		00.4	11.4		
١	VRF-FC-B.1 - B.9	20 A	2	13	839 VA	1500 VA		074) (A			14	1	20 A	H-1		
4.	LOUTING LODDY	00.4		15			839 VA	671 VA	400 \ / 1	074 \ / *	16	2	20 A	VRF-FC-A.1 -	A.3	
4	LIGHTING - LOBBY	20 A	1	17	4000344	400144			433 VA	671 VA	18			LATOUENETT		
4	OFFICE RECEPTACLE	20 A	1	19	1080 VA	180 VA	0001/4	0001/4			20	1	20 A	KITCHENETT		
4	CONVENIENCE REC.	20 A	1	21			900 VA	900 VA	2.11		22	1	20 A	CONVENIENC		
4	HAND DRYER	20 A	1	23					0 VA	360 VA	24	1	20 A	DRESSING R		
4	CONVENIENCE REC.	20 A	1	25	360 VA	0 VA					26	1	20 A	HAND DRYEF		
4	HAND DRYER	20 A	1	27			0 VA	0 VA			28	1	20 A	HAND DRYEF		
4	HAND DRYER	20 A	1	29					0 VA	900 VA	30	1	20 A	CONVENIENC		
ا	KITCHENETTE REC.	20 A	1	31	180 VA	180 VA					32	1	20 A	WATER CHIL	LER	
ľ	OFFICE REC.	20 A	1	33			1260 VA	0 VA			34	1	20 A	SIGN		
ļ	EBB-1	20 A	2	35 37	1500 VA	1000 VA			1500 VA	1000 VA	36 38	2	20 A	EBB-1		
1			_	39			1000 VA	900 VA			40	1	20 A	OFFICE RECE	EPTACLES	
	EBB-1	20 A	2	41					1000 VA	216 VA	42	1	20 A	EUH-7		
_					Pha	se A	Pha	se B	Pha	se C			l			
					1715	0 VA	1585	3 VA	1456	3 VA						
<u>-</u>	Classification			onnoo	ted Load	D.	emand Fa	ctor	Estimate	d Domon	nd			Danal	Totals	
u Lt				JinleC	285	_		25.00%	-Sumale	356				Failei	i Ulais	
	g cpt Non-Dwlg				8280 \			00.00%		8280			Tota	l Conn. Load:	47566 VA	
	quipment				180 \			00.00%		180				Est. Demand:		
	quipment Greater than 3 Hr					VA		0.00%			VA			Conn. Current:		
	eating				7000	/A	1	00.00%		7000	VA	Total E	Est. Der	mand Current:	138 A	
Н	eating Greater than 3 Hr				0 '	/A		0.00%		0	VA					
С	ooling				0 '	√A		0.00%		0	VA					
С	ooling Greater than 3 Hr				0 '	√A		0.00%		0	VA					
_	S Intmtt Motor				2906 \			85.00%		2470				· · · · · · · · · · · · · · · · · · ·	1	

0.00%

	Location: Supply From: T Mounting: S Enclosure Type:		Ē		Dis	stributior	n System: Phase: Wire:	3	/					A.I.C Rating: 10KAIC Mains Type: MCB Mains Rating: 200 A MCB Rating: 200 A	
ote	Descriptions	Amps	Pole	CKT	Į.	A	E	3	(C	CKT	Pole	Amps	Descriptions	No
	THEATER REC.	20 A	1	1	180 VA	792 VA					2				
				3			792 VA	792 VA			4	3	15 A	BH-1	
	BH-2	15 A	3	5					792 VA	792 VA	6				
				7	792 VA	792 VA					8				
				9			792 VA	792 VA			10	3	15 A	BH-3	
	BH-4	15 A	3	11					792 VA	792 VA	12				
				13	792 VA	720 VA					14	1	20 A	CONVENIENCE REC.	
	CONVENIENCE REC.	20 A	1	15			720 VA	720 VA			16	1	20 A	STAGE REC.	
	THEATER REC.	20 A	1	17					360 VA	0 VA	18	1	20 A	SPARE	
	SPARE	20 A	1	19	0 VA	0 VA					20	1	20 A	SPARE	
	SPARE	20 A	1	21			0 VA	0 VA			22	1	20 A	SPARE	
	SPARE	20 A	1	23					0 VA	0 VA	24	1	20 A	SPARE	
	SPARE	20 A	1	25	0 VA	0 VA					26	1	20 A	SPARE	
	SPARE	20 A	1	27			0 VA	0 VA			28	1	20 A	SPARE	
	SPARE	20 A	1	29					0 VA	0 VA	30	1	20 A	SPARE	
	SPARE	20 A	1	31	0 VA	0 VA					32	1	20 A	SPARE	
	SPARE	20 A	1	33			0 VA	0 VA			34	1	20 A	SPARE	
	SPARE	20 A	1	35					0 VA	0 VA	36	1	20 A	SPARE	
	SPARE	20 A	1	37	0 VA	0 VA					38	1	20 A	SPARE	
	SPARE	20 A	1	39			0 VA	0 VA			40	1	20 A	SPARE	
	SPARE	20 A	1	41					0 VA	0 VA	42	1	20 A	SPARE	
		,		1	Pha	se A	Pha	se B		se C					
					4068	3 VA	4608	3 VA	3528	8 VA					

0 VA

Spare
Panelboard Notes:

PANEL: TDPP-1

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
01 - Ltg	0 VA	0.00%	0 VA		
03 - Rcpt Non-Dwlg	2700 VA	100.00%	2700 VA	Total Conn. Load:	12204 VA
04 - Equipment	0 VA	0.00%	0 VA	Total Est. Demand:	12798 VA
05 - Equipment Greater than 3 Hr	0 VA	0.00%	0 VA	Total Conn. Current:	34 A
06 - Heating	0 VA	0.00%	0 VA	Total Est. Demand Current:	36 A
07 - Heating Greater than 3 Hr	0 VA	0.00%	0 VA		
08 - Cooling	0 VA	0.00%	0 VA		
09 - Cooling Greater than 3 Hr	0 VA	0.00%	0 VA		
10 - NS Intmtt Motor	0 VA	0.00%	0 VA		
11 - Kitchen 65% (6 or more Items)	0 VA	0.00%	0 VA		
Spare	0 VA	0.00%	0 VA		

	Supply Fro	on: ROOM 254 m: T-TDPP-1 ng: SURFACE oe:		m: 208/120V se: 3 re: 4	A.I.C Rating: Mains Type: Mains Rating: MCB Rating:	MLO 600 A		
Note	Descriptions						rcuit	Load
	TPP-1				225 A			6840 V
	TPP-2				150 A	3		3420 V
	CO-AV-1				200 A	3	3 5	57600 \
	TPP-4				150 A	3	4 3	39660 \
	TPP-5				150 A	3	5	46140 \
	SPARE				100 A	3	6	0 VA
							7	
							8	
							9	
							10	
							11	
							12	
							13	
							14	
							15	
						ad Phase A: 513		
						ad Phase B: 537		
					l otal Conn. Lo	ad Phase C: 486	60 VA	
			D I F (Estimated Demand				
l nad (Classification	Connected Load	Domand Factor		Pano	l Totals		
	Classification	Connected Load	Demand Factor		Pane	l Totals		
01 - Lto	g	0 VA	0.00%	0 VA				
01 - Lto 02 - Lto	g g Less than 3 Hr	0 VA 0 VA	0.00% 0.00%	0 VA 0 VA	Total Conn. Load:	153660 VA		
01 - Ltg 02 - Ltg 03 - Rc	g g Less than 3 Hr cpt Non-Dwlg	0 VA 0 VA 19260 VA	0.00% 0.00% 75.96%	0 VA 0 VA 14630 VA	Total Conn. Load: Total Est. Demand:	153660 VA 149030 VA		
01 - Lto 02 - Lto 03 - Ro 04 - Ec	g g Less than 3 Hr cpt Non-Dwlg quipment	0 VA 0 VA 19260 VA 76800 VA	0.00% 0.00% 75.96% 100.00%	0 VA 0 VA 14630 VA 76800 VA	Total Conn. Load: Total Est. Demand: Total Conn. Current:	153660 VA 149030 VA 427 A		
01 - Ltų 02 - Ltų 03 - Rc 04 - Ec 05 - Ec	g g Less than 3 Hr cpt Non-Dwlg quipment quipment Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00%	0 VA 0 VA 14630 VA 76800 VA 0 VA	Total Conn. Load: Total Est. Demand:	153660 VA 149030 VA 427 A		
01 - Lto 02 - Lto 03 - Ro 04 - Ec 05 - Ec 06 - He	g Less than 3 Hr cpt Non-Dwlg quipment quipment Greater than 3 Hr eating	0 VA 0 VA 19260 VA 76800 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00%	0 VA 0 VA 14630 VA 76800 VA 0 VA	Total Conn. Load: Total Est. Demand: Total Conn. Current:	153660 VA 149030 VA 427 A		
01 - Lto 02 - Lto 03 - Ro 04 - Ec 05 - Ec 06 - He	g Less than 3 Hr cpt Non-Dwlg quipment quipment Greater than 3 Hr eating eating Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA 0 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00% 0.00%	0 VA 0 VA 14630 VA 76800 VA 0 VA 0 VA	Total Conn. Load: Total Est. Demand: Total Conn. Current:	153660 VA 149030 VA 427 A		
01 - Lt(02 - Lt(03 - Rc 04 - Ec 05 - Ec 06 - He 07 - He	g Less than 3 Hr cpt Non-Dwlg quipment quipment Greater than 3 Hr eating eating Greater than 3 Hr cooling	0 VA 0 VA 19260 VA 76800 VA 0 VA 0 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00% 0.00% 0.00%	0 VA 0 VA 14630 VA 76800 VA 0 VA 0 VA 0 VA	Total Conn. Load: Total Est. Demand: Total Conn. Current: Total Est. Demand Current:	153660 VA 149030 VA 427 A		
01 - Ltt 02 - Ltt 03 - Rd 04 - Ec 05 - Ec 06 - He 07 - He 08 - Cc	g Less than 3 Hr cpt Non-Dwlg quipment quipment Greater than 3 Hr eating eating Greater than 3 Hr cooling cooling Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA 0 VA 0 VA 0 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00% 0.00% 0.00% 0.00%	0 VA 0 VA 14630 VA 76800 VA 0 VA 0 VA 0 VA 0 VA	Total Conn. Load: Total Est. Demand: Total Conn. Current: Total Est. Demand Current:	153660 VA 149030 VA 427 A		
01 - Ltt 02 - Ltt 03 - Rc 04 - Ec 05 - Ec 06 - He 07 - He 08 - Cc 09 - Cc 10 - NS	g Less than 3 Hr cpt Non-Dwlg quipment quipment Greater than 3 Hr eating eating Greater than 3 Hr boling boling Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA 0 VA 0 VA 0 VA 0 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0 VA 0 VA 14630 VA 76800 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Total Conn. Load: Total Est. Demand: Total Conn. Current: Total Est. Demand Current:	153660 VA 149030 VA 427 A		
01 - Ltt 02 - Ltt 03 - Rc 04 - Ec 05 - Ec 06 - He 07 - He 08 - Cc 09 - Cc 10 - NS	g Less than 3 Hr cpt Non-Dwlg quipment quipment Greater than 3 Hr eating eating Greater than 3 Hr cooling cooling Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA 0 VA 0 VA 0 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00% 0.00% 0.00% 0.00%	0 VA 0 VA 14630 VA 76800 VA 0 VA 0 VA 0 VA 0 VA	Total Conn. Load: Total Est. Demand: Total Conn. Current: Total Est. Demand Current:	153660 VA 149030 VA 427 A		

		Panel: TDPP-3				Di	istributio	n System:		V					A.I.C Rating: 10KAIC	
ļ.		Supply From:						Phase:							Mains Type: MLO	
		Mounting: Enclosure Type:	: SURFACE	=				Wire	: 4						Mains Rating: 225 A	
_	Note	Descriptions	Amps	Pole	СКТ		Α		В		<u> </u>	СКТ	Pole	Amne	MCB Rating: MLO Descriptions	Note
ote	NOLE	•							D	'					<u> </u>	Note
		AV BOX REC.	20 A	1	1	180 VA	540 VA	400 \/A	200) (4			2	1		AV BOX REC.	
	-	AV BOX REC.	20 A	1	3			180 VA	360 VA	400 \ / 4	000 1/4	4	1		AV BOX REC.	
_		AV BACK BOX REC.	20 A	1	5	400 \ / 4	540.144			180 VA	360 VA	6	1		AV BOX REC.	
	-	AV BOX REC.	20 A	1	7	180 VA	540 VA	540.1/4	700 \ / 4			8	1		AV BOX REC.	
	-	AV BOX REC.	20 A	1	9			540 VA	720 VA	000 \ / 4	540.1/4	10	1		AV BOX REC.	
		AV BOX REC.	20 A	1	11	540344	000144			360 VA	540 VA	12	1		AV BOX REC.	
		AV BOX REC.	20 A	1	13	540 VA	360 VA					14	1		AV BOX REC.	
		AV BOX REC.	20 A	1	15			720 VA	360 VA			16	1	20 A	AV BOX REC.	
					17							18				
		AV RACK	20 A	1	19	1920 VA	1920 VA					20	1		AV RACK	
		AV RACK	20 A	1	21			1920 VA	1920 VA			22	1		AV RACK	
		AV RACK	20 A	1	23					1920 VA	1920 VA	24	1		AV RACK	
		AV RACK	20 A	1	25	1920 VA	1920 VA					26	1		AV RACK	
		AV RACK	20 A	1	27			1920 VA	1920 VA			28	1		AV RACK	
		AV RACK	20 A	1	29					1920 VA	1920 VA	30	1		AV RACK	
		AV RACK	20 A	1	31	1920 VA	1920 VA					32	1	20 A	AV RACK	
		AV RACK	20 A	1	33			1920 VA	1920 VA			34	1	20 A	AV RACK	
		AV RACK	30 A	1	35					2880 VA	2880 VA	36	1	30 A	AV RACK	
		AV RACK	30 A	1	37	2880 VA	2880 VA					38	1	30 A	AV RACK	
		AV RACK	30 A	1	39			2880 VA	2880 VA			40	1	30 A	AV RACK	
		AV RACK	30 A	1	41					2880 VA	2880 VA	42	1	30 A	AV RACK	
	مر	AV RACK	30 A	1	43	2880 VA	2880 VA					44	1	30 A	AV RACK	
4	19\	AV RACK	30 A	1	45			2880 VA	2880 VA			46	1	30 A	AV RACK	
					47							48				
					49		180 VA					50	1	20 A	AV BACK BOX REC.	
		AV BACK BOX REC.	20 A	1	51			360 VA	180 VA			52	1	20 A	AV BACK BOX REC.	
		AV BACK BOX REC.	20 A	1	53					180 VA	360 VA	54	1	20 A	AV BACK BOX REC.	
_		AV BACK BOX REC.	20 A	1	55	180 VA	360 VA					56	1	20 A	AV BACK BOX REC.	
_		SPARE	20 A	1	57			0 VA	0 VA			58	1	20 A	SPARE	
\dashv		SPARE	20 A	1	59					0 VA	0 VA	60	1		SPARE	
		SPARE	20 A	1	61	0 VA	0 VA					62	1	20 A	SPARE	
\dashv		SPARE	20 A	1	63			0 VA	0 VA			64	1		SPARE	
\dashv		SPARE	20 A	1	65					0 VA	0 VA	66	1	20 A	SPARE	
\dashv		SPARE	20 A	1	67	0 VA	0 VA					68	1		SPARE	
\dashv		SPARE	20 A	1	69	3 7,7	3 7,7	0 VA	0 VA			70	1	20 A	SPARE	
\dashv		SPARE	20 A	1	71			J 171		0 VA	0 VA	72	1		SPARE	
	-	CDADE	20 /	1	72	0.1/4	0.1/4			3 47	J VA	74	1		SDADE	

SPARE	20 A	1	81			0 VA	0 VA			82	1	20 A	SPARE		
SPARE	20 A	1	83					0 VA	0 VA	84	1	20 A	SPARE		
				Phase	e A	Pha	se B	Pha	ise C						
				26100	VA	2646	80 VA	2118	30 VA						
Load Classification			Connec	ted Load		Demand Fa	ctor	Estimate	ed Deman	ıd			Panel	Totals	
01 - Ltg				0 V	A		0.00%		0	VA					
03 - Rcpt Non-Dwlg				8460 V	A	1	00.00%		8460	VA		Tota	al Conn. Load:	73740 VA	
04 - Equipment				0 V	A		0.00%		0	VA		Total	Est. Demand:	73740 VA	
05 - Equipment Greater than 3 Hr				0 V	A		0.00%		0	VA		Total C	Conn. Current:	205 A	
06 - Heating				0 V	A		0.00%		0	VA	Total	Est. Dei	mand Current:	205 A	
07 - Heating Greater than 3 Hr				0 V	A		0.00%		0	VA					
08 - Cooling				0 V	A		0.00%		0	VA					
09 - Cooling Greater than 3 Hr				0 V	A		0.00%		0	VA					
10 - NS Intmtt Motor				0 V	A		0.00%		0	VA					
11 - Kitchen 65% (6 or more Items)			0 V	Α		0.00%		0	VA					
Spare				65280 V	A	1	00.00%		65280	VA					
Spare Panelboard Notes:				65280 V	A	1	00.00%		65280	VA					

74 1 20 A SPARE

76 1 20 A SPARE

80 1 20 A SPARE

0 VA | 0 VA | 78 | 1 | 20 A | SPARE

82 1 20 A SPARE

20 A 1 73 0 VA 0 VA

20 A 1 75 0 VA 0 VA

20 A 1 // 20 A 1 79 0 VA 0 VA 4 91 0 VA 0 VA

SPARE

SPARE

SPARE

SPARE

SPARE

	Panel: TDPP-4B						_								
	Location:	DD 44			Di	stributio	n System:		V					A.I.C Rating: 22KAIC	
	Supply From: TE Mounting: SI		=				Phase: Wire:							Mains Type: MCB Mains Rating: 200 A	
	Enclosure Type:	JKFAGE	=				wile.	4						MCB Rating: 200 A	
Note	Descriptions	Amps	Pole	ÇKT		<u> </u>	E	3			СКТ	Pole	Amps	Descriptions	Note
	EF-15	20 A	Y	1	528 VA	793 VA					2				
	-			3			420 VA	793 VA			4	3	20 A	DWBP-2	
	SP-6	20 A	3	5					420 VA	793 VA	6				
_				7	420 VA	0 VA					8	1	20 A	SPARE	
				9			2004 VA	0 VA			10	1	20 A	SPARE	
	ELEVATOR LIFT	25 A	3	11					2004 VA	0 VA	12	1	20 A	SPARE	
1 h			١,	13	2004 VA	0					14	1	20 A	SPARE	
2	SPARE	20 A	1				0 VA	0.VA			16	1	20 A	SPARE	
	SPARE	20 A	1	17					0 VA	0 VA	18	1	20 A	SPARE	
	SPARE	20 A	1	19	0 VA	0 VA					20	1	20 A	SPARE	
	SPACE			21			0 VA	0 VA			22			SPACE	
	SPACE			23					0 VA	0 VA	24			SPACE	
	SPACE			25	0 VA	0 VA					26			SPACE	
	SPACE			27			0 VA	0 VA			28			SPACE	
	SPACE			29					0 VA	0 VA	30			SPACE	
	SPACE			31	0 VA	0 VA					32			SPACE	
	SPACE			33			0 VA	0 VA			34			SPACE	
	SPACE			35					0 VA	0 VA	36			SPACE	
	SPACE			37	0 VA	0 VA					38			SPACE	
	SPACE			39			0 VA	0 VA			40			SPACE	
	SPACE			41					0 VA	0 VA	42			SPACE	
						se A	Phas			se C					
					374	5 VA	3217	7 VA	321	7 VA					
Loa	d Classification		С	onnec	ted Load	D	emand Fa	ctor	Estimate	ed Deman	d			Panel Totals	
01 -					0 '	VA		0.00%			VA				
03 -	Rcpt Non-Dwlg				0 '	VA		0.00%			VA			al Conn. Load: 10178 VA	
	Equipment					VA		0.00%			VA			Est. Demand: 11245 VA	
105 -	Equipment Greater than 3 Hr				0 '	VA		0.00%		n	VA		Total (Conn. Current: 28 A	

Loud Glacomodilom	Commodica Edad	Domana i actor	Eotimatoa Bomana	i and	lotaio
01 - Ltg	0 VA	0.00%	0 VA		
03 - Rcpt Non-Dwlg	0 VA	0.00%	0 VA	Total Conn. Load:	10178 VA
04 - Equipment	0 VA	0.00%	0 VA	Total Est. Demand:	11245 VA
05 - Equipment Greater than 3 Hr	0 VA	0.00%	0 VA	Total Conn. Current:	28 A
06 - Heating	0 VA	0.00%	0 VA	Total Est. Demand Current:	31 A
07 - Heating Greater than 3 Hr	0 VA	0.00%	0 VA		
08 - Cooling	0 VA	0.00%	0 VA		
09 - Cooling Greater than 3 Hr	0 VA	0.00%	0 VA		
10 - NS Intmtt Motor	2906 VA	85.00%	2470 VA		
11 - Kitchen 65% (6 or more Items)	0 VA	0.00%	0 VA		
Spare	0 VA	0.00%	0 VA		
Panelboard Notes:	·		·		

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800.598.1600 Landscape Architect Hamilton Anderson 1435 Randolph Street, Suite 200

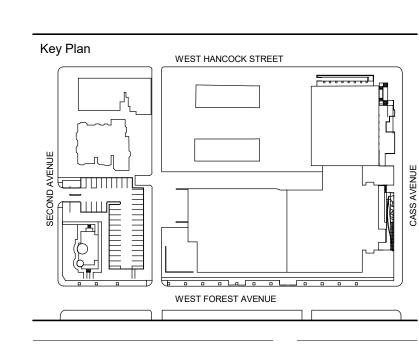
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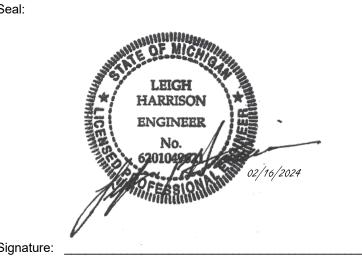
BULLETIN 21 FEB. 16, 2024 OCT 25, 2023 BULLETIN 19 R1 BP4 2023-10-25 BULLETIN 19 SEPT 29, 2023 BULLETIN 07-BP4 2021-04-16 APRIL 16, 2021 BULLETIN 05- BP4 2020-10-02 OCT. 2, 2020 JUNE 29, 2020

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

Drawing Title
ELECTRICAL PANEL SCHEDULE

Project Number: 3995-001-00



E5.6

		EMEDOENOV												DIOCOMMENT	DIOCONNECT	_	OTABTEB	VSD OR ST	ARTER RESPO	ONSIBILITY	START-STOP	OTHER FOLLOWENE
TAG	LOCATION	EMERGENCY POWER	HP	KW	FLA	MCA	OCP	VOLTAGE	PHASE	LOAD	PANEL	CIRCUIT#	CONDUIT AND WIRE	DISCONNECT FURNISHED	SIZE	VSD	STARTER SIZE	FURNISHED	INSTALLED	WIRED	CONTROL DEVICE	OTHER EQUIPMENT INTERLOCKS / REMARKS
COMPRESSOR													1 11110 0111 1110									
AC-1 ANDLING UNIT	TOOL SHOP	No	15		48.3		70	208 V	3	17459 VA	EQPP-1	54,56,58	1 1/4"C, 3#4, 1#8G	DIV 26	30A NF	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
HU-1	HILBERRY MECH	No				82	90	208 V	3	23616 VA	MDPP-1	1	1 1/4"C, 3#2, 1#8G	W/VSD	W/VSD	W/EQUIP	-	DIV 23	DIV 26	DIV 26	BAS	
IU-2 RF	HILBERRY MECH	No				107	125	208 V	3	30816 VA	MDPP-1	6	1 1/2"C, 3#1, 1#6G	W/VSD	W/VSD	W/EQUIP	-	DIV 23	DIV 26	DIV 26	BAS	
HU-2 SF	HILBERRY MECH	No				57	80	208 V	3	16416 VA	MDPP-1	7	1 1/4"C, 3#3, 1#8G	W/VSD	W/VSD	W/EQUIP	-	DIV 23	DIV 26	DIV 26	BAS	
AHU-3	HILBERRY MECH	No				110	125	208 V	3	31680 VA	MDPP-1	2	1 1/2"C, 3#1, 1#6G	W/VSD	W/VSD	W/EQUIP	-	DIV 23	DIV 26	DIV 26	BAS	
\HU-4	ROOF	No				110	125	208 V	3	31680 VA	DPP-2	5	1 1/2"C, 3#1, 1#6G	W/VSD	W/VSD	W/EQUIP	-	DIV 23	DIV 26	DIV 26	BAS	
AHU-5	HILBERRY MECH	No				110	125	208 V	3	31680 VA	MDPP-1	3	1 1/2"C, 3#1, 1#6G	W/VSD	W/VSD	W/EQUIP	-	DIV 23	DIV 26	DIV 26	BAS	
OOLED CHILLE	UTILITY YARD	No				968	1000	208 V	3	278784 VA	MSB-2	2	(4) 3"C, 3#250, 1#2/0G	DIV 26	1000		_	DIV 23	DIV 26	DIV 26	BAS	
ACC-1	UTILITY YARD	No				968	1000	208 V	3	278784 VA	MSB-2	3	(4) 3"C, 3#250, 1#2/0G	DIV 26	1000	- _	_	DIV 23	DIV 26	DIV 26	BAS	
EN HOIST	OTIETT TAKE	110					1000	200 1		210101 111	WOD Z		(1) 0 0, 011200, 1112100	DIV 20	1000			DIV 20	DIV 20	DIV ZO	27.0	
BH-1	VALADE CATWALK	No	1.5		6.6	8.25	15	208 V	3	2376 VA	TRPP-7	2,4,6	3/4"C, 3#12, 1#12G	DIV 26	MSS	-	NEMA 00	DIV 23	DIV 26	DIV 26		
BH-2	VALADE CATWALK	No	1.5		6.6	8.25	15	208 V	3	2376 VA	TRPP-7	3,5,7	3/4"C, 3#12, 1#12G	DIV 26	MSS	-	NEMA 00	DIV 23	DIV 26	DIV 26		
BH-3	VALADE CATWALK	No	1.5		6.6	8.25	15	208 V	3	2376 VA	TRPP-7	8,10,12	3/4"C, 3#12, 1#12G	DIV 26	MSS	-	NEMA 00	DIV 23	DIV 26	DIV 26		
BH-4	VALADE CATWALK	No	1.5		6.6	8.25	15	208 V	3	2376 VA	TRPP-7	9,11,13	3/4"C, 3#12, 1#12G	DIV 26	MSS	-	NEMA 00	DIV 23	DIV 26	DIV 26		
RS															ı							
B-1	WATER ROOM	Yes			13	16.25	20	120 V	1	1560 VA	SBPP	1	3/4"C, 2#12, 1#12G	DIV 26	MSS	-	-	-	-	-	BAS	
B-2	WATER ROOM	Yes			13	16.25	20	120 V	1	1560 VA	SBPP	2	3/4"C, 2#12, 1#12G	DIV 26	MSS	-	-	-	-	-	BAS	
B-3 STER PUMP	WATER ROOM	Yes			13	16.25		120 V	1	1560 VA	SBPP	3	3/4"C, 2#12, 1#12G	DIV 26	MSS	-	-	-	-	-	BAS	
	OWER LEVEL WATER ROOM	No	3		10.6	13.25	30	208 V	3	8000 VA	MDPP-1	8	3/4"C, 3#12, 1#12G	W/EQUIP	W/EQUIP	W/EQUIP	_	DIV 23	DIV 26	DIV 26		
WBP-2	VALADE LOWER LEVEL	No	1.5		6.6	8.25	20	208 V	3	2378 VA	TDPP-4B	2,4,6	3/4"C, 3#12, 1#12G	W/EQUIP	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	DIV 26		
NET UNIT HEAT		110	1.0		0.0	0.20				2010 171	1511 15	2,1,0	0/10,0/12,1/120	W/LGO!!	11/2011	W E Q O II		11/2Q011	11/2011	517 20		
	HOUSE RIGHT CORRIDOR	No		.13			15	120 V	1	130 VA	RPP-6	15	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
CUH-2	VESTIBULE 139.01	No		.13			15	120 V	1	130 VA	RPP-1	35	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP		W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
RESSOR AIR [
CAD-1	TOOL SHOP	No		.45	5			120 V	1	800 VA	EQPP-1	49	3/4"C, 2#4, 1#8G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
COLLECTOR	MEOT EVTEDIO	N.I.	10	1	20.0	20.5	40	00011	^	4400017	MODO	40	0/400 0/10 4/1400	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	VALIENCE		\\\\\\	VALLEDITIE	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	MEOUS		
DC-1	WEST EXTERIOR	No	10		30.8	38.5	40	208 V	3	11096 VA	MSB-2	10	3/4"C 3#8, 1#10G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		1
TRIC UNIT HEA	VESTIBULE 100	No		10.1	28.2	35.25	40	208 V	2	10100 VA	MDPP-1	9	3/4"C 3#8, 1#10G	W/EQUIP	W/EQUIP	_	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EUH-1	BASEMENT STAIRWELL	No No				48.125	50	208 V 208 V	<u> </u>	8000 VA	MSB-2	6	1"C, 2#6, 1#10G	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP	-	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP		
EUH-3	BASEMENT STAIRWELL	No				48.125	50	208 V	1	8000 VA	MSB-2	7	1"C, 2#6, 1#10G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EUH-4	AHU-4 VESTIBULE	No				27.875	30	208 V	3	7500 VA	DPP-2	8	3/4"C, 3#10, 1#10G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EUH-5	ELEV-1	No		4	11	13.75	15	208 V	3	4000 VA	TDPP-4A	8,10,12	3/4"C, 3#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EUH-6		No			22.3	27.85	30	208 V	3	7500 VA	DPP-3	8	3/4"C, 3#10, 1#10G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EUH-7	BATHROOM	No		1.8	15	18.75	20	120 V	1	216 VA	TDPP-4A	42	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
ATORS													1		T			Т			I	
ELEV-1	ELEV-1 MACHINE ROOM	No					35	208 V	3	10000 VA	TDPP-4A	2,4,6	1"C, 3#8, 1#8G.									
LEV-4 .IFT-2	ELEV-4 MACHINE ROOM	No No					60	208 V	<u> </u>	17000 VA	MSB-2 MDPP-1	11	1 1/4"C, 3#4, 1#4G	W/EOLID	W/EQUIP							
IF 1-2 IFT-3	LIFT-2 MACHINE ROOM LIFT-3 MACHINE ROOM	No No					15	120 V 208 V	1 1	1200 VA 2500 VA	MDPP-1	28 27	3/4"C, 2#12, 1#12G 3/4"C, 2#12, 1#12G	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP	-						
ING EQUIPMEN		INU					10	200 V	<u> </u>	2300 VA	IVIDEE-1	21	3/4 0, 2#12, 1#120	WILQUIF	WLQUIF	-						
(ISTING		No						208 V		0 VA			_	-	_	DIV 23	_	DI) / 00	DII / 00	DII / 00		2
HU-2 RF						1												DIV 23	DIV 23	DIV 26		_
XISTING		No						208 V		0 VA			-	-	-	DIV 23	-	DIV 23	DIV 23	DIV 26		2
HU-2 SF																		517 20		517 20		
⊑ ⊑_1	CATWALK	NIa	1/0		0 0	10 05	15	120 V	1	1176 VA	DPP-3	1	3/4"C, 2#12, 1#12G	///EOLUD	W/EQUIP		\\//E\\ IID	////EOLUD	W/EQUIP	W/EQUIP		
EF-1 EF-2	ROOF	No No	1/2		9.8 5.8	12.25 7.25	15	120 V 120 V	1 1	696 VA	RPP-6	12	3/4"C, 2#12, 1#12G 3/4"C, 2#12, 1#12G	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP	-	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP		
EF-3	ROOF	No	3/4		7.6	9.5	15	208 V	1	1580 VA	RPP-6	14,16	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EF-4	ROOF	No	1/4		5.8	7.25	15	120 V	1	696 VA	RPP-6	30	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP	_	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EF-5	ELECTRICAL	No	1/15		4.4	5.5	15	120 V	1	528 VA	RPP-6	13	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EF-6	HILBERRY MECH	No	1/4		5.8	7.25	15	120 V	1	696 VA	MDPP-1	22	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EF-7	SCENE PREPARATION-1	No	1/6		4.4	5.5	15	120 V	1	528 VA	EQPP-1	53	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EF-8	IDF-1	No	1/6		4.4	5.5	15	120 V	1	528 VA	MDPP-1	11	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EF-9	UTILITY YARD	No	1/6		4.4	5.5	15	120 V	1	528 VA	RPP-2	9	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EF-10	UTILITY YARD	No	1/6		4.4	5.5	15	120 V	1	528 VA	RPP-2	8	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EF-11	HILBERRY MECH	No	3		10.6	13.25	15	208 V	3	3816 VA	MDPP-1	23	3/4"C, 3#12, 1#12G	W/VSD	W/VSD	DIV 23	-	DIV 23	DIV 23	DIV 26		
EF-12	HILBERRY MECH	No	1/6		4.4	5.5	15	120 V	1	528 VA	MDPP-1	24	3/4"C, 2#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EF-13 EF-14	BOX OFFICE PAINT ROOM	No No	1/15		4.4	5.5 5.75	15	120 V 208 V	3 I	528 VA 1656 VA	MDPP-1 EQPP-3	25 7,9,11	3/4"C, 2#12, 1#12G 3/4"C, 2#12, 1#12G	W/EQUIP W/VSD	W/EQUIP W/VSD	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP DIV 26		
EF-14 EF-15	OFFICE	No	1/15		4.4	5.5	15	120 V	1	528 VA	TDPP-4B	1,9,11	3/4°C, 2#12, 1#12G	W/EQUIP	W/EQUIP		W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
COIL UNIT	OI I IOL	INU	1/10		-⊤. - †	<u> </u>	IJ	14U V	Į.	JZU VA	וטו ו ⁴ D	<u> </u>	JIT U, Z#1Z, I#1ZU	VV/LQUIT	V V/LQUIT	1-	VV/LYUIT	v v/ L \(\(\text{U \(\text{I} \)	vv/∟\UIF	v v/LQUIF		<u> </u>
FC-2	LOADING 1340	No	1		4.6	5.75	15	208 V	3	1657 VA	MDPP-1	17	3/4"C, 3#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
FC-3	HILBERRY MECH	No	3/4		3.5	4.375	15	208 V	3	1261 VA	MDPP-1	18	3/4°C, 3#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
FC-4	HILBERRY MECH	No	3/4		3.5	4.375	15	208 V	3	1261 VA	MDPP-1	19	3/4"C, 3#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
FC-5	WATER ROOM	No	3/4		3.5	4.375	15	208 V	3	1261 VA	MDPP-1	20	3/4"C, 3#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
PUMP																						
FP-1	FIRE PUMP ROOM	Yes	75					208 V	3	75960 VA		<unnamed></unnamed>		W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		SEE 1-LINE FOR
\//ATED IE 4.7E'	D																		~ * ''			CONNECTION INFO.
WATER HEATEI GWH-1	R WATER ROOM	No			5		15	120 V	1	75 VA	MDPP-1	15	3/4"C, 2#12, 1#12G	DIV 26	MSS	_	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
GWH-2	WATER ROOM WATER ROOM	No			5		15	120 V	1 1	75 VA	MDPP-1	16	3/4"C, 2#12, 1#12G	DIV 26	MSS	-	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP		
IDIFIER		110			<u> </u>			~ *				10		D1 V LU	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		🔾 🗸 📗	, = &OII	🔾 🗸 🛚	,_&011	l	
H-1	PIANO STORAGE	No		1.5	12.5	15.625	20	120 V	1	1500 VA	TDPP-4A	14	3/4"C, 2#12, 1#12G	DIV 26	MSS	-	W/EQUIP	VVICOLUD		WEOLID		PROVIDE 120V RECEPTACL
													, ,2					W/EQUIP	W/EQUIP	W/EQUIP		FOR CONDENSATE PUMP
110	PIANO STORAGE	No		1.5	12.5	15.625	20	120 V	1	1500 VA	TDPP-4A	1	3/4"C, 2#12, 1#12G	DIV 26	MSS	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		PROVIDE 120V RECEPTACL
H-2																		, = &OII	🔾 🗸 📗	,		FOR CONDENSATE PUMP
		Voc	214	I	2 F	A 275		200 17	n	1060 \ / 4	EIDE DI IMP	405	3/4"0 2#40 4#400	WIFOLUB	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		\\\/_\\\					
EY PUMP	WATED DOOM	Yes	3/4		3.5	4.375		208 V	3	1260 VA	FIRE PUMP CONTROLLER	1,3,5	3/4"C, 3#12, 1#12G	W/EQUIP	W/EQUIP	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP		
EY PUMP	WATER ROOM											I	1		1	I				l	<u>l</u>	1
EY PUMP JP-1	WATER ROOM						100	208 V	3	28800 VA	TDPP-2	1,3,5	2"C, 4#1, 1#8G	DIV 26	100A	-	-			DIV / 00		SEE TE SHEETS FOR MORI
EY PUMP JP-1 DL-1	ORCH PIT 011	No				. '												-	•	DIV 26		INFO
EY PUMP JP-1 DL-1 DL-1		No						, .							\(\frac{1}{2}\)	\checkmark			\searrow			
EY PUMP JP-1 DL-1 DL-1 LIFT					12	66.5		225 1 1	Υ -	004014	TDPP-4B	9,11,13	3/4"C. 3#10, 1#10G	W/EQUIP	W/EQUIP	-	W/EQUIP		'	I .		Υ Υ
EY PUMP JP-1 DL-1 DL-1 LIFT		No No	5		16.7	20.875	25	208 V	3	6012 VA	וטוו - דט		i e	1	1	i .	11/20011	W/EQUIP	W/EQUIP	W/EQUIP	ELEVATOR CONTROLS	Y Y
EY PUMP JP-1 DL-1 DL-1 DLIFT NO LIFT			5		16.7	20.875	25	208 V	3	6012 VA	, , /, , ,	. A	Λ . Λ	<u>,</u> ,	7	<u>,</u> , ,	. A	W/EQUIP	W/EQUIP	W/EQUIP	ELEVATOR CONTROLS	, , , , , ,
EY PUMP IP-1 DL-1 DL-1 LIFT NO LIFT BING PUMP	ORCH PIT 011	No	5		16.7	20.875	25		3			13	3/4"C. 2#12 1#12C	DIV 26	MSS	W/FOI IID			1			
EY PUMP IP-1 DL-1 DL-1 LIFT NO LIFT BING PUMP PP-1	ORCH PIT 011 LEVEL 2 MECH PENTHOUSE	No No	5 1/2 1/2		4	20.875	15	120 V	3	480 VA	MDPP-1	13	3/4"C, 2#12, 1#12G 3/4"C, 2#12, 1#12G	DIV 26	MSS MSS	W/EQUIP W/EQUIP	-	W/EUIP	WEQUIP	W/EQUIP		
EY PUMP JP-1 DL-1 DL-1 LIFT NO LIFT BING PUMP PP-1 LPP-2 L	ORCH PIT 011 LEVEL 2 MECH PENTHOUSE LEVEL 2 MECH PENTHOUSE	No	5 1/2 1/2		16.7	20.875	25 15 15		3 1 1			13 14	3/4"C, 2#12, 1#12G 3/4"C, 2#12, 1#12G	DIV 26 DIV 26	MSS MSS	W/EQUIP W/EQUIP	-		1			
EY PUMP JP-1 DL-1 DL-1 DL-1 DL-1 LIFT NO LIFT BING PUMP PP-1 LPP-2 MATIC AIR COI	ORCH PIT 011 LEVEL 2 MECH PENTHOUSE LEVEL 2 MECH PENTHOUSE	No No No			4	20.875	15	120 V 120 V	3 1 1	480 VA	MDPP-1		· · ·			_	-	W/EUIP	WEQUIP	W/EQUIP		
EY PUMP JP-1 DL-1 DL-1 DL-1 NO LIFT NO LIFT PP-1 L PP-2 MATIC AIR COLUMN PAC-1	ORCH PIT 011 LEVEL 2 MECH PENTHOUSE LEVEL 2 MECH PENTHOUSE	No No	1/2		4	20.875	15	120 V	3 1 1	480 VA 480 VA	MDPP-1 MDPP-1	14	· · ·			_	-	W/EUIP	WEQUIP	W/EQUIP		
EY PUMP JP-1 DL-1 OL-1 OLIFT NO LIFT BING PUMP PP-1 IPP-2 MATIC AIR COI PAC-1 S	ORCH PIT 011 LEVEL 2 MECH PENTHOUSE LEVEL 2 MECH PENTHOUSE	No No No	1/2		4	20.875	15	120 V 120 V	3 1 1	480 VA 480 VA	MDPP-1 MDPP-1	14	· · ·			_	-	W/EUIP	WEQUIP	W/EQUIP		
EY PUMP JP-1 OL-1 OL-1 OL-1 NO LIFT NO LIFT PP-2 I MATIC AIR COI PAC-1 PS HWP-1	ORCH PIT 011 LEVEL 2 MECH PENTHOUSE LEVEL 2 MECH PENTHOUSE MPRESSOR	No No No	1/2		4 4	5 5	15 15	120 V 120 V 208 V	3 1 1 3 3	480 VA 480 VA 0 VA	MDPP-1 MDPP-1	14	3/4"C, 2#12, 1#12G	DIV 26	MSS	W/EQUIP	-	W/EUIP W/EQUIP	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP		
EY PUMP JP-1 OL-1 OL-1 OLIFT NO LIFT IBING PUMP PP-1 IPP-2 IMATIC AIR COIPAC-1 PS HWP-1 HWP-2	ORCH PIT 011 LEVEL 2 MECH PENTHOUSE LEVEL 2 MECH PENTHOUSE MPRESSOR WATER ROOM	No No No	1/2 15 20 20 20 20		62.1	5 5 5	15 15	120 V 120 V 208 V 208 V 208 V 208 V	3 1 1 3 3 3	480 VA 480 VA 0 VA 22356 VA 22356 VA 22356 VA	MDPP-1 MDPP-1 MDPP-1 MDPP-1 SBPP	14	3/4"C, 2#12, 1#12G 1 1/4"C, 3#3, 1#10G	DIV 26	MSS W/VSD	W/EQUIP	-	W/EUIP W/EQUIP	W/EQUIP W/EQUIP	W/EQUIP W/EQUIP		
EY PUMP JP-1 OL-1 OL-1 OL-1 D LIFT NO LIFT BING PUMP PP-1 PP-2 I MATIC AIR COI PAC-1 PS HWP-1 HWP-2 HWP-1 HWP-2	ORCH PIT 011 LEVEL 2 MECH PENTHOUSE LEVEL 2 MECH PENTHOUSE MPRESSOR WATER ROOM WATER ROOM	No No No No No	1/2 15 20 20		62.1 62.1 62.1	74.25 74.25	15 15 15 75 75	120 V 120 V 208 V 208 V 208 V	3 1 1 3 3 3 3 3	480 VA 480 VA 0 VA 22356 VA 22356 VA	MDPP-1 MDPP-1 MDPP-1 MDPP-1 MDPP-1	14 21 4 5	3/4"C, 2#12, 1#12G 1 1/4"C, 3#3, 1#10G 1 1/4"C, 3#3, 1#10G	DIV 26 W/VSD W/VSD	MSS W/VSD W/VSD	DIV 23 DIV 23	-	W/EUIP W/EQUIP DIV 23 DIV 23	W/EQUIP W/EQUIP DIV 26 DIV 26	W/EQUIP W/EQUIP DIV 26 DIV 26		
EY PUMP JP-1 OL-1 OL-1 OLIFT NO LIFT BING PUMP PP-1 IPP-2 IMATIC AIR COI PAC-1 PS HWP-1 HWP-2 HWP-1 HWP-2 P PUMP	ORCH PIT 011 LEVEL 2 MECH PENTHOUSE LEVEL 2 MECH PENTHOUSE MPRESSOR WATER ROOM WATER ROOM WATER ROOM WATER ROOM WATER ROOM	No No No No No No Yes No	1/2 15 20 20 20 20 20		62.1 62.1 62.1 62.1	74.25 74.25 74.25 74.25	15 15 15 75 75 75 75	120 V 120 V 208 V 208 V 208 V 208 V 208 V	3 1 1 3 3 3 3	480 VA 480 VA 0 VA 22356 VA 22356 VA 22356 VA 22356 VA	MDPP-1 MDPP-1 MDPP-1 MDPP-1 SBPP MDPP-1	14 21 4 5	3/4"C, 2#12, 1#12G 1 1/4"C, 3#3, 1#10G 1 1/4"C, 3#3, 1#10G 1 1/4"C, 3#3, 1#10G 1 1/4"C, 3#3, 1#10G	W/VSD W/VSD W/VSD W/VSD	W/VSD W/VSD W/VSD W/VSD	DIV 23 DIV 23 DIV 23		W/EUIP W/EQUIP DIV 23 DIV 23 DIV 23 DIV 23	W/EQUIP W/EQUIP DIV 26 DIV 26 DIV 26 DIV 26	W/EQUIP W/EQUIP DIV 26 DIV 26 DIV 26 DIV 26		
KEY PUMP JP-1 -OL-1 OL-1 ANO LIFT MBING PUMP PP-1	ORCH PIT 011 LEVEL 2 MECH PENTHOUSE LEVEL 2 MECH PENTHOUSE MPRESSOR WATER ROOM WATER ROOM WATER ROOM WATER ROOM	No No No No No No Yes	1/2 15 20 20 20 20		62.1 62.1 62.1 62.1 3.5	74.25 74.25 74.25	15 15 15 75 75 75	120 V 120 V 208 V 208 V 208 V 208 V	3 1 1 1 3 3 3 3	480 VA 480 VA 0 VA 22356 VA 22356 VA 22356 VA	MDPP-1 MDPP-1 MDPP-1 MDPP-1 SBPP	14 21 4 5	3/4"C, 2#12, 1#12G 1 1/4"C, 3#3, 1#10G 1 1/4"C, 3#3, 1#10G 1 1/4"C, 3#3, 1#10G	W/VSD W/VSD W/VSD	MSS W/VSD W/VSD W/VSD	DIV 23 DIV 23 DIV 23	-	W/EUIP W/EQUIP DIV 23 DIV 23 DIV 23	W/EQUIP W/EQUIP DIV 26 DIV 26 DIV 26	W/EQUIP W/EQUIP DIV 26 DIV 26 DIV 26		

HamiltonAnderson architecture landscape architecture urban design

Wayne State University FP&M 5454 Cass Ave

Contractor Walbridge

OF MAINTENANCE. E. PROVIDE SEPARATE GROUNDING CONDUCTOR TO THE VSD AND

CONDUIT SYSTEM.

BETWEEN THE VSD AND THE MOTOR IN ADDITION TO THE

A. SEPARATE LINE, LOAD, AND CONTROL CONDUCTORS IN SEPARATE CONTINUOUS METALLIC CONDUITS. PROVIDE

B. PROVIDE ALL POWER CONNECTION INCLUDING WIRING

GROUNDING CONNECTIONS.

WIRING FROM THE VSD TO THE MOTOR, AS WELL AS ALL

C. WHERE IT IS NOT POSSIBLE TO INSTALL MOTORS WITHIN THE SIGHT OF THE VSD PROVIDE A DISCONNECT SWITCH AT THE MOTOR AS REQUIRED BY THE NEC OR REQUIRED BY THE SPECIFICATIONS. PROVIDE AN INTERLOCKING CONNECTION BETWEEN THE DISCONNECT AT THE MOTOR AND THE VSD TO PREVENT THE VFC FROM OPERATING IN A NO LOAD SITUATION.

D. ALL CONNECTIONS TO THE VSD SHALL BE WITH A MINIMUM 18

INCHES OF SEAL TIGHT FLEXIBLE CONDUIT, ALLOWING FOR EASE

FERROUS METALLIC SHIELDING AROUND EACH VSD CONDUCTOR GROUP WHEN CONDUCTORS ARE INSTALLED IN WIREWAY OR GUTTER. THE CONTRACTOR MAY SUBMIT SHIELDED CONDUCTOR CABLE ASSEMBLIES DESIGNED FOR OPERATION WITH VSD'S.

ASSOCIATED WITH ANY ISOLATION TRANSFORMER DISCONNECT REACTORS, FILTERS, AND ANY ACCESSORIES. INCLUDE POWER

F. PROVIDE INTEGRAL OVERCURRENT PROTECTION DEVICE WITH VSDs. REFER TO VSD SPECIFICATION.

G. WHERE TYPE MI CONDUCTORS ARE INDICATED, ALTERNATE 2 HOUR FIRE RATED INSTALLATION METHODS MAY BE ACCEPTABLE. THESE METHODS INCLUDE 2-HOUR ENCLOSURE, MINIMUM.

H. EQUIPMENT INFORMATION IN SCHEDULE IN BASED ON DESIGN EQUIPMENT. FINAL REQUIREMENTS TO BE COORDINATED WITH EQUIPMENT PROVIDED BY DIVISION 22, 23 AND 26.

I. WIRE SIZE IS BASED ON MCA REQUIREMENTS OF EQUIPMENT WITHOUT CONSIDERATION FOR VOLTAGE DROP BASED ON INSTALLED WIRE LENGTHS.

GENERAL NOTES:

- 1. CONTRACTOR TO COORDINATE MOUNTING OF CONTROL PANEL WITHIN BUILDING. PROVIDE NON-FUSED CDISCONNECT AT EXTERIOR UNIT. DIVISION 26 TO PROVIDE CONDUIT CONNECTION FOR BRANCH CIRCUITING BETWEEN CONTROL PANEL, NON-FUSED DISCONNECT, AND DUST COLLECTOR POWER CONNECTION.
- 2. ELECTRICAL CONTRACTOR TO WIRE NEW VSD FOR EXISTING FAN. PROVIDE CONDUIT AND WIRE TO MATCH EXISTING.

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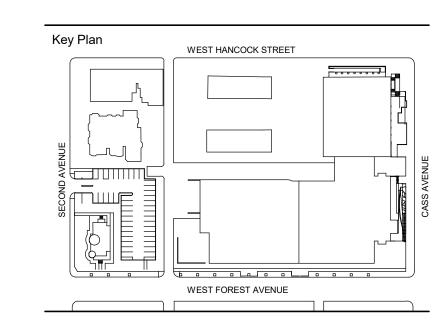
248.392.2010

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WSU - GATEWAY THEATER COMPLEX

FEB. 16, 2024

OCT 25, 2023

MAY 24, 2021

OCT. 2, 2020 JUNE 29, 2020

SEPT 29, 2023

WSU PROJECT NO. 189-178578 Drawing Title
ELECTRICAL

MECHANICAL COORDINATION SCHEDULES

Project Number: 3995-001-00

Drawn By: B.GUTIERREZ

Scale: 1/8" = 1'-0"

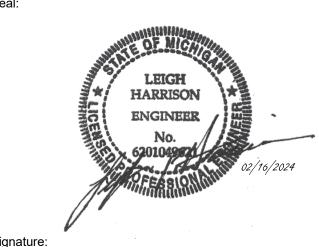
BULLETIN 21

BULLETIN 19

BULLETIN 19 R1 BP4 2023-10-25

BULLETIN 08-BP4 2021-05-24

BULLETIN 05- BP4 2020-10-02



/ 1/4" = 1'-0"

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Contractor

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MEP Engineer

Structural Engineer

Landscape Architect

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West Bloomfield, MI 48322

DESAI / NASR Consulting Engineers Inc.

Minneapolis, MN 55401

Minneapolis, MN 55401

ALLOWED DUE TO FAILURE TO FIELD VERIFY DEMOLITION SCOPE OR FAILURE TO EXAMINE ALL CONTRACT DOCUMENTS. 3. VERIFY AND INVESTIGATE ALL CONDITIONS IN THE FIELD PRIOR TO STARTING DEMOLITION, NOTIFY ARCHITECT OF DISCREPANCIES. LOCATE AND IDENTIFY SERVICES TO REMAIN IN OPERATION,

INCLUDING ALL UTILITY LINES PENETRATING FLOOR, UNDOCUMENTED CONDITIONS, UTILITY RISERS, ETC 4. PRIOR TO CUTTING EXISTING CONSTRUCTION, DETERMINE THE PRESENCE OF AND PROTECT ACTIVE TELECOMMUNICATION, DATA &

REMOVE WALL COMPLETE

FOR NEW FINISH.

EXISTING CONSTRUCTION TO REMAIN

REMOVE DOOR AND FRAME COMPLETE

EXISTING DOOR AND FRAME TO REMAIN

REMOVE WALL/FLOOR CERAMIC TILE COMPLETE AND PREPARE FLOOR AND WALLS

REMOVE TOILET AND LAVATORY COMPLETE.

REMOVE EXISTING CONSTRUCTION AS NOTED

ELECTRICAL LINES AND PIPING WHICH MAY BE DAMAGED BY SUCH 5. REMOVE AND REINSTALL ITEMS TO BE SALVAGED WHERE INDICATED AND WHERE ADVISED BY OWNER. CONTRACTOR TO

DEVICES, HARDWARE, ETC.

6. CONTRACTOR TO FOLLOW OWNER'S REQUIREMENTS FOR ENSURING SECURITY AND SAFETY OF THE BUILDING THROUGH DEMOLITION AND CONSTRUCTION.

THAT EXISTING CONSTRUCTION TO REMAIN IS NOT DAMAGED. REPAIR OR REPLACE EXISTING CONSTRUCTION DAMAGED BY DEMOLITION ACTIVITIES.

8. CONTRACTOR IS TO PROVIDE COMPLETE DUST PROOF ENCLOSURE IN ALL AREAS WHERE DEMOLITION IS TO OCCUR. 9. FLOORS: REMOVE ALL DEBRIS, DUST AND DIRT. CLEAN WITH WATER AND DETERGENT. WHERE INDICATED, REMOVE FLOOR FINISH DOWN TO STRUCTURAL SLAB WHERE INDICATED.

10. WHERE EXISTING PLASTER AND CONCRETE WALLS AND COLUMNS ARE TO REMAIN: REMOVE ALL LOOSE AND PEELING PAINT BY SCRAPPING. REMOVE UNSTABLE PLASTER FROM INTERIOR FACE OF EXTERIOR WALL. STABLE PLASTER SHALL REMAIN. CLEAN WITH WATER AND DETERGENT.

11. CONTRACTOR IS TO VACUUM ACCESS CORRIDORS AT THE END OF EACH DAY, AT A MINIMUM.

12. CONTROL NOISE, VIBRATION, AND ANY OTHER DISTURBING FACTORS. COORDINATE WORK HOURS WITH OWNER PRIOR TO PROCEEDING WITH THE WORK.

13. SCHEDULE ALL DEMOLITION AND CONSTRUCTION WORK WITH DESIGNATED OWNER'S REPRESENTATIVE TO MINIMIZE DISRUPTION OF CAMPUS ACTIVITIES.

14. NOT USED

16. WHEN REMOVING MECHANICAL AND ELECTRICAL ITEMS, REMOVE ALL ASSOCIATED CONSTRUCTION INCLUDING FASTENERS, CABLE, RODS, ETC.

17. INVENTORY SALVAGED ITEMS: LIST SHALL INCLUDE DESCRIPTION OF ITEM, DIMENSIONS (OVERALL WIDTH, HEIGHT, DEPTH), COLOR, APPROX. WEIGHT. AND PHOTO.

18. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION. 19. DO NOT PROCEED WITH NEW FLOOR OPENINGS OR WALL

OPENINGS UNTIL NEW SUPPORT STRUCTURE IS IN PLACE, SEE 20. PROVIDE CONSTRUCTION WASTE MANAGEMENT PLAN PRIOR TO

THE START OF DEMOLITION. TARGET 50% RECYCLING OF CONSTRUCTION WASTE. REFER TO WSU OEHS PLAN FOR WASTE

21. NOT USED 22. REMOVE ALL CEILINGS AND SUPPORT SYSTEMS COMPLETE

23. REMOVE ALL FLOOR FINISHES AND WALL BASE COMPLETE WHERE INDICATED AND PREPARE FLOOR FOR NEW FINISH. 24. REMOVE WALLS (SHOWN DASHED) IN THEIR ENTIRETY INCLUDING ALL ELECTRICAL, DATA AND MECHANICAL WORK.

> MASONRY WALLS SHALL BE REMOVED DOWN TO TOP OF STRUCTURAL SLAB. WALLS TO BE REMOVED MAY HAVE LEAD BASED AND/OR LEAD CONTAINED PAINT. COORDINATE W/ ABATEMENT CONTRACTOR.

25. DO NOT REMOVE ELEMENTS SLATED TO REMAIN OR TO BE REPAIRED. REFER TO SCOPE OF WORK.

26. CONTRACTOR SHALL PROTECT ALL STRUCTURAL ELEMENTS FROM DAMAGE DURING CONSTRUCTION.

SCOPE OF WORK

1" = 40'-0"

27. REFER TO OWNER'S ASBESTOS AND LEAD CONTAINING PAINT SURVEY REPORT AND HAZARDOUS MATERIALS REPORT PRIOR TO ANY DEMOLITION. OWNER IS RESPONSIBLE FOR ALL HAZARDOUS MATERIAL REMEDIATION.

WSU - GATEWAY THEATER COMPLEX

BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024

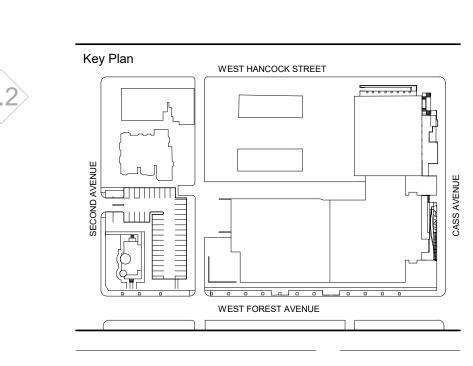
WSU PROJECT NO. 189-178578

LEVEL TWO -**CONTROL BOOTH** DEMOLITION

Project Number: 2018034.00

Scale: As indicated





BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024

WSU - GATEWAY

THEATER COMPLEX WSU PROJECT NO. 189-178578 **VALADE CONTROL**

Project Number: 2018034.00

BOOTH

<3.2> <3.0>

F6

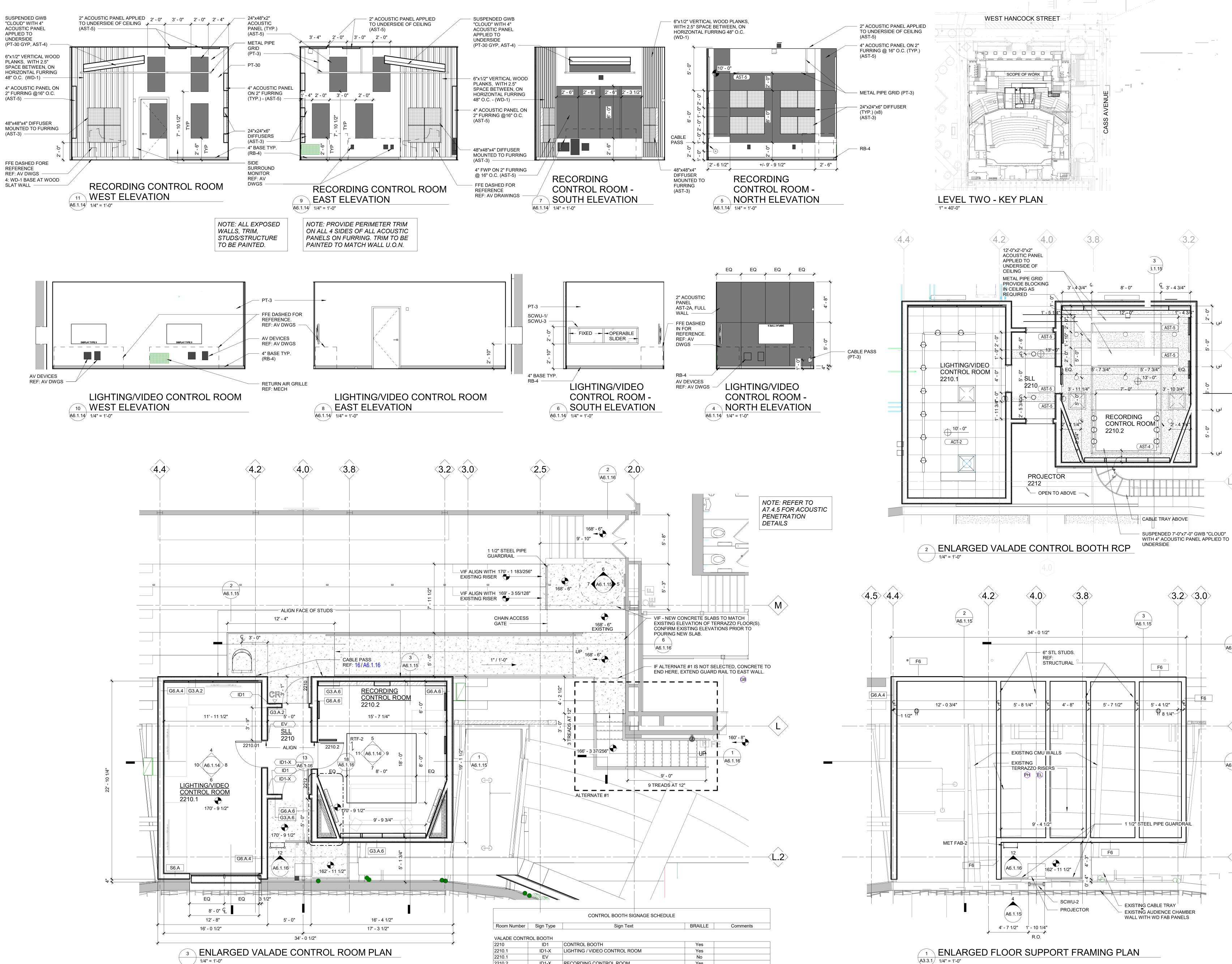
5' - 4 1/2"

A6.1.16

A6.1.15

Scale: As indicated





ID1-X RECORDING CONTROL ROOM

ID1 PROJECTOR

REFER TO SHEET A7.8.1 FOR SIGNAGE TYPES AND INFORMATION.

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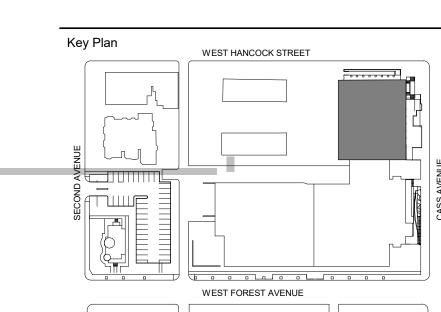
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DETROIT, MI



BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024

WSU - GATEWAY

THEATER COMPLEX WSU PROJECT NO. 189-178578 VALADE CONTROL

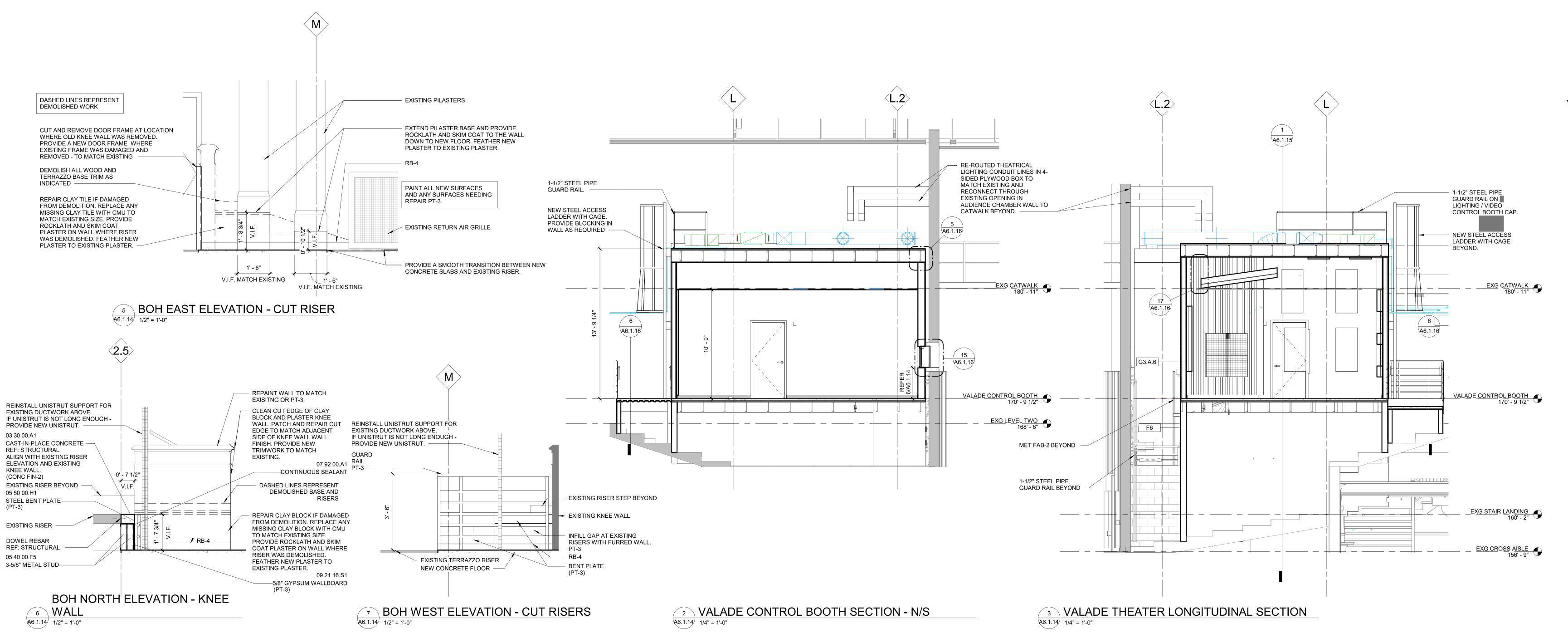
BOOTH

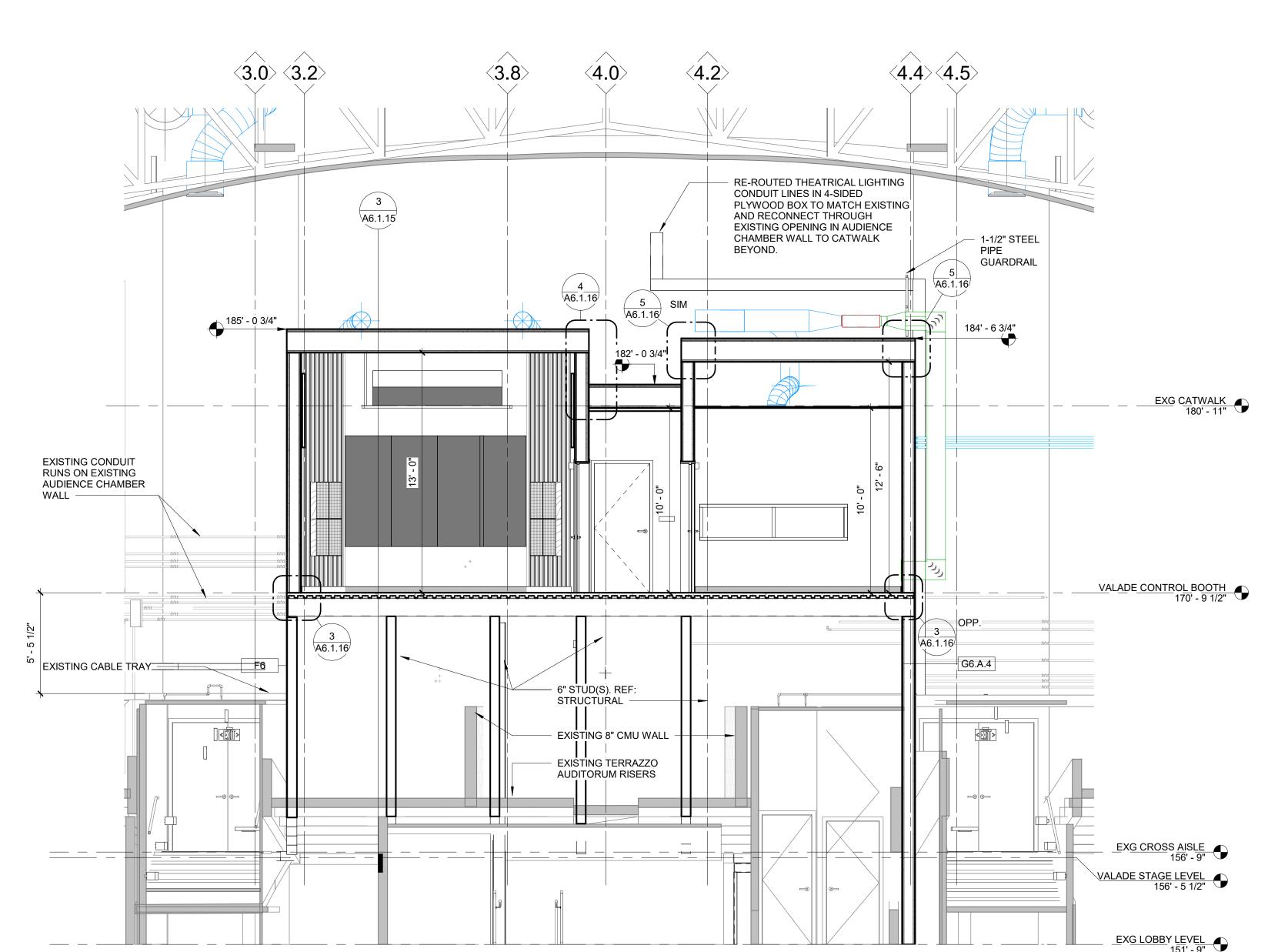
Project Number: 2018034.00

Scale: As indicated

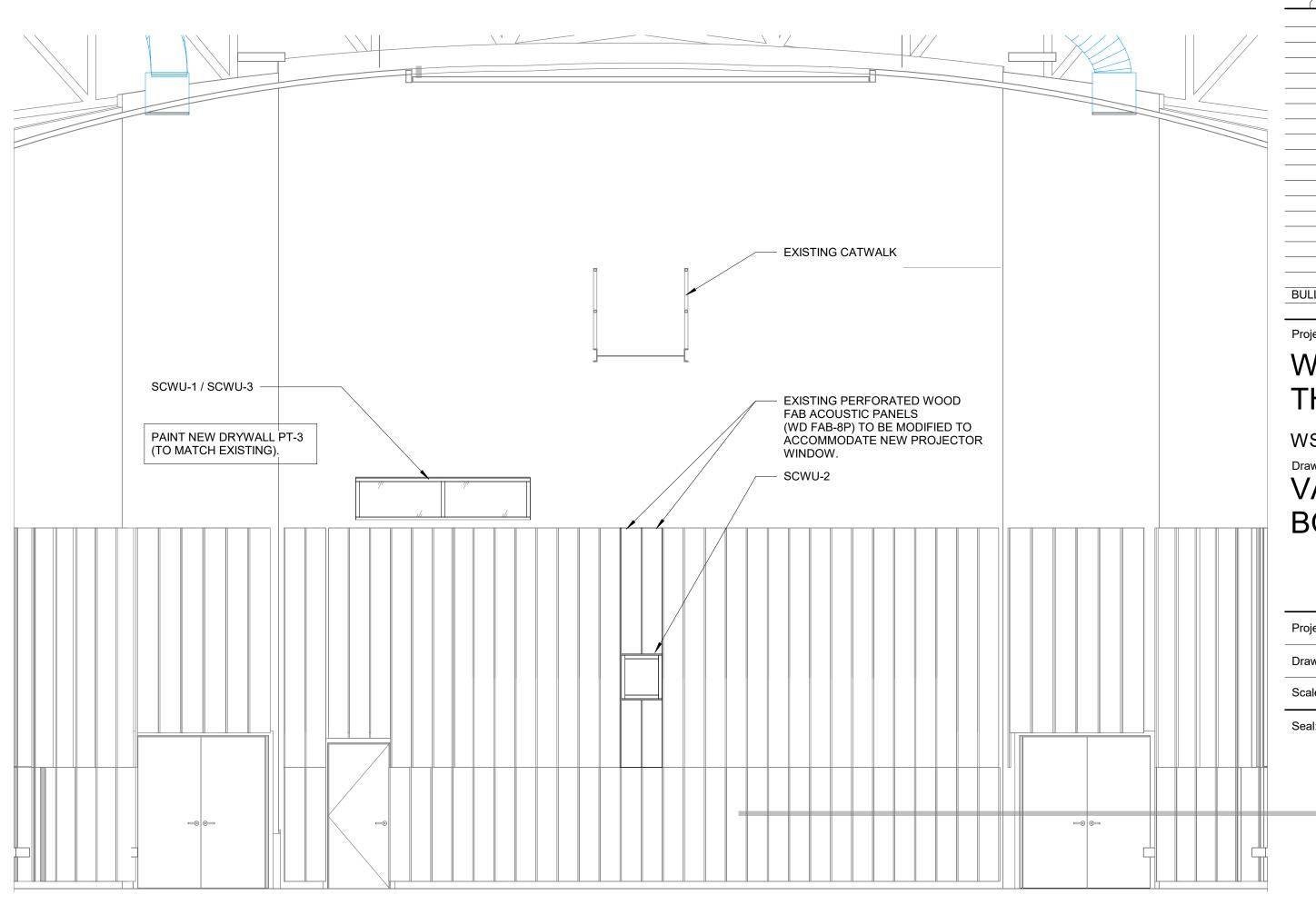


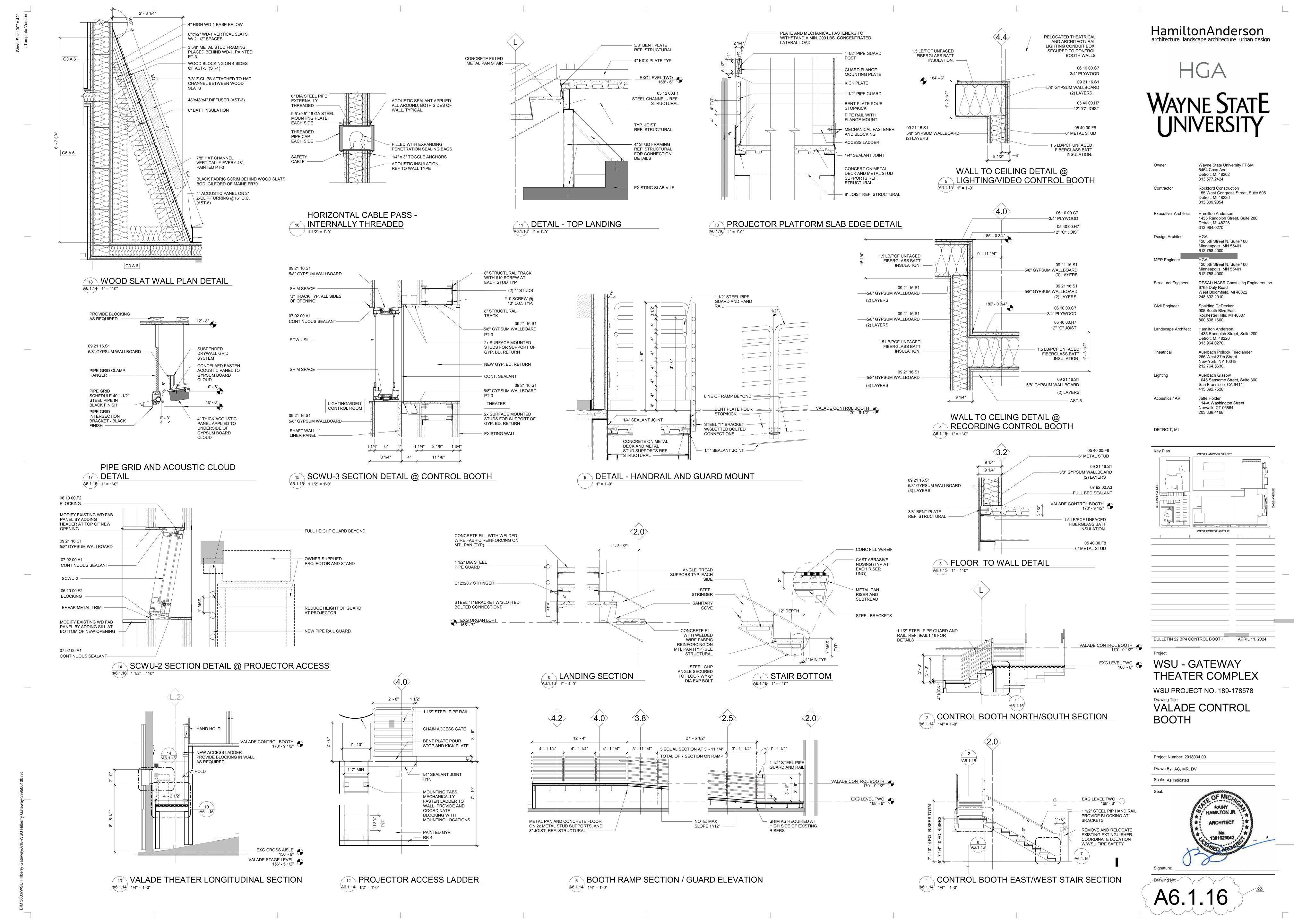
4 AUDIENCE CHAMBER NORTH ELEVATION
A6.1.14 1/4" = 1'-0"





1 VALADE CONTROL BOOTH SECTION - E/W 1/4" = 1'-0"





						DOOK AND I	NIEKIUK UP	ENING SCHEDU	ILE - VALADE C	EN I EK			
		SI	ZE		DOOR				FRAME				
NUMBER	RATING	WIDTH	HEIGHT	DOOR TYPE	MATERIAL	FINISH	FRAME TYPE	MATERIAL	FINISH	HEAD	JAMB	HARDWARE GLASS TYPE	Comments
EXG BASEME	ENT 7		À	\									
0101		6' - 0"	7' - 0"	F	НМ	PT-29	WA	HM	PT-29			69.0	17, 19, 26
0102	45 MIN	3' - 6"	7' - 0"	F	HM	PT-20	WA	HM ^	PT-20			50.0	1, 2, 7, 8, 9, 10, 11
0110 EXG GRADE		3' - 0"	7' - 0"	F	WD	ST-1	WD1	WD /7	PT-20			67.0	14, 27
1190.22A		5' - 0"	7' - 0"	F	НМ	PT-50	WA-R	НМ	PT-50			102	
EXG LOBBY I	FVFI	- 0 0	, ,	ı	1 1141	1100	77/11	1 IIVI	1 1 00			102	
1102	45 MIN	6' - 0"	7' - 0"	12P	WD	ST-1	WD1	WD	ST-1			40.0	17
1103	10 101111	3' - 0"	7' - 0"	12P	WD	ST-1	WD1	WD	ST-1			67.1	14, 24, 27
1105		2' - 10"	7' - 0"	12P	WD	ST-1	WD1	WD	ST-1			42.0	24
EXG VESTIBL	JLE		7			. .		5	J			1	-:
1118		7' - 0"	7' - 0"	F	WD	PT-3	WA	HM	PT-3			39.0	17, 19, 26
1119		3' - 0"	7' - 0"	F	WD	ST-1	WD1	WD	ST-1			92.2	REUSE DOOR FROM 3190.
1121		3' - 0"	7' - 0"	12P	WD	ST-1	WD1	WD	ST-1			67.1	. LEGGE BOOK I KOW 0130.
1123		2' - 8"	7' - 0"	12P	WD	ST-1	WD1	WD	ST-1			42.0	
1128		3' - 0"	7' - 0"	2P	WD	ST-1	WD1	WD	ST-1			66.1	1, 2, 7, 8, 9
1128.1		3' - 0"	7' - 0"	2P	WD	ST-1	WD1	WD	ST-1			67.1 19	14 6
1190.18B		3' - 0"	7' - 0"	E E	WD	ST-1	WD1	WD	PT-3/PT-20			25.0	1, 2, 7, 8, 9, 10, 11
1190.105		7' - 0"	8' - 0"	I E	WD	PT-3	WA	HM	PT-3			78.0	1, 2, 3, 4, 5, 6, 17, 18, 19, 26
	TE AT STAGE		0 - 0	I	VVD	F 1-3	VVA	I IIVI	F 1-3			70.0	1, 2, 3, 4, 3, 0, 17, 10, 13, 20
1110	IL AT STAGE	2' - 6"	6' - 8"	5P	WD	ST-1	WD1	WD	ST-1			50.1	1, 2, 7, 8, 9, 10, 116
1190.19C		6' - 0"	8' - 0"	JF	WD	PT-3/PT-20	WA	HM	PT-3/PT-20			21.0	
1190.190		6' - 0"	8' - 0"	I E	WD	PT-3	WA	HM	PT-3			78.0	1, 2, 7, 8, 9, 10, 11, 17 1, 2, 3, 4, 5, 6, 17
VALADE STA	CE LEVEL	0 - 0	0 - 0	Г	VVD	F1-3	VVA	ПІИ	F1-3			70.0	1, 2, 3, 4, 3, 0, 17
1190.22	J I	5' - 0"	6' - 8"	2P	WD	PT-3/PT-20	WA	НМ	PT-3/PT-20			78.0	1, 2, 3, 4, 5, 6, 17
EXG CROSS	AICI E	3 - 0	0 - 0	2P	VVD	P1-3/P1-20	VVA	ПІИ	P1-3/P1-20			76.0	1, 2, 3, 4, 3, 0, 17
1113	AIGLL	3' - 0"	8' - 0"	F	WD	ST-1	WA	HM	PT-20			57.0	16, 26
1116		3' - 0"	7' - 0"	Г	WD	ST-1	WA	HM	PT-20			43.1	16, 26 1, 2, 7, 8, 9, 10, 11, 18
1126		3' - 0"	7' - 0"	2P	WD	ST-1	WD1	HM	ST-1			46	1, 2, 1, 0, 9, 10, 11, 10
1190.06		6' - 0"	7' - 0"	ZP	WD	ST-1	WD1	HM	PT-3			77.0	1, 2, 3, 4, 5, 6, 17
1190.06		2' - 10"	6' - 8"	Г	WD	ST-1	WD1	WD	ST-1			53.0	
1190.13		6' - 0"		F		ST-1	WD1		PT-3			77.0	1, 2, 3, 4, 5, 6
1190.14		3' - 0"	7' - 0" 7' - 0"	2P	WD WD	ST-1	WD1	HM HM	ST-1			82.1	1, 2, 3, 4, 5, 6, 17
1190.16 1190.18A		3' - 0"	7 - 0"	2P 2P	WD	ST-1	WD1	HM	ST-1			25.0	1, 2, 3, 4, 5, 6, 34 1, 2, 7, 8, 9, 10, 11
1190.16A 1190.19A		3' - 0"	7 - 0"	2P 2P	WD	ST-1	WD1	HM	ST-1			25.0	1, 2, 7, 8, 9, 10, 11
		6' - 0"	7' - 0"	F F	HM	PT-20		HM	PT-20			15.1	
1190.19B JPPER LEVE	/QT\	0 - 0	1 - 0	Г	ПІУІ	r 1-20	WA-R	ПІVІ	r1-20			1J. I	18, 19, 20.
3190.38	.L (O1)	2' - 6"	7' - 0"	E	_		WD1	-	_			92.3	21, 23
3190.36		2' - 6"	7 - 0"	F F	-	-	WD1	_				92.3	21, 23
EXG ORGAN	LOFT	2-0	1 - 0	I	-	-	VVDI	-	-			J2.J	L1, LU
2126	LOII	3' - 0"	7' - 0"	E	WD	ST-1	WD1	HM	PT-20			51.1	1, 2, 7, 8, 9
2128		3' - 0"	7 - 0"	F	WD		WD1	HM	PT-20			51.1	1, 2, 7, 8, 9
2128.1		2' - 8"	7 - 0"	F	WD	ST-1 6 ST-1	WD1	WD	6 ST-1			54.0	1, 4, 1, 0, 9
Z 128. I EXG LEVEL T		2 - 0	1 - 0	Г	VVU	—-31-1	וטאא	VVD	— 31-1			04.0	
2101		3' - 0"	7' - 0"	F	WD	PT-20	WD1	WD	PT-20			66.0	
Z I U I	 K	J - U	1 - 0	Γ	VVD	Γ1 - 20	וטאא	VVU	Γ1 - 20			00.0	
. Y(2 ('A) \A/A													
EXG CATWAL 3190.21		3' - 0"	3' - 0"	Е	WD	PT-3	WA	HM	PT-3			55.0	1, 2, 7, 8, 9, 10, 11, 33

DOOR 1190.25B IS ELIMINATED FROM THE NEW WORK DOOR SCHEDULE AND IS EXISTING TO REMAIN.

DOORS 1123, 3190.20, 3190.30 ARE ELIMINATED FROM THE NEW WORK DOOR SCHEDULE AND IS EXISTING TO REMAIN. DOOR NUMBER 1130 WAS CHANGED TO DOOR NUMBER 1128.1

	SI	ZE		DOOR				FRAME				
NUMBER RATING		HEIGHT	DOOR TYPE	MATERIAL	FINISH	FRAME TYPE	MATERIAL	FINISH	HEAD	JAMB	HARDWARE	Comments
VALADE CONTROL BOOTH	l											
2210	3' - 0"	7' - 0"	F	INSULATED HM	PT-3 / PT-30	WA	HM	PT-3 / PT-30	1/A7.1.3	1/A7.1.3	35.0	1, 2, 7, 8, 9, 10, 11, 28,36
2210.01	3' - 0"	7' - 0"	F	INSULATED HM	PT-3 / PT-30	WA	HM	PT-3 / PT-30	1/A7.1.3	1/A7.1.3	63.0	26, 36, 37
2210.2	3' - 0"	7' - 0"	F	ACOUSTIC HM	PT-30	WA	НМ	PT-30			SEE SPECIFICATION & COMMENT 36	ACOUSTIC RATED DOOR AN FRAME ASSEMBLY. AST-5 ATTACHED TO FACE OF DOOR. REFER TO ELEVATIONS.
2212	3' - 0"	7' - 0"	F	INSULATED HM	PT-3 / PT-30	WA	HM	PT-3 / PT-30	1/A7.1.3	1/A7.1.3	63.0	26, 36, 37

				EX	ISTING DOOR	AND INTERIO	R OPENING SCH	IEDULE - VAL	ADE CENTER			
	SI	ZE		DOOR		FDAME		FRAME				
NUMBER RATING	WIDTH	HEIGHT	DOOR TYPE	MATERIAL	FINISH	FRAME TYPE	MATERIAL	FINISH	HEAD .	JAMB HARDWARE	GLASS TYPE	Comments
EXG LINE OF BOILER RM	0, 0,		_						1	lana		
0121 EXG BASEMENT	3' - 0"	7' - 0"	F	-	-	WD1	-	-		92.0		21, 23
0104 0105	2' - 4" 3' - 0"	7' - 0" 7' - 0"	F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
0106	2' - 6"	7' - 0"	F	-	-	WD1	-	-		92.0		21, 23
0107 0108	3' - 0" 2' - 6"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
0109 0111.01	2' - 6" 3' - 0"	7' - 0" 7' - 0"	F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
0111.02	2' - 6"	7' - 0"	F	-	-	WD1	-	-		92.0		21, 23
0112 0190.03A	2' - 4" 4' - 6"	7' - 0" 7' - 0"	F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
0190.03B	4' - 6"	7' - 0"	F	-	-	WD1	-	-		92.0		21, 23
0190.03C 0190.03D	4' - 6" 4' - 6"	7' - 0" 7' - 0"	F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
0190.07 0190.08	3' - 0" 3' - 0"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
0190.10A	3' - 0"	7' - 0"	F	-	-	WD1	-	-		92.0		21, 23
0190.10B 0190.10C	3' - 0" 3' - 4"	7' - 0" 7' - 0"	BF4	-	-	WD1	-	-		92.0 92.0		21, 23 21, 23
0190.10D 0190.14	3' - 4" 3' - 0"	7' - 0" 7' - 0"	BF4	-	-	- WD1	-	-		92.0 92.0		21, 23 21, 23
0190.14A	3' - 4"	7' - 0"	BF4	-	-	-	-	-		92.0		21, 23
EXG LINE OF FAN ROOM 0123	3' - 0"	4' - 0"	F	-	-	WD1	-	-		92.0		EXISTING STEEL FIRE DOOR
0124	3' - 0"	7' - 0"	F	-	-	WD1	-	-		92.0		TO ACCESS PLENUM SPACE. 21, 23
0126	3' - 0"	7' - 0"	F	-	-	WD1	-	-		92.0		21, 23
0187.20B 0187.20C	3' - 0" 3' - 0"	4' - 0" 4' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
0187.20D 0187.20E	3' - 0" 3' - 0"	4' - 0" 4' - 0"	F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
0187.20F	3' - 0"	4' - 0"	F	-	<u>-</u>	WD1	-	-		92.0		21, 23
0187.20G 0187.20H	3' - 0" 3' - 0"	4' - 0" 4' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
0187.20I EXG PLENUM CHAMBER	3' - 0"	4' - 0"	F	-	-	WD1	-	-		92.0		21, 23
0187.20A 1137	2' - 6" 2' - 6"	7' - 0" 7' - 0"	F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
EXG GRADE			' -									
1190.25A EXG BOH	5' - 4"	8' - 0"	F	WD	PT-23	WD1	WD	PT-23		92.3		21, 23
1108 1109	2' - 10" 3' - 0"	6' - 8" 7' - 0"	F	-	-	WD1 WD1	-	-		92.3 92.3		21, 23 21, 23
1111.1	3' - 0"	7' - 0"	F	-	-	WD1	-	-		92.3		21, 23
1111.02 1190.25C	2' - 6" 2' - 4"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.3 92.3		21, 23 21, 23
EXG LOBBY LEVEL	6' - 0"	8' - 0"								92.3		21, 23
1100.A	6' - 0"	7' - 6"	F	-	-	WD1	-	-		93.0		18, 21, 23, 35
1101 1104	3' - 0" 2' - 10"	7' - 0" 6' - 8"	F F	- WD	- ST-1	WD1 WD1	- WD	- ST-1		67.1 94.0		14, 21, 23, 27 21, 23, 28
1107 1190.03B	3' - 0" 6' - 0"	7' - 0" 8' - 0"	F	-	-	WD1	-	-		92.3 92.3		21, 23 21, 23
1190.03D	6' - 0"	8' - 0"								92.3		21, 23
1190.03F 1190.09	6' - 0" 2' - 8"	8' - 0" 7' - 0"	F	-	<u> </u>	WD1	-	<u> </u>		95.0 92.3		21, 23, 25 21, 23
1190.10	2' - 10"	7' - 0"	F	-	-	WD1	-	-		92.3		21, 23
1190.11 1190.12	2' - 10" 2' - 10"	7' - 0" 6' - 8"	F	-	-	WD1 WD1	-	-		92.3 92.3		21, 23 21, 23
1190.12.1 1190.22A	2' - 10" 6' - 0"	6' - 8" 8' - 0"	F	-	-	WD1	-	-		92.3 96.0		21, 23 12, 21, 23
EXG VESTIBULE	21 011	71 011	OD.	WD	OT 4	WD4	WD	OT 4				, ,
1111 1117	3' - 0" 3' - 0"	7' - 0" 7' - 0"	2P F	WD -	ST-1 -	WD1 WD1	WD -	ST-1 -		50.1 92.3		21, 23
1127 1127.1	2' - 8" 2' - 4"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.2 92.1		7, 8, 9, 21, 23 21, 23
EXG STAIR LANDING			, , ,									
2190.05 2190.15	5' - 2" 5' - 2"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
EXG FL LINE OF TOILET RI 2102	И 3' - 0"	7' - 0"	F	-	-	WD1	-	-		97.0		14, 21, 23
2107	3' - 0"	7' - 0"	F	-	-	WD1	-	-		97.0		14, 21, 23
LEVEL TWO 1131	3' - 0"	7' - 0"	F	-	-	WD1	-	-		98.0		21, 23, 28
EXG ORGAN LOFT 2122	2' - 10"	6' - 8"	F	-	-	WD1	-	-		92.0		21, 23
2123.01 2123.02	2' - 8" 2' - 8"	7' - 0" 7' - 0"	F	-	-	WD1 WD1	-	-		92.4 92.4 – 19		7, 8, 9, 21, 23 7, 8, 9, 21, 23
2124.01 2124.02	2' - 8" 2' - 10"	7' - 0" 6' - 8"	F	-	-	WD1 WD1	-	-		92.4 92.4		7, 8, 9, 21, 23 7, 8, 9, 21, 23
2127.01	3' - 0"	7' - 0"	F F	-	-	WD1	-	-		101.0		7, 8, 9, 21, 23
2190.22 EXG LEVEL TWO	2' - 8"	7' - 0"	<u> </u>	-	-	WD1	-	-		92.0		21, 23
2100.01 2100.02	3' - 0" 3' - 0"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.0		21, 23
2105.01	4' - 4"	7' - 0"	F	-	-	WD1	-	-		92.0		21, 23
2105.02 2109	4' - 4" 2' - 10"	7' - 0" 7' - 0"	F F	-	-	WD1 WD1	-	-		92.0 92.0		21, 23 21, 23
2110 EXG LINE OF FAN RM	3' - 0"	7' - 0"	F	-	-	WD1	-	-		98.0		21, 23, 28
3123.A	2' - 8"	7' - 0"	F	-	-	WD1	-	-		92.0		21, 23
3123.B	2' - 8"	7' - 0"	1 F	-	-	WD1	-	-	1	92.0	1	21, 23

DOOR SCHEDULE COMMENTS

GENERAL: ALL NEW DOORS TO HAVE DOOR SILENCERS UNLESS NOTED OTHERWISE.

SOLID CORE WOOD DOOR

METAL FRAME PACKED WITH INSULATION. SELF-ADHESIVE WEATHER-STRIPPING APPLIED TO THE HEAD AND JAMBS OF THE DOOR FRAME.

DOOR UNDERCUT SHOULD BE LIMITED TO 3/8 INCH FOR ACOUSTICAL REASONS.

NO ACOUSTICAL TREATMENT AT THE ASTRIGAL IS REQUIRED.

HEAD AND JAMBS OF THE DOOR FRAME.

NO DOOR LATCH FOR ACOUSTICAL REASONS. HEAVY DUTY ADJUSTABLE GASKETS APPLIED TO THE

HEAVY DUTY AUTOMATIC DOOR BOTTOM SEAL, SURFACE MOUNTED.

HARD, NON-CARPETED THRESHOLD. SEE FINISH PLANS.

SURFACE MOUNTED ASTRAGAL SEALS.

11. DOORS TO LATCH FOR PROPER OPERATIONS OF ACOUSTICAL SEALS.

12. CARD READER - HARD WIRED SOLUTION

13. AUTOMATIC OPERATOR (ONE LEAF)

14. FOOT OPERATED DOOR OPENER.

EXISTING DOOR LEAF.

SELF-CLOSING.

17. NO CENTER MULLION. 18. SMOKE / SOUND SEAL GASKET.

19. 180 DEGREE DOOR SWING.

20. REMOVABLE CENTER MULLION.

21. EXISTING DOOR, EXISTING FRAME.

22. MAGNETIC LOCK, PUSH TO EXIT AND OVERRIDE SWITCHES ARE UNDER 11 61 35 WORK. COORDINATE WITH PIT LIFT CONTRACTOR.

23. NEW DOOR HARDWARE CORES, ALL OTHER EXISTING

DOOR HARDWARE TO REMAIN. (U.N.O.)

24. DOOR STAINED TO MATCH EXISTING LOBBY DOORS. WOOD FRAMING CASING TO MATCH EXISTING.

25. PROVIDE NEW PNEUMATICS FOR EXISTING DOOR OPERATOR. REF: ELECTRICAL DRAWINGS.

26. HOLD-OPEN.

27. OCCUPANCY INDICATOR

28. CARD READER - WSU ONE CARD

29. MECHANICAL BYPASS - KEY AND CARD.

NON-STC RATED, INTERNALLY INSULATED ASSEMBLY WITH WEATHER TIGHT CLOSURE.

31. DOOR SWITCH MONITOR. DOOR TO BE MONITORED BY

WSU POLICE ALARM SYSTEM. 32. ONE ACTIVE LEAF, FLUSH BOLT ON OTHER LEAF.

33. V.I.F. DOOR OPENING PER EXISTING WALL OPENING.

34. HEAVY DUTY DOOR HINGE.

35. PROVIDE NEW PULL AND PUSH PLATES ON EXISTING

36. FINISH ON ALL EXPOSE HARDWARE IN THE VALADE THEATER IS TO BE US10BE.

> PROVIDE 3 HINGES ONLY, NOT 4 AS INDICATED IN HARDWARE SET 63.0. ALL OTHER HARDWARE ELEMENTS TO BE PROVIDED IN QUANTITY INDICATED.

architecture landscape architecture urban design

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DETROIT, MI

Contractor

Civil Engineer

Key Plan WEST HANCOCK STREET

WEST FOREST AVENUE BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024 BULLETIN 21 BP4 DOCK LIFT FEB. 16, 2024 SEPT. 29, 2023 BULLETIN 19 BP4 2023-09-29 APRIL 16, 2021 BULLETIN 07 - BP4 2021-04-16 BULLETIN 06- BP4 2020-11-06 NOV. 6, 2020

OCT. 2, 2020

JUNE 29, 2020

PERMIT SET

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

DOOR SCHEDULE -VALADE

BULLETIN 05- BP4 2020-10-02

Project Number: 2018034.00

Drawn By: AC, MR, DV

	T				ROOM			IEDULE (
ROOM			FLOOI	R			WALLS		CEIL	LING	CASI	EWORK COUNTERTO	
1290.11	AREA 91 SF	ROOM NAME SLL	FINISH CPT-1	BASE RB-3	NORTH AST-1/PT -3	EAST PT-3	SOUTH PT-3	WEST PT-3	MATL ACT-2	FINISH ACT-2	CABINET	P	NOTES
1290.12	86 SF	SLL	CPT-1	RB-3	PT-3	PT-3	AST-1/PT-	PT-3	ACT-2	ACT-2	6		
1290.13	111 SF	SLL	CPT-1	RB-3	PT-3	PT-3	AST-1/PT-	PT-3	ACT-2	ACT-2			
1290.14 1290.15	974 SF 129 SF	CORRIDOR SLL/STAIR H	CONC FIN-2 CPT-1	RB-3 RB-3	PT-1 PT-3	PT-1 PT-3	PT-1 AST-1/PT-	PT-1 PT-3	EXP EXP	EXP/PT-3 EXP/PT-3	6		
1290.16 1290.18	234 SF 78 SF	SLL 13	CPT-1 STAINLESS	RB-3 STAINLE	PT-3 STAINLE	PT-3 STAINL	PT-3 STAINLES	AST-1/PT-3 STAINLESS	ACT-2 STAINLESS	ACT-2 STAINLESS	,		
1290.19	248 SF	STAIR I	CONC FIN-2	SS RB-3	SS PT-1	ESS PT-1	S PT-1	PT-1	EXP	PT-1/EXP			
1300	2,057 SF	SCENE PREPARATION	CONC FIN-2	RB-3	PT-1/FRP -1	PT-1	PT-1	PT-1	EXPOSED	EXP/PT-3			
1301	363 SF	PERFORMER LOUNGE	CPT-2	RB-3	PT-1	PT-1	PT-1	PT-1	ACT-1	ACT-1	PLAM-2	PLAM-1	
1303	571 SF	WARM-UP ROOM	WDF-2	SEE ELEV.	PT-1/AST -2A	PT-1	PT-1	PT-1/GL-91	ACT-1	ACT-1		DI AM 4	
1305 1305.01	325 SF 141 SF	DRESSING ROOM TOILET	RFT-1 CTF-5	RB-3 CTB-1	PT PT-1	PT PT-1	PT PT-1	PT CTW-2	ACT-1 ACT-1	ACT-1		PLAM-1	
1305.02	50 SF	SHOWER	CTF-3	-	CTW-2/P T-1	W-2/CT	CTW-3	PT-1/CTW-2/ CTW-3	GYP	GYP/PT-1			
1306	429 SF	DRESSING ROOM	RFT-1	RB-3	PT-1	W-3 PT-1	PT-1	PT-1	ACT	ACT-1		PLAM-1	
1306.01 1306.02	139 SF 50 SF	TOILET SHOWER	CTF-5 CTF-3	CTB-1	PT-1 CTW-3	PT-1/CT	PT-1 CTW-2/PT-	CTW-2 PT-1/CTW-2/	ACT-1 GYP	ACT-1 GYP/PT-1			
						W-2/CT W-3	1	CTW-3					
1309 1309.01	294 SF 151 SF	DRESSING ROOM TOILET	RFT-1 CTF-5	RB-3 CTB-1	PT-1 PT-1	PT-1 CTW-2	PT-1 PT-1	PT-1 PT-1	ACT-1 ACT-1	ACT-1 ACT-1		PLAM-1	
1309.02	49 SF	SHOWER	CTF-3	-	CTW-2/P T-1	PT-1/CT W-2/CT	CTW-3	PT-1/CTW-2/ CTW-3	GYP	GYP/PT-1			
1310	592 SF	DRESSING ROOM	RFT-1	RB-3	PT-1	W-3 PT-1	PT-1	PT-1	ACT-1	ACT-1		PLAM-1	
1310.01	143 SF 50 SF	TOILET SHOWER	CTF-5	CTB-1	PT-1 CTW-3	CTW-2	PT-1 CTW-2/PT-	PT-1	ACT-1 GYP	ACT-1 GYP/PT-1			
1310.02	30 31	SHOWLK	011-0	_	0144-3	W-2/CT W-3	1	CTW-3	OII	GII /I I-I			
1313 1314	2,553 SF 58 SF	COSTUME SHOP TOILET	CONC FIN-2 CTF-5	RB-3 CTB-1	PT-1 PT-1	PT-1 CTW-2	PT-1 PT-1	PT-1 PT-1	EXPOSED GYP	EXP/PT-3 GYP/PT-1			
1315	100 SF	FITTING	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	ACT-1	ACT-1			
1316 1317	58 SF 100 SF	TOILET FITTING	CTF-5 CONC FIN-2	CTB-1 RB-3	PT-1 PT-1	CTW-2 PT-1	PT-1 PT-1	PT-1 PT-1	GYP ACT-1	GYP/PT-1 ACT-1			
1318 1319	98 SF 108 SF	OFFICE OFFICE	CPT-2 CPT-2	RB-3	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	ACT-1 ACT-1	ACT-1			
1321 1322	103 SF 79 SF	OFFICE CUSTODIAL	CPT-2 CONC FIN-2	RB-3 RB-3	PT-1 PT-13	PT-1 PT-13	PT-1 PT-13	PT FRP-1	ACT-1 EXP	ACT-1 EXP/PT-3			
	379 SF	CRAFT ROOM	CONC FIN-2	+		PT-1	PT-1	PT-1	EXPOSED	EXP/PT-3			
1324 1325	117 SF 235 SF	ELEC DYE ROOM	CONC FIN-2	RB-3 FRP-1/RB	PT-1 FRP-1	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	EXPOSED EXP	EXP/PT-3 EXP/PT-3			
1326	53 SF	IDF	CONC FIN-2	-3 RB-3	PT-1	PT-1	PT-1	PT-1	EXPOSED	EXP/PT-3			
1327	198 SF	PAINT ROOM	CON FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-3			
1328 1329	717 SF 429 SF	PROP SHOP	CONC FIN-2	RB-3	PT-1 PT-1	PT-1	PT-1 PT-1	PT-1 PT-1	EXPOSED EXPOSED	EXP/PT-3 EXP/PT-3			
1330 1332	2,323 SF 113 SF	SCENE SHOP OFFICE	CONC FIN-2 CPT-2	RB-3	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	EXPOSED ACT-1	EXP/PT-3 ACT-1			
1333 1334	90 SF 109 SF	LASER CUTTER BREAK ROOM	CONC FIN-2 RFT-1	RB-3 RB-3	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	EXP ACT-1	EXP/PT-3 ACT-1	PLAM-2	PLAM-1	
1335 1336	763 SF 118 SF	DESIGN STUDIO OFFICE	CONC FIN-2 CPT-2	RB-3	PT-1 PT-1	PT-1 PT-1	PT-1	PT-1 PT-1	ACT-1 ACT-1	ACT-1			
1338	464 SF	SHOP CORRIDOR	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-3			
1340 1344	331 SF 113 SF	LOADING OFFICE	CONC FIN-2 CPT-2	RB-3	PT-1 PT-1	PT-1	PT-1	PT-1	ACT-1	EXP/PT-3 ACT-1			
1346 1348	200 SF 227 SF	TOOL ROOM CNC ROOM	CONC FIN-2	RB-3	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	EXP EXP	EXP/PT-3 EXP/PT-3			
1350 1390.01	852 SF 90 SF	METAL SHOP VESTIBULE	CONC FIN-2 CPT-22	RB-3	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	EXPOSED GYP	EXP/PT-3 GYP/PT-1			
1390.02 1390.03	853 SF 501 SF	CORRIDOR CORRIDOR	CONC FIN-2 CONC FIN-2	RB-3 RB-3	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	PT-1 PT-1	EXP EXP	EXP/PT-3 EXP/PT-3			
1390.04	1,162 SF 214 SF	CORRIDOR CORRIDOR	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXPOSED EXP	EXP/PT-3 EXP/PT-3		6	
1390.06	590 SF	CORRIDOR	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-3			
2100 2101	979 SF 68 SF	DONOR LOUNGE ACCESSIBLE TOILET	NOTE 1 CTF-20	PT-24 CTB-20	PT-20 PT-26	PT-20 CTW-20/	PT-20 PT-26	PT-20 PT-26	NOTE 5 EXIST.	ACT-1/PT-20 PT-25		SSF-1	
2102	191 SF	ROOM MENS	NOTE 1	NOTE 1	PT-25/CT	CTW-21 PT-25	PT-25	PT-25/CTW-2	ACT-1	ACT-1	6	SSF-1	
2103	60 SF	KITCHENETTE	CTF-20	CTB-20	W-25 PT-20	PT-20	PT-20/CT	5 PT-20	ACT-1	PT-20	PLAM-4	SSF-3	
2105	4,674 SF	UNUSED / STORAGE	EXIST.	EXIST.	PT-3	PT-3	W-22 PT-3	PT-3	EXIST.	PT-3			
2107	197 SF	WOMENS	NOTE 1		PT-25/CT W-25	PT-25/C TW-25	PT-25	PT-25	EXIST.	PT-20		SSF-1	
2109 2110	191 SF 100 SF	STORAGE / SHOP CONTROL ROOM	EXIST. CPT-20	PT-24 RB-4	PT-20 PT-3	PT-20 PT-3	PT-20 PT-3	PT-20 PT-3	EXIST. ACT-2	PT-20 ACT-2			
2110	4,694 SF	LIGHTING CONTROL ROOM	CPT	WD	AWT/AW P	AWT/AW P	AWT/AWP	AWT/AWP	AWT/AWP	AWT/AWP			
2115	116 SF	PROJECTOR	CPT	WD	AWT/AW P	AWT/AW P	AWT/AWP	AWT/AWP	AWT/AWP	AWT/AWP			
2122 2123	291 SF 530 SF	DRESSING ROOM DRESSING ROOM	NOTE 1 NOTE 1	NOTE 1	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	EXIST.	PT-20 PT-20		PLAM-3	
2124 2126	178 SF 133 SF	LOUNGE OFFICE	NOTE 1 CPT-20	NOTE 1 RB-4	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	EXIST. ACT-1	PT-20 ACT-1			
2127 2128	72 SF 329 SF	CORRIDOR OFFICE	CPT-20 CPT-20	RB-4	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	PT-20 ACT-1	ACT-1	13		
2128.1	16 SF	CLOSET	CPT-20	RB-4	PT-20	PT-20	PT-20	PT-20	ACT-1	ACT-1			
2129	50 SF	CATWALK ACCESS	NOTE 1	NOTE 1 / RB-4	PT-3	PT-3/AS T-1		PT-3	EXIST	PT-20			
2190.02	46 SF	ELEV #1	RTF-3	NOTE 2	STAINLE SS	ESS	S	STAINLESS	- EVICT	STAINLESS			
	386 SF 378 SF	STAIR A STAIR B	NOTE 3	NOTE 6	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	EXIST.	PT-21 PT-21			
2190.22 2190.25	21 SF 163 SF	CORRIDOR STAIR E	NOTE 1 PT-27	NOTE 1 PT-28	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	PT-20 PT-20	EXIST. EXIST.	PT-20 PT-20			
	91 SF 421 SF	STAIR D CONTROL ROOM (ST)	NOTE 1 CPT-1	PT-24 RB-3	PT-20 PT-3	PT-20 PT-3/AS	PT-20 PT-3	PT-20 PT-3	EXIST. ACT-2	PT-20 ACT-2			
	312 SF	DIMMER	CONC FIN-2	RB-3	PT-1	T-1 PT-1	PT-1	PT-1	EXPOSED	EXP/PT-3			
	512 SF	AUDIO RACK	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXPOSED	EXP/PT-3			
2231 2233	481 SF	STORAGE	CON FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-3			

				F	ROOM	FINIS	SH SCH	IEDULE	CONT.				
DOOM			FLOOF	}			WALLS		CEIL	ING	CASE	WORK	
ROOM NUMBER 2290.04	AREA 113 SF	ROOM NAME GALL/CRTL ACCESS - STAIR F	FINISH CONC FIN-2	BASE RB-3	NORTH PT-3/AST -1	EAST PT-1	SOUTH PT-1	WEST PT-1	MATL EXP	FINISH EXP/PT-1	CABINET	COUNTERTO P	NOTES
2290.05	79 SF	STAIR G	CPT-1	RB-3	PT-3/AST -1	PT-1	PT-1	PT-1	EXP	EXP/PT-1			
2290.06	215 SF	TECH	MET FAB-14										
2290.07	131 SF	CRTL ACCESS/ STAIR	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-1			
2290.08	255 SF	SLL	CPT-1	RB-3	PT-3	PT-3	PT-3	PT-3	ACT-2	ACT-2			
2290.08	501 SF	MECH 6	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	PT-3			
2290.09	35 SF	LIFT-3	-	-	PT-1	PT-1	PT-1	PT-1	EXP	PT-1			
2290.10	30 SF	SLL	CPT-1	RB-3	PT-3	PT-3	PT-3	PT-3	ACT-2	ACT-2			
2290.12	85 SF	SLL	CPT-1	RB-3	PT-3	PT-3	PT-3/AST-	PT-3	ACT-2	ACT-2			
2290.15	129 SF	STAIR H	CPT-1	RB-3	PT-3	PT-3	AST-1/PT-	PT-3	EXP	PT-3			
2290.16	243 SF	CORRIDOR	CPT	WD	AWT/AW	AWT/AW	AWT/AWP	AWT/AWP	AWT/AWP	AWT/AWP			
2290.17	82 SF	TECH	-	-	PT-3	PT-3	PT-3	PT-3	EXP	PT-3			
2290.19	248 SF	STAIR I	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-1			
2290.20	83 SF	VESTIBULE	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXPOSED	EXP/PT-3			
2290.22	23 SF	ROOF ACCESS STAIR	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	PT-1			
2315	6,364 SF	MECHANICAL PENTHOUSE	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-3			
2325	1,539 SF	WATER ROOM	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXPOSED	EXP/PT-3			
	377 SF	FAN ROOM	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.			
3134	275 SF	EXISTING ECHO ORGAN LOFT	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.			
3190.10	1,218 SF	CATWALK	EXIST.	EXIST.	PT-3	PT-3	PT-3	PT-3	EXP	PT-3			EXISITING CATWALK TO BE PAINTED PT-3
3190.20	9,755 SF	CATWALK	EXIST.	EXIST.	PT-3	PT-3	PT-3	PT-3	EXP	EXP/PT-3			EXISITING CATWALK TO BE PAINTED PT-3
3190.25	46 SF	STAIR E	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-1			
3190.30	1,498 SF	CATWALK	EXIST.	EXIST.	PT-3	PT-3	PT-3	PT-3	EXP	PT-3			EXISITING CATWALK TO BE PAINTED PT-3
3200	303 SF	LIGHTING CONTROL ROOM	CPT-1	RB-3	PT-3	PT-3	PT-3	PT-3	ACT-2	ACT-2		PLAM-1	
3202	65 SF	PROJECTOR	CPT-1	RB-3	PT-3	PT-3	PT-3	PT-3	ACT-2	ACT-2			
3204	304 SF	AUDIO/VIDEO CONTROL ROOM	CPT-1	RB-3	PT-3	PT-3	PT-3	PT-3	ACT-2	ACT-2		PLAM-1	
3225	3,306 SF	TENSION GRID	-	-	PT-3	PT-3	PT-3	PT-3	EXP	PT-3			
3290.05	82 SF	TECH	MET FAB-14	-	PT-3	PT-3	PT-3	PT-3	EXP	PT-3			
3290.06	2,882 SF	TECH GALLERY	MET FAB-14	-	PT-3	PT-3	PT-3	PT-3	EXP	PT-3			
3290.07	131 SF	CRTL ACCESS/STAIR F	CONC FIN-2	RB-3	PT-1	PT-1	PT-1	PT-1	EXP	EXP/PT-1			
3290.09	35 SF	LIFT #3	-	-	PT-1	PT-1	PT-1	PT-1	EXP	PT-1			
	469 SF	TECH	-	-	PT-3	PT-3	PT-3	PT-3	EXP	PT-3			
3290.15	80 SF	TECH	MET FAB-14	-	PT-3	PT-3	PT-3	PT-3	EXP	PT-3/EXP			
3290.17	178 SF	TECH GALLERY	MET FAB-14	-	PT-3	PT-3	PT-3	PT-3	EXP	PT-3/EXP			
4120	275 SF	ECHO ORGAN LOFT	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.	N.I.C.			
4200	255 SF	FOLLOWSPOT	CPT-1	RB-3	PT-3	PT-3	PT-3	PT-3	ACT-2	ACT-2			
4201	152 SF	TECH	CPT-1	RB-3	PT-3	PT-3	PT-3	PT-3	ACT-2	ACT-2			
4202	231 SF	TECH	CPT-1	RB-3	PT-3	PT-3	PT-3	PT-3	ACT-2	ACT-2			
4235 4290.01	560 SF 46 SF	FORESTAGE GRID FOLLOW SPOT ACCESS	CONC FIN-2	- RB-3	PT-3 PT-1	PT-3 PT-1	PT-3 PT-1	PT-3 PT-1	EXP PT-1	EXP/PT-3 EXP/PT-1			
4290.05	4,991 SF	STAIR TECH	MET FAB-14	-	PT-3	PT-3	PT-3	PT-3	EXP	EXP/PT-3			
4290.08	4,258 SF	CATWALK	MET FAB-14		PT-3	PT-3	PT-3	PT-3	EXP	EXP/PT-3			
4290.08	197 SF	CATWALK	MET FAB-14	-	PT-3	PT-3	PT-3	PT-3	EXP	EXP/PT-3			
5240	2,866 SF	GRIDIRON	SEE STRUCTURAL - PT-3	-	PT-3	PT-3	PT-3	PT-3	EXP	PT-3			
5200.00	220 CE	LOADING CALLEDY			DT 2	DT 2	מ דמ	מ דח	EVD	מ דח			
5290.06	338 SF	LOADING GALLERY	MET FAB-14	-	PT-3	PT-3	PT-3	PT-3	EXP	PT-3			

ROOM			FLOOR	}		V	WALLS		CEIL	ING	CAS	EWORK		
NUMBER	JMBER AREA	ROOM NAME	FINISH	BASE	NORTH	EAST	SOUTH	WEST	MATL	FINISH	CABINET	COUNTERTOP	NOTES	
2105	4,201 SF	UNUSED/STORAGE	EXIST / CONC FIN-2	EXIST / RB-4	EXIST / PT-3	EXIST / PT-3	EXIST / PT-3	EXIST / PT-3	EXIST	EXIST.	-	-	ALL NEW WALLS TO HAVE RB-4. ALL EXPOSED CONCRETE TO HAVE CONC FIN-2 FINISH. PAINT EXISTING WALLS WHERE CONSTRUCTION REQUIRES.	
2210	50 SF	SLL	CPT-20	RB-4	PT-30	PT-30	PT-30	PT-30	GYP / AST	PT-30 / AST-5	-	-		
2210.1	255 SF	LIGHTING/VIDEO CONTROL ROOM	CPT-20	RB-4	PT-3 / AST-2A	PT-3	PT-3	PT-3	ACT	ACT-2	-	-		
2210.2	242 SF	RECORDING CONTROL ROOM	CPT-20 / RTF-2	RB-4	PT-30 / AST-3 / AST-5	PT-30 / AST-3 / AST-5, AST-5 / WD-1	PT-30 / AST-3 / AST-5 / WD-1	T-30 / AST-3 / AST-5 / WD-1	GYP / AST	PT-30 / AST-4 / AST-5	-	-	REFER TO ELEVATIONS	
2212	67 SF	PROJECTOR	CONC FIN-2	RB-4	PT-3	PT-3	PT-3	PT-3	EXPOSED	EXISTING	-	-		

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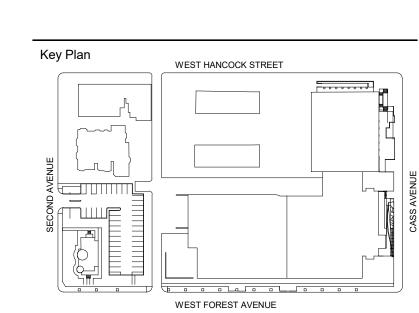
Auerbach Glasow 1045 Sansome Street, Suite 300

San Fransisco, CA 94111 415.392.7528

Acoustics / AV

Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4168

DETROIT, MI



BULLETIN 22 BP4 CONTROL BOOTH	APRIL 11, 2024
BULLETIN 19 BP4 2023-09-29	SEPT. 29, 2023
BULLETIN 13 BP4 2021-08-13	Date 21
BULLETIN 06- BP4 2020-11-06	NOV. 6, 2020

JUNE 29, 2020

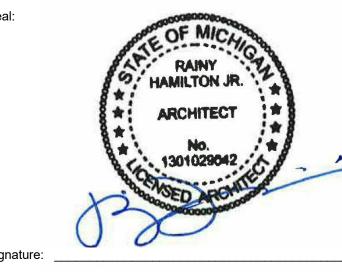
PERMIT SET

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

Prawing Title ROOM FINISH SCHEDULE

Project Number: 2018034.00



				MATERIAL SCHEDULE		
					Material:	
	Material: Mark	Material: Description	Material: Manufacturer	Material: Model	Keynote	Material: Comments
		Acoustic Ceiling Tile	Armstrong	24"x24" white, tegular edge, B.O.D.: Armstrong Optima 3251PB; 9/16" grid, white	09 51 00	
	ACT-2 AST-1	Acoustic Ceiling Tile Acoustical Surface	Armstrong Decoustics	24"x24" black, tegular edge, B.O.D.: Armstrong Calla 2822BK; 15/16" grid, black Panel: 1" panel, Decoustics AP; Fabric: DesignTex, Gamut 3468-812, Carbon	09 51 00 09 80 00	at Sound & Light Locks
	AOI-I	Treatments	Decousiics	and Tanel, Decousies Al , Labric, Designiex, Camar 5400-012, Carbon	03 00 00	at bound & Light Locks
	AST-2A	Acoustical Surface	Kinetics	2" panel, Rigid fiberglass substrate with sound transparent facing. BOD: Kinetics SportsBoard	09 80 00	at Studio Theater
		Treatments		Conform. Color: Pavement 53263 (black). See elevations for panel size.		
	AST-2B	Acoustical Surface	Kinetics	2" panel, Rigid fiberglass substrate with sound transparent facing. BOD: Kinetics SportsBoard	09 80 00	at Warm Up Room
٨	7.01 25	Treatments		Conform. Color: Railing 53235. See elevations for panel size.		at Haim op Room
9	AST-2C	Acoustical Surface	Kinetics	2" panel, Rigid fiberglass substrate with sound transparent facing. BOD: Kinetics SportsBoard	09 80 00	at Valade BOH Dressing Rooms
(AST-3	Treatments Acoustical Surface	RPG Acoustical	Conform, Col: TBD by Architect, See elevations for panel size.	00 04 42	at Valada Dagardina Chudia
	A31-3	Treatments	Systems Systems	2-Dimensional Sound Diffuser. BOD: Omniffusor W76. Color: To match ST_1. See elevations for panel size.	09 84 13	at Valade Recording Studio
	AST-4	Acoustical Surface	RPG Acoustical	Binary Amplitude Diffusing / Absorbing Panels. BOD: Model Binary Amplitude Diffusion (BAD) Panel	09 84 13	at Valade Recording Studio Cloud
		Treatments	Systems	by RPG Acoustical Systems. Color: Quartz 380. See elevations for panel size.		
(AST-5	Acoustical Surface Treatments	Kinetics Noise Control	Fabric Faced Sound Absorptive Panels. BOD: Kinetics Model Hardside Acoustical Panel. Col: Quartz 380. See elevations for panel size and thickness.	09 84 13	at Valade Recording Studio
_	AST-10	Surface Applied	Owens Corning	BOD: SelectSound by Owens Corning	09 80 00	
		Acoustic Insulation	•	2" fiberglass acoustic board, black		
	BMC-1	Beam & Baffle Ceiling	_	BOD. HUNTER DOUGLAS CERTAINTEED TAVOLA PRIME	09 58 20.A1	at Lobby
		System	Certainteed	2" WIDE X 8" TALL, 0.032" ALUMINUM BAFFLE WITH END CAPS. PERFERATION: 115, COLOR: 1883, BLACK.		6
				PROVIDE AN IFILL OF NON-WOVEN PLUS 1.5 PCF FIBERGLASS BACKER.		<u> </u>
	CHR-1	Chair Rail	Inpro	2500 Chair Rail, Designer White 0101	10 26 00	Mount at 36" AFF
/	CONC FIN-2	Exposed Concrete Finish		Trowel, clear sealer	03300	
_	CPT-1	Carpet	Shaw Contract	Dissolve Tile, Couture inspired by wool collection. Style: 59566, Color: Kohl 66597, Installation:	09 68 00	at Sound & Light Locks and
		oui pot		Brick		Audience Chamber
	CPT-2	Carpet	Shaw Contract	Dissolve Tile, Couture inspired by wool collection. Style: 59566, Color: Ashen Metal 66505,	09 68 00	at Performer's Lounge
	CDT 00	Counci	Danilla.	Installation: Brick	00.00.00	at Valada Camidana Old
	CPT-20	Carpet	Bentley	Shapeshifter, Beamsplitter 400033, 18"x36" Tile	09 68 00	at Valade Corridors, SLL, and Theater
	CPT-21	Carpet	Bentley	Collection: Dust Jacket, Color: Chapter 800106, Size: 18" x 36" Tile	09 68 00	at Valade Green Room
	CPT-22	Carpet	Mohawk	Collection: First Step II QL315, Color: Obsidian 989, Size: 24" x 24" Tile	09 68 00	Walk Off Mats
	CTA-1	Ceramic Tile Trim	Schluter	Jolly, Material: Aluminum, Finish: BW Bright White	09 90 00	top edge of exposed tile.
						Contractor to select appropriate size
	CTA-2	Ceramic Tile Trim	Schluter	Quadec, Finish: BW Bright White	09 90 00	tile, outside corner
	CTA-3	Ceramic Tile Trim	Schluter	Dilek AHK, Finish: TSG Pewter	09 90 00	at floor base/wall tile
	CTA-4	Ceramic Tile Trim	Schluter	Jolly, Material:Aluminum, Finish: Black	09 90 00	edge of exposed tile. Contractor to
						select appropriate size
	CTD 4	Ceramic Tile Trim	Schluter	JOLLY, Finish: Sand Pebble	09 90 00	at floor base/wall tile
	CTB-1 CTB-20	Ceramic Tile Base Ceramic Tile Base	Daltile Virginia Tile	6" X 12", Vol 1.0, Stereo Grey VL73, P36C9TP36C9T, Grout: Mapei 47 Charcoal Anatolia Mayfair - Allure Ivory Matte 65-510, Grout: Mapei 49 Light Almond, Size: 12"x24" cut to 6"	09 30 00 09 30 00	Align joints with adjacent tile floor at Valade ADA Toilet Rooms
	010-20	Octamic The Dase	Virginia Tile	base	03 30 00	at value ADA Tollet Rooms
	CTB-21	Ceramic Tile Base	Genesee Tile	Atlas Concorde - Marvel Terrazzo Pearl Battiscopa Matte, Size: 21/6" x 235/6", Grout: Mapei 02 Pewter	09 30 00	at Valade Dressing Room Toilet
	OTE 4	O	D. ICI.		00.00.00	Room
	CTF-1	Ceramic Tile Floor Ceramic Tile Floor	Daltile Daltile	6"x6", Vol 1.0, Stereo Grey VL73, 2/3 running bond, Grout: Mapei 47 Charcoal 2"x2", Keystones D311 Black, Grout: Mapei 10 Black	09 30 00 09 30 00	at FOH Restrooms at Showers
	CTF-5	Ceramic Tile Floor	Daltile	12"x24", Vol 1.0, Stereo Grey VL71, Stacked, Grout: Mapei 47 Charcoal	09 30 00	at FOH Restroom Entries
	CTF-20	Ceramic Tile Floor	Virginia Tile	12"x24", Anatolia Mayfair - Allure Ivory Matte 65-510, Grout: Mapei 49 Light Almond	09 30 00	Valade ADA Toilet Room Floor
	CTF-21	Ceramic Tile Floor	Genesee Tile	Atlas Concorde, Collection: Marvel Gems, Color: Pearl Matte, Size: 24"x24", Grout: Mapei 02 Pewter	09 30 00	Valade ADA Toilet Room Floor
	CTW-1	Ceramic Tile Wall	Tile x Design	4"x16", White, Installation Vertical Running Bond, See drawings. Grout: Mapei 00 White	09 30 00	at FOH Restrooms
	CTW-2	Ceramic Tile Wall	Daltile	3"x6" Subway Tile, Installation: Running Bond, See Drawings. Grout: Mapei 00 White	09 30 00	at BOH Restrooms
	CTW-3	Ceramic Tile Wall	Virginia Tile	Ceramic Tiles International - Expression Mosaics, Color: Daylight, Size: 1"x1" Hex, CTIEXDAHEX1M, Grout: Mapei 00 White	09 30 00	at Showers
	CTW-5	Ceramic Tile Wall	Daltile	6"x6", Vol 1.0, Stereo Grey VL73, 2/3 running bond, Grout: Mapei 47 Charcoal	09 30 00	at FOH Restroom Entries
	CTW-20	Ceramic Tile Wall	Trinity TIIe	1" x 2", Catalyst - Woodsy, Grout: Mapei 39 Ivory	09 30 00	Valade ADA Toilet Room Wet Wall
	CTW-21	Ceramic Tile Wall	Virginia Tile	3" X 12", Anatolia Marlow - Earth, Grout: Mapei 39 Ivory	09 30 00	Valade ADA Toilet Room Wet Wall
	CTW-22	Ceramic Tile Wall	Daltile	Collection: Color Wheel, Product: Linear Size: 2"x8", Color: Black K111 Glossy, Grout: Mapei 10	09 30 00	At Valade Green Room Backsplash
	CTW-23	Ceramic Tile Wall	Genesee Tile	Black Interceramic, Collection: Seaside, Color: Gray Matte, Size: 3"x12", Grout: Mapei 103 Cobblestone	09 30 00	At Valade Dressing Room
	CTW-24	Ceramic Tile Wall	Genesee Tile	Interceramic, Collection: Seaside, Color: Smoke Matte, Size: 3"x12", Grout: Mapei 103 Cobblestone	09 30 00	At Valade Dressing Room
	CTW-25	Ceramic Tile Wall	Virginia Tile	3" X 12", Anatolia Marlow - Desert, Grout: Mapei 01 Alabaster	09 30 00	Valade ADA Toilet Room Wet Wall
	GL-1	Glass		Clear annealed glass, 1/4" unless otherwise indicated	08 81 00	
	GL-1T	Glass		Tempered clear annealed glass, 1/4" unless otherwise indicated	08 81 00	
	GL-5	Glass		1/4" ultra-clear (low-iron) non-reflective glass	08 81 00	SCWU's at control rooms
	GL-12 GL-21	Laminated Glass Insulating Vision		Nominal 1/2"(1/4+0.090+1/4), clear HS glass, clear PVB 1" Insulated, Low-e, clear unit, 1/4", 1/2", 1/4"	08 81 00 08 81 00	SCWU's at control rooms
	GL-Z1	Glass		Insulated, Low-e, clear unit, 1/4 , 1/2 , 1/4	00 01 00	
	GL-91	Mirror		Unframed mirror 1/4" clear HS glass	08 80 00	at Toilet Rooms, Dressing Rooms
	GYPA-1	Gypsum Board	Fry Reglet	1/4" Z-Reveal; No. DRMZ-625-25, Black Anodized.	09 29 00	
	CVDA 2	Reveal	En Doglot	1/4" Poyool Molding No. DPM 625-25. Plack anadized	00 20 00	
	GYPA-2	Gypsum Board Reveal	Fry Reglet	1/4" Reveal Molding No. DRM-625-25, Black anodized	09 29 00	
	GYPA-3	Gypsum Board	Eagle Mouldings	ALUMINUM CHANNEL – 3/4" LEG X 1/2" OD X 1/4" ID X 1/8" WALL, Part#: CH-453, Finish: Duranodic	09 29 00	
	0)/7	Reveal		#335 Black		
	GYPA-4	Gypsum Board Reveal	Fry Reglet	Reveal Base, DRMB-625-400, Finish: To match PT-11	09 29 00	
	HPC-1	High Performance		Color to match PT-3	09 96 00	6
		Coating				
	MP-1	Metal Panel		Refer to A3 Series.	07 42 00	at Entrances
	ORN MET-3	Ornamental Metal		Steel panels," steel sheet, special blackened finish. Flush formed panels with return at walls & ceilings, flat facing at sliding countertop doors	05 70 00	at Lobby interior, sliding countertop doors at Box Office &
				James and the state of the stat		Cafe
	ORN MET-4	Ornamental Metal	Amico	Metal Ceiling: Formed expanded carbon steel panels w/return, Style: 1/4" - #18. 0.42" sheet	05 70 00	at Lobby Soffits
				thickness, 0.110" x 0.718" openings, shop-applied painted finish PT-3, fire-rated MDF backer with painted finish		
	ORN MET-5	Ornamental Metal		Metal angle, 1/4" thick, metal plate, 16 ga. welds ground smooth, PT-11	05 70 00	at Lobby
		Wall Base				
	ORN MET-6	Ornamental Metal	Amico	Formed expanded carbon steel panels. Style: 1/4" - #18. 0.42" sheet thickness, 0.110" x 0.718"	05 70 00	at Lobby Soffits
	DI AM 2	Diactic Laminata	Arbarita	openings, shop-applied painted finish PT-3.	06 40 00	At Gatoway Cabinata
	PLAM-2	Plastic Laminate	Arborite	P-393 CA Urban Night	06 40 00	At Gateway Cabinets (Base/Upper/Shelves)
	PLAM-3	Plastic Laminate	Wilsonart	7976K-12 White Cyprus, Softgrain Finish	06 40 00	At Valade Dressing Room
						Counters

Smart Cabinetry-Studio BOD: Smart Cabinetry - Studio Full Access - Door Style: Avalon, Finish: Finesse

GOH 31843248 Solid Metal SM11321, Application: Spray

GOH 31843241 Solid Metal SM10261, Application: Spray

product selection to be determined after approved mock-up)

Pro Mar, Zero-VOC, White, To match Benjamin Moore; Simple White; OC-117

GOH 31845300 Burnished Metallic BR002, Application: Brush or Roll (See specification - final

To match AST-4 color Quartz 380.

#400 Ceramic Carpet (Resuflor Deco Quartz BC23) - Color TBD to match existing terrrazzo.

Black 1595-60, Matte Finish

Color to match MP-1

Creamy SW 7012

Pearl Gray SW 0052

Crewal Tan SW 0011

March Wind SW7668

Cloud Cover OC-25

Nacre SW 6154

Portico SW 7548

Raisin SW 7630

Deep Forest Brown SW 9175

Plastic Laminate

Plastic Laminate

Paint

Paint, Epoxy

Paint, Epoxy

PT-11

PT-12

PT-13

PT-20

PT-26

PT-27

PT-28

22 PT-29

Full Access

Sherwin Williams

Scuffmaster

Wolf Gordon

Scuffmaster

Wolf Gordon

Scuffmaster

Sherwin Williams

Sherwin Willams

Sherwin Williams

Sherwin Williams

Sherwin Williams

Sherwin Williams

Sherwin Williams

Benjamin Moore

Sherwin Williams

Sherwin Williams

Sherwin Williams

Sherwin Williams

Sherwin Williams

At Valade Dressing Rooms

At Valade Green Room/Donor

Lounge Kitchenette Shelves

09 91 00 at overhead ducts, bottom of deck,

AESS columns, etc.

09 91 00 Lobby Feature Wall/ Donor Lounge

at Existing Entry door

At Valade Green Room Walls

At Valade Recording Studio

At Valade Theater Under Seats

Bathroom Ceiling

09 91 00 At Valade Green Room Ceiling

09 90 00 At Loading Dock / BOH Vestibule

09-91-00 At Valade Underground BOH

Lobby Wall Paint

Lobby Ceiling

Lobby Trim

09 91 00 Bathroom Walls

09 91 00

09 91 00

09 91 00

09 91 00

09 91 00

09 91 00

09 90 00

09 91 00 at WD FAB-6

09 91 00 Lobby Gyp walls

			MATERIAL SCHEDULE		
				Material:	
Material: Mark	Material: Description	Material: Manufacturer	Material: Model	Keynote	Material: Comments
RB-2	Resiliant Base	Johnsonite	4" rubber straight base, Color: 121 Cement	09 65 00	at PTE-21
RB-3	Resiliant Base	Johnsonite	4" rubber straight base, Colo Burnt Umber 63	09 65 00	at CONC FIN-2
RB-4	Resiliant Base	Johnsonite	4" rubber straight base, Color: Black 40	09 65 00	
RB-5	Resiliant Base	Johnsonite	Millwork Profile Base, Profile: Inflection 5 1/4", Color: Black 40	09 65 00	
RB-6	Resiliant Base	Johnsonite	Millwork Profile Base, Profile: Inflection 5 1/4", Color: 121 Cement	09 65 00	
	Resinous Floor Tile	Mannington	Spacia SS5W2518, Pale Ash	09 65 00	at Dressing Rooms
	Resinous Floor Tile	Mohawk	Collection: Hot and Heavy, Product: Secoya, Color: Calaveras 989	09 65 00	at Val ade Green Room
	Rubber Floor Tile	Johnsonite	Product: Solid Color Rubber Tile, Finish: Rajsed Square, Color: Burnt Umber 63	09 65 00	at Elevators
	Solid Surface	Caeserstone	Organic White 4600, Finish: Polished	06 40 00	at FOH Restrooms
	Solid Surface	Caesarstone	Vanilla Noir 5100, Finish: Polished	06 40 00	at Valade Greenroom & Dor
ST-1	Stain	Sansin Enviro Stains	Paraisian Cost 0VOC Stain, Colory Cinnamon #2409	09 93 00	Kitchenette
			Percision Coat 0VOC Stain, Color: Cinnamon #3408		FOUIDOU Toilet Desires
T COMP-1	•	Scranton Products	Hiny Hiders, HDPE; floor-mounted, overhead-braced. Color: Stainless, Finish: Orange Peel, 66" high	10 21 00	FOH/BOH Toilet Rooms
T COMP-2	•	Scranton Products	Hiny Hiders, HDPE; floor-mounted, overhead-braced. Color: Linen, Finish: Orange Peel, Engraved: Traditional 2600, 66" high	10 21 00	Valade FOH/BOH Toilet Roo
	Tack Board		Plastic impregnated cork, 1/4" seamless sheet	10 11 00	
TRS-1	Transition Strip	Johnsonite	EG-XXX-J. Color: #63 Burnt Umber	09 60 01	Carpet to Concrete
TRS-3	Transition Strip	Schluter	Reno-U, Color Coated Aluminum, Color: TSG Pewter	09 60 01	Tile to Concrete
TRS-4	Transition Strip	Schluter	Reno-U, Color Coated Aluminum, Color: TSG Pewter	09 60 01	Tile to Resilient
TRS-5	Transition Strip	Johnsonite	SLT-XX-J, Color: #63 Burnt Umber	09 60 01	Resilient to Concrete
TRS-20	•	Schluter	Reno-Ramp I-K	09 60 01	
WCG-1	•	Inpro	Screw on, 430 Standard Grade, 16 gauge, 2" wing size, Stainless steel, 96" AFF, exposed mechanical fasteners		
WD FAB-1	Wood Fabrications		Sliding pocket doors with ORN MET-3 faces, hardware	06 40 00	at Cafe, Box Office (cabinet
			Custom fabricated wood panels & architectural wood assemblies, NAAWS Premium Grade, including metal concealed subframing, attachment, operating hardware, as applicable.		at outs, box office (outside
WD FAB-3	Wood Fabrication		Flush Wood Panels: Vertically-oriented installation, WD-1 veneer over MDF core	06 40 00	at Theater (Lobby)
			(acoustically-reflective)		
			Custom fabricated wood panels & architectural wood assemblies, NAAWS Premium Grade,		
			including metal concealed subframing, attachment, operating hardware, as applicable.		
WD FAB-4	Wood Fabrication		Articulated Wood Panels: Vertically-oriented WD-4 ribs, of varying widths and depths, built-up to	06 40 00	at Theater
			create relief patterns as indicated (acoustically-diffusive)		
			Custom fabricated wood panels & architectural wood assemblies, NAAWS Premium Grade,		
WD FAD 6	W IF.I		including metal concealed subframing, attachment, operating hardware, as applicable.	00.40.00	of Theorem Processing
WD FAB-6	Wood Fabrication		Proscenium Grillage: Vertically-oriented, solid WD-5 dowels of varying diameters, PT-4/5/6 of various sheens; fastened rigidly, with varying spacing, to steel support framing behind. Provide all	UO 4U UU	at Theater Proscenium
			accessories required for sound & vibration control.		
			Custom fabricated wood panels & architectural wood assemblies, NAAWS Premium Grade,		
			including metal concealed subframing, attachment, operating hardware, as applicable.		
WD FAB-7	Wood Fabrication		Grille, WD-1 slats; on MDF rib subframe with PT-3 finish, fabric scrim	06 40 00	
	Wood Fabrication		Box, WD-1 veneered plywood or MDF, concealed fasteners; z-clip or wood cleat attachment to wall	06 40 00	
•			(acoustically-reflective/diffusive)		
WD FAB-8P	Wood Fabrication		Box, micro-perforated WD-1 veneered panels; acoustic insulation at inside back surface of panels as shown on details; z-clip or wood cleat attachment to wall (acoustically-absorptive)	06 40 00	At Valade
WD-1	Wood			06 40 00	at Lohby
			Red oak, rift-sliced veneer, rift-sawn solid; stain ST-1 & clear finish		at Lobby
	Wood		MDF or solid wood, spray-applied finish, varying sheens	06 40 00	at Theater (WD FAB-4)
	Wood		Birch/poplar; opaque finish, color as indicated on Drawings	06 40 00	
WDF-1	Wood Floor		Hardboard panel flooring painted PT-3 over subfloor; 1 layer 1/4" tempered hardboard, 1 layer 3/4" T&G plywood, 1 layer 3/4" plywood, wood 2x4 sleepers, resilient isolation pads, vapor barrier (over	09 64 00	at Studio Theater
WDF-2	Wood Floor		slab-on-grade) Harlequin Standfast in Dark Gray (STF406) on Hardboard panel flooring over subfloor; 1 layer 1/4"	09 64 00	Warm-up Room
VVDF-2	WOOD FIOOI		tempered hardboard, 1 layer 3/4" T&G plywood, 1 layer 3/4" plywood, wood 2x4 sleepers, resilient isolation pads, vapor barrier (over slab-on-grade)	09 04 00	warm-up Room
WDF-3	Wood Floor		Hardboard panel flooring over subfloor; 1 layer 1/4" tempered hardboard, 1 layer 3/4" T&G plywood, 1 layer 3/4" plywood, wood 2x4 sleepers, resilient isolation pads (over elevated slab)	09 64 00	at Theater & Stage Lift Plat
WDF-20	Wood Floor		Hardwood flooring over subfloor; 2-1/4"w x 3/4" T&G rift-cut white oak WD-1 strips, field-finished (ST-1); 1 layer 3/4" T&G plywood.	09 64 00	at Valade
WF-1	Window Film	3M	Fasara Glass Finishes, Chamonix SH2EMCH		at Valade Lobby Toilet Roo
VV[-1		- · · ·	- wasser answer mineral Allenia mineral	I	I OHOL INOU
	Window Treatment	BOD: MechoShade	Manual, translucent shade	12 20 00	Gateway BOH

			HARDWARE INDEX			
TAG	DESCRIPTION	MANUFACTURER	PRODUCT INFO	SPEC SECTION	LOCATION	NOTES
AG-1	ARCHITECTURAL GRILLE	MCNICHOLS	304 STAINLESS STEEL, SQUARE PERFORATED ARCHITECTURAL GRILLE WITH 56% OPEN AREA, PT-3		AT THEATER	
AG-2	ARCHITECTURAL GRILLE	MCNICHOLS	304 STAINLESS STEEL, 4 X 4 (SQUARE) WIRE MESH ARCHITECTURAL GRILLE WITH 76% OPEN AREA, BLACK OR PT-3		AT THEATER	
HD-1A	CABINET HARDWARE	REJUVINATION	WEST SLOPE DRAWER PULL 4", AGED BRASS #C2204		VALADE GREEN ROOM/ DONOR KITCHENETTE	SEE ELEVATIONS FOR SIZES
HD-1B	CABINET HARDWARE	REJUVINATION	WEST SLOPE DRAWER PULL 8", AGED BRASS #C2211		VALADE GREEN ROOM/ DONOR KITCHENETTE	SEE ELEVATIONS FOR SIZES
HD-1C	CABINET HARDWARE	REJUVINATION	WEST SLOPE DRAWER PULL 12", AGED BRASS #C2214		VALADE GREEN ROOM/ DONOR KITCHENETTE	SEE ELEVATIONS FOR SIZES
HD-2	SHELF BRACKET	REJUVINATION	10" STRAP SHELF BRACKET #C2944, COLOR: AGED BRASS		VALADE GREEN ROOM/ DONOR KITCHENETTE	
HD-3	НООК	LIBERTY HARDWARE - BRAINERD	PILLTOP 5 3/5" COAT AND HAT HOOK B34865J-FB-C, COLOR: FLAT BLACK		VALADE DRESSING ROOMS	
MET FAB-1	LADDER	TBD	INTERIOR SHIPS LADDER, STEEL GRATE TREADS, PRIMED.			
MET FAB-2	LADDER	TBD	INTERIOR STRAIGHT LADDER, STEEL, PRIMED.			
MET FAB-3	LADDER	TBD	EXTERIOR ROOF LADDER, GALVANIZED STEEL, HPC-11 FINISH			
MET FAB-14	CATWALK	TBD	CATWALK ASSEMBLY - REFER TO STRUCTURAL DRAWINGS. PT-3 FINISH			
MET FAB-15	LIGHTING SUPPORT RAIL	TBD	SCHEDULE 80 PIPE; 1 1/2" NOMINAL, 1.9" OUTSIDE DIAMETER; PT-3 FINISH.			
MET RAIL-1	METAL RAILING		EXIT STAIR HANDRAIL, STEEL PIPE, PT-11 FINISH.	1	AT STAIRS	
MET RAIL-2	METAL RAILING		EXIT STAIR GUARDRAIL, STEEL PIPE, PT-11 FINISH.		AT STAIRS	
MET RAIL-3	METAL RAILING		WALL MOUNTED STEEL PIPE HANDRAIL, PT-11 FINISH.			
MET RAIL-6	METAL RAILING		UNDER-STAIR BARRIER RAIL, STEEL BAR, PT-11 FINISH.		AT STAIRS	
MET RAIL-7	METAL RAILING		GATE, SELF-CLOSING, STEEL BAR, PT-11 FINISH.			
MSA-1	SOLID CHANNEL FRAMING	UNISTRUT	1-5/8" x 1-5/8" UNISTRUT P1000		GATEWAY WORKSHOPS	
MSA-2	BACK-TO-BACK SOLID CHANNEL FRAMING	UNISTRUT	1-5/8" x 4-7/8" UNISTRUT P5501, BLACK FINISH		UNISTRUT GRID	
MSA-3	SOLID CHANNEL FRAMING	UNISTRUT	1-5/8" x 3-1/4" UNISTRUT P5000, BLACK POWDER COATED.		THEATRE WALLS	
ORN MET-2	METAL RAIDATOR COVER	BOD: FICHMAN FURNITURE	CHESTNUT HILL WITH GRECIAN SCREEN, PRIMED ; PT-20 FINISH.	,	VALADE DONOR LOUNGE	
ORN RAIL-3	ORNAMENTAL RAILING	TBD	HANDRAIL, WALL MOUNTED, SOLID WD-1 CAP, CONCEALED STEEL BAR SPLINE, WELDED STEEL ROD BRACKET, HPC-1 FINISH ON EXPOSED STEEL.		AT THEATER	
ORN RAIL-4	ORNAMENTAL RAILING	TBD	HANDRAIL, WALL MOUNTED, STEEL BAR, HPC-1 FINISH			
ORN RAIL-6	ORNAMENTAL RAILING	TBD	HANDRAIL, FLOOR MOUNTED (SLEEVE),STEEL BAR POSTS AND TOP RAIL, HPC-1 FINISH		AT THEATER AND VALADE AISLES	
ORN RAIL-7	ORNAMENTAL RAILING	TBD	REMOVABLE PIT GUARDRAIL, FLOOR-MOUNTED, CONCEALED STEEL FRAMING, INTERLOCKS, WD FAB-3 CLADDING, SOLID WD-2 CAP.		AT THEATER PIT	SEE TE SET. STEEL FRAME UNDER 116135 (THEATRICAL LIFT CONTRACTOR) FINISH B' G.C.
ORN RAIL-8	ORNAMENTAL RAILING	TBD	REMOVEABLE LIFT GUARDRAIL, FLOOR MOUNTED TO STAGE LIFET PLATFORM, STEEL BAR, HPC-1 FINISH.		AT THEATER STAGE FRONT	SEE TE SET. STEEL FRAME UNDER 116135 (THEATRICAL LIFT CONTRACTOR) FINISH BY G.C.

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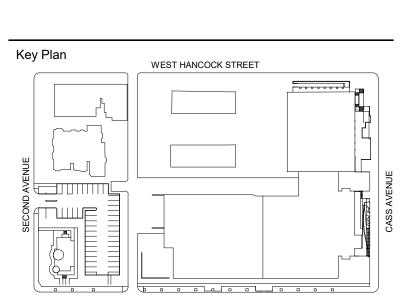
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DETROIT, MI



WEST FOREST AVENUE

BULLETIN 22 BP4 CONTROL BOOTH	APRIL 11, 2024
BULLETIN 21 BP4 DOCK LIFT	FEB. 16, 2024
BULLETIN 19 BP4 2023-09-29	SEPT. 29, 2023
BULLETIN 13 BP4 2021-08-13	Date 21
BULLETIN 11 BP4 2021-07-15	JULY 15, 2021
BULLETIN 06- BP4 2020-11-06	NOV. 6, 2020
PERMIT SET	JUNE 29, 2020

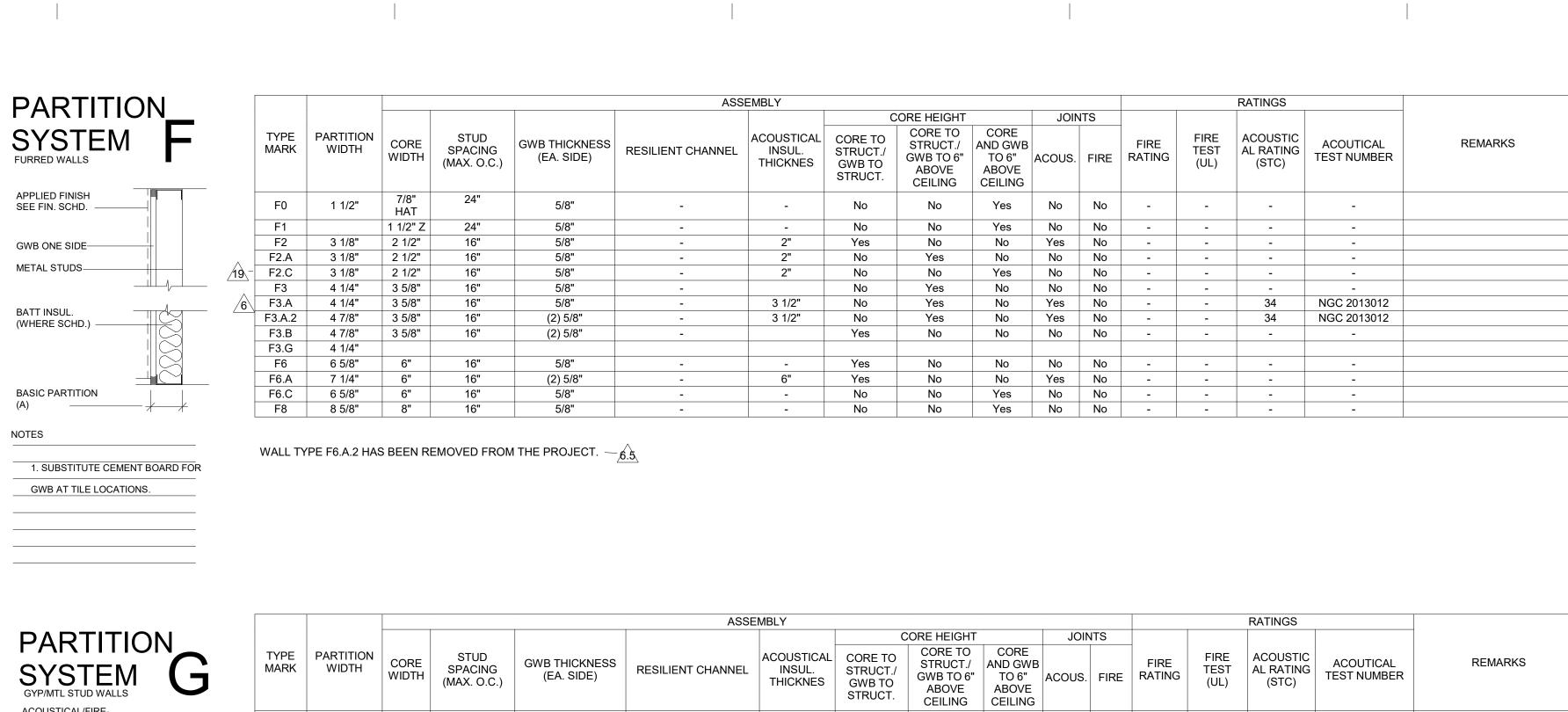
WSU - GATEWAY THEATER COMPLEX

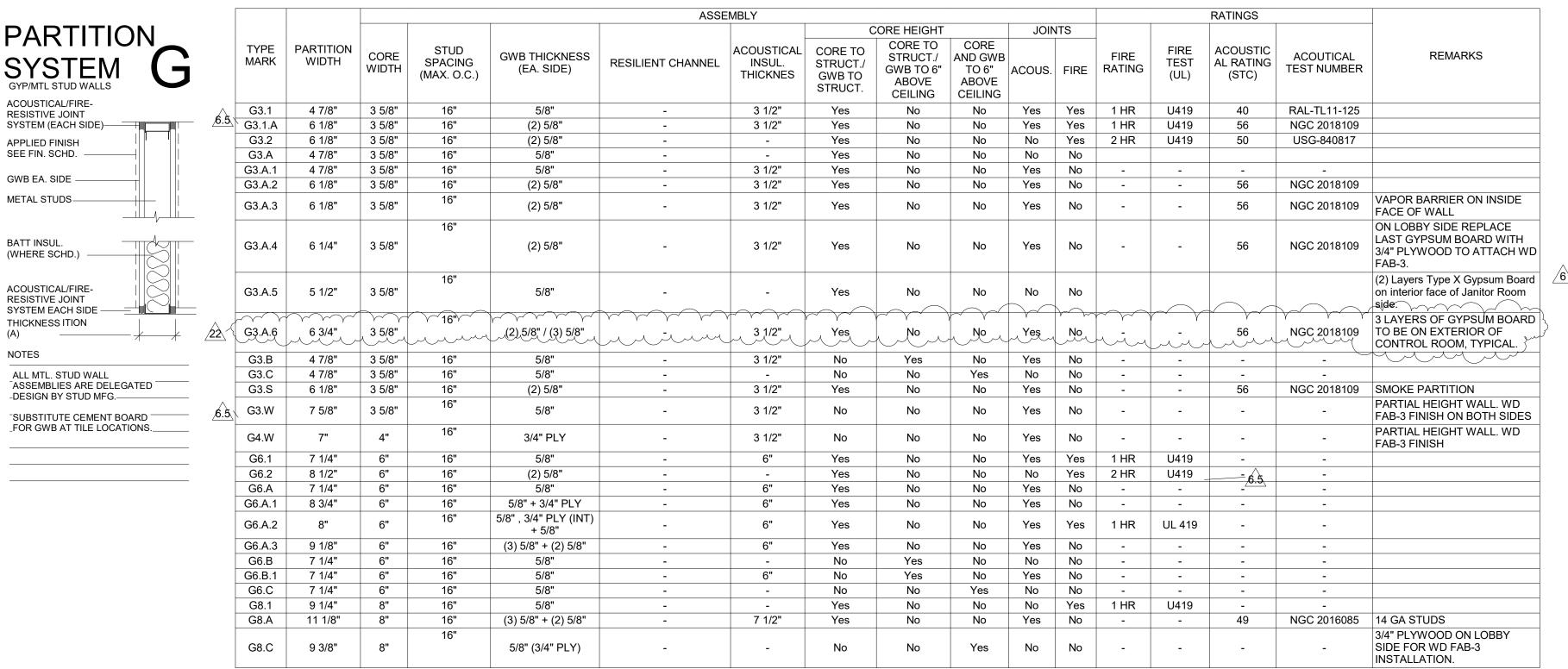
WSU PROJECT NO. 189-178578 Drawing Title
MATERIAL SCHEDULE

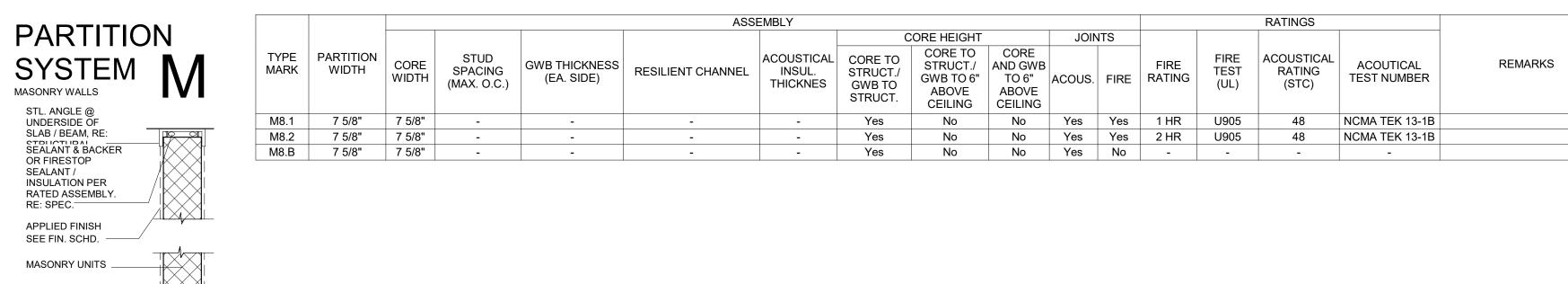
Project Number: 2018034.00 Scale:

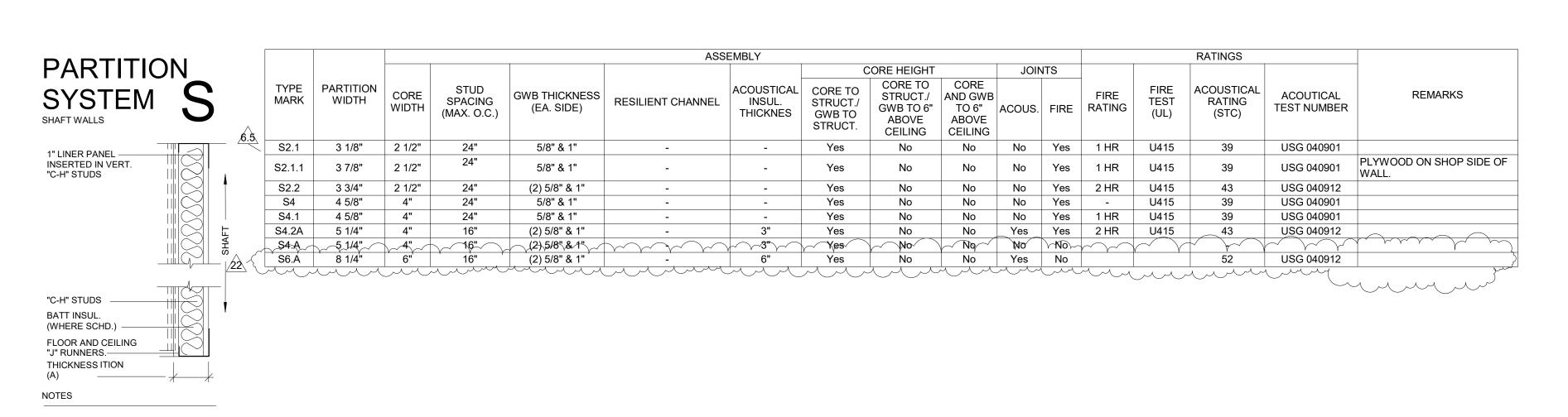


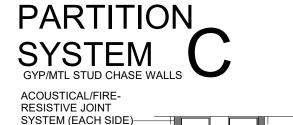
Drawing No:











RE: STRUCT. FOR REINF. REQ.

BASIC PARTITION

REFER TO EXT. WALL SECTIONS

FOR STRUCTURAL CMU.

NOTES

SY	STEM (EACH SIDE)——		
	PLIED FINISH E FIN. SCHD. ————		
G۷	VB EA. SIDE ————		_
ME	ETAL STUDS————		Hį
(W	TT INSUL.		
Alf	R SPACE ————		
RE	COUSTICAL/FIRE- SISTIVE JOINT SYSTEM CH SIDE	1	
	SIC PARTITION IICKNESS (A)—————		
NC	OTES		_

					ASS											
							CORE HEIGHT JOINTS									
TYPE MARK	PARTITION WIDTH	CORE WIDTH	STUD SPACING (MAX. O.C.)	GWB THICKNESS (EA. SIDE)	RESILIENT CHANNEL	ACOUSTICAL INSUL. THICKNES	CORE TO STRUCT./ GWB TO STRUCT.	CORE TO STRUCT./ GWB TO 6" ABOVE CEILING	CORE AND GWB TO 6" ABOVE CEILING	ACOUS.	FIRE	FIRE RATING	FIRE TEST (UL)	ACOUSTIC AL RATING (STC)	ACOUTICAL TEST NUMBER	REMARKS
C3.B	14 3/4"	3 5/8" + 6"	16"	5/8"	-	3 1/2"	Yes	No	No	Yes	No	-	-	-	-	
C6.B	14 1/4"	6" + 6"	16"	5/8"	-	6	Yes	No	No	No	Yes	-	UL U493	-	-	STAGGERED STUD

ALL MTL. STUD WALL ASSEMBLIES ARE DELEGATED DESIGN BY STUD MFG. HamiltonAnderson architecture landscape architecture urban design

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ATTENUATION BLANKETS (SAB) HEADERS WHICH OCCUR IN WALLS WITH SOUND ATTENUATION.

F FURRED PARTITION, GYPSUM WALL BOARD (ONE SIDE) OVER FURRING G GYPSUM WALL BOARD (BOTH SIDES) OVER METAL FRAMING M MASONRY PARTITION SHAFT, GYPSUM WALL BOARD & LINER PANEL ON METAL FRAMING St STACKED, COMBINATION OF A FRAMED PARTITION ON A MASONRY BASE THE SECOND CHARACTER IS NUMERIC INDICATING THE STUD OR CMU WIDTH. NUMERIC STUD CHARACTER____ __WIDTH__ 0 ______ 7/8" 1 ----- 1 5/8" 2 1/2" 3 5/8" _____ 3 5/8" THE THIRD CHARACTER REFERS TO RATING OR WALL HEIGHT (IF UNRATED). A STUDS AND GYPSUM WALL BOARD TO STRUCTURE ABOVE. B STUDS TO STRUCTURE ABOVE, GYPSUM WALL BOARD TO 6" ABOVE CEILING. C STUDS (BRACED) AND GYPSUM WALL BOARD TO 6" ABOVE CEILING. THE RATING IS ALSO SHOWN GRAPHICALLY. GRAPHIC DESIGNATION <u>PRIORITY</u> 4 HR FIRE BARRIER HIGHEST 3 HR FIRE BARRIER HIGH 2 HR FIRE BARRIER MEDIUM 1 HR FIRE BARRIER SMOKE PARTITION (NON RATED) LOWEST . IF NO SYMBOL DESIGNATION IS PROVIDED, THE STUD SIZE WILL BE 3 5/8". I. "LINE OF STRUCTURE" INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY. 5. ALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD. REFER TO PARTITION MATRICES FOR PARTITION WIDTH DIMENSIONS UNLESS INDICATED TO BE SHOWN ON PLAN. 6. THE GRAPHIC DESIGNATION IS INCORPORATED FOR PARTITIONS REQUIRED TO BE SMOKE RESISTANT, FIRE RESISTANT, OR BOTH FIRE AND SMOKE RESISTANT. 7. FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER RATINGS ARE TO SURROUND ALL OPENINGS IN RATED PARTITIONS. 3. SMOKE RESISTANT, FIRE RESISTANT, AND FIRE RESISTANT SMOKE BARRIER PARTITIONS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, INCLUDING EXTENSIONS THROUGH SOFFITS.). FOR PARTITIONS INDICATED TO RECEIVE SOUND ATTENUATION BLANKETS (SAB), EXTEND SAB TO FULL HEIGHT OF PARTITION UNLESS OTHERWISE INDICATED. FLOOR TRACK TO BE SET IN A CONTINUOS BED OF SEALANT. 1. FIRE RESISTANCE RATED PARTITIONS SHALL USE RATED FIRE/SMOKE FIRE RESISTANT FILL MATERIAL IN CONJUNCTION WITH AN APPROPRIATE RATED FIRE/SMOKE FIRE STOPPING SYSTEM. 2. NON-RATED PARTITIONS AND NON-RATED SMOKE RESISTANT PARTITIONS SHALL USE ACOUSTICAL SEALANT. INSULATION: - HEAD CONDITIONS AT FLOOR/ROOF DECK 1. FIRE RESISTANCE RATED PARTITIONS SHALL USE MINERAL WOOL INSULATION. 2. NON-RATED PARTITIONS REQUIRING SOUND ATTENUATION SHALL USE SOUND PROVIDE FULL THICKNESS INSULATION INSIDE ALL STUD BOX BEAMS AND 4. PROVIDE SOUND ATTENUATIONBLANKETS IN ALL WALL CAVITIES WITH PLUMBING STACKS FULL HEIGHT OF WALL. 2. EACH PARTITION SHOWN ON THE DRAWINGS TO HAVE A FIRE AND SMOKE RESISTANT RATING SHALL BE IDENTIFIED AS SUCH WITH A LABEL ABOVE THE CEILING ON EACH SEGMENT OF THE WALL AND 6' - 0" OC MAX EACH SIDE. 13. REFER TO SPECIFICATIONS FOR MINIMUM STUD THICKNESS, MAXIMUM SPACING AND ALLOWABLE LIMITING HEIGHTS DEFLECTION CRITERIA FOR GYPSUM BOARD 14. REFER TO TOILET ACCESSORIES SHEET AND CASEWORK SHEET FOR MOUNTING DETAIL INFORMATION. 15. REFER TO STRUCTURAL DRAWINGS FOR REINFORCING INFORMATION. 16. HEAD OF WALL DETAILS DO NOT ALTER PARTITION TYPES NOTED ON PLANS.

. PARTITIONS ARE DISTINGUISHED BY SYMBOL DESIGNATION, GRAPHIC DESIGNATION

THE FIRST CHARACTER IS A LETTER INDICATING THE PARTITION TYPE.

OR A COMBINATION OF BOTH DESIGNATIONS.

A ACOUSTIC PARTITION

DETROIT, MI Key Plan WEST HANCOCK STREET WEST FOREST AVENUE

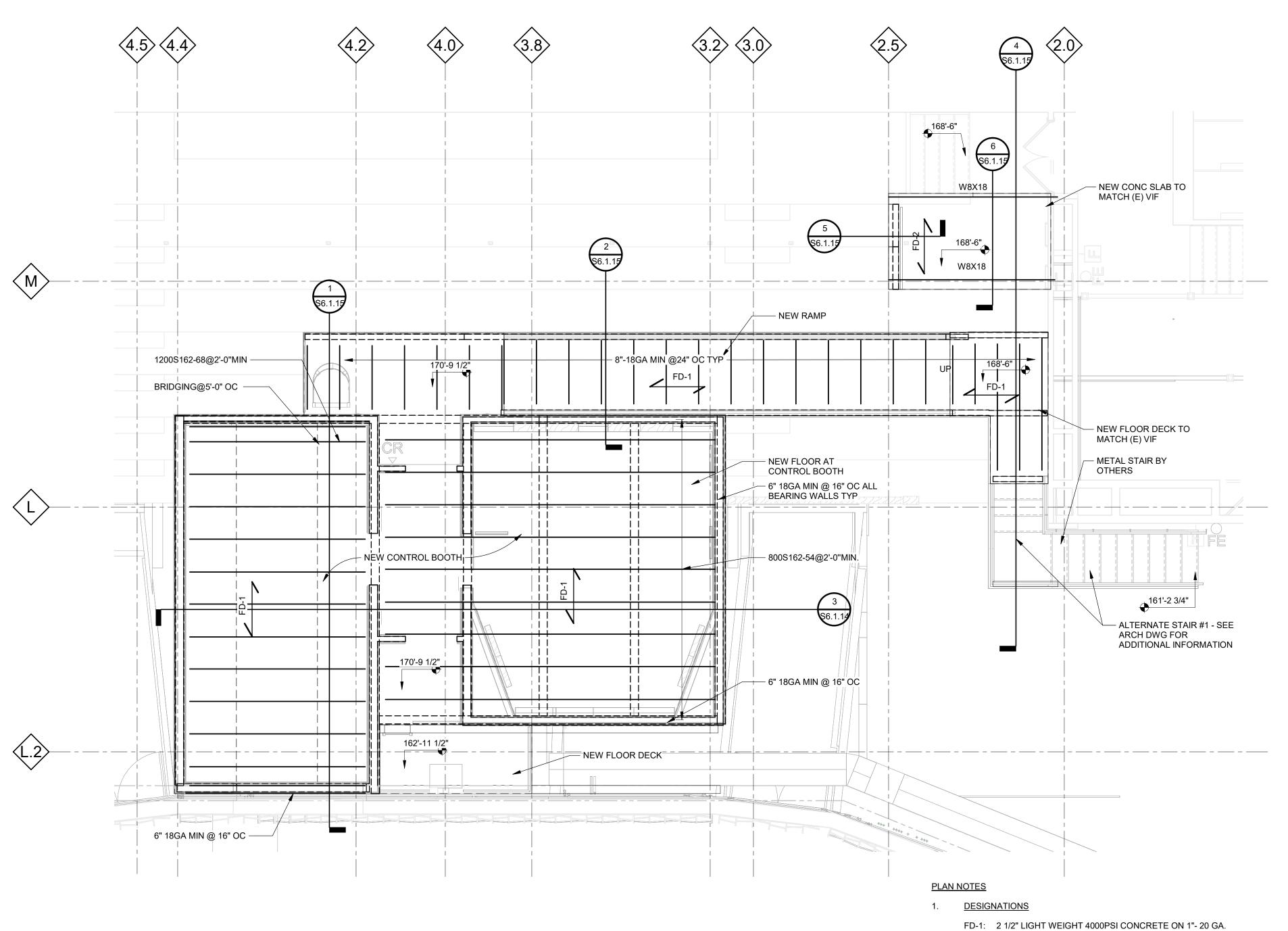
BULLETIN 22 BP4 CONTROL BOOTH JAN. 5, 2024 BULLETIN 20 BP4 2024-01-05 BULLETIN 19 BP4 2023-09-29 SEPT. 29, 2023 BULLETIN 06.5 - BP4 2021-02-26 FEB. 26, 2021 BULLETIN 06- BP4 2020-11-06 NOV. 6, 2020 PERMIT SET JUNE 29, 2020

WSU - GATEWAY THEATER COMPLEX

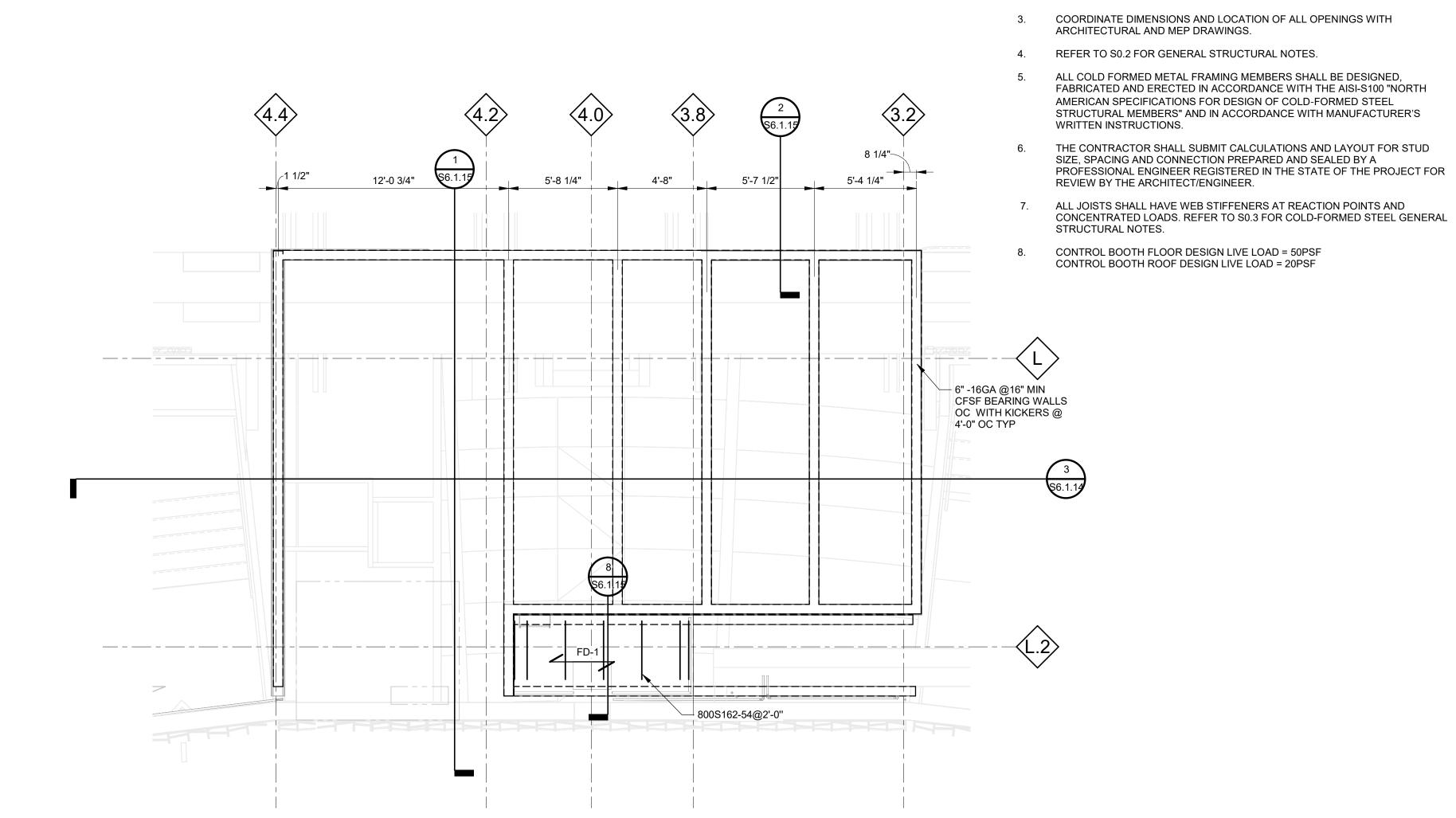
WSU PROJECT NO. 189-178578 Drawing Title
INTERIOR **PARTITIONS**

Project Number: 2018034.00 Scale: As indicated

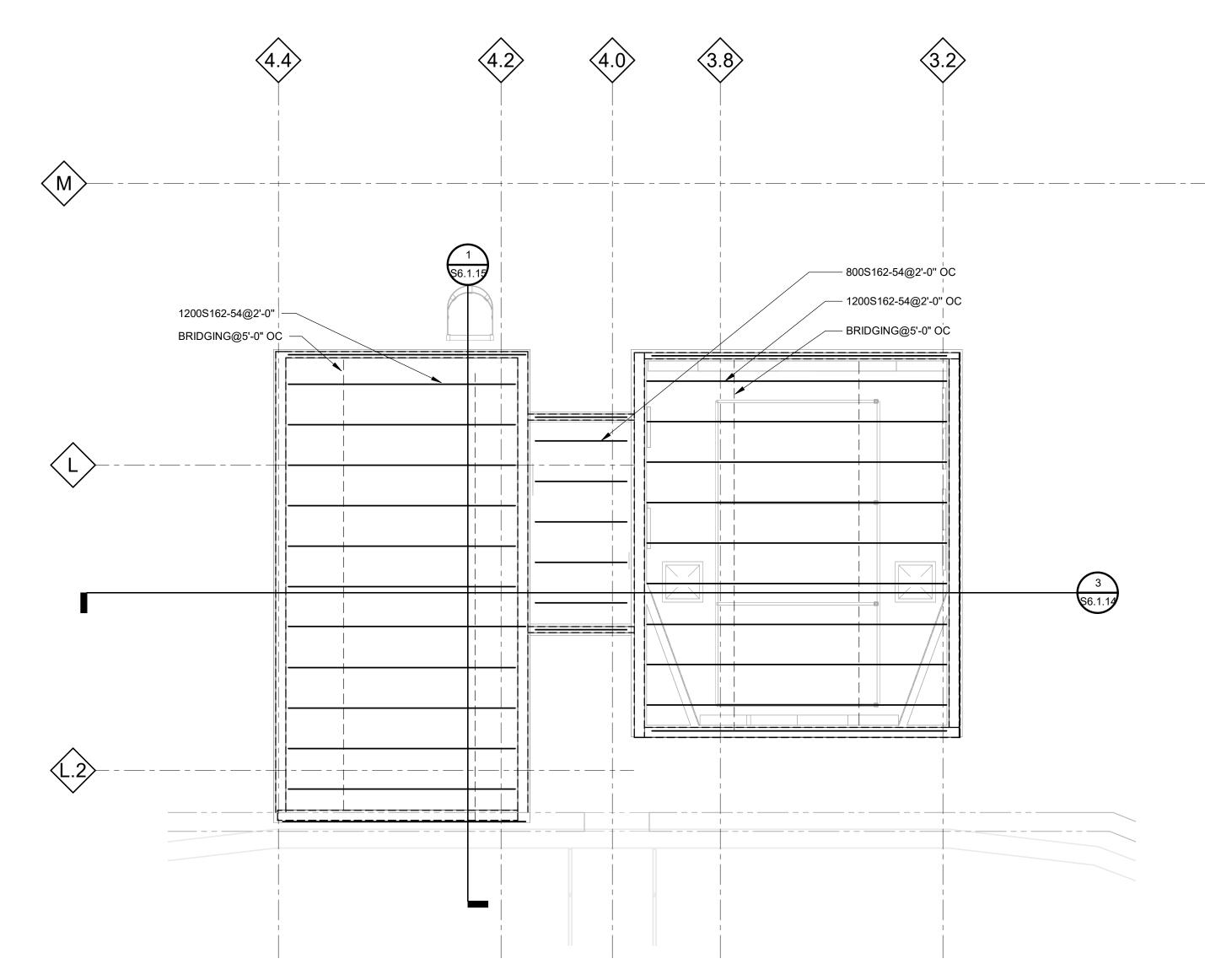




ENLARGED VALADE CONTROL ROOM
PLAN



ENLARGED VALADE CONTROL BOOTH FRAMING PLAN



ENLARGED VALADE CONTROL ROOM
ROOF FRAMING PLAN

1/4" = 1'-0"

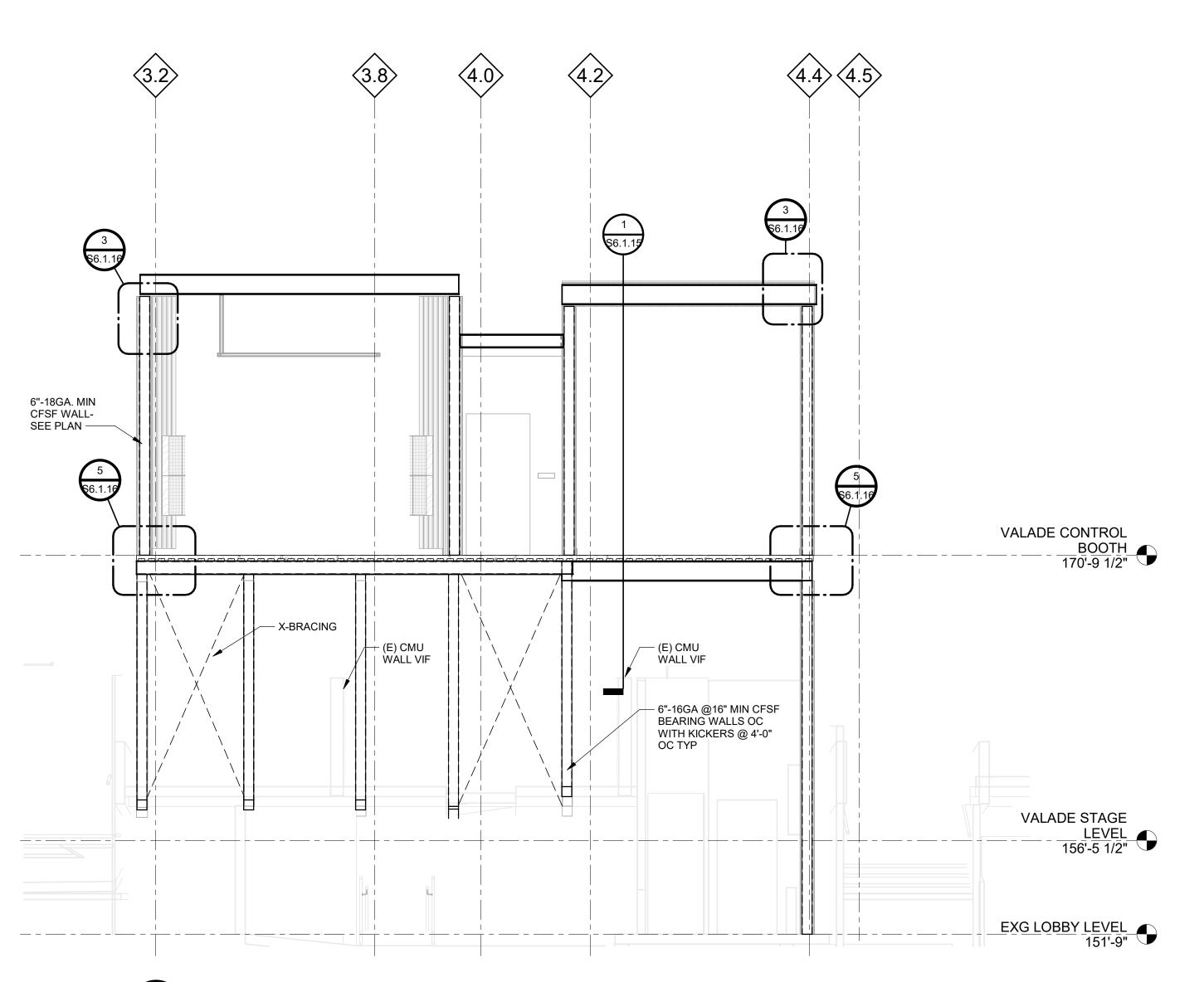
MIN. GALVANIZED STEEL FORM DECK (TOTAL 3 1/2" SLAB THICKNESS) 3-SPAN CONTINUOUS, REINFORCED WITH 6x6 W1.4xW1.4 W.W.F.

CONTINUOUS, REINFORCED WITH 6x6 W1.4xW1.4 W.W.F. PLACED MID-

FD-2: 3 1/2" LIGHT WEIGHT 4000PSI CONCRETE ON 2"- 20 GA.MIN.GALVANIZED

STEEL FORM DECK (TOTAL 5 " SLAB THICKNESS) IN. 3 SPAN

PLACED MID-DEPTH OF SLAB.



3 VALADE CONTROL BOOTH SECTION - E/W

1/4" = 1'-0"

HamiltonAnderson

HGA

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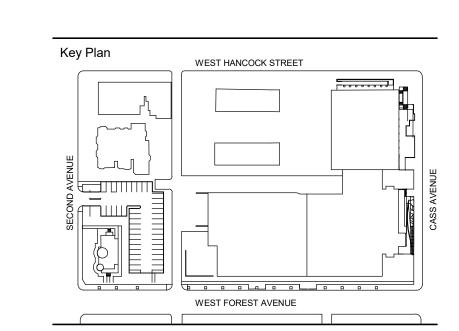
Lighting

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BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024

Proiect

WSU - GATEWAY

THEATER COMPLEX
WSU PROJECT NO. 189-178578
Drawing Title
VALADE CONTROL

BOOTH

Project Number: 2018034.00

Drawn By: FA

Scale: 1/4" = 1'-0"

al:

Signature: ____

S6.1.14

HamiltonAnderson

HGA

WAYNE STATE UNIVERSITY

wner Wayne State University FP&M
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Executive Architect Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226

Design Architect HGA
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Structural Engineer DESAI / NASR Consulting Engineers Inc.

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Landscape Architect Hamilton Anderson
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Theatrical Auerbach Pollock Friedlander 266 West 37th Street

New York, NY 10018 212.764.5630

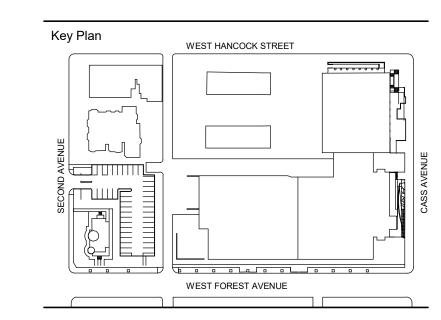
Lighting

Auerbach Glasow
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BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024

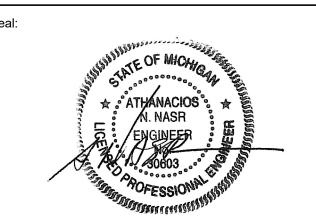
Project

WSU - GATEWAY
THEATER COMPLEX
WSU PROJECT NO. 189-178578

VALADE CONTROL BOOTH

Project Number: 2018034.00

Drawn By: Designer



Signature: ___

Scale: As indicated

S6.1.15

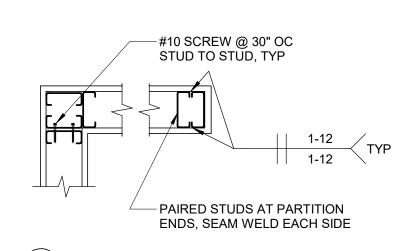
WHERE HEADER

SHOWN

[/] 4'-0" ≤ 'W' ≤ 8'-0"

INTERIOR WALL OPENING DETAILS

ANCHORAGE PER DETAILS FOR NON-BEARING OR BEARING PARTITIONS B PLAN - INTERSECTION - PARTITION FINISH - SEE ROOM MATERIAL AND FINISH SCHED — CFSF WALL SEE PLAN D PLAN - WALL STUD



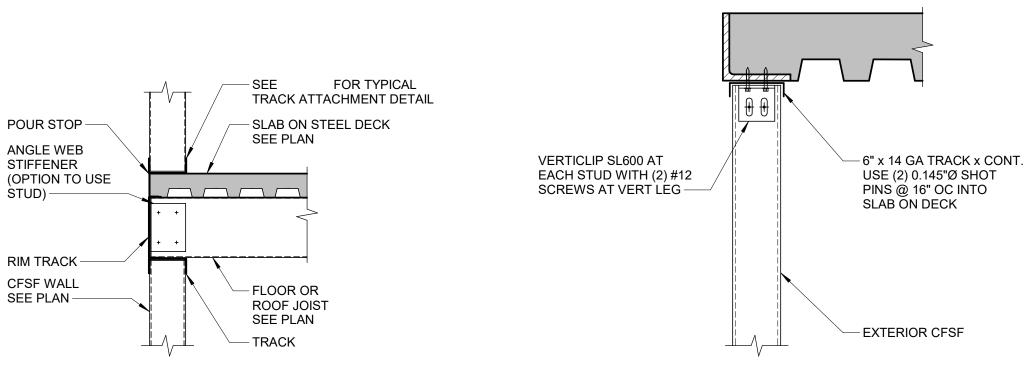
3/4" = 1'-0"

E PLAN - CORNER STUD WALL CORNER AND INTERSECTION PLANS

CFMF DETAILS PROVIDED ON SHEET S6.1.16 ARE CONCEPTUAL AND FOR BID PURPOSE ONLY. FINAL DESIGN AND DETAILING OF CONNECTION AND LTG FRAMING SHALL BE BY CONTRACTOR'S ENGINEER.

WITH #10 SCREW

@ 10" OC EACH



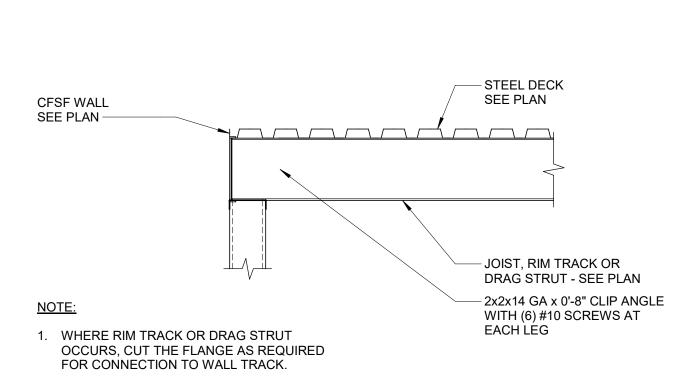
1. WHERE LARGER STUD WALL

SHOWN, USE 16 GA STUD OR

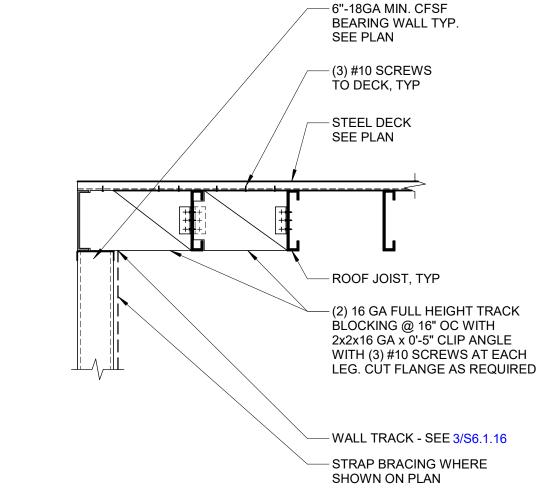
TRACK OF REQUIRED DEPTH.

JOIST BEARING ON STUD WALL

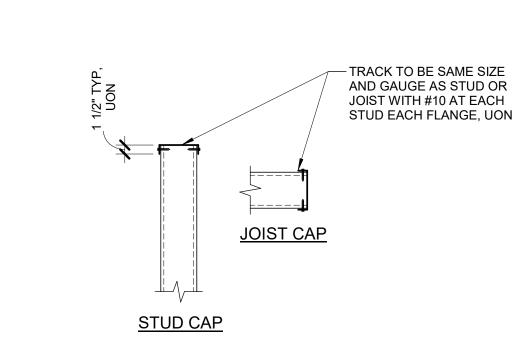




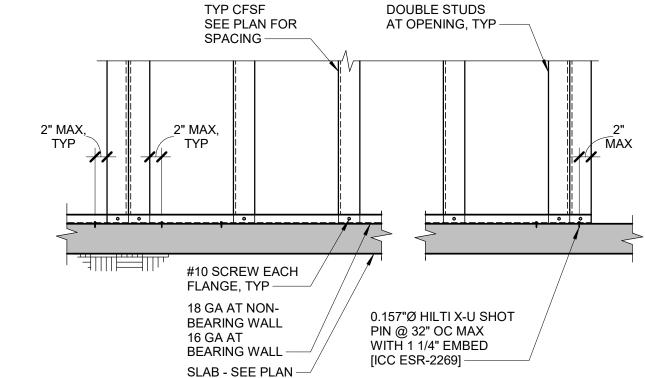
JOIST BEARING LEDGER AT STUD WALL



JOIST PARALLEL TO STUD WALL

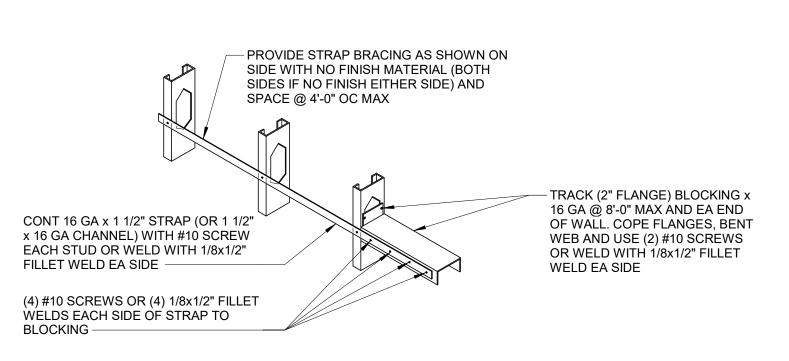


SLAB - SEE PLAN -**BEARING/NON-BEARING WALL** TYPICAL STUD AND JOIST CAP 8 TRACK ANCHORAGE ELEVATION



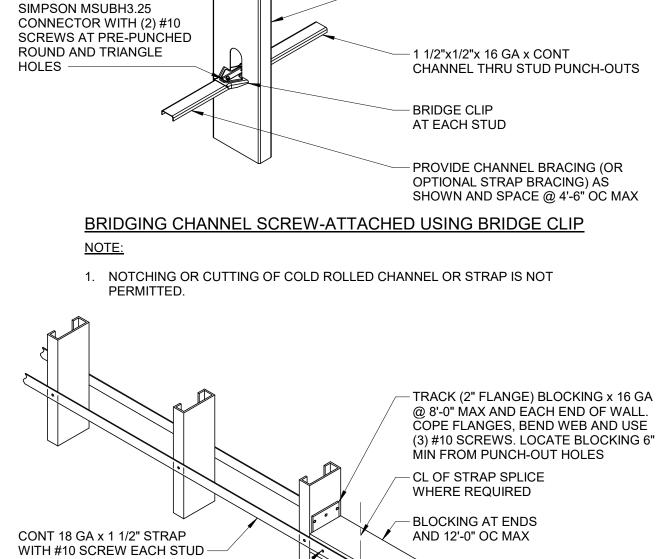
PLAN, TYP -1/8 / 1/2 — (4) #10 SCREWS, (2) EA LEG — 1 1/2" x 16 GA CONT CHANNEL THRU STUD BRIDGE CLIP AT EA STUD -PUNCH-OUTS - PROVIDE CHANNEL BRACING (OR $\ igcup$ OPTIONAL STRAP BRACING) AS SHOWN FOR STUDS WITH NO FINISH MATERIAL ONE OR BOTH SIDES AND SPACE @ 2'-0" OC MAX ----BRIDGING CHANNEL SCREW

WELD-ATTACHED USING BRIDGE CLIP



<u>ATTACHED USING BRIDGE CLIF</u>

OPTIONAL METHOD FLAT STRAP BRACING



OPTIONAL METHOD FLAT STRAP BRACING





(4) #10 SCREWS EACH SIDE OF STRAP TO BLOCKING —

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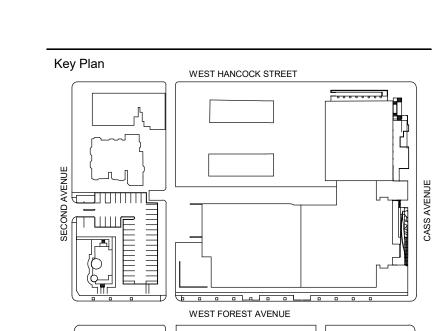
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BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024

WSU - GATEWAY THEATER COMPLEX WSU PROJECT NO. 189-178578 **COLD FORM TYPICAL**

DETAILS

Project Number: 2018034.00 Scale: 3/4" = 1'-0"



Drawing, No: Y

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PLAN KEY NOTES:

221 REFER TO LEVEL ABOVE FOR DUCTWORK CONTINUATION.

SALVAGE TO REUSE TO ACCOMODATE NEW LAYOUT.

SPECIFICATIONS FOR LINER REQUIREMENTS.

UNISTRUT SUPPORT ACCOMODATING RAMP.

ISOLATION WITH 1" DEFLECTION.

OUTSIDE AREA SCOPE OF WORK.

ALLOW FOR MAINTENANCE ACCESS

RETURN AIR GRILLES SHALL BE LOCATED 12" FROM BOTTOM OF FLOOR.

BLACK. FLEX DUCTWORK SHALL HAVE TOP CONNECTION TO PLENUM. ." RÉLOCATE EXISTING PAN COIL TO NEW LOCATION. EXISTING LOCATION IS APPROXIMATELY 10-15' FROM NEW LOCATION. REMOVE ALL EXISTING SUPPORTS, DUCTWORK, PIPING AND CONTROLS. IT IS ACCEPTABLE TO

PROVIDE PLENUM BEHIND DIFFUSER WITH INTERIOR SURFACE PAINTED FLAT

VRF FAN COILS SHALL BE MOUNTED OVER HARD STRUCTURE OVER ROOM. PROVIDE UNISTRUT STAND TO SUPPORT UNITS BY SPRING VIBRATION

MODIFY EXISTING UNISTRUT STRUCTURE FOR ADJACENT DUCTWORK STAND TO

PROVIDE DUCT LINER ON ALL RECTANGULAR DUCTWORK. REFER TO

AVOID NEW RAMP SERVING CONTROL BOOTH. RELOCATE AND MODIFY

COORDINATED AROUND NEW FLOOR PLAN THAT ARE SERVING EQUIPMENT

COORDINATE HEIGHT AND SPACING OF ALL NEW MECHANICAL SYSTEMS TO

. REFER TO A6.4.2 FOR SPECIFIC DIFFUSER MOUNTING LOCATION AND ELEVATION.

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REMOVE ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING TO ACCOMMODATE NEW FLOOR PLAN LAYOUT. REFER TO ARCHITECTURAL PLANS) Executive Architect Hamilton Anderson 1435 Randolph Street, Suite 200 FOR FULL EXTENTS OF SCOPE. RE-ROUTE OR RE-INSTALL SYSTEMS THAT ARE

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Landscape Architect Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226

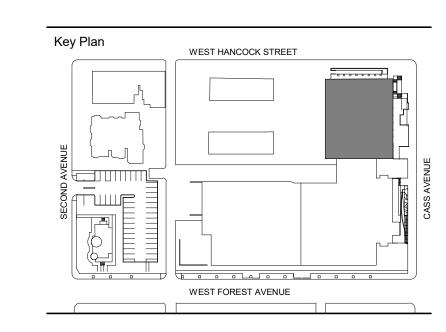
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DETROIT, MI



	-
BULLETIN 22 BP4 CONTROL BOOTH	APRIL 11, 2024
BULLETIN 19 BP4 2023-09-29	SEPT 29, 2023
BULLETIN 05-BP4 2020-10-02	OCT. 2, 2020
PERMIT SET	JUNE 29, 2020

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

LEVEL TWO HVAC -SECTOR A

Project Number: 3995-001-00





MECHANICAL PIPING GENERAL NOTES:

PLAN KEY NOTES:

 $\frac{5}{2}$ 2. NOT USED.

1. EXISTING RADIATORS TO REMAIN.

STRUCTURE ABOVE.

A. ALL REFRIGERANT PIPING SHALL BE SIZED PER EQUIPMENT MANUFACTURER. B. ALL REFRIGERANT PIPE ROUTING SHALL BE APPROVED BY VRF MANUFACTURER. MANUFACTURER SHALL CONFIRM MAXIMUM PIPE LENGTH

REQUIREMENTS, HEAT RECOVERY BOX LOCATIONS AND SLOPING REQUIREMENTS.

"FUTURE 1.5 TON UNIT SERVING BOH VESTIBULE".

"FUTURE 1.5 TON UNIT SERVING DRESSING ROOM".

"FUTURE 2.0 TON UNIT SERVING DRESSING ROOM".

"FUTURE 3.0 TON UNIT SERVING DONOR LOUNGE".

HEATING ELEMENTS AND PIPING SHALL REMAIN.

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3. PROVIDE PLASTIC LABEL LOCATED AT END CAPPED PIPES THAT IS TAGGED: 4. PROVIDE PLASTIC LABEL LOCATED AT END CAPPED PIPES THAT IS TAGGED

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Design Architect

ZONES MAY ONLY BE DOWN FOR MAXIMUM OF 3 DAYS. REPLACE WITH NEW UPSIZED HRB. REUSING EXISTING SUPPORTS IS ACCEPTABLE, OR PROVIDE NEW SUPPORTS. RECHARGE REFRIGERANT FOR THIS VRF HRB ZONE PER MANUFACTURER'S INSTRUCTION

STYLE SHALL MATCH EXISTING COVERS PREVIOUSLY REMOVED. RADIATOR

TO 80 DEG (ADJ) AND HEATING SET POINT FOR UNIT HEATER SHALL BE SET

TO 60 DEG (ADJ). REFER TO HVAC PLANS FOR MORE INFORMATION.

REFRIGERANT PIPING. RECOVER ALL REFRIGERANT IN SYSTEM AND

RECORD SYSTEM CHARGE. COORDINATE DEMO OF HRB SO THAT OTHER

12. LG VRF VENDOR SHALL CONFIRM ALL REFRIGERANT PIPE SIZES ARE SUFFICIENT THAT SERVE HEAT RECOVERY BOX. DESIGN ENGINEER HAS PRELIMINARILY COORDINATED THIS DESIGN WITH LG AND PIPES FROM CONDENSING UNIT DID NOT REQUIRE TO BE UPSIZED, HOWEVER ACTUAL FIELD CONDITIONS TO VERIFY THIS DECISION. CONTRACTOR TO CONFIRM FINAL SIZING REQUIREMENTS WITH VRF VENDOR.

13. RE-ROUTE CONDENSATE AND CONNECT TO EXISTING CONDENSATE BRANCH PIPE. FIELD VERIFY ACTUAL LOCATION OF CONDENSATE PIPE. 14. REMOVE ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING

TO ACCOMMODATE NEW FLOOR PLAN LAYOUT. REFER TO ARCHITECTURAL PLANS FOR FULL EXTENTS OF SCOPE. RE-ROUTE OR RE-INSTALL SYSTEMS THAT ARE COORDINATED AROUND NEW FLOOR PLAN THAT ARE SERVING EQUIPMENT OUTSIDE AREA SCOPE OF WORK.

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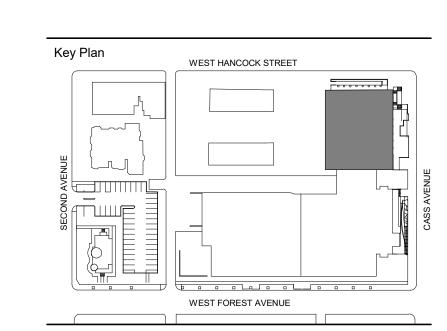
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DETROIT, MI





JUNE 29, 2020 WSU - GATEWAY

THEATER COMPLEX WSU PROJECT NO. 189-178578

Drawing Title

LEVEL TWO MECHANICAL PIPING -SECTOR A

Project Number: 3995-001-00

Scale: 1/8" = 1'-0"



M3.2A

										AIR T	ERMINAL	UNIT SCH	EDULE (V	AV)			I					· · · · · · · · · · · · · · · · · · ·	
UNIT N	UMBER	ROOM / LOCATION	<u> </u>		- Adia		ВОХ	DATA						ATING COIL DA	ATA			DUNGUT			BASIS C	PF DESIGN	
MARK	TAG	NAME	NUMBER	MAX AIRFLOW (CFM)	MIN AIRFLOW (CFM)	HEATING AIRFLOW (CFM)	INLET (IN.)	OUTLET (W"XH")	MAX. DISCHARGE NC	MAX AIR PD (IN. WG)	HEATING CAPACITY	FLOW (GPM)	MAX FLUID PD (FT. WC)	EAT (°F)	LAT (°F)	EFT (°F)	LFT (°F)	RUNOUT PIPE SIZE (IN.)	CONTROL VALVE TYPE	ROWS	MANUFACTURER	MODEL	NOTES
VAV	1.01	MECHANICAL PENTHOUSE	2315	7,000	2,100	1,500	28x28	28x28	20	0.30											CUSTOM BUILT-UP	CUSTOM BUILT-UP 1	
VAV	2.01	CORRIDOR	0290.21	1,210	0	600	12	16x15	20	0.50	24.0	2.8	2.1	53	90.0	120	103	3/4"	2 WAY	2	TITUS	DESV-12	
VAV	2.02	CORRIDOR	0290.21	600	180	300	8	12x8	22	0.40	12.0	3.4	1.7	53	90.0	120	113	3/4"	2 WAY	2	TITUS	DESV-8	
VAV	2.03	CORRIDOR	0290.20	625	0	300	8	12x8	22	0.40	12.0	3.4	1.7	53	90.0	120	113	3/4"	2 WAY	2	TITUS	DESV-8	
VAV	2.04	MECHANICAL PENTHOUSE	2315	4,000	1,200	2,500	24x16	38x18	25	0.70	91.8	9.7	10.5	53	87.0	120	101	1 1/4"	2 WAY	2	TITUS	DESV-24X16	
VAV	2.05	MECHANICAL PENTHOUSE	2315	4,000	1,200	2,500	24x16	38x18	25	0.70	91.8	9.7	10.5	53	87.0	120	101	1 1/4"	2 WAY	2	TITUS	DESV-24X16	
VAV	2.06	MECH	2290.08	1,100	330	550	10	14x13	20	0.60	22.0	3.7	2.9	53	90.0	120	108	3/4"	2 WAY	2	TITUS	DESV-10	
VAV	2.07	MECH	2290.08	1,000	300	500	10	14x13	20	0.60	20.0	2.9	1.8	53	90.0	120	106	3/4"	2 WAY	2	TITUS	DESV-10	
VAV	2.08	MECHANICAL PENTHOUSE	2315	4,800	1,440	2,900	24x16	38x18	25	0.90	106.5	7.3	3.2	53	87.0	120	91	1 1/4"	2 WAY	3	TITUS	DESV-24X16	
VAV	2.09	STORAGE	1225	485	0	200	8	12x8	22	0.30	8.0	1.8	0.5	53	90.0	120	111	3/4"	2 WAY	2	TITUS	DESV-8	
VAV	2.10	BOH STORAGE	1235	800	0	400	10	14x13	20	0.70	16.0	3.2	1.8	53	90.0	120	110	3/4"	2 WAY	2	TITUS	DESV-10	
VAV	2.11	BOH STORAGE	1235	600	180	300	8	12x8	22	0.30	12.0	3.4	1.7	53	90.0	120	113	3/4"	2 WAY	2	TITUS	DESV-8	
VAV	2.12	CONTROL ROOM (ST)	2223	800	240	400	10	14x13	20	0.50	16.0	3.2	1.8	53	90.0	120	110	3/4"	2 WAY	2	TITUS	DESV-10	
VAV	2.13	MECHANICAL PENTHOUSE	2315	500	0	250	8	12x8	22	0.30	10.0	1.8	0.5	53	90.0	120	109	3/4"	2 WAY	2	TITUS	DESV-8	
VAV	3.01	CORRIDOR-1	1390.04-1	1,175	353	600	12	16x15	20	0.40	24.0	5.3	7.0	53	90.0	120	111	1"	2 WAY	2	TITUS	DESV-12	
VAV	3.02	ELEC/SOUND SHOP/STOR	1328	360	108	180	6	12x8	25	0.20	7.2	1.3	0.5	53	90.0	120	109	3/4"	2 WAY	2	TITUS	DESV-6	
VAV	3.03	ELEC/SOUND SHOP/STOR	1328	1,000	300	500	10	14x13	20	0.60	20.0	2.9	1.8	53	90.0	120	106	3/4"	2 WAY	2	TITUS	DESV-10	
VAV	3.04	CORRIDOR-1	1390.04-1	1,215	365	600	12	16x15	20	0.40	24.0	5.3	7.1	53	90.0	120	111	1"	2 WAY	2	TITUS	DESV-12	
VAV	3.05	CORRIDOR-1	1390.04-1	1,100	330	1,100	10	14x13	20	0.70	44.0	5.5	3.0	53	90.0	120	104	1"	2 WAY	2	TITUS	DESV-10	
VAV	3.06	CORRIDOR-1	1390.04-1	1,210	363	1,210	12	16x15	20	0.40	48.4	5.7	7.0	53	90.0	120	103	1"	2 WAY	2	TITUS	DESV-12	
VAV	3.07	CORRIDOR-1	1390.04-1	200	60	100	6	12x8	25	0.10	4.0	0.5	0.5	53	90.0	120	99	3/4"	2 WAY	2	TITUS	DESV-6	
VAV	3.08	CORRIDOR-2	1390.04-2	350	105	175	6	12x8	25	0.20	7.0	1.2	0.5	53	90.0	120	108	3/4"	2 WAY	2	TITUS	DESV-6	
VAV	3.09	CORRIDOR-2	1390.04-2	2,800	840	1,600	16	24x18	22	0.70	63.9	12.8	15.2	53	90.0	120	110	1 1/4"	2 WAY	2	TITUS	DESV-16	
VAV	3.10	CORRIDOR-2	1390.04-2	550	165	275	8	12x8	22	0.30	11.0	2.4	0.9	53	90.0	120	111	3/4"	2 WAY	2	TITUS	DESV-8	
VAV	3.11	DRESSING ROOM	1310	900	270	800	10	14x13	20	0.50	27.6	4.6	4.3	53	85.0	120	108	1"	2 WAY	2	TITUS	DESV-10	
VAV	3.12	DRESSING ROOM	1306	750	225	650	10	14x13	20	0.30	22.5	2.6	1.5	53	85.0	120	103	3/4"	2 WAY	2	TITUS	DESV-10	
VAV	3.13	CORRIDOR-2	1390.04-2	575	173	500	8	12x8	22	0.50	17.3	1.3	0.5	53	85.0	120	94	3/4"	2 WAY	3	TITUS	DESV-8	
VAV	3.14	CORRIDOR-2	1390.04-2	575	173	500	8	12x8	22	0.50	17.3	1.3	0.5	53	85.0	120	94	3/4"	2 WAY	3	TITUS	DESV-8	
VAV	3.15	CORRIDOR-2	1390.04-2	600	180	300	8	12x8	22	0.30	12.0	3.4	1.7	53	90.0	120	113	3/4"	2 WAY	2	TITUS	DESV-8	
VAV	3.16	CORRIDOR-2	1390.04-2	800	240	400	10	14x13	20	0.40	16.0	1.8	0.7	53	90.0	120	102	3/4"	2 WAY	2	TITUS	DESV-10	
VAV	3.17	5 DRESSING ROOM	1306	500	150	250	8	12x8	22	0.30	10.0	1.8	0.5	53	90.0	120	109	3/4"	2 WAY	2	TITUS	DESV-8	
VAV	4.01	WOMEN-1	1213-1	1,050	315	800	10	14x13	20	0.60	32.0	4.0	1.6	53	90.0	120	104	3/4"	2 WAY	3	TITUS	DESV-10	
VAV	4.02	WOMEN-1	1213-1	500	150	375	8	12x8	22	0.30	15.0	1.9	1.5	53	90.0	120	104	3/4"	2 WAY	2	TITUS	DESV-8	
VAV	4.03	CAFE	1201	690	207	500	10	14x13	20	0.60	20.0	3.1	2.6	53	90.0	120	107	3/4"	2 WAY	2	TITUS	DESV-10	
VAV	4.04	WOMEN-1	1213-1	375	113	200	6	12x8	25	0.30	8.0	0.9	2.1	53	90.0	120	103	3/4"	2 WAY	2	TITUS	DESV-6	
VAV	4.05	MECH	2290.08	500	150	250	8	12x8	22	0.30	10.0	1.8	0.5	53	90.0	120	109	3/4"	2 WAY	2	TITUS	DESV-8	
VAV	4.06	MECH	2290.08	470	141	250	8	12x8	22	0.30	10.0	4.0	1.9	53	90.0	120	115	1"	2 WAY	2	TITUS	DESV-8	
VAV	4.07	CAFE	1201	4,200	1,260	2,900	24x16	38x18	25	0.90	115.9	10.1	5.4	53	90.0	120	97	1 1/4"	2 WAY	3	TITUS	DESV-24X16	
VAV	4.08	MECH	2290.08	3,780	1,135	2,800	24x16	38x18	25	0.70	111.9	9.3	4.8	53	90.0	120	96	1 1/4"	2 WAY	3	TITUS	DESV-24X16	
VAV	5.01	METAL SHOP	1350	1,700	510	1,200	14	20x18	25	0.50	48.0	4.0	1.3	53	90.0	120	96	1"	2 WAY	3	TITUS	DESV-14	
VAV	5.02	METAL SHOP	1350	500	150	350	8	12x8	22	0.30	14.0	2.2	0.9	53	90.0	120	107	3/4"	2 WAY	2	TITUS	DESV-8	
VAV	5.03	METAL SHOP	1350	4,225	1,270	2,900	24x16	38x18	25	0.90	115.9	10.1	5.4	53	90.0	120	97	1 1/4"	2 WAY	3	TITUS	DESV-24X16	
VAV	5.04	METAL SHOP	1350	4,600	1,380	3,300	24x16	38x18	25	0.90	131.9	13.2	8.8	53	90.0	120	100	1 1/4"	2 WAY	3	TITUS	DESV-24X16	

NOTES:

1. BUILT UP VAV BOX SHALL HAVE INDEPENDENT OPPOSED BLADE MOTORIZED DAMPER WITH NEOPRENE SEAL AND AIRFLOW MEASURING STATION. NO HEATING COIL.

						V				SCHEDUI	LE (VRF-FC)			1					ı	
	ROOM / LOCATION				FAN			IG PERFORMAI	ICE		HEATING	PERFORMANO	E			ELECTRICAL		BASIS OF I	DESIGN	
				SUPPLY AIRFLOW		TOTAL CAPACITY		HRI 1230 ITIONS)	L	AT	HEATING CAPACITY			CONDENSATE						
UNIT NUMBER	NAME	NUMBER	UNIT TYPE	(CFM)	ESP (IN. WG)	(MBH)	DB (°F)	WB (°F)	DB (°F)	WB (°F)	(MBH)	EAT (°F)	LAT (°F)	PUMP (Y/N)	FLA	VOLTAGE	PHASE	MANUFACTURER	MODEL	NOTES
VRF-FC-A.1	PIANO STORAGE	0101	WALL HUNG	250		9.6	80 °F	67 °F	45 °F	44 °F	10.9	70 °F	110 °F	YES	0.25	208	1	LG	ARNU093-SJ	
VRF-FC-A.2	ELEV. MACH. RM	1102	WALL HUNG	250		9.6	80 °F	67 °F	45 °F	44 °F	10.9	70 °F	110 °F	YES	0.25	208	1	LG	ARNU093-SJ	
VRF-FC-A.3	SIL	2210	DUCTED INLINE 22	500	0.4	19.1	80 °F	67 °F	45 °F	44 °F	21.5	70 °F	110 °F	YES	2.3	208	1	LG	ARNU183-M2	
VRF-FC-A.3	LIGHTING/VIDEO CONTROL ROOM	2210.1	DUCTED INLINE	550	0.4	19.1	80 °F	67 °F	45 °F	44 °F	21.5	70 °F	110 °F	YES	2.3	208	1	LG	ARNU183-M2	
VRF-FC-A.4	BOH CORRIDOR	1190.19	DUCTED INLINE	1500	0.4	36.0	80.°F	67°F	45 °F	44.°F	38.0	70 °F	110 °E	YES	2,3	208		LG	ARNU363-M2	
VRF-FC-A.5	LIGHTING/VIDEO CONTROL ROOM	2210.1	DUCTED INLINE	550	0.6	19.1	80 °F	67 °F	45 °F	44 °F	21.5	70 °F	110 °F	YES	2.3	208	1	LG	ARNU183-M2	<u>\(\) \(\) \(\) \(\)</u>
VRF-FC-B.1	BOH CORRIDOR	1190.19	DUCTED INCINE	600	0.4	19.1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	67°F	50°F	49°F	21.5	76°F	103°F	YES	2.3	208		The state of the s	ARNU183-M2	
VRF-FC-B.2	PIANO STORAGE	1210	WALL HUNG	250		9.6	80 °F	67 °F	45 °F	44 °F	10.9	70 °F	110 °F	NO	0.25	208	1	LG	ARNU093-SJ	λ
VRF-FC-B.3	AV RACK ROOM	1218	WALL HUNG	425		19.1	80 °F	67 °F	45 °F	44 °F	21.5	70 °F	110 °F	NO	0.52	208	1	LG	ARNU183-SK	
VRF-FC-B.4			DUCTED INLINE	350	0.3	15.0	80 °F	67 °F	45 °F	44 °F	11.0	70 °F	110 °F	YES	2.0	208	1	LG	ARNU093-M2	
VRF-FC-B.5	ACCESSIBLE DRESSING ROOM-1	1128-1	1-WAY OR 2-WAY THROW	300		9.6	80 °F	67 °F	45 °F	44 °F	10.9	70 °F	110 °F	NO	0.2	208	1	LG	ARNU093-TUD	
VRF-FC-B.6	STAR DRESSING ROOM-1	1127-1	1-WAY OR 2-WAY THROW	300		9.6	80 °F	67 °F	45 °F	44 °F	10.9	70 °F	110 °F	NO	0.2	208	1	LG	ARNU093-TUD	
VRF-FC-B.8	OFFICE-1	2128-1	DUCTED INLINE	600	0.4	19.1	80 °F	67 °F	50 °F	49 °F	21.5	70 °F	103 °F	NO	2.3	208	1	LG	ARNU183-M2	
VRF-FC-B.9			WALL HUNG	250		9.6	80 °F	67 °F	45 °F	44 °F	10.9	70 °F	110 °F	NO	0.25	208	1	LG	ARNU093-SJ	
VRF-FC-C.1	ELECTRICAL ROOM	0302	WALL HUNG	250		12.3	80 °F	67 °F	45 °F	44 °F	13.6	70 °F	110 °F	YES (REMOTE)	0.25	208	1	LG	ARNU123-SJ	
VRF-FC-C.2	ELECTRICAL ROOM	0302	WALL HUNG	250		12.3	80 °F	67 °F	45 °F	44 °F	13.6	70 °F	110 °F	NO	0.25	208	1	LG	ARNU123-SJ	
VRF-FC-C.3	STAIR G-1	0290.05-1	WALL HUNG	530		24.2	80 °F	67 °F	45 °F	44 °F	25.6	70 °F	110 °F	YES	0.52	208	1	LG	ARNU243-SK	
VRF-FC-C.4	MDF	1221	WALL HUNG	250		12.3	80 °F	67 °F	45 °F	44 °F	13.6	70 °F	110 °F	NO	0.25	208	1	LG	ARNU123-SJ	
VRF-FC-D.1	ELEV EQUIP	0303	WALL HUNG	250		12.3	80 °F	67 °F	45 °F	44 °F	13.6	70 °F	110 °F	NO	0.25	208	1	LG	ARNU123-SJ	
VRF-FC-D.2	STAIR I	1290.19	WALL HUNG	530		24.2	80 °F	67 °F	45 °F	44 °F	25.6	70 °F	110 °F	NO	0.52	208	1	LG	ARNU243-SK	
VRF-FC-D.3	ELEC	1324	WALL HUNG	250		12.3	80 °F	67 °F	45 °F	44 °F	13.6	70 °F	110 °F	NO	0.25	208	1	LG	ARNU123-SJ	
VRF-FC-D.4	AUDIO RACK	2231	WALL HUNG	820		35.5	80 °F	67 °F	45 °F	44 °F	37.0	70 °F	110 °F	NO	0.81	208	1	LG	ARNU363-SV	
VRF-FC-D.5	ELECTRICAL	2234	WALL HUNG	700		30.0	80 °F	67 °F	45 °F	44 °F	32.0	70 °F	110 °F	NO	0.51	208	1	LG	ARNU303-SV	
VRF-FC-D.6	ELECTRICAL	2234	WALL HUNG	700		30.0	80 °F	67 °F	45 °F	44 °F	32.0	70 °F	110 °F	NO	0.51	208	1	LG	ARNU303-SV	
VRF-FC-D.7	DIMMER	2230	WALL HUNG	700		30.0	80 °F	67 °F	45 °F	44 °F	32.0	70 °F	110 °F	NO	0.51	208	1	LG	ARNU303-SV	
VRF-FC-D.8	IDF	2235	WALL HUNG	250		9.6	80 °F	67 °F	45 °F	44 °F	10.9	70 °F	110 °F	NO	0.25	208	1	LG	ARNU093-SJ	

TOTAL COOLING CAPACITY @ HEATING CAPACITY

95°F (MBH)

72.0

168.0

72.0

168.0

3. PROVIDE ULTRA-LOW AMBIENT KIT TO PROVIDE HEATING OPERATION DOWN TO -22 DEG F.
4. PROVIDE TOP DUCTED AIR GUIDE IN LIEU OF LOW AMBIENT KIT WITH BAFFLES.

@ 17°F (MBH)

189.0

81.0

189.0

CONNECTION, . PROVIDE ANY AND ALL MANUFACTURER RECOMMENDED VALVES, FITTINGS AND ACCESSORIES. PROVIDE LOW AMBIENT KIT INTAKE

1. PROVIDE HEAT RECOVERY CONTROL MODULE WITH ISOLATION VALVES, BRANCH FITTING KITS, HAIL GUARDS, AND SINGLE POINT POWER

12.8

28.5

12.8

28.5

UNIT

LOCATION

BAFFLES AND TOP HOOD.

2. PROVIDE 24" STEEL SUPPORT STAND FOR VRF UNITS.

VRF-CU-A VALADE FAN ROOM |

VRF-CU-B VALADE FAN ROOM

VRF-CU-C UTILITY YARD

VRF-CU-D UTILITY YARD

			GRILLES, REGISTERS AND DIFFUSERS SCHEDULE
	TAG	USAGE	DESCRIPTION
	D1	SUPPLY CEILING DIFFUSER	TITUS MODEL "OMNI" FULL FACE 24" STEEL PLAQUE STYLE SQUARE CEILING DIFFUSER WITH ROUND NECK. PROVIDE FRAME TO MATCH CEILING SYSTEM. DIFFUSER NECK MAY BE SMALLER THAN BRANCH DUCT, PROVIDE REDUCER IF NECESSARY.
	D2	SUPPLY CEILING DIFFUSER	TITUS MODEL "OMNI" FULL FACE 12" STEEL PLAQUE STYLE SQUARE CEILING DIFFUSER WITH ROUND NECK. PROVIDE FRAME TO MATCH CEILING SYSTEM. DIFFUSER NECK MAY BE SMALLER THAN BRANCH DUCT, PROVIDE REDUCER IF NECESSARY.
X	D4	SUPPLY SLOT DIFFUSER	TITUS MODEL "FL-15" LINEAR SINGLE 1.5" ALUMINUM SLOT DIFFUSER IN CEILING OR EXPOSED. LENGTH OF SLOT SHALL BE 48". PROVIDE PLENUM WITH 1" LINER WITH OVAL OR ROUND NECK CONNECTION. ADJUSTABLE AIR PATTERN CONTROLLER SHALL BE SET TO JET-THROW STYLE. PROVIDE STANDARD FRAME IF EXPOSED OR TO MATCH CEILING SYSTEM.
	D6	SUPPLY LINEAR BLADE DIFFUSER	TITUS MODEL "301FL", LINEAR BLADE ALUMINUM DIFFUSER. SURFACE MOUNT FLUSH STYLE FRAME. BLADE SPACING SHALL BE 3/4" AND SHALL BE ADJUSTABLE.
	D7	SUPPLY SPIRAL DUCT MOUNTED DIFFUSER	TITUS MODEL "S300FL", LINEAR BLADE ALUMINUM DIFFUSER. SPIRAL DUCT MOUNTED GRILLE SHALL MATCH RADIUS OF ASSOCIATED DUCTWORK WITH FOAM GASKET SEAL. AIR SCOOP DAMPER WITH ADJUSTABLE SCREW SCHALL BE CONCEALED WITHIN GRILLE. FINISH SHALL MATCH DUCT.
	D8	OPEN OUTLET	OPEN ROUND OUTLET WITH FLEXIBLE DUCTWORK TO MATCH DUCT OUTLET. ALL INTERIOR SURFACES OF DUCT OR LINER TO BE FLAT BLACK.
	D9	OPEN OUTLET	OPEN OUTLET TO MATCH DUCT OUTLET. ALL INTERIOR SURFACES OF DUCT OR LINER TO BE FLAT BLACK.
	D10	OPEN OUTLET	OPEN OUTLET WITH DUCT PLENUM AND OUTLET BOTTOM PLATE. ALL INTERIOR SURFACES OF DUCT, LINER, OR DIFFUSER PLATE TO BE FLAT BLACK.
	D11	SUPPLY GEOMETRIC WALL DIFFUSER	REGGIO REGISTERS, MODEL "ASHER METAL GRILLE", GEOMETRIC CUSTOM GRILLE FACE, FLUSH STYLE FRAME FOR GYPSUM WALL. CUSTOM COLOR TO MATCH WALL FINISH. BEVELED FRAME EDGE.
	G1	RETURN / EXHAUST CEILING GRILLE	TITUS MODEL "50F" FULL FACE 24" X 24" EGGCRATE STYLE ALUMINUM RECTANGULAR CEILING GRILLE WITH SQUARE NECK. PROVIDE FRAME TO MATCH CEILING SYSTEM.
	G2	RETURN / EXHAUST CEILING GRILLE	TITUS MODEL "50F" FULL FACE 24" X 12" EGGCRATE STYLE ALUMINUM RECTANGULAR CEILING GRILLE WITH SQUARE NECK. PROVIDE FRAME TO MATCH CEILING SYSTEM.
	G3	RETURN / EXHAUST CEILING GRILLE	TITUS MODEL "50F" FULL FACE 12" X 12" EGGCRATE STYLE RECTANGULAR CEILING GRILLE WITH SQUARE NECK. PROVIDE FRAME TO MATCH CEILING SYSTEM.
	G4	RETURN / EXHAUST LINEAR BLADE GRILLE	TITUS MODEL "350FL", LINEAR BLADE ALUMINUM GRILLE. SURFACE MOUNT FLUSH STYLE FRAME. BLADE SPACING SHALL BE 3/4" AND SHALL BE FIXED ANGLED BLADES.
	G5	RETURN / EXHAUST LINEAR BLADE GRILLE	TITUS MODEL "350RLF1", LINEAR BLADE STEEL GRILLE. SURFACE MOUNT FLUSH STYLE FRAME. BLADE SPACING SHALL BE ¾" AND SHALL BE FIXED ANGLED BLADES. INTEGRAL 1" FILTER BEHIND GRILLE, FACE OF GRILLE SHALL HAVE QUARTER TURN FASTENERS FOR FILTER REPLACMENT.
	G6	RETURN / EXHAUST LATTICE GRILLE	TITUS MODEL "SG-LFO-AA", FULL LATTICE FACE ALUMINUM GRILLE. PROVIDE FRAME TO BE INSTALLED IN EXTERIOR SOFFIT. PROVIDE CUSTOM COLOR TO MATCH SURFACE.
	G7	RETURN / EXHAUST SLOT	TITUS MODEL "FL-20" LINEAR SINGLE 2.0" ALUMINUM SLOT DIFFUSER IN CEILING. LENGTH OF SLOT SHALL BE 48". PROVIDE PLENUM LIGHT SHEILD OVER SLOT DIFFUSER.
	G8	RETURN FLOOR GRILLE	TITUS MODEL "TAFR-AA" ROUND ALUMINUM UNDERFLOOR GRILLE. DIAMETER SHALL MATCH EXISTING FLOOR OPENINGS. PROVIDE TOP GRILLE ONLY FOR RETURN USE, VOLUME DAMPER BASEKET NOT REQUIRED.
)	G9	RETURN GEOMETRIC WALL GRILLE	REGGIO REGISTERS, MODEL "ASHER METAL GRILLE", GEOMETRIC CUSTOM GRILLE FACE, FLUSH STYLE FRAME FOR GYPSUM WALL. CUSTOM COLOR TO MATCH WALL FINISH. BEVELED FRAME EDGE.

			VRF I	HEAT REC	OVERY B	OX SC	HEDULE ((VRF-HRB)		
		ROOM / LOC	ATION	NUMBER OF	El	LECTRICA	L	BASIS OF DESIG	SN	
	UNIT NUMBER	NAME	NUMBER	PORTS	VOLTAGE	PHASE	FLA	MANUFACTURER	MODEL NOTES	j
<u> 2</u> 2	VRF-HRB-A.1	UNUSED /	2105	6	208	1 1	0.2	LG	PRHR06	
/22	Lun	STORAGE	www.	m	m	M	M	mmm		
	VRF-HRB-B.1	OFFICE-1	2128-1	8	208	1	0.2	LG	PRHR08	
	VRF-HRB-B.2	OFFICE	2126	6	208	1	0.2	LG	PRHR06	
	VRF-HRB-C.1	CORRIDOR	0290.21	3	208	1	0.2	LG	PRHR03	
	VRF-HRB-D.1	CORRIDOR-2	1390.04-2	4	208	1	0.2	LG	PRHR04	
	VRE-HRR-D 2	MECHANICAL	2315	Q.	208	1	0.2	IG	PRHR08	

VOLTAGE PHASE CONN. (Y/N)

SINGLE POINT

YES

YES

YES

YES

BASIS OF DESIGN

MODEL NOTES

ARUM072-DTE5 1, 3, 4 /5\

ARUM169-DTE5 1, 3, 4

ARUM072-DTE5 1, 2, 3

ARUM169-DTE5 1, 2, 3

VRF CONDENSING UNIT - AIR SOURCE SCHEDULE (VRF-CU)

ELECTRICAL

208

NOTES:
1. DIFFUSERS WITHIN THEATER SPACES, ADJACENT CORRIDORS & SLL'S SHALL BE BLACK OR GRAY AS NOTED IN ARCHITECTURAL PLANS.

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HGA

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Theatrical

Auerbach Pollock Friedlander

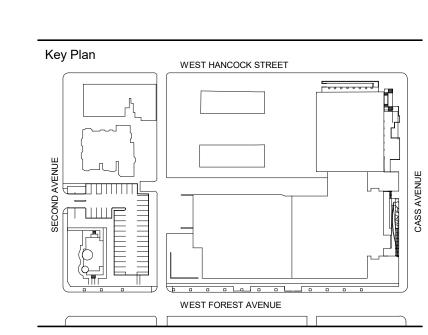
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BULLETIN 22 BP4 CONTROL BOOTH
BULLETIN 19 BP4 2023-09-29
BULLETIN 05-BP4 2020-10-02
PERMIT SET

APRIL 11, 2024
SEPT 29, 2023
OCT. 2, 2020
JUNE 29, 2020

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

Drawing Title

MECHANICAL

MECHANICAL SCHEDULES

Project Number: 3995-001-00

Drawn By: BDP

Scale:

Seal:



wing No:

M8.2

313.577.2424 Contractor Walbridge

Executive Architect Hamilton Anderson

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5. ALL DRESSING ROOM TABLE RECEPTACLE TO BE 36" AFF AND LIGHT FIXTURES TO 72" AFF BOTH WILL BE WIRED TO PILOT LIGHT OUTSIDE OF ROOMS.

6. PROVIDE (14) ISOLATED GROUND CIRCUITS FROM PANEL TDPP-3 FOR AV RÀCK. (8) CIRCUITS SHALL BE 120V, 20A. (6) CIRCUITS SHALL BE 120V, 30A.

VALADE POWER GENERAL NOTES:

KEYNOTES:

A. EXISTING DEVICES TO REMAIN UNLESS NOTED OTHERWISE.

1. EXTEND THEATRICAL BRANCH CIRCUITING TO NEW DIMMER RACK LOCATION. VERIFY CONDITION OF EXISTING CONDUCTORS

GREATER THAN 20% TOTAL CROSS SECTIONAL AREA PER NEC

4. PROVIDE PILOT LIGHT TO INDICATE POWER STATUS OF DRESSING

ROOM COUNTERTOP RECEPTACLES AND LIGHT FIXTURES.

JACKETS AND RACEWAY FILL, RACEWAY FILL SHALL BE NO

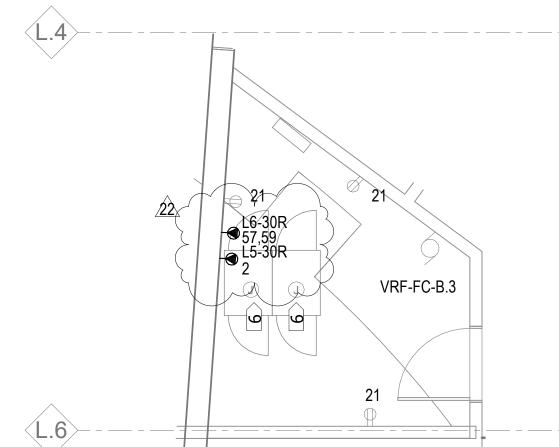
2. ELEVATOR LIFT MOTOR AND LIFT CONTROLS.

3. RECEPTACLE TO BE MOUNTED IN AV BACK BOX.

7. EXISTING 40 TON EXTERIOR CONDENSING UNIT TO BE TEMPORARILY RELOCATED DURING NEW BUILDING CONSTRUCTION. REFEED ELECTRICAL CONNECTIONS TO UNIT AS NECESSARY AND COORDINATE WITH MECHANICAL CONTRACTOR. RACEWAY PATH FOR NEW CHILLER LOCATION SHALL FOLLOW CHILLER PIPING.

8. PROVIDE 120V EMERGENCY CONNECTION FOR FIRE SMOKE DAMPER.

9. RE-ROUTE EXISTING WIRE MOLD AROUND NEW DOOR OPENING.



2 AV RACK ROOM 1/4" = 1'-0"

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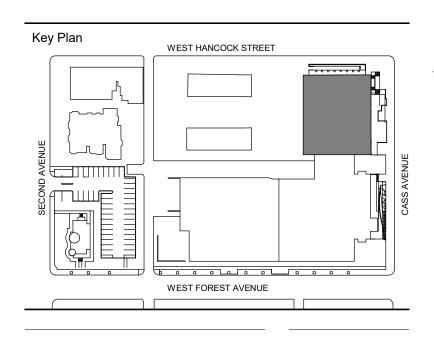
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BULLETIN 21
BULLETIN 20
BULLETIN 19 R1 BP4 2023-10-25 FEB. 16, 2024 JAN. 5, 2024 OCT 25, 2023 BULLETIN 19
BULLETIN 05- BP4 2020-10-02
PERMIT SET SEPT 29, 2023 OCT. 2, 2020 JUNE 29, 2020

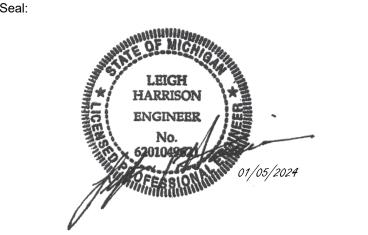
WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

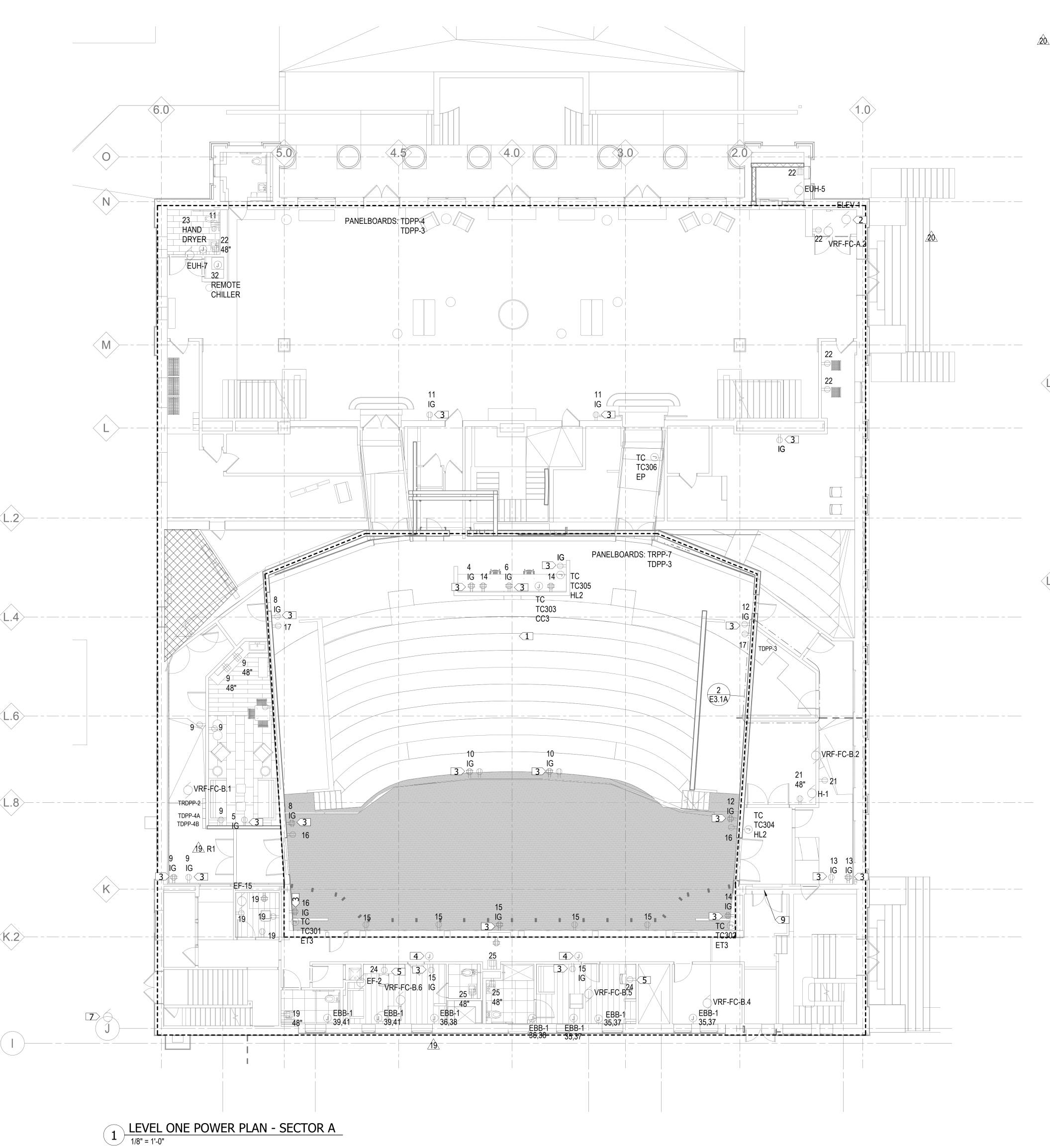
LEVEL ONE POWER
PLAN - SECTOR A

Project Number: 3995-001-00

Drawn By: B.GUTIERREZ Scale: As indicated







GENERAL NOTES:

A. REFER TO DIVISION 26 SPECIFICATIONS FOR ADDITIONAL INFORMATION BEFORE ORDERING.

B. ALL LED LUMINAIRES MUST COMPLY WITH LM-79 AND LM-80 TESTING STANDARDS. L70 LIFE SHALL HAVE A MINIMUM OF 50,000 HOURS.

C. ANY PROPOSED SUBSTITUTIONS MUST BE SUBMITTED WITH PHOTOMETRIC CALCULATIONS AND CATALOG SHEETS WITH DATA TO PROVE EQUAL CHARACTERISTICS. PROVIDE PHYSICAL SAMPLES OF PROPOSED SUBSTITUTIONS UPON

D. WHERE POSSIBLE TO COMPLY WITH THE SPECIFICATIONS, PROVIDE DLC CERTIFIED LUMINAIRES AS LISTED BY MANUFACTURER.

NOTES:

1. UL LISTED FOR WET LOCATION.

AND PIPING COMPONENTS.

- 2. COORDINATE MOUNTING AND LOCATION WITH EQUIPMENT IN ROOM AND CORRIDORS. FOR RELOCATED LUMINAIRES, MAINTAIN ADEQUATE AND UNIFORM EMERGENCY ILLUMINATION AS SHOWN. UTILIZE UNISTRUT TIGHT TO UNDERSIDE OF MECHANICAL COMPONENTS FOR LIGHTING LOCATED UNDERNEATH DUCT, SPRINKLER,
- 3. PROVIDE END TO END MOUNTING ALONG FULL LENGTH OF DRESSING ROOM MIRROR. FIELD VERIFY LENGTH PRIOR TO ORDERING.
- 4. COORDINATE CHEVRONS WITH PLANS PRIOR TO ORDERING
- 5. INCLUDE POWER SUPPLIES, MOUNTING HARDWARE, FEEDS, FITTINGS, AND NECESSARY COMPONENTS TO PROVIDE A COMPLETE INSTALLATION. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR WIRE SIZES AND
- DISTANCE LIMITATIONS. 6. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR WIRE SIZES AND DISTANCE LIMITATIONS. DO NOT EXCEED 150' DISTANCE BETWEEN REMOTE DRIVER AND FIXTURE. LOCATE DRIVER IN NEAREST ACCESSIBLE LOCATION UNLESS NOTED OTHERWISE.
- 7. PROVIDE SOLITE PATTERN LENS. 8. CONTRACTOR TO CONFIRM LENGTHS PRIOR TO ORDERING. SUBMIT FACTORY SHOP DRAWINGS FOR APPROVAL
- 9. FIELD CUTTING MUST COMPLY WITH QTRAN INSTALLATION WARRANTY METHODS. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR WIRE SIZES AND DISTANCE LIMITATIONS. DO NOT EXCEED 50' DISTANCE BETWEEN REMOTE DRIVER AND FIXTURE. LOCATE DRIVER IN NEAREST ACCESSIBLE LOCATION UNLESS NOTED OTHERWISE.
- 10. PROVIDE 5FT POWER CONNECTION TO BARE-END POWER INPUT LEAD, BLACK SAFETY CABLE, 86mm GLASS 'B' SIZE PATTERN HOLDER, AND C-CLAMP FOR MOUNTING. ALLOW FOR \$100.00 FOR GLASS TEMPLATE. TEMPLATE DESIGN TBD.
- 11. REFER TO DETAIL 2/E6.1 FOR POLE BASE DETAIL INFORMATION.
- 12. REFER TO DETAIL 1/E6.1 FOR BOLLARD BASE DETAIL INFORMATION.
- 13. PROVIDE 25' BLACK ELECTRICAL CABLE. INTEGRAL DMX DIMMING DRIVER WITH RJ45 RECEPTACLE. 14. FIXTURE MANUFACTURER TO PROVIDE REMOTE DMX COMPATIBLE DIMMING DRIVER WITH STANDARD
- EMERGENCY BATTERY HOUSING. 15. CONTRACTOR TO CONFIRM ANGLE OF MITERED CORNERS PRIOR TO ORDERING. PROVIDE SHOP DRAWINGS AS PART OF SUBMITTAL.
- 16. FINISH TO BE SELECTED BY ARCHITECT.
- 17. MOUNT LUMINAIRE TO ALIGN WITH CATWALK VERTICAL MEMBER AND C-CHANNEL. BOTTOM OF LUMINAIRE TO BE FLUSH WITH BOTTOM OF CATWALK TO ELIMINATE SHADOWING OR OBSTRUCTION OF BEAM ANGLE.

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Landscape Architect Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226

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New York, NY 10018

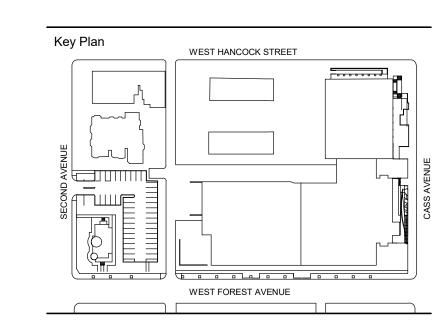
313.964.0270 Auerbach Pollock Friedlander

212.764.5630 Auerbach Glasow 1045 Sansome Street, Suite 300 San Fransisco, CA 94111

415.392.7528 Acoustics / AV Jaffe Holden 114-A Washington Street

Norwalk, CT 06864 203.838.4168

4743 Cass Ave., Detroit, MI 48202



BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024 BULLETIN 19 SEPT 29, 2023 BULLETIN 18-EGRESS LTG FEB. 01, 2023

JUNE 29, 2020

WSU - GATEWAY THEATER COMPLEX

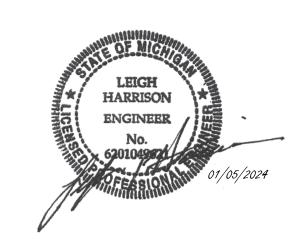
WSU PROJECT NO. 189-178578

LUMINAIRE SCHEDULES

PERMIT SET

Project Number: 3995-001-00

Drawn By: B.GUTIERREZ



E5.0A

0 VA

0 VA

0 VA

0 VA

0 VA

2906 VA

65280 VA

7000 VA

0.00%

0.00%

0.00%

0.00%

85.00%

0.00%

100.00%

100.00%

05 - Equipment Greater than 3 Hr

07 - Heating Greater than 3 Hr

09 - Cooling Greater than 3 Hr

I - Kitchen 65% (6 or more Items)

06 - Heating

08 - Cooling

0 - NS Intmtt Motor

	Location: Supply From: D Mounting: S Enclosure Type:		Ē		Di	stributio	n System: Phase: Wire:	3)V					A.I.C Rating: Mains Type: Mains Rating: MCB Rating:	MLO 400 A	
Note	Descriptions	Amps	Pole	СКТ	·	4	E	3	(СКТ	Pole	Amps	Descriptions		Not
				1	7965 VA	0 VA					2	1	20 A	SPARE		
	TRPP-7	200 A	3	3			4608 VA	0 VA			4	1	20 A	SPARE		
				5					6024 VA	0 VA	6	1	20 A	SPARE		
				7	9600 VA	0 VA					8	1	20 A	SPARE		
	CO-TL-7	100 A	3	9			9600 VA	0 VA			10	1	20 A	SPARE		
				11					9600 VA	0 VA	12	1	20 A	SPARE		
	SPARE	20 A	1	13	0 VA	0 VA					14	1	20 A	SPARE		
	SPARE	20 A	1	15			0 VA	0 VA			16	1	20 A	SPARE		
	SPARE	20 A	1	17					0 VA	0 VA	18	1	20 A	SPARE		
\Box	SPARE	20 A	1	19	0 VA	0 VA					20	1	20 A	SPARE		
	SPARE	20 A	1	21			0 VA	0 VA			22	1	20 A	SPARE		
	SPARE	20 A	1	23					0 VA	0 VA	24	1	20 A	SPARE		
	SPARE	20 A	1	25	0 VA	0 VA					26	1	20 A	SPARE		
٦	SPARE	20 A	1	27			0 VA	0 VA			28	1	20 A	SPARE		
	SPARE	20 A	1	29					0 VA	0 VA	30	1	20 A	SPARE		
	SPARE	20 A	1	31	0 VA	0 VA					32	1	20 A	SPARE		
コ	SPARE	20 A	1	33			0 VA	0 VA			34	1	20 A	SPARE		
コ	SPARE	20 A	1	35					0 VA	0 VA	36	1	20 A	SPARE		
\neg	SPARE	20 A	1	37	0 VA	0 VA					38	1	20 A	SPARE		
ヿ	SPARE	20 A	1	39			0 VA	0 VA			40	1	20 A	SPARE		
\neg	SPARE	20 A	1	41					0 VA	0 VA	42	1	20 A	SPARE		
					Pha	se A	Phas	se B	Pha	se C						
					1756	5 VA	1420	8 VA	1562	4 VA						
	Classification				-44 4		amand Fa	-4	Fatimests	d Dames				Damel	Tatala	
oad - L	Classification			onne	cted Load 325 V		emand Fa	25.00%	Estimate	406				Panei	Totals	
	tept Non-Dwlg				37392 \			63.37%		23696			Tota	al Conn. Load:	47397 VA	
	quipment					VA		0.00%			VA			Est. Demand:		
	quipment Greater than 3 Hr					VA		0.00%			VA			Conn. Current:		
	leating					VA		0.00%		0	VA	Total I	Est. Dei	mand Current:	96 A	
7 - H	leating Greater than 3 Hr				0 '	VA		0.00%		0	VA					
8 - C	Cooling				0 '	VA		0.00%		0	VA					
9 - C	Cooling Greater than 3 Hr				0 '	VA		0.00%		0	VA					
0 - N	IS Intmtt Motor				0 '	VA		0.00%		0	VA					
1 - K	(itchen 65% (6 or more Items)				0 '	VA		0.00%		0	VA					
)				0.1	VA		0.00%		0	VA					

	Location : Supply From : DF Mounting : SU		Ē		Dis	stributio	n System: Phase: Wire:	3	V					A.I.C Rating: Mains Type: Mains Rating:	MCB 100 A	
Note	Enclosure Type: Descriptions	Amno	Pole	СКТ				 3			СКТ	Polo	Amno	MCB Rating:	100 A	Not
Note	01 - Ltg	Amps	Pole		539 VA	0 VA		>		•		Pole		Descriptions SPACE		NO
	OT - Ltg	20 A	I	1	539 VA	UVA		0 VA			2			SPACE		
	LIGHTING - BOH CORRIDOR	20 A	1	3 5				UVA	427 VA	0 VA	6			SPACE		
	COVE LIGHTING - LOBBY	20 A	1	7	1769 VA	0 VA			427 VA	UVA	8			SPACE		
	LIGHTING - LOBBY	20 A	1	9	1709 VA	UVA	527 VA	0 VA			10			SPACE		
	LIGHTING - LEVEL TWO RESTROOMS	20 A	1	11			321 VA	UVA	293 VA	0 VA	12			SPACE		
	SPACE	20 A		13	0 VA	0 VA			293 VA	UVA	14			SPACE		
	SPACE			15	UVA	UVA	0 VA	0 VA			16			SPACE		
	SPACE						UVA	UVA	0 VA	0 VA	18			SPACE		
				17	0.1/4	0.1/4			UVA	UVA						
	SPACE			19	0 VA	0 VA	0.1/4	0.1/4			20			SPACE		
	SPACE			21			0 VA	0 VA	0.1/4	0.1/4	22			SPACE		
	SPACE			23	0.144	0.144			0 VA	0 VA	24			SPACE		
	SPACE			25	0 VA	0 VA	2.11				26			SPACE		
	SPACE			27			0 VA	0 VA			28			SPACE		
	SPACE			29					0 VA	0 VA	30			SPACE		
	SPACE			31	0 VA	0 VA					32			SPACE		
	SPACE			33			0 VA	0 VA			34			SPACE		
	SPACE			35					0 VA	0 VA	36			SPACE		
	SPACE			37	0 VA	0 VA					38			SPACE		
	SPACE			39			0 VA	0 VA			40			SPACE		
				41						0 VA	42			SPACE		
					Phas			se B	Phas							
					2308	3 VA	527	' VA	720	VA						
Load	l Classification		С	onnec	ted Load	D	emand Fa	ctor	Estimate	d Demar	nd			Panel	Totals	
01 -					3485 \			25.00%		4356						
	Rcpt Non-Dwlg				0 \	/A		0.00%		0	VA		Tota	l Conn. Load:	3555 VA	
04 -	Equipment				0 \	/A		0.00%		0	VA		Total	Est. Demand:	4444 VA	
05 -	Equipment Greater than 3 Hr				0 \	/A		0.00%		0	VA		Total C	onn. Current:	10 A	
	Heating				٥ /	/A		0.00%		0	VA	Total I	Est. Der	nand Current:	12 A	
07 -	Heating Greater than 3 Hr				٥ /	/A		0.00%		0	VA					
	Cooling				0 \			0.00%			VA					
09 -	Cooling Greater than 3 Hr				0 \	/A		0.00%		0	VA					
10 -	NS Intmtt Motor				0 \	/A		0.00%		0	VA					
11 -	Kitchen 65% (6 or more Items)				0 \	/A		0.00%		0	VA					
Spar	e				0 \	/A		0.00%	<u> </u>	0	VA					

	Enclosure Ty	om: DPP-3 ng: SURFACE	<u> </u>		Di	stributior	n System: Phase: Wire:	3	V					A.I.C Rating: 22KAIC Mains Type: MCB Mains Rating: 200 A MCB Rating: 200 A	
	Descriptions	Amps	Pole	СКТ	_	4		В	(<u> </u>	CKT	Pole	Amps	Descriptions	
	H-2 SP-2	20 A 20 A	3	3 5		3333 VA	420 VA	3333 VA		3333 VA	2 4 6	3	20 A	ELEV-1	
_	03 - Rcpt Non-Dwlg BIDET	20 A 20 A	1	7 9 11	420 VA	1333 VA		1333 VA		1333 VA	8 10 12	3	20 A	EUH-4	
	VRF-FC-B.1 - B.9	20 A	2	13 15	839 VA	1500 VA	839 VA	970 VA			14 16	1	20 A		
	LIGHTING - LOBBY	20 A	1	17	4000 \/A	400.)/4			433 VA	970 VA	18	2		VRF-FC-A.1 - A.3	
	OFFICE RECEPTACLE CONVENIENCE REC.	20 A 20 A	1	19 21	1080 VA	180 VA	900 VA	900 VA			20 22	1		KITCHENETTE REC. CONVENIENCE REC.	
	HAND DRYER CONVENIENCE REC.	20 A 20 A	1	23 25	540 VA	0 VA			0 VA	360 VA	24 26	1		DRESSING ROOM REC. HAND DRYER	
	HAND DRYER	20 A	1	27	0.0.7		0 VA	0 VA			28	1	20 A	HAND DRYER	
	HAND DRYER KITCHENETTE REC.	20 A 20 A	1	29 31	180 VA	180 VA			0 VA	900 VA	30 32	1		CONVENIENCE REC. WATER CHILLER	
_	OFFICE REC.	20 A	1	33			1260 VA	0 VA			34	1		SIGN	
	EBB-1	20 A	2	35 37	1500 VA	1000 VA			1500 VA	1000 VA	36 38	2		EBB-1	
	EBB-1	20 A	2	39 41			1000 VA	900 VA	1000 VA	216 VA	40 42	1		OFFICE RECEPTACLES EUH-7	
						se A 0 VA		se B 52 VA		se C 2 VA					<u></u>
	Classification		С	onnec	ted Load		emand Fa		Estimate	ed Deman				Panel Totals	
	Rcpt Non-Dwlg				285 ° 8460 °	VA	1	25.00%		356 8460	VA			Il Conn. Load: 48344 VA	
	Equipment Equipment Greater than 3 Hr				180	VA VA	1	0.00%		180 0	VA VA			Est. Demand: 50517 VA Conn. Current: 134 A	
	leating leating Greater than 3 Hr				7000	VA VA	1	00.00%		7000 0	VA VA	Total E	Est. Der	mand Current: 140 A	
• •											VA				
	Cooling Cooling Greater than 3 Hr					VA VA		0.00%			VA				

0 VA

Circuit Load

1 48344 VA

2 47397 VA

3 82692 VA

4 1176 VA

5 3555 VA

7 8179 VA 8 7500 VA

6 3686 VA

9 0 VA

10 0 VA

- Kitchen 65% (6 or more Items)

Panelboard Notes:

04 - Equipment

06 - Heating

08 - Cooling

05 - Equipment Greater than 3 Hr

07 - Heating Greater than 3 Hr

09 - Cooling Greater than 3 Hr

- Kitchen 65% (6 or more Items)

10 - NS Intmtt Motor

Panelboard Notes:

Panel Totals

0 VA Total Est. Demand Current: 497 A

7000 VA

0 VA

0 VA

0 VA

0 VA

2470 VA

65280 VA

ſ	F	Panel: TRPP-7														
Ì		Location:				Di	stribution	n System	: 208/120	V					A.I.C Rating: 10KAIC	
		Supply From: TF	RDPP-2					Phase	: 3						Mains Type: MCB	
		Mounting: St	URFACE	Ē				Wire	: 4						Mains Rating: 200 A	
ļ	$\overline{}$	Enclosure Type:													MCB Rating: 200 A	
	Note	Descriptions '	Amps	Pole	CKT		A \		В		С	СКТ	Pole	Amps	Descriptions	No
		CONTROL BOOTH RECEPTACLES	20 A	1	1	1080 VA	792 VA					2				
			\backslash \wedge		3	\		792 VA	792 VA			4	3	15 A	BH-1	
		BH-2	15 A	3	5					792 VA	792 VA	6				
					7	792 VA	792 VA					8				
					9			792 VA	792 VA			10	3	15 A	BH-3	
		BH-4	15 A	3	11					792 VA	792 VA	12				
Į					13	792 VA	720 VA					14	1	20 A	CONVENIENCE REC.	
		CONVENIENCE REC	20 A	1	15			720 VA	720 <i>VA</i>			16	1_	20 A	STAGE REC.	
		THÉATER REC. ^Y	⁷ 20 A	1 ^Y	17	Υ	Υ		Y	360 VA	2496 VA	18	γ 2	20 A	PROJECTOR	Y
		LTG - LIGHTING/VIDEO & REC CTL RM	20 A	1	19	501 VA	2496 VA					20		20 A	TROJECTOR	
		SPARE	20 A	1	21			0 VA	0 VA			22	1	20 A	SPARE	
J		SPARE \	√20 A	~1/	23	\wedge				OVA	0.VA	24^	1	20 A	SPARE	<u> </u>
		SPARE	20 A	1	25	0 VA	0 VA				1	26	1	20 A	SPARE	
Į		SPARE	20 A	1	27			0 VA	0 VA			28	1	20 A	SPARE	
Į		SPARE	20 A	1	29					0 VA	0 VA	30	1		SPARE	
Į		SPARE	20 A	1	31	0 VA	0 VA					32	1	20 A	SPARE	
ļ		SPARE	20 A	1	33			0 VA	0 VA			34	1	20 A	SPARE	
Į		SPARE	20 A	1	35					0 VA	0 VA	36	1	20 A	SPARE	
ļ		SPARE	20 A	1	37	0 VA	0 VA					38	1	20 A	SPARE	
ļ		SPARE	20 A	1	39			0 VA	0 VA			40	1	20 A	SPARE	
ļ		SPARE	20 A	1	41					0 VA	0 VA	42	1	20 A	SPARE	
ļ							se A		ise B		ise C					
ŀ						796	5 VA	460	8 VA	602	4 VA					
\mid	Load	Classification		С	onnec	ted Load	De	emand Fa	ctor	Estimat	ed Deman	d			Panel Totals	
	01 - L					325			125.00%		406				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
İ	03 - F	Rcpt Non-Dwlg				8592	VA	,	100.00%		8592	VA		Tota	l Conn. Load: 18597 VA	
1																

0.00% 0.00%

0.00%

0.00%

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0.00%

0.00%

0.00%

0.00%

0 VA

0 VA

Total Est. Demand: 19316 VA

Total Conn. Current: 52 A

0 VA Total Est. Demand Current: 54 A

0 VA

0 VA

0 VA

0 VA

SPARE

SPARE

SPARE

	Supply From:	SURFACE		em: 208/120V se: 3 ire: 4		A.I.C Rat Mains T Mains Rat MCB Rat	ype: N ting: 6	/ILO 600 A		
Note C	Descriptions					Trip Rating	F	Poles	Circuit	Load
Т	TPP-1					225 A		3	1	6840 VA
	ΓPP-2					150 A		3	2	3420 VA
	CO-AV-1					200 A		3	3	57600 V
	ΓPP-4					150 A		3	4	39660 V
_	ΓPP-5					150 A		3	5	46140 V
S	SPARE					100 A		3	6	0 VA
									7	
									8	
									9	
									10	
									11	
									12	
									13	
									14	
						Total Cor	n Loo	d Phase A:	15	\
						TOTAL COL		U FHASE A	1:) 1:5UU V F	
						Total Cor	n. Loa	d Phase B:	53700 VA	4
						Total Cor	n. Loa		53700 VA	4
Load Cla	assification	Connected Load	Demand Factor	Estimated D	emand	Total Cor Total Cor	ın. Loa ın. Loa	d Phase B:	53700 VA	4
	assification	Connected Load	Demand Factor	Estimated D	emand 0 VA	Total Cor Total Cor	ın. Loa ın. Loa	d Phase B: d Phase C:	53700 VA	4
01 - Ltg	assification Less than 3 Hr			Estimated D		Total Cor Total Cor	nn. Loa nn. Loa Panel	d Phase B: d Phase C: Totals	53700 VA	4
01 - Ltg 02 - Ltg I 03 - Rcpt	Less than 3 Hr t Non-Dwlg	0 VA	0.00%	Estimated D	0 VA	Total Cor Total Cor	nn. Loann. Loann	d Phase B: d Phase C: Totals	53700 VA	4
01 - Ltg 02 - Ltg I 03 - Rcpt 04 - Equi	Less than 3 Hr t Non-Dwlg ipment	0 VA 0 VA	0.00% 0.00% 75.96% 100.00%	Estimated D	0 VA 0 VA	Total Cor Total Cor Total Conn. I Total Est. Den Total Conn. Cu	Panel Load: hand: rrent:	d Phase B: d Phase C: Totals 153660 VA 149030 VA 427 A	53700 VA	4
01 - Ltg 02 - Ltg I 03 - Rcpt 04 - Equi 05 - Equi	Less than 3 Hr t Non-Dwlg ipment ipment Greater than 3 Hr	0 VA 0 VA 19260 VA	0.00% 0.00% 75.96%	Estimated D	0 VA 0 VA 14630 VA	Total Cor Total Cor Total Conn. I Total Est. Den	Panel Load: hand: rrent:	d Phase B: d Phase C: Totals 153660 VA 149030 VA 427 A	53700 VA	4
01 - Ltg 02 - Ltg I 03 - Rcpt 04 - Equi	Less than 3 Hr t Non-Dwlg ipment ipment Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA	0.00% 0.00% 75.96% 100.00%	Estimated D	0 VA 0 VA 14630 VA 76800 VA	Total Cor Total Cor Total Conn. I Total Est. Den Total Conn. Cu	Panel Load: hand: rrent:	d Phase B: d Phase C: Totals 153660 VA 149030 VA 427 A	53700 VA	4
01 - Ltg 02 - Ltg I 03 - Rcpt 04 - Equi 05 - Equi 06 - Hea 07 - Hea	Less than 3 Hr t Non-Dwlg ipment ipment Greater than 3 Hr iting ting Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA 0 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00% 0.00%	Estimated D	0 VA 0 VA 14630 VA 76800 VA 0 VA 0 VA	Total Cor Total Cor Total Conn. I Total Est. Den Total Conn. Cu	Panel Load: hand: rrent:	d Phase B: d Phase C: Totals 153660 VA 149030 VA 427 A	53700 VA	4
)1 - Ltg)2 - Ltg I)3 - Rcpt)4 - Equi)5 - Equi)6 - Hea)7 - Hea	Less than 3 Hr t Non-Dwlg ipment ipment Greater than 3 Hr iting ting Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00%	Estimated D	0 VA 0 VA 14630 VA 76800 VA 0 VA	Total Cor Total Cor Total Conn. I Total Est. Den Total Conn. Cu	Panel Load: hand: rrent:	d Phase B: d Phase C: Totals 153660 VA 149030 VA 427 A	53700 VA	4
01 - Ltg 02 - Ltg I 03 - Rcpt 04 - Equi 05 - Equi 06 - Hea 07 - Hea	Less than 3 Hr t Non-Dwlg ipment ipment Greater than 3 Hr iting ting Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA 0 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00% 0.00%	Estimated D	0 VA 0 VA 14630 VA 76800 VA 0 VA 0 VA	Total Cor Total Cor Total Conn. I Total Est. Den Total Conn. Cu	Panel Load: hand: rrent:	d Phase B: d Phase C: Totals 153660 VA 149030 VA 427 A	53700 VA	4
01 - Ltg 02 - Ltg I 03 - Rcpt 04 - Equi 05 - Equi 06 - Hea 07 - Hea 08 - Coo	Less than 3 Hr t Non-Dwlg ipment ipment Greater than 3 Hr iting iting Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA 0 VA 0 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00% 0.00% 0.00%	Estimated D	0 VA 0 VA 14630 VA 76800 VA 0 VA 0 VA 0 VA	Total Cor Total Cor Total Conn. I Total Est. Den Total Conn. Cu	Panel Load: hand: rrent:	d Phase B: d Phase C: Totals 153660 VA 149030 VA 427 A	53700 VA	4
01 - Ltg 02 - Ltg I 03 - Rcpt 04 - Equi 05 - Equi 06 - Hea 07 - Hea 08 - Coo 09 - Coo	Less than 3 Hr t Non-Dwlg ipment ipment Greater than 3 Hr iting ting Greater than 3 Hr sling Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA 0 VA 0 VA 0 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00% 0.00% 0.00% 0.00%	Estimated D	0 VA 0 VA 14630 VA 76800 VA 0 VA 0 VA 0 VA 0 VA	Total Cor Total Cor Total Conn. I Total Est. Den Total Conn. Cu	Panel Load: hand: rrent:	d Phase B: d Phase C: Totals 153660 VA 149030 VA 427 A	53700 VA	4
01 - Ltg 02 - Ltg I 03 - Rcpt 04 - Equi 05 - Equi 06 - Hea 07 - Hea 08 - Coo 09 - Coo	Less than 3 Hr t Non-Dwlg ipment ipment Greater than 3 Hr iting iting Greater than 3 Hr oling Greater than 3 Hr	0 VA 0 VA 19260 VA 76800 VA 0 VA 0 VA 0 VA 0 VA 0 VA	0.00% 0.00% 75.96% 100.00% 0.00% 0.00% 0.00% 0.00% 0.00%	Estimated D	0 VA 0 VA 14630 VA 76800 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Total Cor Total Cor Total Conn. I Total Est. Den Total Conn. Cu	Panel Load: hand: rrent:	d Phase B: d Phase C: Totals 153660 VA 149030 VA 427 A	53700 VA	4

		Location: Supply From: T- Mounting: St Enclosure Type:				Di	stributio	n System: Phase: Wire:	3	V					A.I.C Rating: 10KAIC Mains Type: MLO Mains Rating: 225 A MCB Rating: MLO	
Note	Note	Descriptions	Amps	Pole	CKT	/	A	ı	В	(3	CKT	Pole	Amps	Descriptions	Note
		AV BOX REC.	20 A	1	1	180 VA	180 VA					2	1	20 A	03 - Rcpt Non-Dwlg	
		AV BOX REC.	20 A	1	3			180 VA	360 VA			4	1	20 A	AV BOX REC.	
		AV BACK BOX REC.	20 A	1	5					180 VA	360 VA	6	1	20 A	AV BOX REC.	
		AV BOX REC.	20 A	1	7	180 VA	540 VA					8	1	20 A	AV BOX REC.	
		AV BOX REC.	20 A	1	9			540 VA	720 VA			10	1	20 A	AV BOX REC.	
		AV BOX REC.	20 A	1	11					360 VA	540 VA	12	1	20 A	AV BOX REC.	
		AV BOX REC.	20 A	1	13	540 VA	360 VA					14	1	20 A	AV BOX REC.	
\vdash		AV BOX REC.	20 A	1	15			720 VA	360 VA			16	1	20 A	AV BOX REC.	
		SPARE	20 A	1	17					0 VA	0 VA	18	1	20 A	SPARE	
		AV RACK	20 A	1	19	1920 VA	1920 VA					20	1	20 A	AV RACK	
+		AV RACK	20 A	1	21			1920 VA	1920 VA			22	1	20 A	AV RACK	
\vdash		AV RACK	20 A	1	23					1920 VA	1920 VA	24	1		AV RACK	
\vdash		AV RACK	20 A	1	25	1920 VA	1920 VA			.020 171	.020	26	1		AV RACK	
		AV RACK	20 A	1	27	1020 171	1020 171	1920 VA	1920 VA			28	<u>·</u> 1		AV RACK	
		AV RACK	20 A	1	29			1020 771	1020 171	1920 VA	1920 VA	30	<u>·</u> 1		AV RACK	_
		AV RACK	20 A	1	31	1020 \/A	1920 VA			1320 VA	1320 VA	32	<u>'</u> 1		AV RACK	
\vdash		AV RACK	20 A	1	33	1320 VA	1320 VA	1020 \/A	1920 VA			34	<u>'</u> 1		AV RACK	
		AV RACK	30 A	1	35			1920 VA	1920 VA	2000 \/A	2880 VA	36	<u>'</u> 1		AV RACK	+
		AV RACK	30 A	1		2000 \/A	2880 VA			2000 VA	2000 VA	38			AV RACK	-
				1	37	2000 VA	2000 VA	2000 \/A	0000 \/A				1			
		AV RACK	30 A	1	39			2880 VA	2880 VA	0000 \ / 4	0000 \ / 4	40	1		AV RACK	_
		AV RACK	30 A	1	41	00001/4	2000144			2880 VA	2880 VA	42	1		AV RACK	_
1/1	<u>}</u>	AV RACK	30 A	1	43	2880 VA	2880 VA					44	1		AV RACK	
	<u> </u>	AV RACK	30 A	1	45			2880 VA	2880 VA			46	1		AV RACK	
		SPACE			47					0 VA	0 VA	48			SPACE	
		SPACE			49	0 VA	180 VA					50	1		AV BACK BOX REC.	
		AV BACK BOX REC.	20 A	1	51			360 VA	180 VA			52	1	20 A	AV BACK BOX REC.	
		AV BACK BOX REC.	20 A	1	53					180 VA	360 VA	54_	1	20 A	AV BACK BOX REC	
		AV BACK BOX REC.	√20 A	1 \	55	180 _/ VA	360 VA				V	56	V	√20 A	AV BACK BOX RÉC.	
-A		AV RACK	30 A	2	57			2496 VA	360 VA			58	1	20 A	LIGHTING CONTROL ROOM REC.	
$\neg \forall$		AVIACK	30 A		59					2496 VA	360 VA	60	1	20 A	LIGHTING CONTROL ROOM REC.	
		LIGHTING CONTROL ROOM REC.	20 A	1	61	360 VA	1080 VA					62	1	20 A	RECORDING CONTROL REC.	
		RECORDING CONTROL REC.	20 A	1	63			360 VA	360 VA			64	1	20 A	RECORDING CONTROL REC.	
\forall		RECORDING CONTROL REC.	20 A	1	65					360 VA	720 VA	66	1	20 A	RECORDING CONTROL REC.	
		RECORDING CONTROL REC.	20 A	1	67	360 VA	0 VA					68	1	20 A	SPARE	
-		SPARE /	20 A	~1 [\]	69			0 VA	O VA		1	70 🖍	1		SPARE	
		SPARE	20 A	1	71					0 VA	0 VA	72	1		SPARE	
		SPARE	20 A	1	73	0 VA	0 VA					74	1		SPARE	
İ		SPARE	20 A	1	75	3 .,,		0 VA	0 VA			76	1		SPARE	
		SPARE	20 A	1	77			3 47	3 47	0 VA	0 VA	78	1		SPARE	-
		017111	20 /	<u>'</u>			6.1.1			0 VA	JVA	10		207		+-

	27540 VA	30036 VA	25116 VA		
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
01 - Ltg	0 VA	0.00%	0 VA	<u> </u>	
03 - Rcpt Non-Dwlg	17412 VA	78.72%	13706 VA	Total Conn. Load:	82692 VA
04 - Equipment	0 VA	0.00%	0 VA	Total Est. Demand:	78986 VA
05 - Equipment Greater than 3 Hr	0 VA	0.00%	0 VA	Total Conn. Current:	230 A
06 - Heating	0 VA	0.00%	0 VA	Total Est. Demand Current:	219 A
07 - Heating Greater than 3 Hr	0 VA	0.00%	0 VA		
08 - Cooling	0 VA	0.00%	0 VA		
09 - Cooling Greater than 3 Hr	0 VA	0.00%	0 VA		
10 - NS Intmtt Motor	0 VA	0.00%	0 VA		
11 - Kitchen 65% (6 or more Items)	0 VA	0.00%	0 VA		
9pare	65280 VA	100.00%	65280 VA	<u> </u>	
Panelboard Notes:					

0 VA 0 VA

Phase B

20 A | 1 | 79 | 0 VA | 0 VA

Phase A

20 A 1 83

0 VA | 0 VA | 84 | 1 | 20 A | SPARE

Phase C

80 | 1 | 20 A | SPARE

82 1 20 A SPARE

Panel: TDPP-4B A.I.C Rating: 22KAIC **Distribution System:** 208/120V Supply From: TDPP-4A Mains Type: MCB **Mounting: SURFACE** Mains Rating: 200 A **Enclosure Type:** MCB Rating: 200 A Amps Pole CKT A B C CKT Pole Amps Descriptions 20 A 1 1 528 VA 793 VA 3 420 VA 793 VA 4 3 20 A DWBP-2
20 A 3 5 420 VA 793 VA 6 7 420 VA 8 8 9 2004 VA 0 VA 10 1 20 A SPARE SP-6 25 A 3 11 2004 VA 0 VA 12 1 20 A SPARE

13 2004 VA 0 VA 14 1 20 A SPARE

20 A 1 15 0 VA 0 VA 16 1 20 A SPARE ELEVATOR LIFT | 20 A | 1 | 15 | 0 VA | 0 VA | 16 | 1 | 20 A | SPARE | | 20 A | 1 | 17 | 0 VA | 0 VA | 0 VA | 18 | 1 | 20 A | SPARE | | 20 A | 1 | 19 | 0 VA | 0 VA | 20 | 1 | 20 A | SPARE | | -- | -- | 21 | 0 VA | 0 VA | 22 | -- | SPACE | | SPARE SPACE SPACE SPACE SPACE SPACE -- -- 31 0 VA 0 VA SPACE -- -- 33 0 VA 0 VA SPACE 34 -- SPACE -- -- 35 SPACE 0 VA 0 VA 36 -- -- SPACE -- - 37 0 VA 0 VA SPACE 38 -- - SPACE -- -- 39 -- -- 41 SPACE 40 -- SPACE 0 VA 0 VA SPACE 0 VA 0 VA 42 -- -- SPACE Phase A Phase B Phase C 3745 VA 3217 VA 3217 VA **Load Classification Panel Totals** Connected Load Demand Factor Estimated Demand

01 - Ltg	0 VA	0.00%	0 VA		
03 - Rcpt Non-Dwlg	0 VA	0.00%	0 VA	Total Conn. Load:	10178 VA
04 - Equipment	0 VA	0.00%	0 VA	Total Est. Demand:	11245 VA
05 - Equipment Greater than 3 Hr	0 VA	0.00%	0 VA	Total Conn. Current:	28 A
06 - Heating	0 VA	0.00%	0 VA	Total Est. Demand Current:	31 A
07 - Heating Greater than 3 Hr	0 VA	0.00%	0 VA		
08 - Cooling	0 VA	0.00%	0 VA		
09 - Cooling Greater than 3 Hr	0 VA	0.00%	0 VA		
10 - NS Intmtt Motor	2906 VA	85.00%	2470 VA		
11 - Kitchen 65% (6 or more Items)	0 VA	0.00%	0 VA		
Spare	0 VA	0.00%	0 VA		

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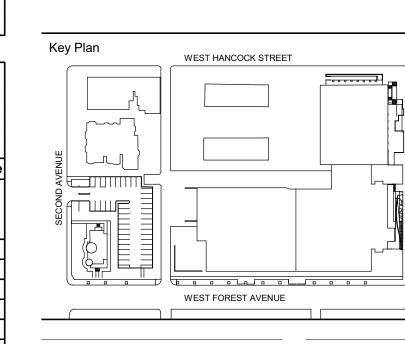
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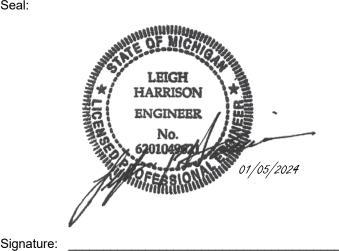
BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024 BULLETIN 21 FEB. 16, 2024 BULLETIN 19 R1 BP4 2023-10-25 OCT 25, 2023 BULLETIN 19 SEPT 29, 2023 BULLETIN 07-BP4 2021-04-16 APRIL 16, 2021 BULLETIN 05- BP4 2020-10-02 OCT. 2, 2020 JUNE 29, 2020

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578 ELECTRICAL PANEL

SCHEDULE

Project Number: 3995-001-00 Drawn By: B.GUTIERREZ



E5.6

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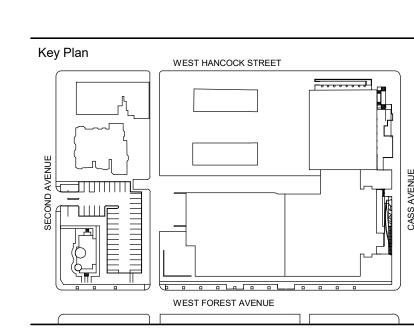
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03/05/24

BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024

WSU - GATEWAY THEATER COMPLEX WSU PROJECT NO. 189-178578 **CONTROL BOOTH**

Project Number: 3995-001-00

Drawn By: Designer

Scale: 1/8" = 1'-0"

HEIGHTS AND LOCATIONS OF SECURITY DEVICES WITH SECURITY DESIGNERS DOCUMENTS. REFER TO SHEET SERIES SN PRIOR TO ROUGH-IN.

F. JUNCTION BOXES WITH TAGS THAT START WITH AV- ARE AV

_____ ____ VRF-HRB-A.1

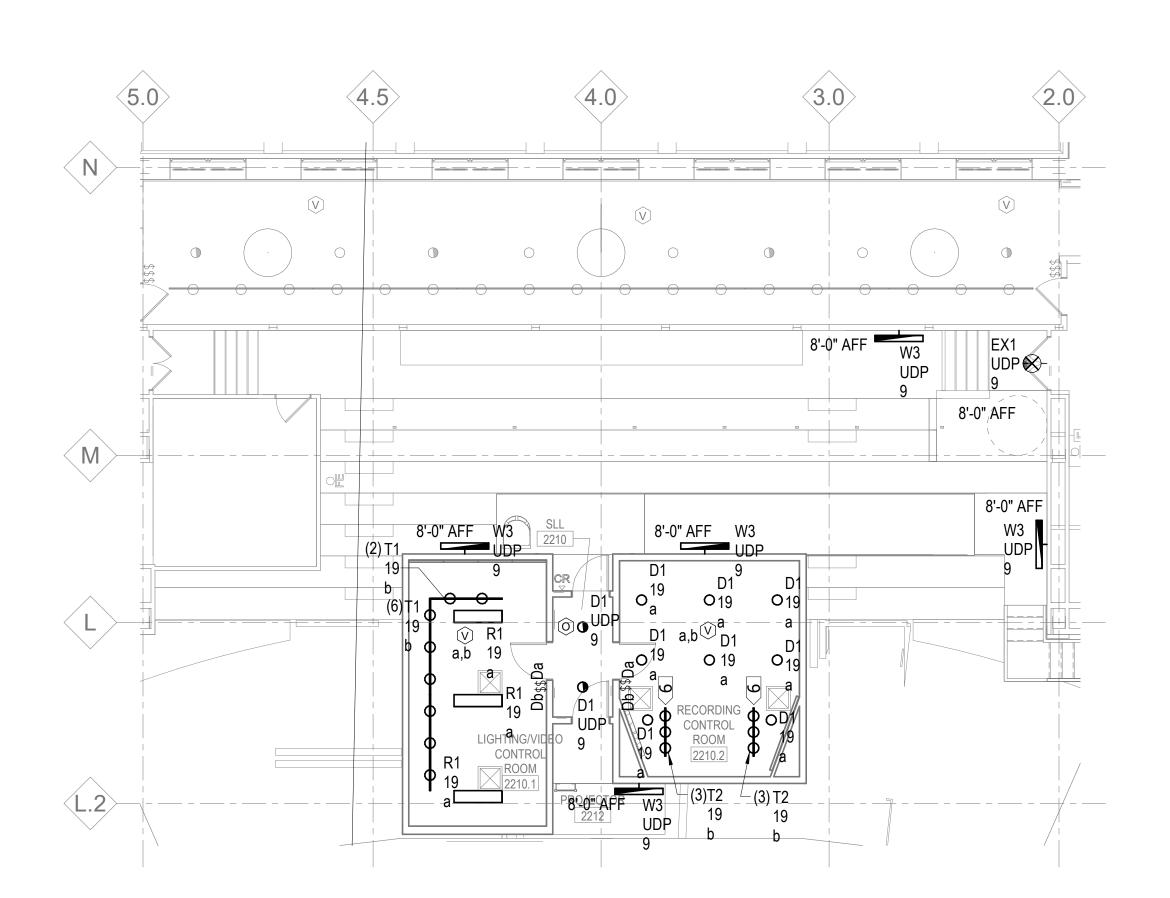
CONTROL BOOTH ELECTRICAL DEMOLITION PLAN 1/8" = 1'-0"

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CONTROL BOOTH POWER PLAN 1/8" = 1'-0"



(2.0) - -----RECORDING CONTROL CONTROL ROOM 15 2210.1

CONTROL BOOTH LIGHTING PLAN

CONTROL BOOTH SYSTEMS PLAN 1/8" = 1'-0"

									MECHANIC	AL EQUIPME	ENT SCHED	ULE CONTROL E	ВООТН								
TAG	LOCATION	EMERGENCY POWER HI	P K	KW	FLA	MCA	OCP	VOLTAGE	PHASE	LOAD	PANEL	CIRCUIT#	CONDUIT AND WIRE	DISCONNECT FURNISHED	DISCONNECT SIZE	VSD	STARTER SIZE	VSD OR S	TARTER RESPO	ONSIBILITY WIRED	START-STOP CONTROL DEVICE
VRF-FC																					
VRF-FC-A.5	UNUSED / STORAGE	No			2.3	2.875	15	208 V	1	598 VA	TDPP-4A	16,18	3/4"C, 2#12, 1#12G	DIV 26	MSS	-	W/EQUIP	W/EQUIP	W/EQUIP	W/EQUIP	

KEYNOTES:

- 1. RELOCATE SURFACE MOUNTED PANEL TRPP-7 TO BE RECESSED INTO THIS WALL. PROVIDE COVER AND MOUNTING EQUIPMENT AS REQUIRED TO PLACE PANEL.
- 2. EXISTING CONDUITS RUNNING THROUGH THIS AREA TO BE RE-ROUTED AROUND NEW CONTROL BOOTH.
- 3. PROVIDE RECEPTACLE FOR PROJECTOR UNDERNEATH CONTROL **BOOTH AREA**
- 4. EXISTING THEATRICAL CONTROL PANEL TO BE RE-USED AT THIS LOCATION. PROVIDE POWER CONTROL AS REQUIRED TO
- 5. INTERCEPT AND EXTEND EXISTING 24 INCH CABLE TRAY ABOVE NEW CONTROL BOOTHS. C. ELECTRICAL DEVICES AND EQUIPMENT SHOWN AS DASHED ARE
- 6. INSTALL PENDANT HUNG TRACK SO THAT BOTTOM OF TRACK IS AT 9'-0" AFF. COORDINATE LOCATION OF TRACK WITH PIPE GRID AND ACOUSTIC CLOUD IT IS NOT IN CONFLICT WITH EITHER.
- 7. RECONNECT RELOCATED MECHANICAL UNIT.

CONNECT THE CONTROL PANEL.

CIRCUITING NOTES:

- 1. ALL ISOLATED GROUND RECEPTACLES SHALL BE CIRCUITED TO PANEL TDPP-3 UNLESS NOTED OTHERWISE
- 2. ALL NON-ISOLATED GROUND RECEPTACLES AND POWER DEVICES SHALL BE CIRCUITED TO PANEL TRPP-7 UNLESS NOTED
- ALL LIGHTING SHALL BE CIRCUITED TO PANEL TRPP-7 UNLESS

GENERAL NOTES LIGHTING

GENERAL NOTES DEMOLITION

A. COORDINATE EGRESS LIGHTING AND EXIT REQUIREMENTS WITH ARCHITECTURAL LIFE SAFETY PLANS.

EXISTING EQUIPMENT, DEVICES, AND LIGHTS INDICATED ON PLAN

OBSERVATION, AND SHALL NOT BE CONSIDERED COMPLETELY ACCURATE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR

FIELD VERIFYING LOCATIONS OF EXISTING SYSTEMS PRIOR TO

CONTRACTOR SHALL FIELD VERIFY EXACT CONDITIONS PRIOR TO

CONTINUITY OF ADJACENT CIRCUITS TO DEVICES OR EQUIPMENT

ANY DEMOLITION. ELECTRICAL CONTRACTOR SHALL MAINTAIN

THAT ARE TO REMAIN DURING CONSTRUCTION. REROUTE

TO BE DEMOLISHED AND IT IS THE RESPONSIBILITY OF THE

ELECTRICAL CONTRACTOR TO DISPOSE OF UNLESS NOTED

OTHERWISE. ELECTRICAL DEVICES/EQUIPMENT SHOWN WITH

LIGHT SOLID LINE TYPE ARE EXISTING TO REMAIN. ANY ITEMS TO

BE TURNED OVER TO FACILITIES MANAGEMENT WILL BE NOTED.

CONDUIT AND WIRING AS NECESSARY.

DISCREPANCIES WHICH MAY AFFECT ANY WORK UNDER THIS

WERE TAKEN FROM EXISTING PLANS AND/OR FIELD

CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY

- B. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF LUMINAIRES IN MECHANICAL ROOMS WITH DUCTS, PIPES, SPRINKLERS AND EQUIPMENT. MOUNT LUMINAIRES BELOW DUCTS AND PIPES AND DO NOT MOUNT LUMINAIRES OVER EQUIPMENT. SUPPORT LUMINAIRES INDEPENDENTLY OF DUCTS, PIPES, AND EQUIPMENT. CONTRACTOR SHALL COORDINATE WORK OF ALL TRADES IN INVOLVED IN THE CEILING TO ENSURE NECESSARY CLEARANCES FOR FIXTURES, DUCTS, PIPING, CABLE TRAYS, AND CEILING SUSPENSION COMPONENTS. MAINTAIN A NEAT AND ORDERLY APPEARANCE.
- C. REFER TO EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR WALL MOUNTED FIXTURES.
- D. CONDUIT AND WIRING MAY NOT BE SHOWN GRAPHICALLY ON THE PLANS. PROVIDE COMPLETE CONDUIT AND WIRING BASED ON IDENTIFICATION OF CIRCUIT NUMBERS, RELAY NUMBERS, AND SWITCHING IDENTIFICATION.
- E. WHERE OCCUPANCY AND VACANCY SENSORS ARE SHOWN, PROVIDE APPROPRIATE TYPES AND QUANTITIES OF SENSORS TO ACCOMMODATE ROOM GEOMETRY. REFER TO SPEC SECTION 260923 FOR DETAILS. INSTALL OCCUPANCY AND VACANCY SENSORS AT LOCATIONS RECOMMENDED BY MANUFACTURER SEE OCCUPANCY AND VACANCY SENSOR SHOP DRAWINGS FOR

GENERAL NOTES POWER

- A. REFER TO EM8 SERIES SHEETS FOR ADDITIONAL MOTOR INFORMATION.
- B. COORDINATE LOCATION AND MOUNTING OF DEVICES WITH MILLWORK AND CASEWORK.
- C. COORDINATE DEVICE LOCATIONS AND ELEVATIONS AT ALL WORKSTATIONS WITH FINAL FURNITURE PLANS AND SHOP DRAWINGS PRIOR TO DEVICE ROUGH-IN.
- D. ELECTRICAL & SYSTEMS DEVICES & EQUIPMENT SHOWN AS SCREENED ARE EXISTING TO REMAIN. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING LOCATIONS OF EXISTING SYSTEMS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES WHICH MAY AFFECT ANY WORK UNDER THIS CONTRACT.
- E. REFER TO THE ARCHITECTURAL DETAILS AND ELEVATION DRAWINGS FOR COORDINATION OF ELECTRICAL DEVICES.
- F. DEVICES AND EQUIPMENT SHALL BE CIRCUITED FROM PANELS AS INDICATED BY THE CIRCUITING BOUNDARY SHOWN ON THE PLAN UNLESS NOTED OTHERWISE.
- G. CONDUIT AND WIRING MAY NOT BE SHOWN GRAPHICALLY ON THE PLANS. HOWEVER IT SHALL BE PROVIDED COMPLETE AS REQUIRED BASED ON IDENTIFICATION OF CIRCUIT NUMBERS RELAY NUMBERS, SWITCHING IDENTIFICATION, MOTOR EQUIPMENT SCHEDULE, PANEL BOUNDARIES, SPECIFIED MINIMUM CONDUIT SIZE, SPECIFIED MINIMUM CONDUCTOR SIZES, AND/OR SPECIFIED MINIMUM GROUNDING.
- H. REFER TO ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION FOR FEEDERS AND ELECTRICAL EQUIPMENT.
- I. PROVIDE POWER CONNECTIONS TO NEW OR RELOCATED MECHANICAL EQUIPMENT.
- FOR STANDARD BUILDING SYSTEMS. THEATRICAL AND AV SYSTEM REQUIREMENTS ARE INDICATED ON TL, TS, TR, AND AV SERIES SHEETS. REFER TO THOSE SHEETS FOR ADDITIONAL REQUIREMENTS INCLUDED UNDER THE ELECTRICAL SCOPE OF WORK. THEATRICAL POWER SHALL BE FED FROM THEATER DISTRIBUTION AND AV (TECHNICAL) POWER SHALL BE FED FROM ISOLATED GROUND POWER DISTRIBUTION.

J. PLANS INDICATE DESIGN INTENT OF ELECTRICAL REQUIREMENTS

GENERAL NOTES SYSTEMS

- A. COORDINATE WITH MECHANICAL DRAWINGS AND ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATIONS AND QUANTITIES OF FIRE SMOKE DAMPERS AND DAMPER OPERATORS. PROVIDE A DEDICATED 20A, 120V CIRCUIT FOR EVERY 8 120V DAMPERS.
- B. REFER TO ARCHITECTURAL ELEVATIONS FOR ADDITIONAL MOUNTING INFORMATION OF DEVICES.
- C. COORDINATE DEVICE LOCATIONS AND ELEVATIONS AT ALL WORKSTATIONS WITH FINAL FURNITURE PLANS AND SHOP DRAWINGS PRIOR TO DEVICE ROUGH-IN.
- D. COORDINATE CABLE TRAY ROUTING WITH ALL TRADES. MAINTAIN 6" SEPARATION FROM LIGHT FIXTURE BALLASTS.
- E. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL MOUNTING
- JUNCTION BOXES. SEE AV SERIES DRAWINGS FOR BOX REQUIREMENTS.

Signature:

AUDIO/VIDEO SYSTEM WIRING IS DIVIDED INTO GROUPS ACCORDING TO NOMINAL VOLTAGE

		WIRING TYPE			
	GROUP A	MICROPHONE AND OTHER SENSITIVE WIRING (0mV to 100 mV)			
	GROUP B	LINE LEVEL WIRING (100 mV to 10V)			
	GROUP C	LOUDSPEAKER AND CONTROL WIRING (10 V TO 70 V)			
	GROUP D	VIDEO, CONTROL AND DIGITAL CIRCUITS			
	GROUP E	DATA AND FIBER OPTIC CABLE			
	GROUP F	SPARE CONDUIT			

NOTE: THESE WIRING GROUPS MUST NEVER BE INTERMIXED WITHIN A GIVEN CONDUIT RUN OR JUNCTION BOX!

AUDIO/VIDEO CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING WIRING OF DIFFERENT **GROUPS IS:**

	GROUP A	GROUP B	GROUP C	GROUP D	GROUP E
	GROOT A	GIVOOL D	Olyool C	01(001 D	ONOO! L
GROUP A	ADJACENT	6"	12"	12"	12"
GROUP B		ADJACENT	12"	6"	6"
GROUP C			ADJACENT	6"	6"
GROUP D				ADJACENT	ADJACENT
GROUP E					ADJACENT
GROUP F	12"	12"	12"	12"	12"

NOTE: NINETY DEGREE CROSSINGS IN CLOSE PROXIMITY ARE ACCEPTABLE. SEPARATIONS MUST BE MAINTAINED UNTIL WITHIN SIX FEET OF BOX OR GUTTER ENTRY.

ELECTRICAL CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING AUDIO/VIDEO WIRING AND OTHER ELECTRICAL SERVICE CONDUIT IS:

	GROUP A	GROUP B	GROUP C	GROUP D	GROUP E	GROUP F
DIMMER CONTROLED LIGHTING	24"	12"	6"	12"	12"	24"
SCR CONTROLLED SERVICES	24"	12"	6"	12"	12"	24"
220/440VAC CIRCUITS	6"	6"	ADJACENT	ADJACENT	ADJACENT	24"
ALL OTHER SERVICES	6"	6"	ADJACENT	ADJACENT	ADJACENT	24"

NOTE: HEAVY CURRENT DEMANDS IN, OR LONG PARALLEL RUN WITH THE ABOVE SERVICES MAY DICTATE GREATER SEPARATIONS TO AVOID INTERFERENCE IN THE SYSTEMS. SEPARATIONS MUST BE MAINTAINED UNTIL WITHIN SIX FEET OF BOX OR GUTTER ENTRY.

EXCEPTIONS:

- 1. THE CONDUIT SEPARATIONS ABOVE ARE BASED ON THE USE OF EMT CONDUIT FOR ALL AV
- AND OTHER SIGNALS.
- 2. SEPARATIONS WHERE RIGID CONDUIT IS UTILIZED FOR AV SYSTEMS AND/OR OTHER
- ADJACENT SYSTEMS MAY BE HALVED. 3. SEPARATIONS WHERE PVC CONDUIT IS UTILIZED FOR AV SYSTEMS AND/OR OTHER
- ADJACENT SYSTEMS MUST BE DOUBLED.
- 4. THE CONTRACTOR MUST HAVE WRITTEN AUTHORIZATION FROM THE SYSTEMS DESIGNER FOR ANY CONDUIT INSTILLATION WHICH DOES NOT CONFORM TO THESE REQUIREMENTS.

1 CONDUIT INFORMATION

GENERAL NOTES:

- 1. SEE AUDIO/VIDEO SYSTEMS WRITTEN SPECIFICATION FOR WORK SCOPE DETAILS.
- 2. ALL CUSTOM PANELS SHALL BE NUMBERED ACCORDING TO AUDIO/VIDEO SYSTEM SIGNAL FLOW.
- 3. ALL AUDIO/VIDEO SYSTEM TECHNICAL AND COMMON POWER IS PROVIDED AS
- PART OF ELECTRICAL CONTRACT. 4. LINE VOLTAGE RECEPTACLES INDICATED AS PART OF CUSTOM AUDIO.VIDEO
- PANELS ARE PROVIDED AND INSTALLED BY THE AUDIO/VIDEO CONTRACTOR. 5. ALL LINE VOLATAGE RECEPTACLES AND WIRING TO BE PHYSICALLY SEPARATED FROM THE LOW VOLTAGE WIRING BY MEANS OF A METALLIC VOLTAGE BARRIER. IF BACK BOX SIZE INDICATED IN DETAIL DRAWINGS CANNOT
- ACCOMODATE THE REQUIRED VOLTAGE BARRIER RESIZE BACKBOX ACCORDINGLY. 6. CONFIRM FLUSH OR SURFACE MOUNT WITH ARCHITECT FOR ALL BACKBOX
- DEVICES PRIOR TO INSTALLATION. 7. CONFIRM ANY CUSTOM COLOR REQUIREMENTS WITH ARCHITECT PRIOR TO
- FABRICATION. 8. DRAWINGS ARE CONCEPT ONLY AND DETAILED ONLY TO THE EXTENT NECESSARY TO SHOW DESIGN INTENT AND SIGNAL FLOW. IT IS UNDERSTOOD
- AND AGREED BY THE CONTRACTOR THAT A COMPLETE AND WORKING SYSTEM SHALL BE SUPPLIED WHICH FULFILLS THE INTENT INDICATED IN THE DESIGN DOCUMENTS.

SIGNAL TYPE	DESCRIPTION	DESCRIPTOR	MANUFACTURER	WIRE NUMBER	OUTER DIAMETER
Α	MICROPHONE	MIC	Belden	9451	0.135
В	COMM SYSTEM	COMM	Belden	9460	0.23
В	TIE LINES	LINE	Belden	1696A	0.234
С	TWISTED JACKETED 14 AWG	70V4	West Penn	226	0.234
С	TWISTED JACKETED 16 AWG	70V6	West Penn	225	0.182
С	TWISTED JACKETED 16 AWG - REMOTE POWER	CAMPWR	West Penn	225	0.182
С	TWISTED JACKETED 16 AWG - INDUCTION LOOP	LOOP	West Penn	225	0.182
С	TWISTED JACKETED 8 AWG	LS08	West Penn	C208	0.498
С	TWISTED UNJACKETED 10 AWG	LS10	West Penn	NJ210BKWH	0.326
С	TWISTED UNJACKETED 12 AWG	LS12	West Penn	C207	0.26
С	TWISTED UNJACKETED 14 AWG	LS14	West Penn	C206	0.222
С	(4 COND) JACKETED 18 AWG	LSXP	Belden	1502R	0.25
С	(4 COND) JACKETED 16 AWG - VOLUME CONTROL	VOL	West Penn	245	0.217
D	RF-MICS AND RF-ALS	ANT	Belden	9258	0.242
D	VIDEO COAX	COAX	Belden	1794a	0.32
D	MIDI	MIDI	Belden	9941	0.23
D	CONTROL SYSTEM RELAY	RLY	Belden	9460	0.23
D	RMS	RMS	Belden	8205	0.18
D	CONTROL SYSTEM 232/485 AND IR	SER	Belden	9460	0.23
Е	MULTI MODE FIBER (6 ct.) OM4	MMF	Belden	FI4D006R9A	0.17
Е	SINGLE MODE FIBER (6 ct.) OS2	SMF	Belden	FISD006R9	0.17
Е	SMPTE HYBRID	SMPTE	Gepco	HDC920R	0.362
Е	SHIELDED CAT6A	STP	Belden	10GX52F	0.3
Е	UNSHIELDED CAT6A	UTP	Belden	2412	0.22
F	BEVWAY DUCT	BVWY	Kelly Bevway	8" SYSTEM	
F	FIRE STOPPED CABLE PASS TRIPLE	CBP3	Abesco	3X 31942 + 31986	
F	FIRE STOPPED CABLE PASS SINGLE	CPB1	Abesco	31942 + 31982	
F	EMPTY CONDUIT - 1"	ECO1			
F	EMPTY CONDUIT - 2"	ECO2			

WIRE TYPES

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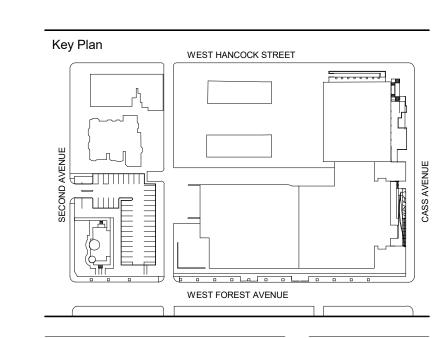
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DETROIT, MI



BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024 JUNE 29, 2020

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578 AV - GENERAL NOTES

Project Number: 3995-001-00 Drawn By: Designer

RE-ISSED FOR BULLETIN 22 FOR REFERENCE

Drawing No:

AV0.1

WAYNE STATE

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Key Plan

WEST HANCOCK STREET WEST FOREST AVENUE

BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024 PERMIT SET JUNE 29, 2020

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578 Drawing Title
AV - SYMBOLS

Project Number: 3995-001-00

Scale: NTS

4 AUDIO/VIDEO TERMINATION KEY NTS **RE-ISSED FOR BULLETIN** 22 FOR REFERENCE

TERMINATION SYMBOL KEY

DEVICE MOUNTING TYPE KEY A - MOUNT IN CEILING .

E - MOUNT AT 84" AFF.

H - FREE STANDING.

G - CLAMP TO STRUCTURE.

J - FLUSH MOUNT IN FLOOR.

STANDARD MOUNTING HEIGHTS.

POWER & IT NETWORK REQUIREMENTS KEY

POWER BY THE ELECTRICAL CONTRACTOR AND IT BY

THE STRUCTURED CABLING CONTRACTOR.

AV TECHNICAL POWER & IT INFRASTRUCTURE NOT

INCLUDED IN AV SYSTEM CONTRACT.

-SEE ELECTRIC & IT INFRASTRUCTURE DIVISIONS-

N = NON TECHNICAL POWER IT = IT NETWORK RECEPTACLE

P = AUDIO VIDEO TECHNICAL POWER

TERMINATION ID

- MOUNTING TYPE

UNIQUE IDENTIFIER

B - MOUNT AT PROJECT OUTLET HEIGHT.* C - MOUNT AT PROJECT SWITCH HEIGHT. * D - MOUNT AT PROJECT CONTROLS HEIGHT.*

(SEE SCHEDULE OF TERMINATIONS)

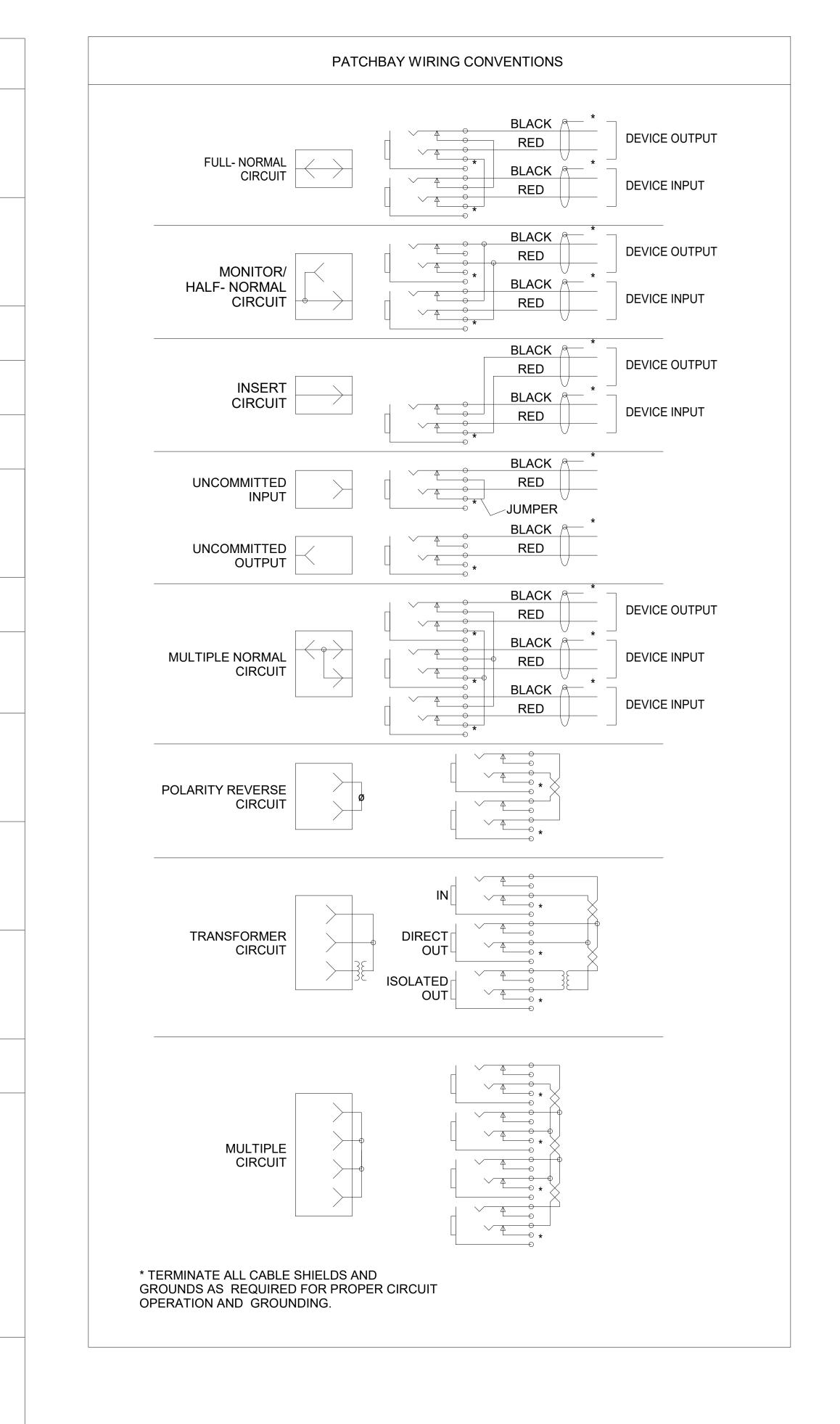
(SEE DEVICE MOUNTING KEY BELOW)

(SEE SCHEDULE OF TERMINATIONS)

LOCATION CONTAINS POWER/IT

F - MOUNT PER NOTE OR SPECIAL DETAIL DRAWING

*REFER TO ARCHITECTURAL DRAWINGS FOR PROJECT



	KEY TO STAN	IDARD CONNECTOR	S	
DEVICE	DESCRIPTION	DEVICE	DESCRIPTION	
W3	WHIRLWIND W3CRP MASS CONNECTOR		MALE XLR PANEL CONNECTOR NEUTRIK NC3MD-L-BAG-1	
	MASS CONNECTOR	PUSH	FEMALE XLR PANEL CONNECTOR NEUTRIK NC3FD-L-BAG-1	
W4	WHIRLWIND W4CRP		1/4" T.R.S. PANEL CONNECTOR NEUTRIK NJ3FP6C-BAG	
	MASS CONNECTOR		RCA PANEL CONNECTOR NEUTRIK NF2D-B-x	
W5	WHIRLWIND W5CRP		3.5MM STEREO PANEL - SWITCHCRAFT EH35MMSSCB	
	MASS CONNECTOR		BNC PANEL CONNECTOR NEUTRIK NBB75DFIB	
W6	WHIRLWIND W6CRP	O Ces ®	CAT6A PANEL CONNECTOR NEUTRIK NE8FDX-Y6-B	
	MASS CONNECTOR		FIBER OPTIC PANEL CONNECTOR NEUTRIK NO2-4FDW-1-A	
	ILLUMINATED MOMENTARY PUSHBUTTON EAO SERIES 31	M	SPEAKON MALE 4-PIN PANEL CONNECTOR NEUTRIK NL4MP-UC	
	TOGGLE SWITCH ALCOSWITCH MTA-106D	M	SPEAKON STX SERIES MALE 4-PIN PANEL CONNECTOR NEUTRIK NLT4MP-BAG	
	HD15 FEMALE PANEL CONNECTOR NEUTRIK NADB15FF-B	F	SPEAKON STX SERIES FEMALE 4-PIN PANEL CONNECTOR NEUTRIK NLT4FP-BAG	
	DB9 PANEL CONNECTOR NEUTRIK NADB9xx-B		SPEAKON MALE 8-PIN PANEL CONNECTOR NEUTRIK NL8MPR-BAG	
	HDMI FEMALE PANEL CONNECTOR NEUTRIK NAHDMI-W-B		SMPTE 304 PANEL CONNECTOR LEMO 3K.93C	
	SEQUENCER POWER SWITCH LYNTEC SS2-PL		20A NEMA 5-20R ISOLATED GROUND	
	20A NEMA 5-20R ISOLATED GROUND SINGLE RECEPTACLE HUBBELL IG8310		DUPLEX RECEPTACLE HUBBELL IG5362	
	POWERCON TRUE1 20A PANEL CONNECTOR NEUTRIK NAC3FPX	P	POWERCON PANEL POWER OUTLET NEUTRIK NAC3MPB-BAG	
ON OFF	30A NEMA L5-30 120V 30A RECEPTACLE	X Y SY	30A NEMA L6-30 240V 30A RECEPTACLE	
	30A NEMA L21-30 120/208V 30A RECEPTACLE (5-WIRE)		DC POWER TWIST-LOCK HUBBELL 7468 (MATING PLUG: 7465V)	

1 SIGNAL FLOW STANDARD SYMBOLS NTS

KEY - SIGNAL FLOW

SWITCH ID

XX

REFERENCE NUMBER

REFERENCE MARKER

GO TO PAGE NUMBER

ETHERNET PORT SYMBOL

TERMINATION LABEL

CONTROL PATH

JUMPER CABLE

MULTIPIN TAIL FAN OUT

CONNECTION POINT

PROVIDE CABLE AND

WITHIN RACK (NO

AMPLIFIER

LOUDSPEAKER

PATCH BAY

TRANSFORMER

'X'P3T SWITCH

'X'PDT RELAY

CIRCUIT PATH

NO JUNCTION

NO JUNCTION

CIRCUIT PATH CROSS

MULTIPLE CIRCUIT PATHS

GROUPED FOR CLARITY

JUNCTION

 $+\circ$

(SEE COVER SHEET FOR

WIRING CONVENTIONS)

(X = CHOOSE ADDITIONAL

POLES FOR BALANCED CIRCUITS AS REQUIRED)

CONNECTOR TERMINATION

CONNECTION AT THIS TIME)

AUDIO PATCHBAY WIRING 2 CONVENTIONS NTS

3 STANDARD CONNECTORS & SYMBOLS NTS

Drawing No: AV0.2

AV Back Box Schedule_									
Term	QTY	Box Type							
LK	1	22X12X6							
LV	3	12x8x6							
LZ	1	12X16X6							
MK	6	6x4x4							
ML	1	6x6x6							
QK	1	10x10x6							
QL	1	6x6x6							
QV	3	10x10x6							

		AV Schedule of	Terminations_	
TERM	QTY	Wire Type	Route To	Spares Required
LK - RECO	RDING	CONTROL ROC	M INTERFACE - CON	SOLE
Α	48	MIC	ZH	5
В	16	LINE	ZH	2
LV - VIDEO	CONTR	ROL ROOM INT	ERFACE	
В	8	LINE	ZH	1
MK -SIDE S	SURROL	JND MONITOR		1
В	1	LINE	LZ	1
Е	2	STP	LZ	0.5
ML - OVER	HEAD S	URROUND MC	NITOR	
В	4	LINE	LZ	1
Е	4	STP	LZ	0.5
QK - RECO	RDING	CONTROL RO	OM INTERFACE - RAC	CK
E	2	MMF	ZH	0
Е	2	SMF	ZH	0
Е	8	STP	ZH	0.5
QL - RECO	RDING	CONTROL ROC	OM INTOERFACE - CC	NSOLE
Е	1	MMF	ZH	0
E	1	SMF	ZH	0
Е	4	STP	ZH	0.5
QV - VIDEO	CONT	ROL ROOM INT	TERFACE	
E	2	MMF	ZH	0
Е	2	SMF	ZH	0
Е	8	STP	ZH	0.5

		AV Condu	it Schedu	ıle_		
		QTY of Wire in		Total Wire		Min. Conduit
Wire Grou	P Route To	Conduit	Note	Diameter	Conduit Fill	Size
LK - RECC	RDING CONTROL RC	OM INTERFACE	E - CONS	SOLE		
Α	ZH	53		0.966	40%	2"
В	ZH	18		0.986	40%	2"
LV - VIDE	CONTROL ROOM IN	TERFACE				
В	ZH	9		0.493	40%	1 1/4"
MK -SIDE	SURROUND MONITO	₹				
В	LZ	2	*	7.220	31%	4"
E	LZ	2.5	*	0.225	40%	1"
ML - OVER	RHEAD SURROUND M	ONITOR				
В	LZ	5	*	18.050	40%	4"
E	LZ	4.5	*	0.405	40%	1 1/4"
QK - REC	DRDING CONTROL RO	OM INTERFAC	E - RAC	<		
E	ZH	12.5	*	0.881	40%	1 1/2"
QL - RECO	PRDING CONTROL RO	OM INTOERFAC	CE - CON	SOLE		
E	ZH	6.5	*	0.463	40%	1 1/4"
QV - VIDE	O CONTROL ROOM IN	İTERFACE		1		
E	ZH	12.5	*	0.881	40%	1 1/2"

		AV Power Sc	hedule_	
POWER TYPE	V/A/PH	CIRCUIT QTY	RECEPTACLE TYPE	RECEPTACLI QTY
LK				
AVTP	120V/20A/1PH	2	QUAD	1
LV				
AVTP	120V/20A/1PH	1	QUAD	1
MK				
AVTP	120V/20A/1PH	1	DUPLEX	1
ML				
AVTP	120V/20A/1PH	1	DUPLEX	1
QL	-	'		
AVTP	120V/20A/1PH	2	QUAD	1
	•			•

AV IT Loctaion Schedule_

LK CATEGORY LV CATEGORY

Term Wire Type Wire Quantity

- ALL MK LOUDSPEAKERS CAN BE ON A SHARED CIRCUIT. ALL ML LOUDSPEAKERS CAN BE ON A SHARED CIRCUIT.

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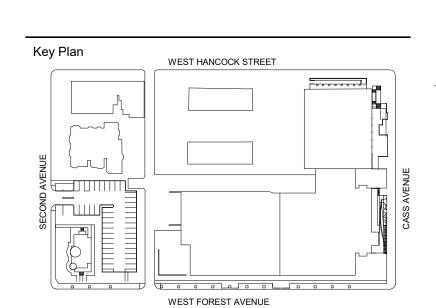
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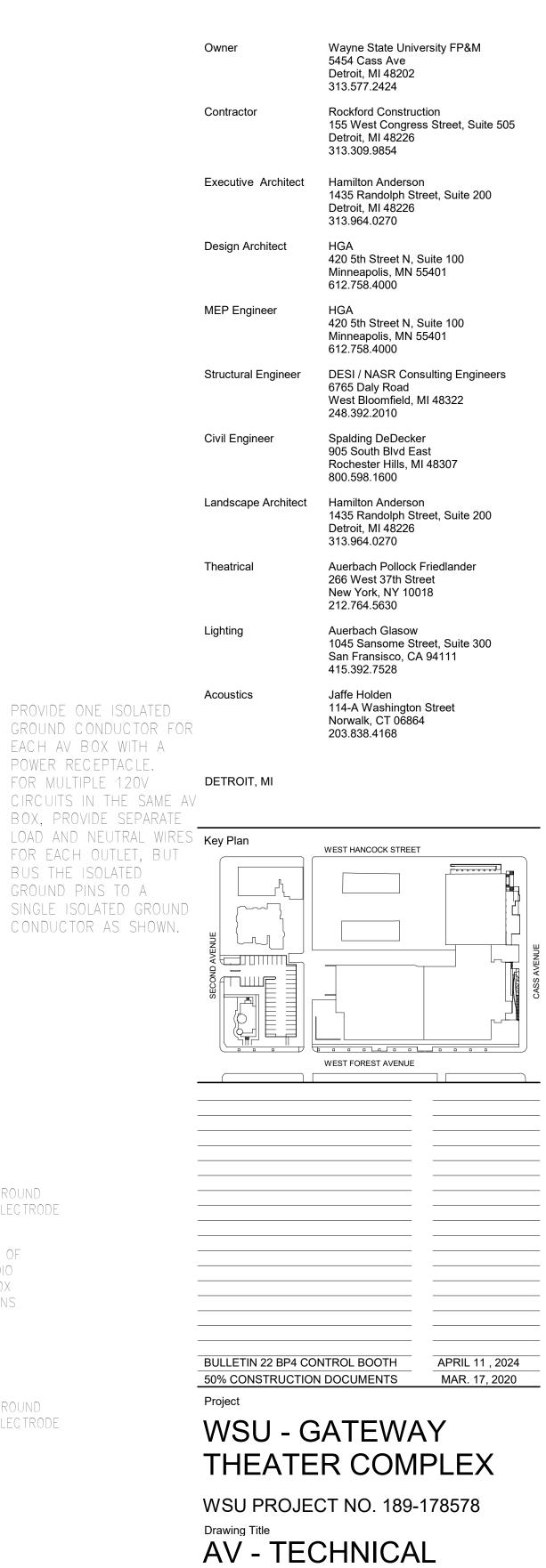
BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578 Drawing Title
AV - SCHEDULES 4

Project Number: 3995-001-00 Drawn By: Designer

AV0.6



POWER RECOMMENDED PRACTICE

Project Number: 3995-001-00

RE-ISSED FOR BULLETIN **22 FOR REFERENCE**

TYPICAL OF

ALL AUDIO

BACKBOX

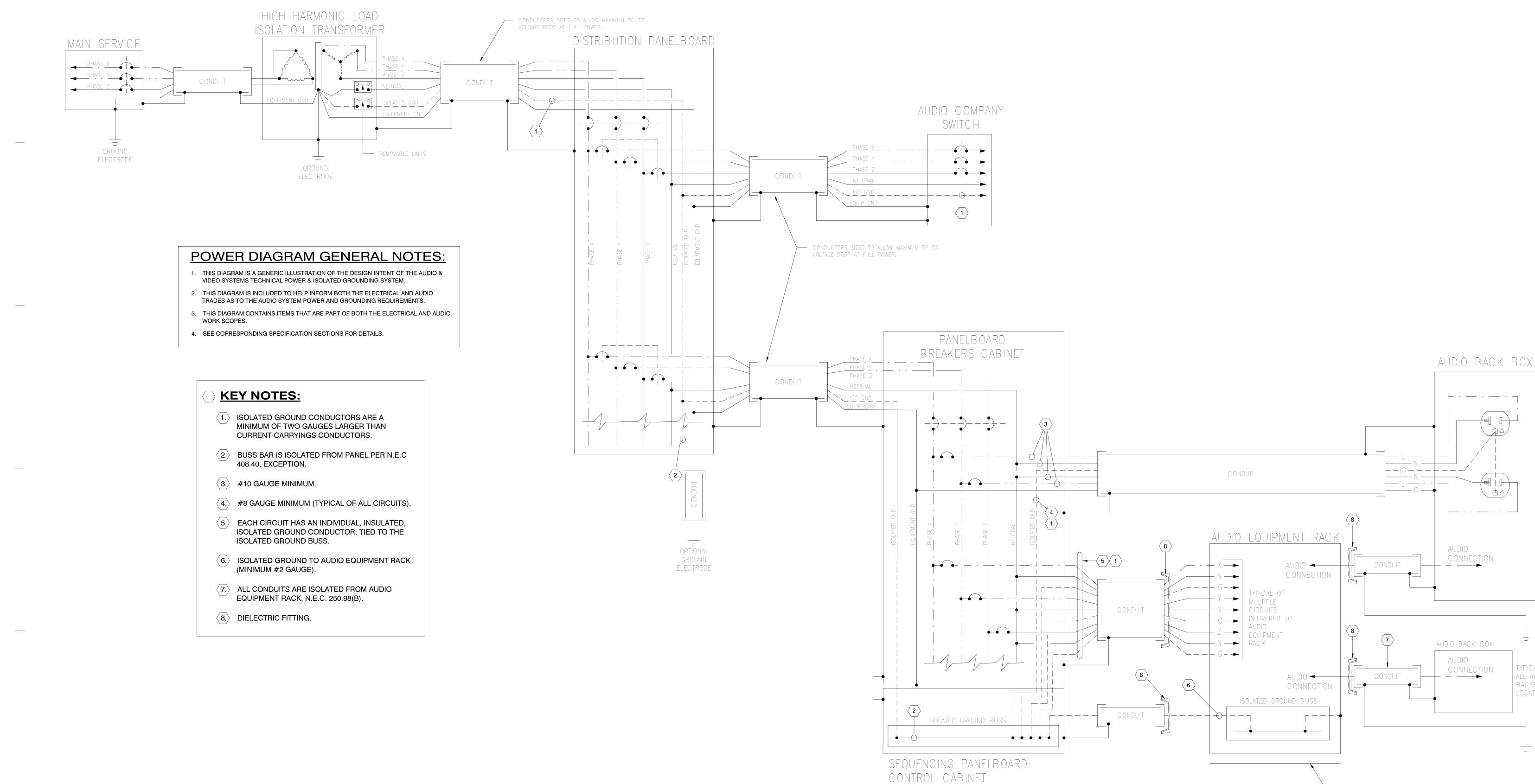
LOCATIONS

- GROUND

DIELECTRIC EQUIPMENT RACK PLINTH

ELECTRODE

AV0.9



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266 West 37th Street New York, NY 10018

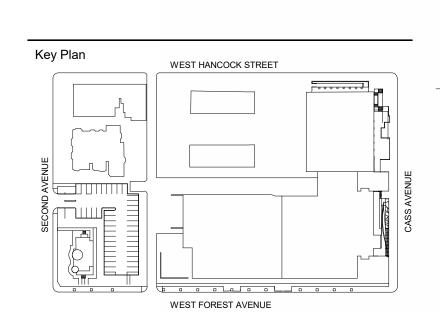
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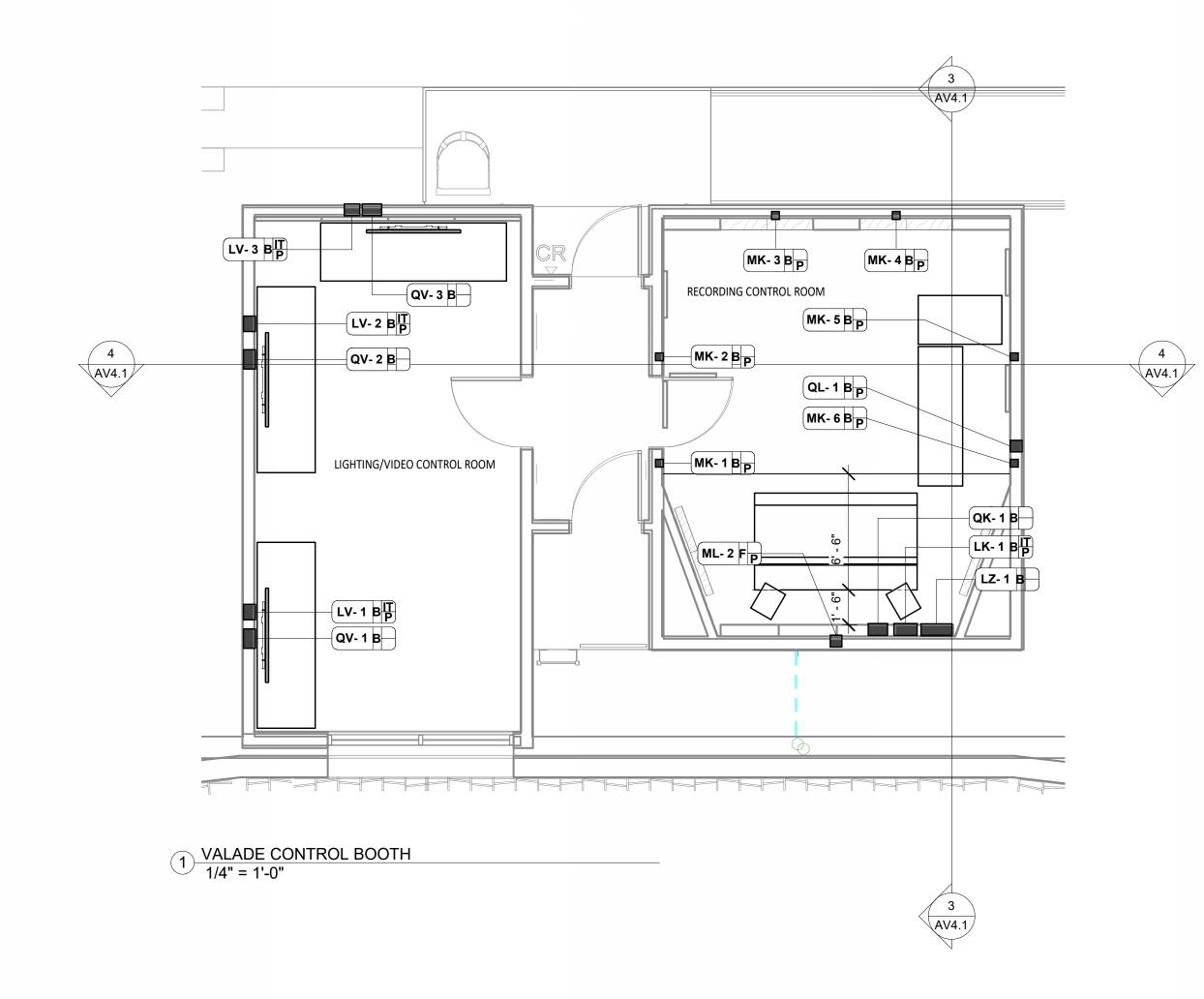


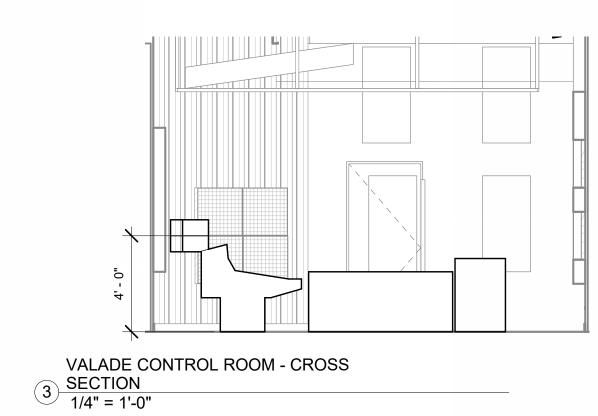
WSU - GATEWAY THEATER COMPLEX

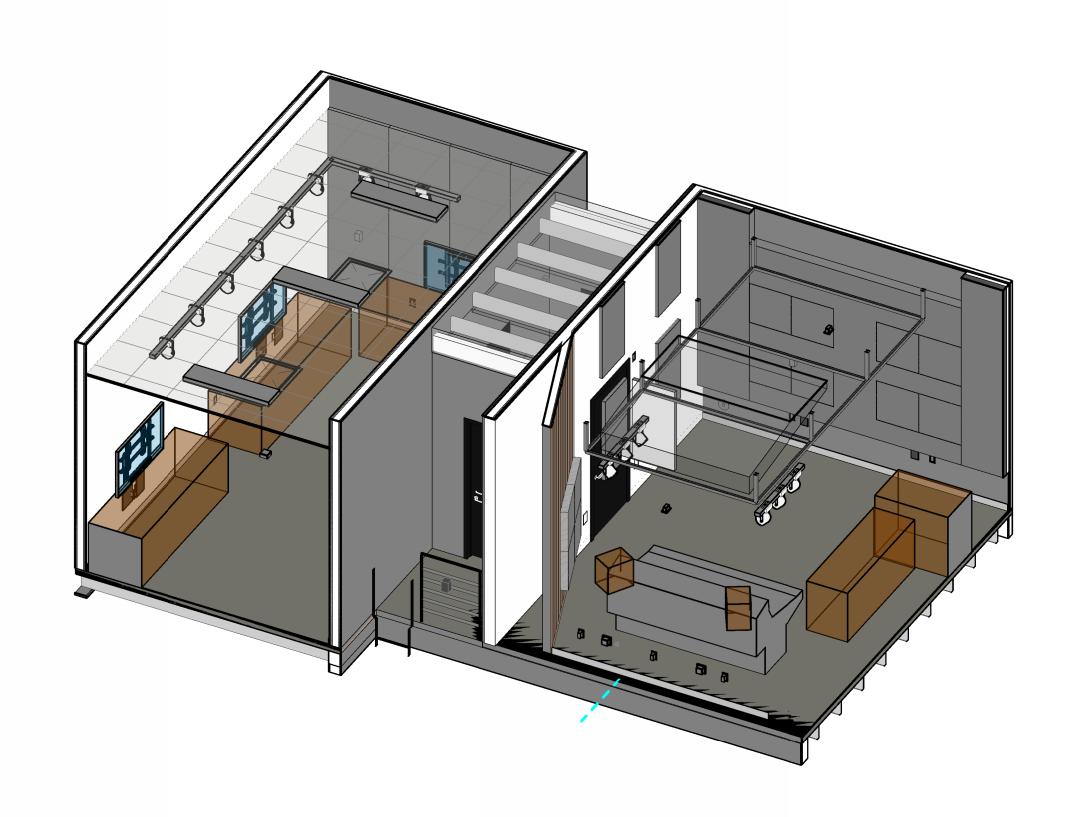
WSU PROJECT NO. 189-178578 AV DETAILS - VALADE CONTROL ROOM

Project Number: 3995-001-00

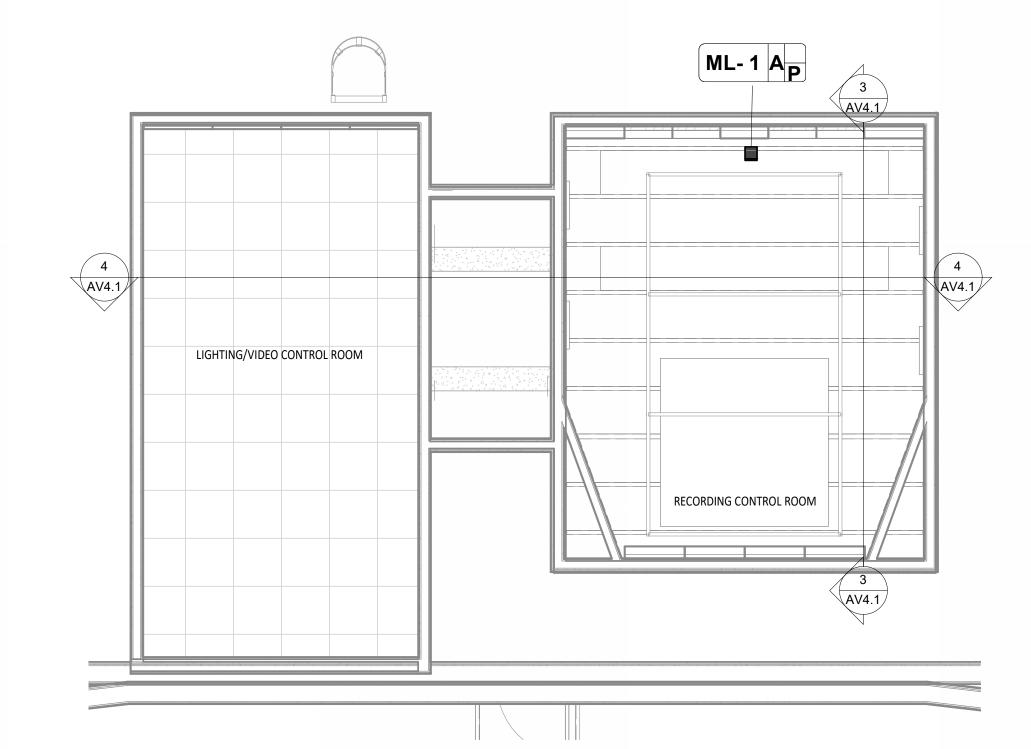
Scale: As indicated



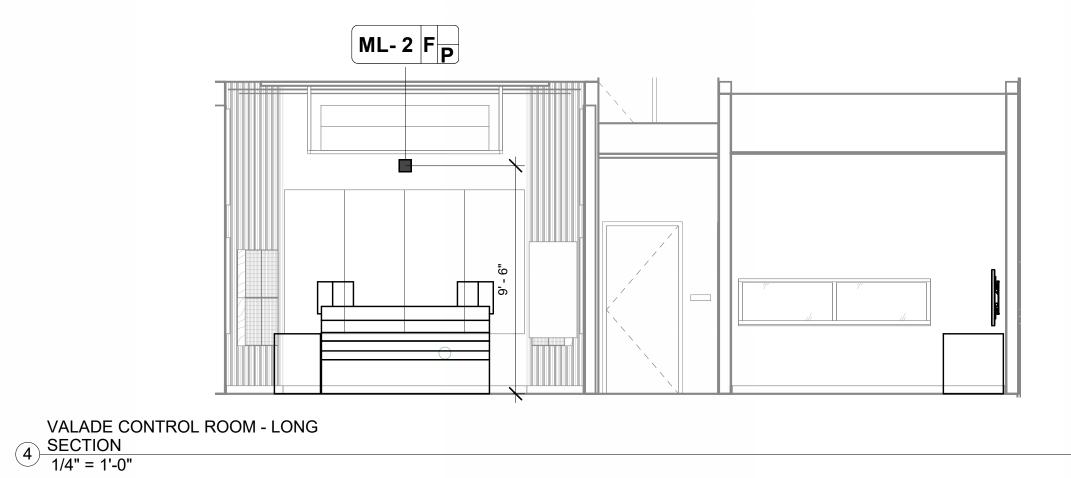


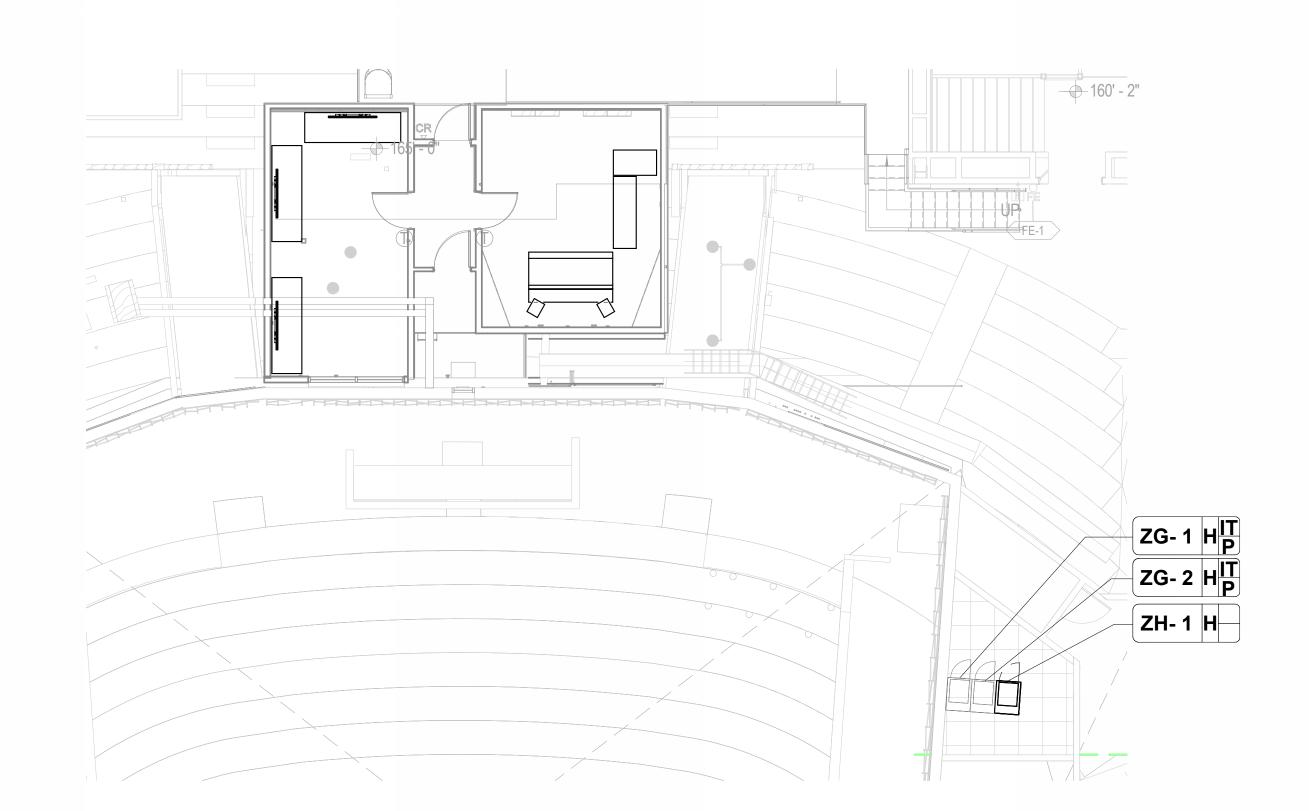






2 VALADE CONTROL BOOTH RCP 1/4" = 1'-0"





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WSU - GATEWAY THEATER COMPLEX WSU PROJECT NO. 189-178578

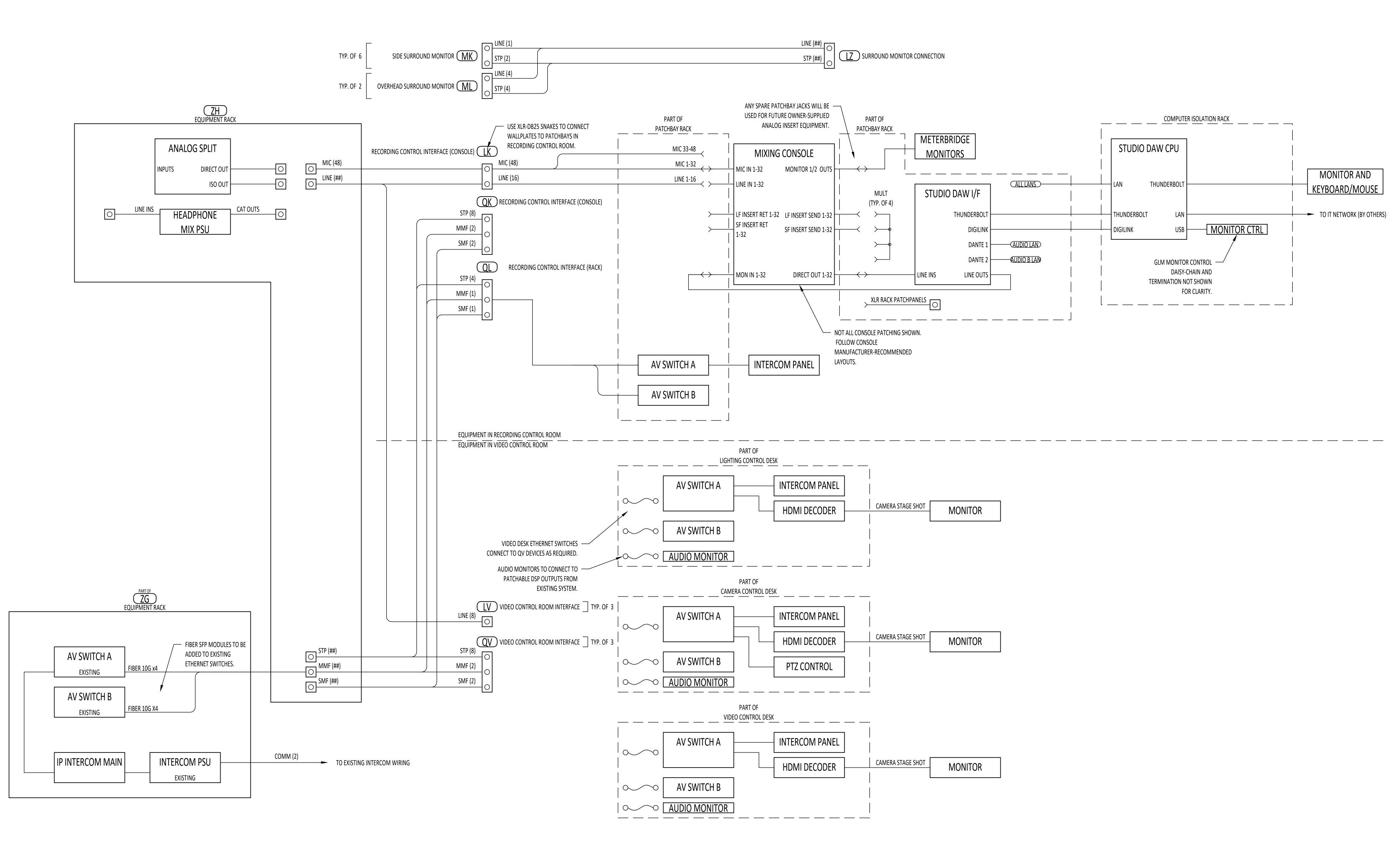
BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024

04/10/24

AV - SIGNAL FLOW 8

Project Number: 3995-001-00

AV7.08



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415.392.7528

Acoustics Jaffe Holden
114-A Washington Street

S Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4168

DETROIT, MI

Rey Plan

WEST HANCOCK STREET

Over 10 of

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BULLETIN 22 BP4 CONTROL BOOTH APRIL 11 , 2024
04/10/24

Project

WSU - GATEWAY

THEATER COMPLEX
WSU PROJECT NO. 189-178578

Drawing Title
AV - RACK DETAILS 6

Project Number: 3995-001-00

Drawn By: Designer

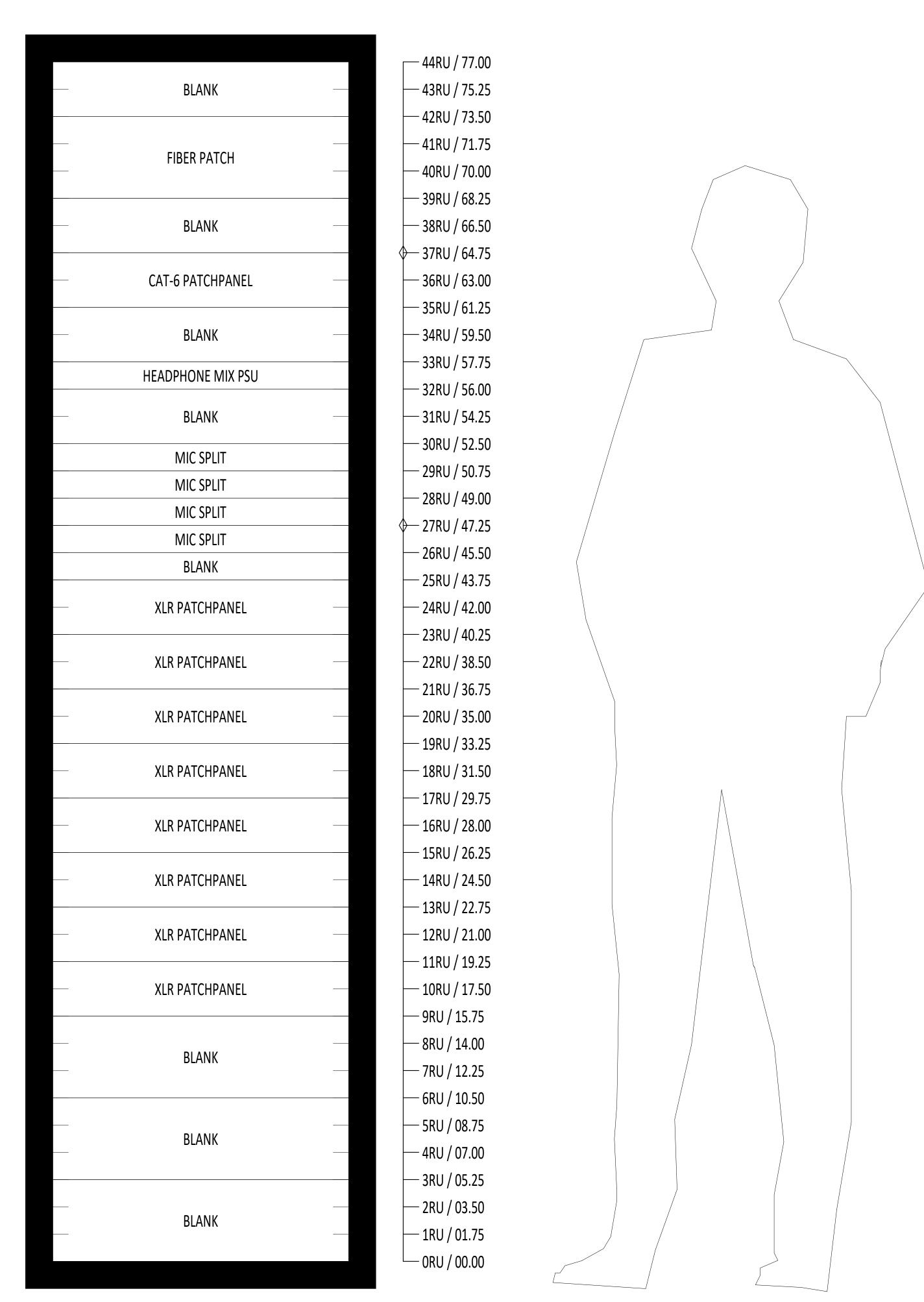
Scale: 1:2

Scale: 1

Seal:

Drawing No:

AV8.6



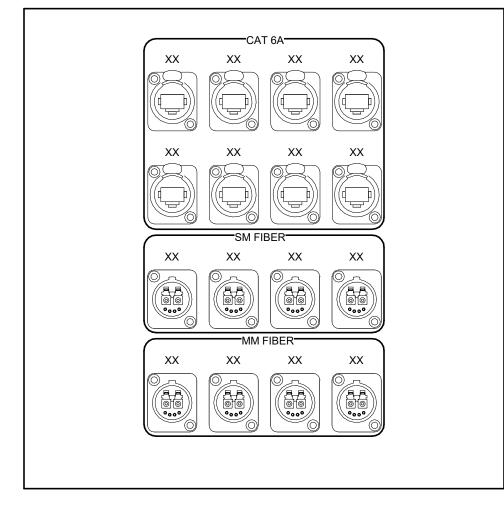
THIS RACK CONSISTS OF:

(1) MAP WRK-44-32 RACK (RELOCATE SIDE PANEL FROM EXISTING RACK TO THIS ONE)

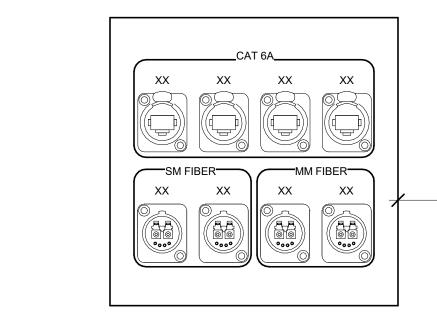
(1) MAP WL-60 WORK LIGHT

(1) MAP CC-44-312 CABLE CHASE BETWEEN THIS RACK AND EXISTING RACKS

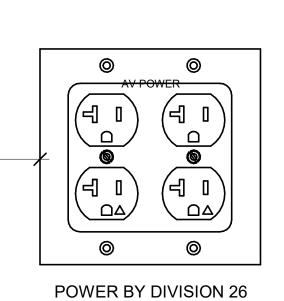
REFER TO SPEC 27 41 00 SECTION 3.10 FOR ADDITIONAL RACK ASSEMBLY REQUIREMENTS.







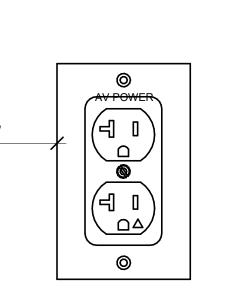




0' - 3"

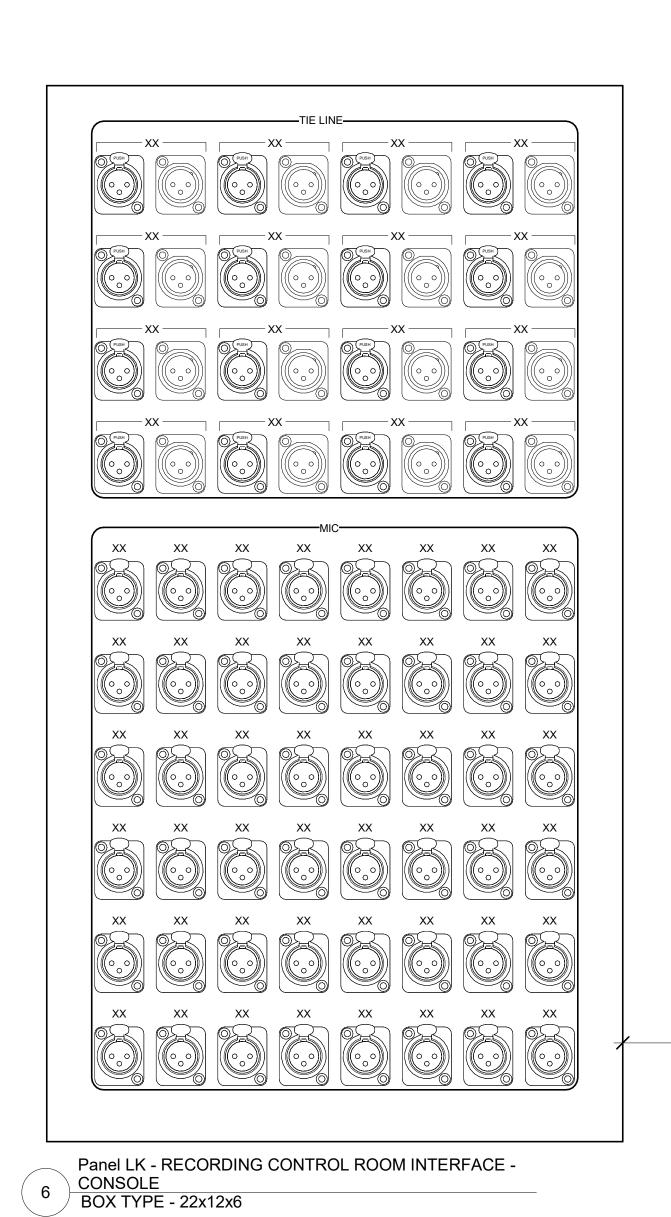


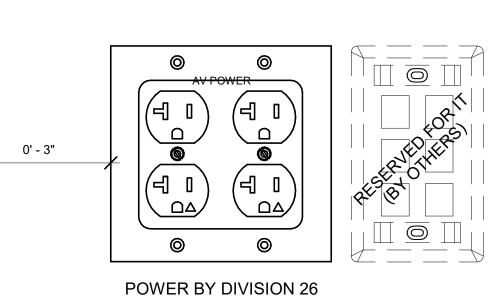
XX

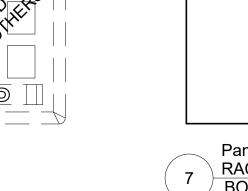


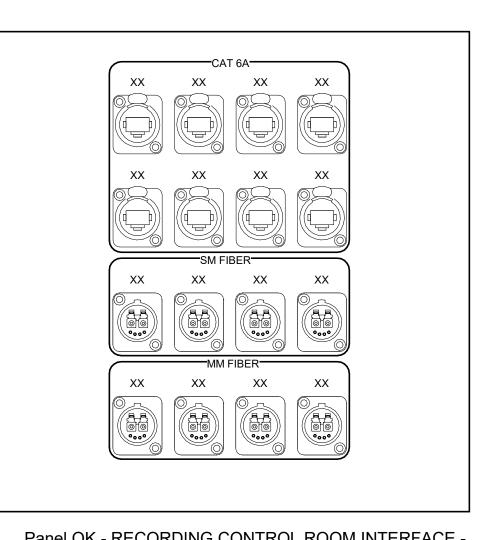
AV POWER

POWER BY DIVISION 26

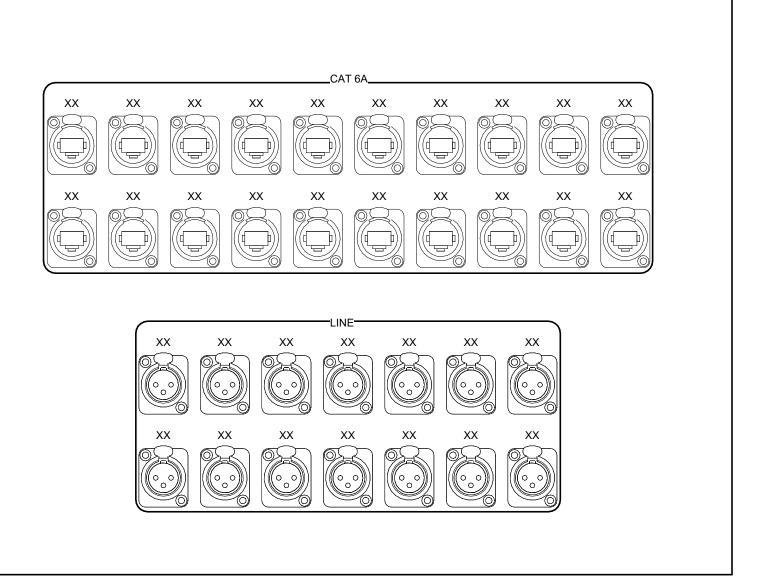








Panel QK - RECORDING CONTROL ROOM INTERFACE RACK
BOX TYPE - 10x10x6



8 Panel LZ - SURROUND MONITORS INTERFACE
BOX TYPE - 12x16x6

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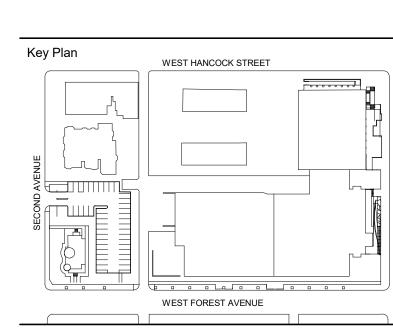
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BULLETIN 22 BP4 CONTROL BOOTH APRIL 11, 2024 JUNE 29, 2020

WSU - GATEWAY

THEATER COMPLEX WSU PROJECT NO. 189-178578

Drawing Title
AV - PLATES AND PANELS 16

Project Number: 3995-001-00

Scale: 1:2

CONSTRUCTION KEYNOTES GENERAL NOTES (01) 8" CONCRETE RAMP WALLS 1. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND CONSTRUCTION INDICATED AS EXISTING ARE NOT GUARANTEED. BEFORE BEGINNING SITEWORK, (02) LINE OF EXISTING MASONRY LEDGE INVESTIGATE AND VERIFY THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND OTHER CONSTRUCTION AFFECTING THE WORK. CALL MISS DIG. LINE OF EXISTING MASONRY WALL (04) CONCRETE RETAINING WALL TO 2. REMOVE TRUNK AND ROOT SYSTEM TO DEPTH OF 36" AT DEMOLISHES TREES. MATCH EXISTING 3. REPAIR ALL LAWN AREAS DAMAGED BY CONSTRUCTION ACTIVITIES. STOCKPILE TOPSOIL AND (05) RAILING SYSTEM- SEE A1.4 RE-USE FOR FINISHED GRADING AT DISTURBED AREAS. APPLY AND RAKE IN GRASS SEED, COVER WITH LOOSE STRAW AND WATER UNTIL LAWN IS ESTABLISHED. DO NOT USE EROSION CONTROL (06) CONCRETE SLAB NETTING SYSTEMS OVER SEEDED AREAS. SEED KENTUCKY BLUEGRASS / TALL FESCUE BLEND GRASS IN ALL NEW LAWN AREAS AND AREAS DAMAGED OR OTHERWISE DISTURBED BY (07) REPAIR DISTURBED LAWN AREAS CONSTRUCTION. MAINTAIN EXISTING DRAINAGE PATTERN AT LAWN AREAS. (08) EXISTING BRICK PAVERS 4. REMOVE AND STOCKPILE BRICK PAVERS AS REQUIRED BY OWNER REPRESENTATIVE. REINSTALL PAVERS PER OWNER REPRESENTATIVE DIRECTIONS. (09) EXISTING MASONRY PEDESTAL AND RETAINING WALL TO REMAIN 5. PARGE ALL NON-LIMESTONE FOUNDATION WALLS EXPOSED BY RAMP. (10) EXISTING THRESHOLD 6 PROVIDE FULLY FUNCTIONAL HINGING AND LATCHING SYSTEM FOR RELOCATED STEEL GATE AT (11) EXISTING STAIR NEW LOCATION. INSPECT EXISTING EXIT DEVICE FOR PROPER FUNCTION AND REPORT ANY DEFICIENCIES TO OWNER REPRESENTATIVE. (12) EXISTING BUILDING FOUNDATION 7. REPAIR ALL VOIDS IN EXISTING MASONRY AT DEMOLISHED RAILING LOCATIONS. PATCH VOIDS (13) TRENCH DRAIN WITH FACTORY-MIXED CEMENTITIOUS PRODUCT THAT IS CUSTOM MANUFACTURED FOR PATCHING STONE. CATHEDRAL STONE PRODUCT OR JAHN RESTORATION MORTAR. MATCH (14) PROTECT EXISTING SCULPTURE EXISTING STONE. AND BASE 7'-8" VIF 8. EXISTING SPOT ELEVATIONS AND FINISH FLOOR ELEVATIONS ARE TAKEN FROM HISTORICAL (15) EXISTING WINDOW SURVEY DOCUMENTS. VERIFY FLOOR ELEVATIONS AND RELEVANT EXTERIOR GRADE ELEVATIONS PRIOR TO COMMENCING WORK AND ADJUST LAYOUT ACCORDINGLY. DO NOT EXCEED 1:12 SLOPE (16) EXISTING SUMP PUMP ON RAMP WALKING SURFACES. REVIEW ANY LAYOUT ADJUSTMENTS WITH OWNER REPRESENTATIVE PRIOR TO EXECUTION. SURFACE MOUNTED LIGHT FIXTURE- SEE ELECTRICAL (18) REMOVE AND RE-INSTALL EXISTING GATE- PROVIDE NEW 2"X2" STEEL TUBE POSTS PAINTED (19) DEPRESS SLAB AT TRENCH DRAIN ALCOVE- SLOPE SURFACES TO DRAIN (20) CONTROL JOINT MAX. 5' O.C.- TYP **DEMOLITION KEYNOTES** (11) 01 REMOVE STAIR 02 REMOVE RETAINING WALL REMOVE PORTION OF CONCRETE RETAINING WALL (80) - PROTECT SCULPTURE, PEDESTAL AND CONCRETE PAD 5'-0" REMOVE BRICK PAVERS SLOPE 2% REMOVE CONCRETE SLAB REMOVE CONCRETE AREAWAYS 139'-2 1/2" VIF [07] REMOVE PORTION OF CONCRETE MAINTENANCE $\oplus | \oplus |$ 139'-1 1/2" 138'-10" 08 REMOVE TREE (139'-3" SLOPE 2% 09 REMOVE VENT PIPE [10] REMOVE RAILING SYSTEM- TERRACE AND STAIRS CASS AVE HANCOCK B-A1.2 B-A1.3 CONS B-A1.1 139'-4" OR ĹĹ 3 LOWER LEVEL PLAN 2 GRADE LEVEL PLAN DEMOLITION PLAN 9 **KEY PLAN** B-A1.1 1/8"=1'-0" 0 8'-0"



SILVERI ARCHITECTS

GRETCHEN C.
VALADE JAZZ
CENTER - PHASE

WAYNE STATE UNIVERSITY

4743 Cass Ave Detroit, MI 48202

G ISSUED DATE
BID SET 4/16/2024

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DRAWN BY VS
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CLIENT PROJ NO. PV-FY20-AE18

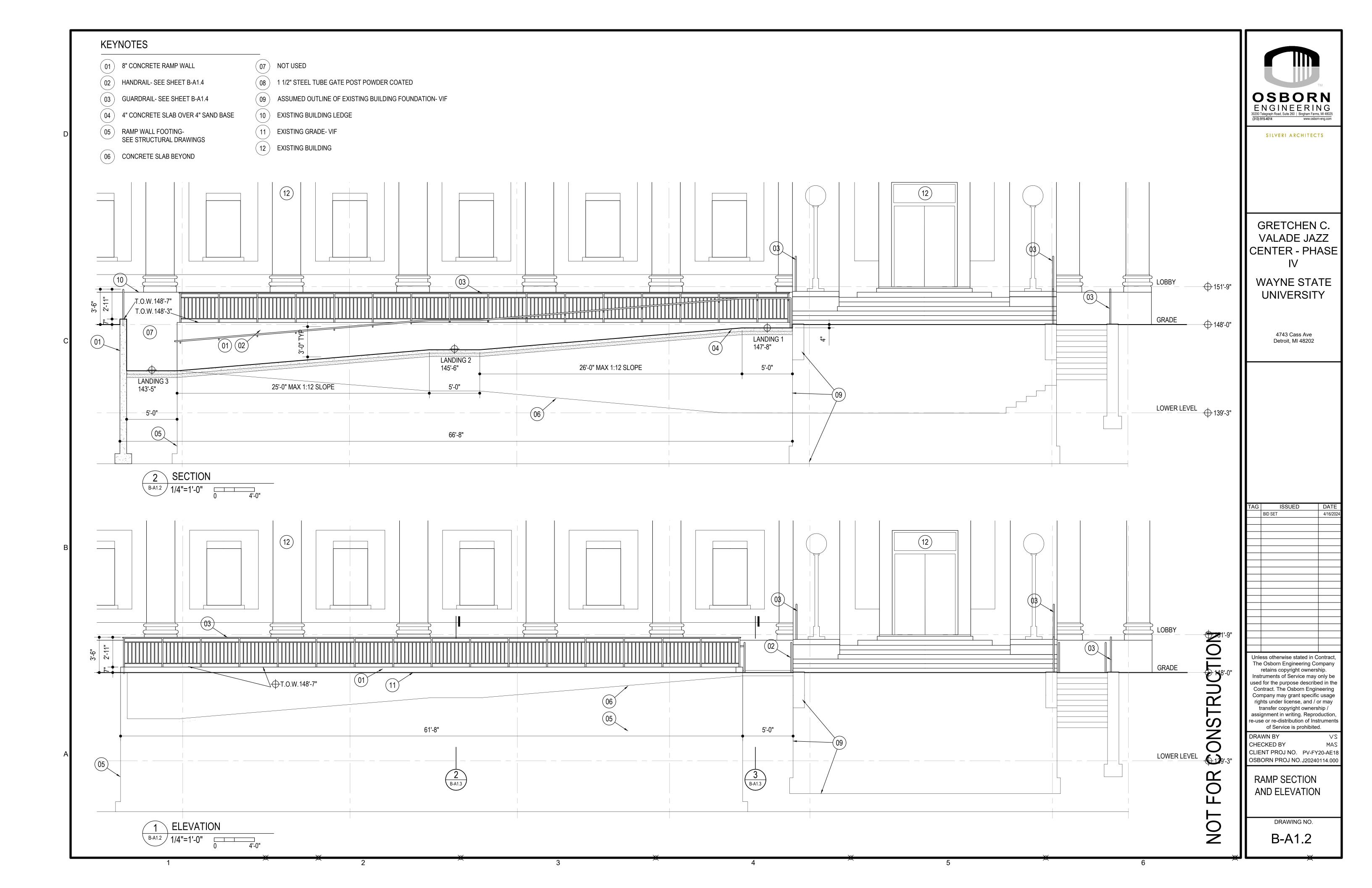
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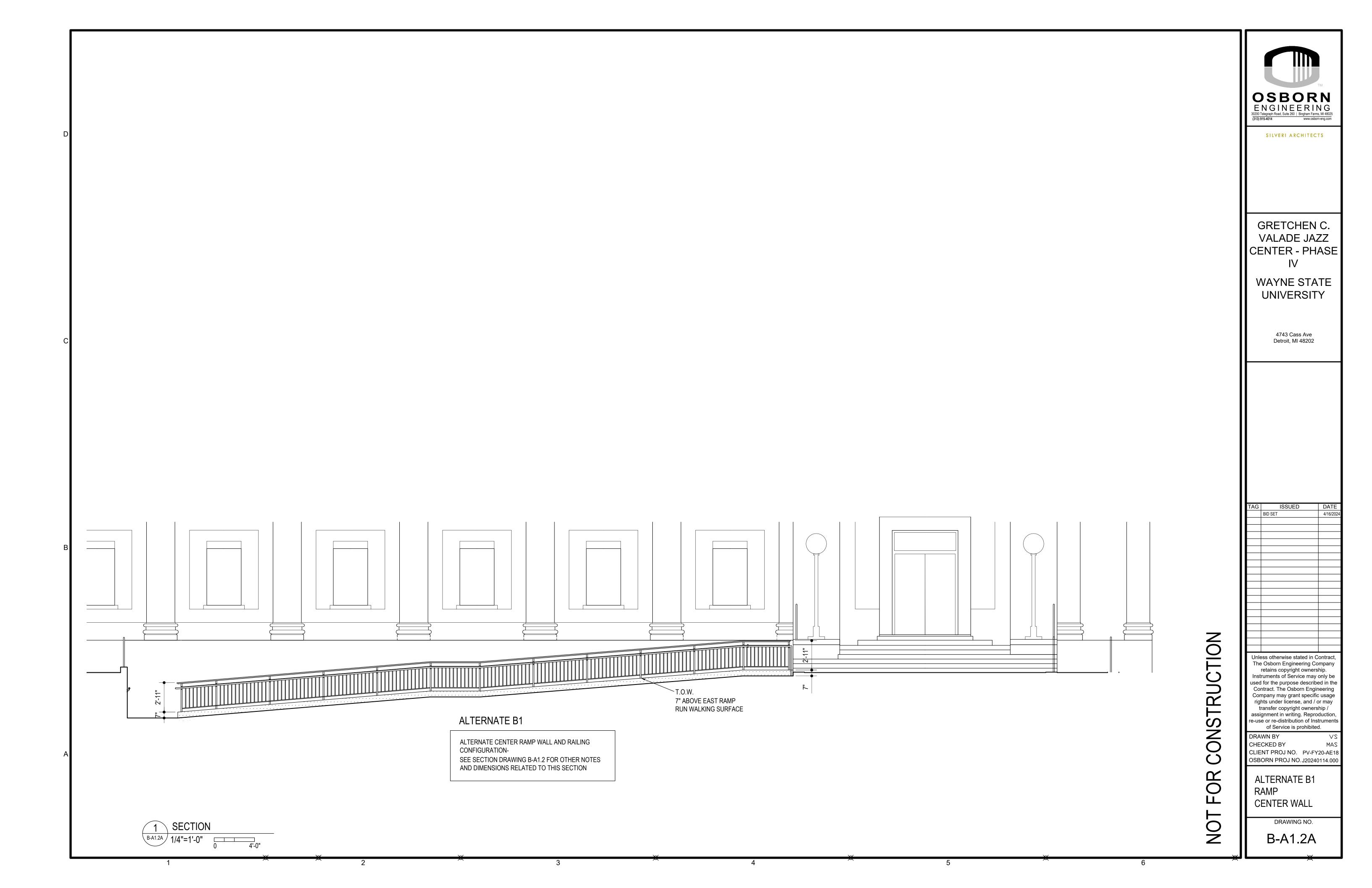
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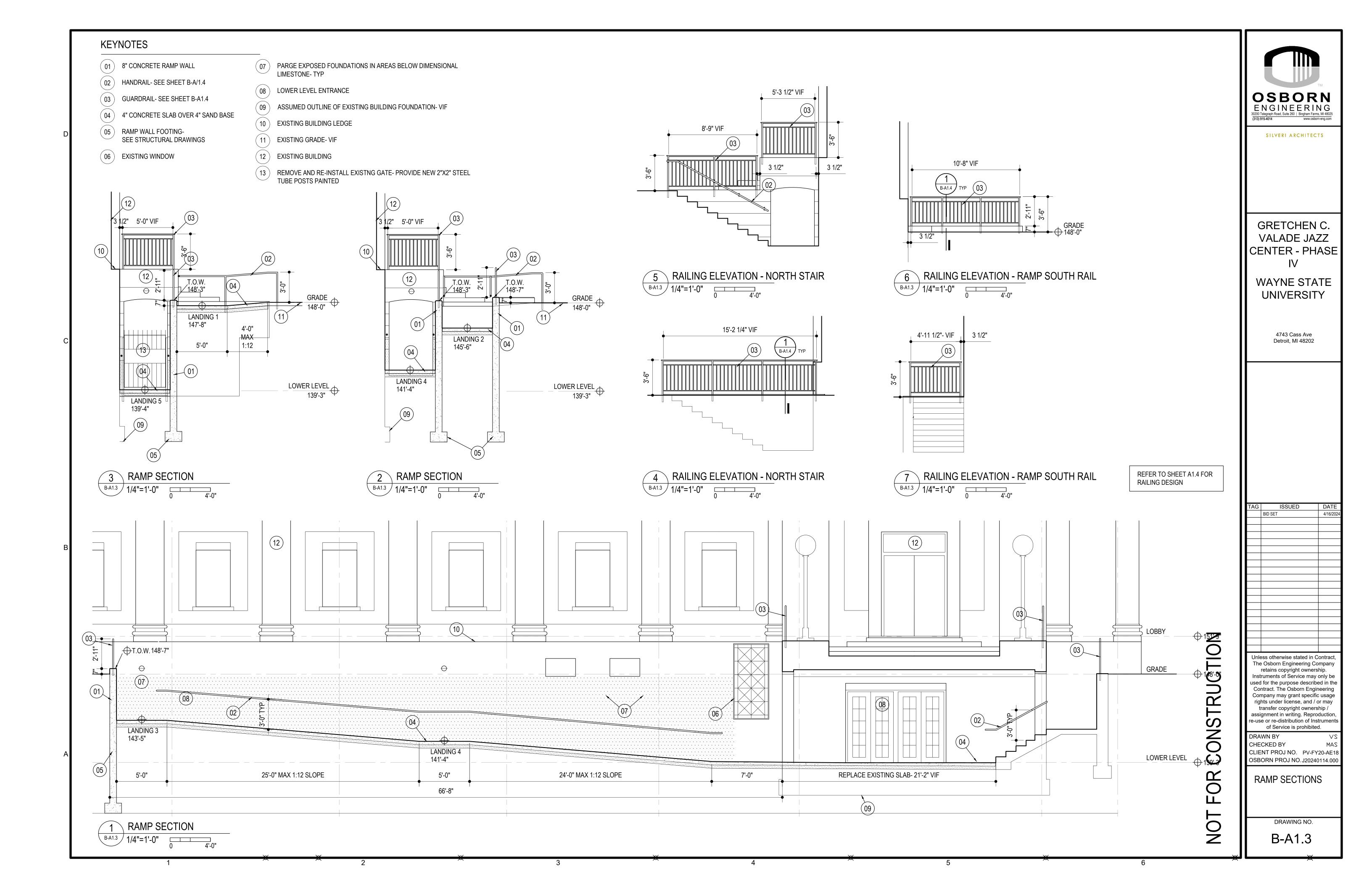
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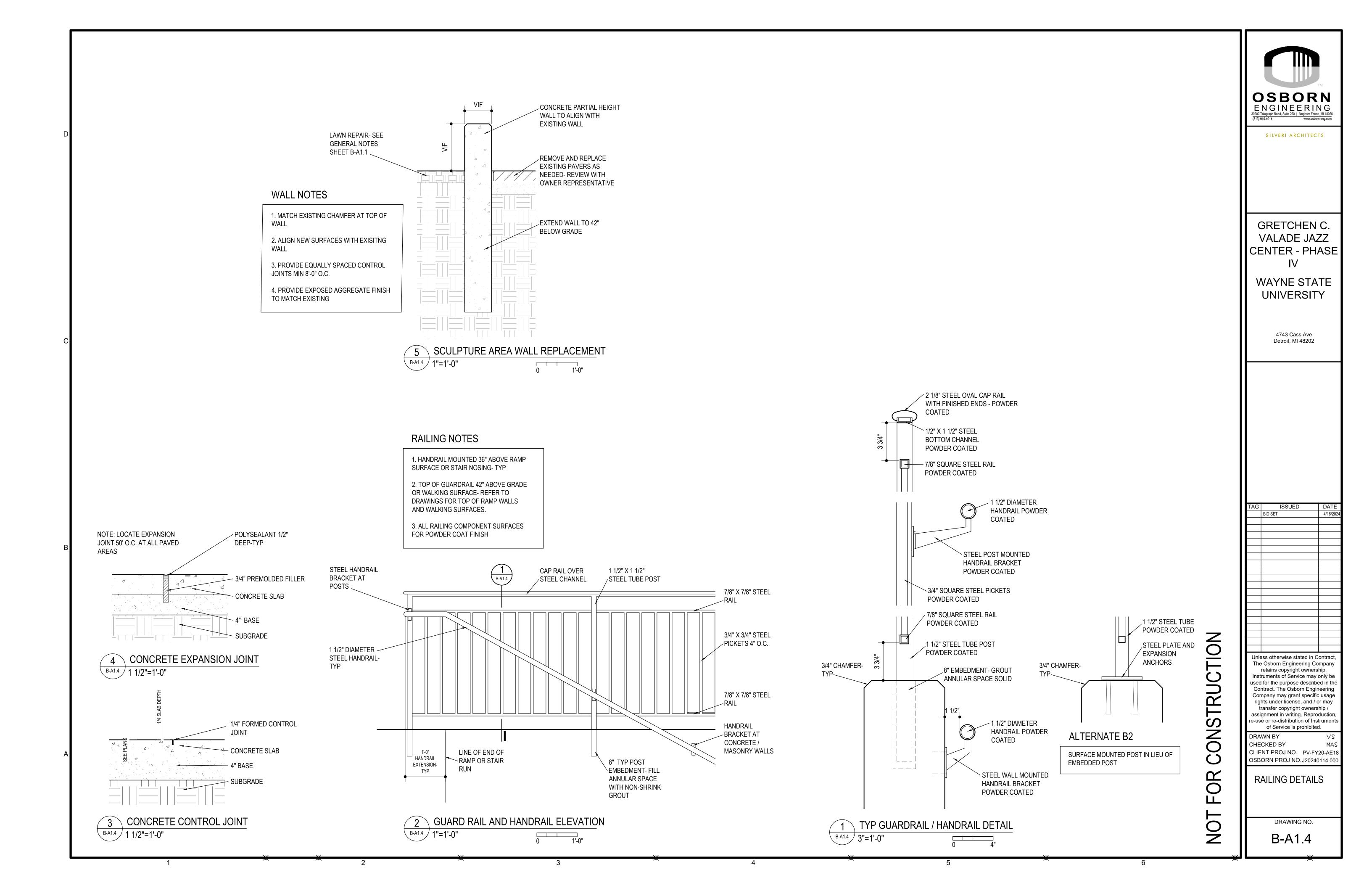
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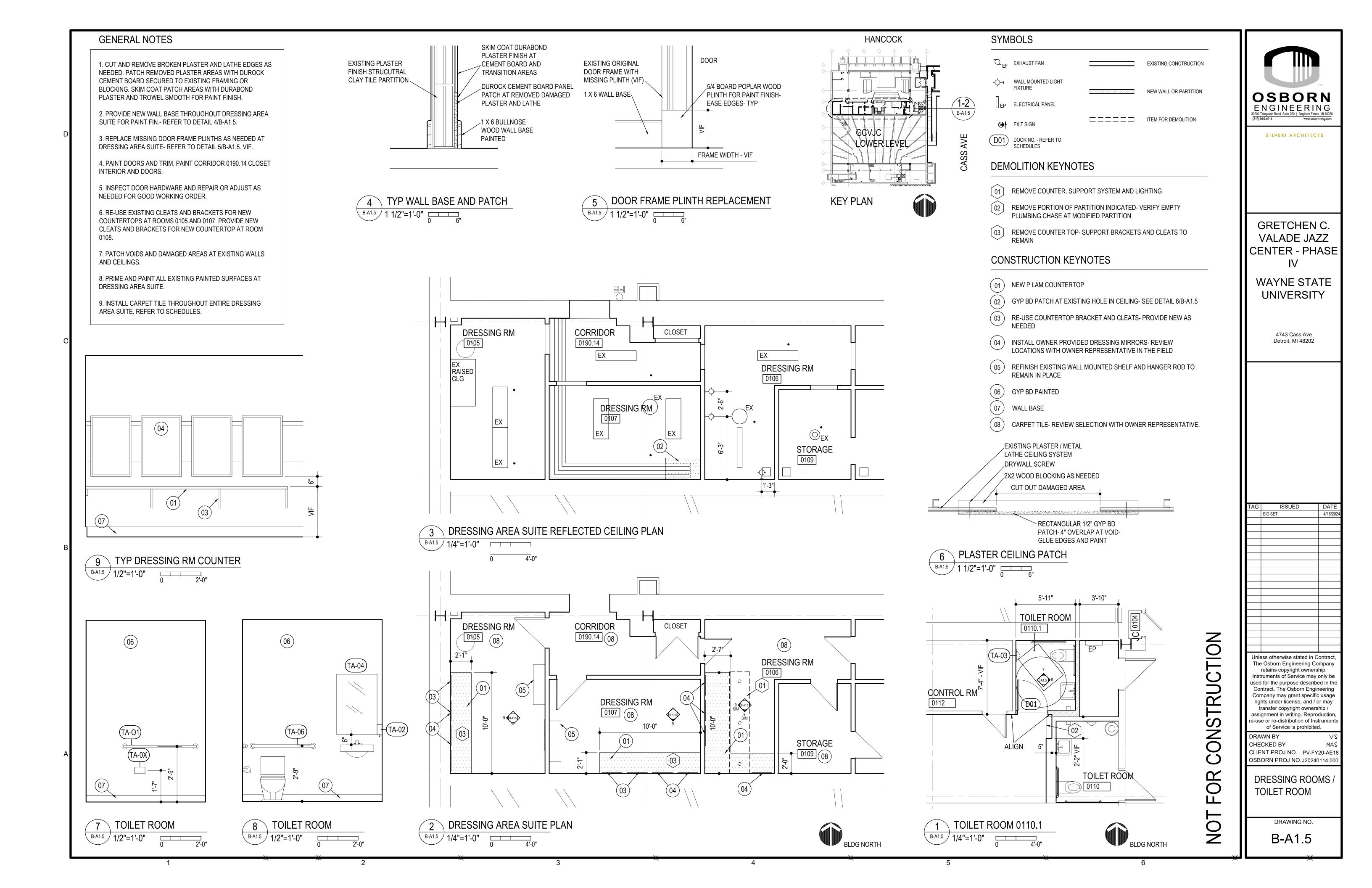
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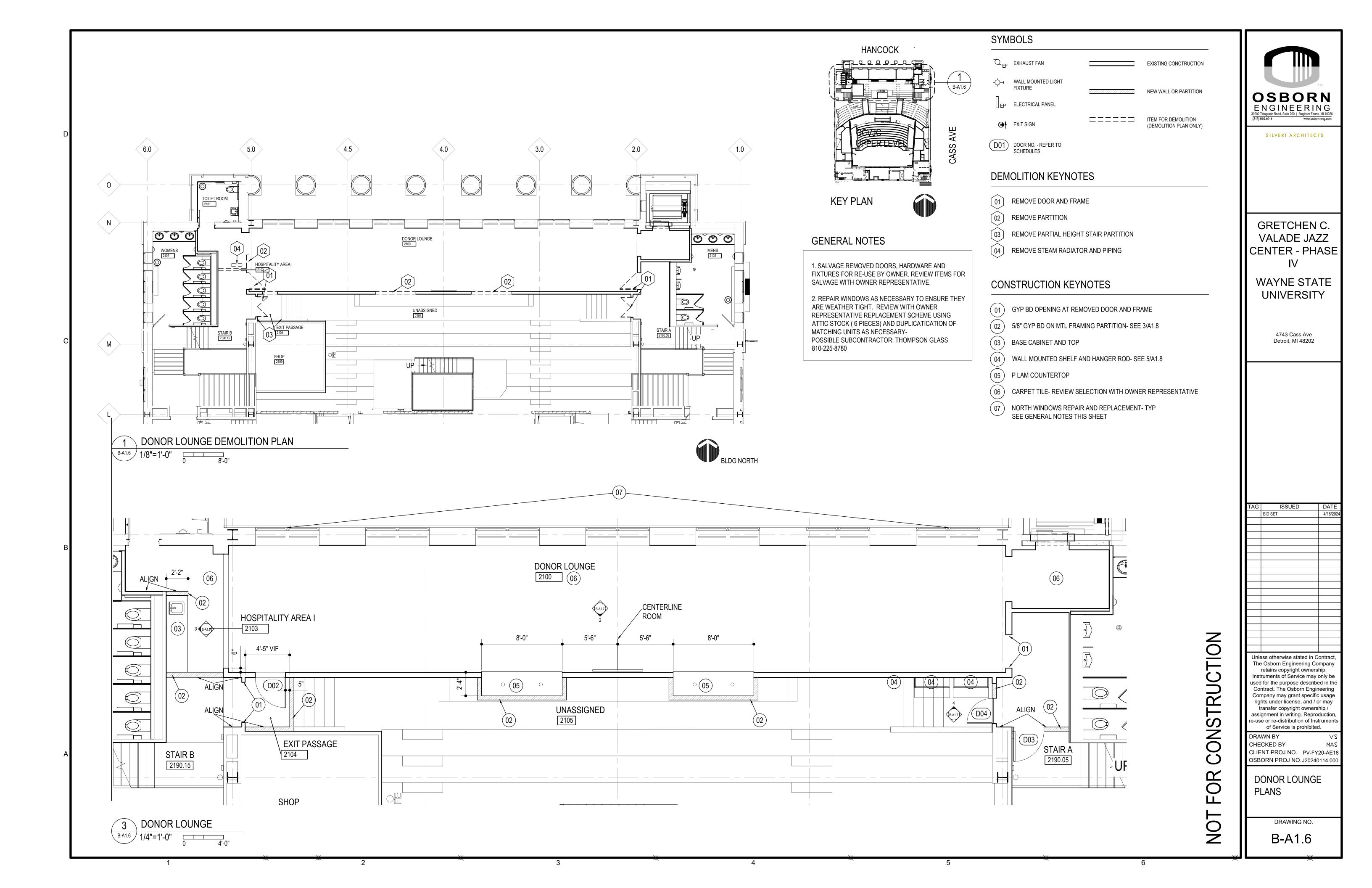


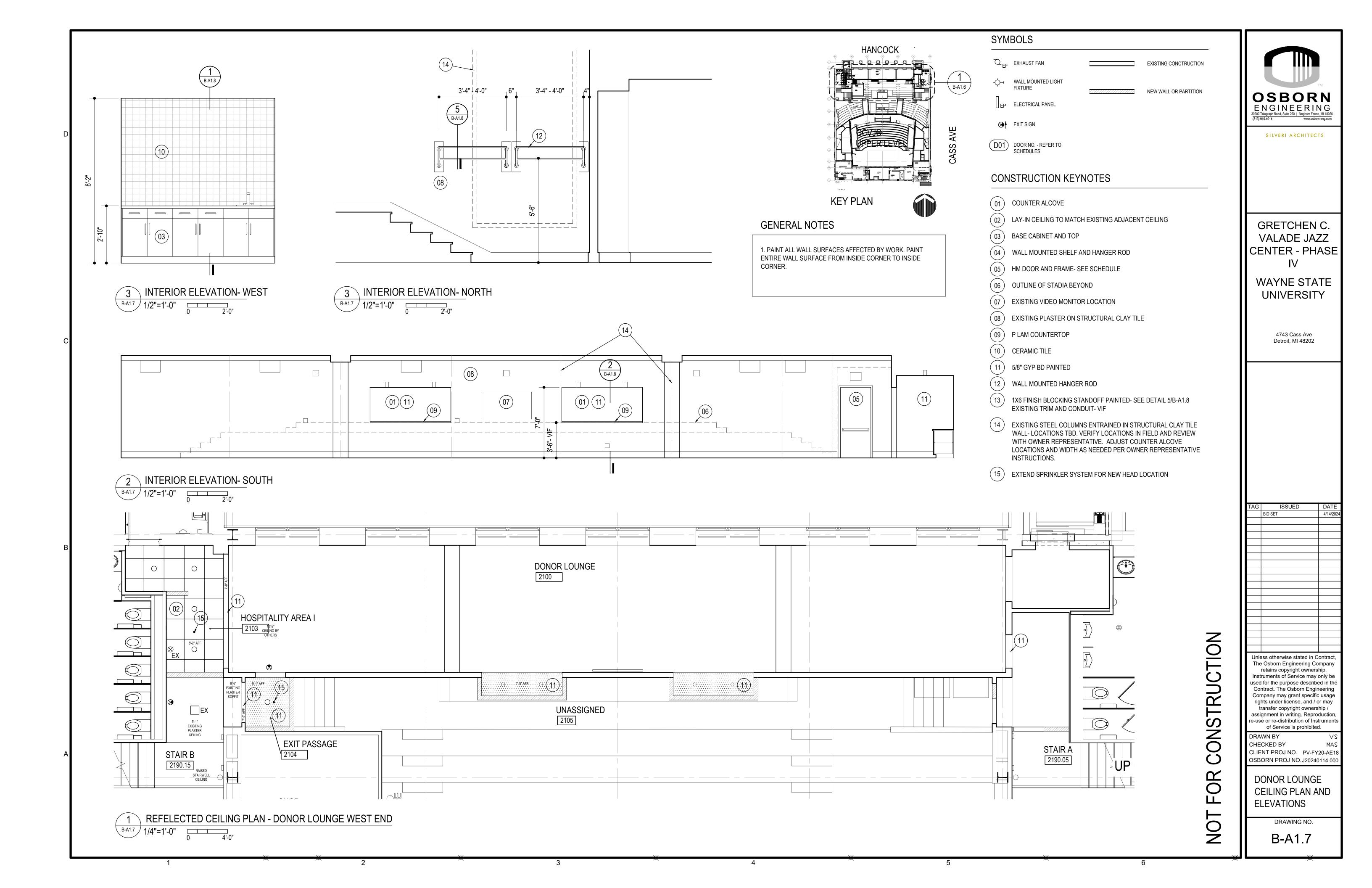












DOOR SCHEDULE

CODE	ROOM	SIZE	TYPE	FIRE RATING	MATERIAL	THRESHOLD	HARDWARE SET	DETAIL	NOTES
D01	TOILET ROOM	36" X 80"	А	NONE	METAL DOOR METAL FRAME		2.0	4 / A1.8	1, 2
D02	DONORS LOUNGE	36" X 84"	А	45 MINUTE	METAL DOOR METAL FRAME		1.0	4 / A1.8	1, 2
D03	DONORS LOUNGE	36" X 84"	А	45 MINUTE	METAL DOOR METAL FRAME		1.0	4 / A1.8	1, 2
D04	COAT CHECK	36" X 84"	В	NONE	METAL DOOR METAL FRAME		3.0	4 / A1.8	2

NOTES

1. ADA COMPLIANT

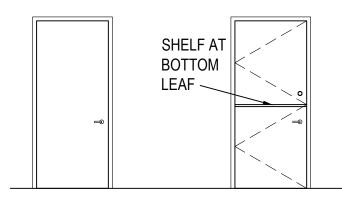
2. PAINTED DOOR AND FRAME

EXISTING TERRAZZO

STADIA BEYOND

PARTITION- VIF ~

DOOR TYPES



A B
FLUSH DOOR2" METAL FRAME DOOR- 2" METAL FRAME
FRAME

HARDWARE SETS

SET 1.0 3 HINGES, HEAVY DUTY, IVES OR OWNER APPROVED EQUAL SURFACE CLOSER, LCN OR OWNER APPROVED EQUAL WALL STOP

FIRE EXIT DEVICE NEOPRENE SILENCERS

SET 2.0
3 HINGES, HEAVY DUTY, IVES OR OWNER APPROVED EQUAL WALL STOP
PRIVACY LOCKSET
NEOPRENE SILENCERS

SET 3.0
4 HINGES, HEAVY DUTY, IVES OR OWNER APPROVED EQUAL WALL STOP
ENTRANCE LOCKSET ON LOWER LEAF

DEADBOLT ON UPPER LEAF
DUTCH DOOR SLIDE BOLT CONNECTING LEAVES
NEOPRENE SILENCERS

DOOR HARDWARE

 ALL HARDWARE AND FINISHES SHALL MATCH EXISTING ADJACENT RENOVATION HARDWARE WITH LEVER TRIM- VIF.
 KEY LOCKS PER OWNER REQUIREMENTS

REPRESENTATIVE REVIEW AND APPROVAL.

REVIEW LOCK FUNCTION WITH OWNER REPRESENTATIVE
 PROVIDE HARDWARE PRODUCT DATA SUBMITTAL FOR OWNER

FINISH CODES

GBP	GYP BD PAINTED
CPT	CARPET SQUARES
RB	RUBBER BASE
ECP	EXISTING CONSTRUCTION PAINTED
ACT	ACOUTICAL CEILING TILE
СТ	CERAMIC TILE

ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLOOR	BASE	CEILING	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	NOTES
0110.1	TOILET ROOM	CT FLOOR	CT BASE	ECP	GBP	GBP	GBP	GBP	1, 3, 5
0105 - 09 0190.14	DRESSING AREA SUITE	CPT	SEE DWGS	PAINT	PAINT	PAINT	PAINT	PAINT	3, 4
2104	EXIT PASSAGE	EXISITNG	MATCH EXISTING	GBP	GBP	GBP	GBP	GBP	1
2103	HOSPITALITY AREA I	CPT	MATCH EXISITNG	ACT	GBP	GBP	GBP	GBP / CT	1, 2, 3, 4, 5
2100	DONOR LOUNGE	CPT	MATCH EXISTING	NA	NA	NA	NA	NA	1, 3, 4

- 1. REVIEW MATCHING WALL BASE AND TRIM SELECTIONS WITH OWNER REPRESENTATIVE PRIOR TO INSTALLATION
- 2. REVIEW MATCHING ACT SELECTION WITH OWNER REPRESENTATIVE PRIOR TO INSTALLATION
- 3. REVIEW PAINT COLOR SELECTIONS WITH OWNER REPRESENTATIVE
- 4. CARPET TILE TO MATCH EXISTING SELECTION USED IN THE BUILDING. REVIEW WITH OWNER REPRESENTATIVE. INSTALL PER MFR RECOMMENDATIONS.
- 5. CERAMIC TILE TO MATCH EXISTING SELECTION USED IN THE BUILDING. REVIEW WITH OWNER REPRESENTATIVE. INSTALL PER 2023 TCNA HANDBOOK.

TOILET ACCESSORIES

CODE	MFR./SOURCE	MODEL	COLOR / FINISH	NOTES
TA-01	TOILET TISSUE DISPENSER	PROVIDED BY OWNER, INSTALLED BY CONTRACTOR	TBD	1
TA-02	LIQUID SOAP DISPENSER	PROVIDED BY OWNER, INSTALLED BY CONTRACTOR	TBD	1
TA-03	ELECTRIC HAND DRYER	DYSON AIR BLADE V-AB12	WHITE	1
TA-04	MIRROR	BRADLEY 781 24X36 SURFACE MTD	STAINLESS FRAME LAMINATED MIRROR	1, 2
TA-05	VERTICAL GRAB BAR 18"	BRADLEY 812 - 18	SATIN	1, 2
TA-06	HORIZONTAL GRAB BAR 36"	BRADLEY 812 - 36	SATIN	1, 2
TA-07	HORIZONTAL GRAB BAR 42"	BRADLEY 812 - 42	SATIN	1, 2

- 1. ADA COMPLIANT MOUNTING HEIGHT
- 2. OR OWNER APPROVED EQUAL

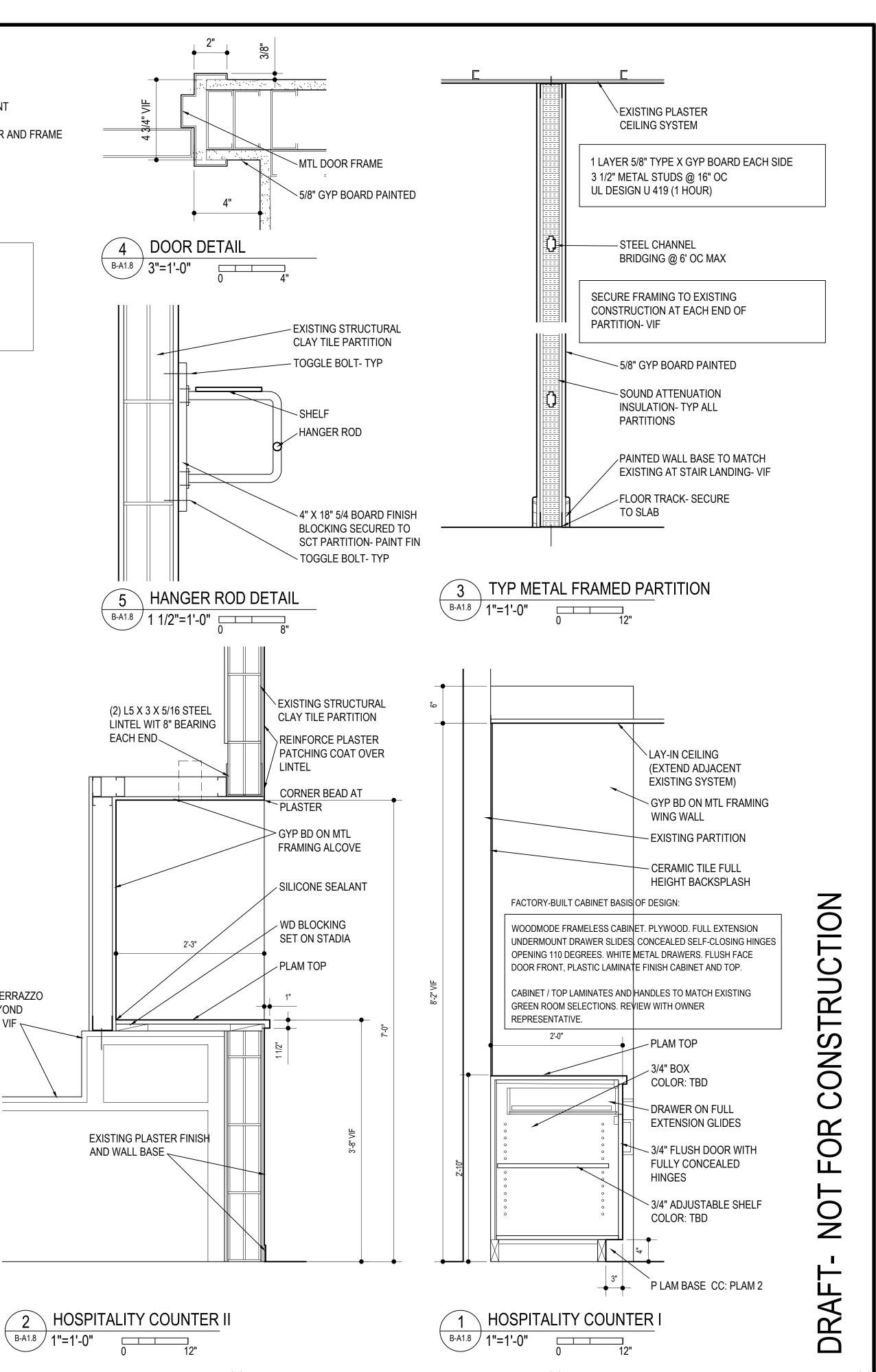
CERAMIC TILE AND GROUT

	CODE	MFR./SOURCE	MODEL	SIZE AND CONFIGURATION	COLOR	GROUT	NOTES
•	CT-1	MATCH GREEN ROOM	MATCH GREEN ROOM	MATCH GREEN ROOM	TBD	G-1	1
	G-1	TEC	ACCUCOLOR GROUT	LATEX MODIFIED PORTLAND CEMENT	TBD		1

1. REVIEW TILE AND COLOR SELECTIONS WITH OWNER REPRESENTATIVE

RESILIENT BASE

CODE	MFR./SOURCE	MODEL	SIZE AND CONFIGURATION	COLOR	NOTES
RB-1	ROPPE	RUBBER BASE	4" COVE	CHARCOAL GRAY	



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SILVERI ARCHITECTS

GRETCHEN C. VALADE JAZZ CENTER - PHASE IV

WAYNE STATE UNIVERSITY

4743 Cass Ave Detroit, MI 48202

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BID SET

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DETAILS AND SCHEDULES

DRAWING NO.

B-A1.8

EXECUTION REQUIREMENTS 017000

- 1.1 SUMMARY
 - 1. This Section includes general procedural requirements governing execution of the WorK.
- 3.1 EXAMINATION
- A. Existing Conditions: The existence and location of site improvements, utilities, and other construction indicated as existing are not guaranteed. Before beginning work, investigate and verify the existence and location of mechanical and electrical systems and other construction affecting the Work.
- 1. Before construction, verify the location and points of connection of utility services.
- B. Existing Utilities: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning sitework, investigate and verify the existence and location of underground utilities and other construction affecting the
- C. Acceptance of Conditions: Examine substrates, areas, and conditions, with Installer or Applicator present where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.
- 1. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
- 2. Examine roughing-in for electrical systems to verify actual locations of connections before equipment and fixture installation.
- 3. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.
- 3.2 PREPARATION
- Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents, submit a request for information to Architect. Include a detailed description of problem encountered, together with recommendations for changing the Contract Documents.
- 3.3 INSTALLATION
- A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.
- 1. Make vertical work plumb and make horizontal work level.
- 2. Where space is limited, install components to maximize space available for maintenance and ease of removal for replacement.
- B. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.
- C. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.
- D. Anchors and Fasteners: Provide anchors and fasteners as required to anchor each component securely in place, accurately located and aligned with other portions of the Work.
- 1. Mounting Heights: Where mounting heights are not indicated, mount components at heights directed by Architect.
- 2. Allow for substrate movement, including thermal expansion and contraction.
- E. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect. Fit exposed connections together to form hairline joints.
- 3.4 CORRECTION OF THE WORK
- A. Repair or remove and replace defective construction. Restore damaged substrates and finishes.
- 1. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment.
- B. Remove and replace damaged surfaces that are exposed to view if surfaces cannot be repaired without visible evidence of repair.

CLOSEOUT PROCEDURES SECTION 017700

1.1 SUMMARY

- A. This Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
- 1. Inspection procedures.
- 2. Final cleaning.

1.2 SUBSTANTIAL COMPLETION

- A. Preliminary Procedures: Before requesting inspection for determining date of Substantial Completion, complete the following. List items below that are incomplete in request.
- 1. Prepare a list of items to be completed and corrected (punch list).
- 2. Terminate and remove temporary facilities from Project site, along with construction tools, and similar elements.
- Complete final cleaning requirements.
- 4. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.

1.3 FINAL COMPLETION

- A. Inspection: Submit a written request for final inspection for acceptance. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
- 1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
- 1.4 LIST OF INCOMPLETE ITEMS (PUNCH LIST)
- A. Preparation: Submit PDF of list. Include name and identification of each area affected by construction operations for incomplete items and items needing correction. Use standard CSI Form.
- 2.1 MATERIALS
- A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.
- 3.1 FINAL CLEANING
- A. General: Provide final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.
 - 1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a portion of Project:
 - a. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign
 - b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
 - c. Rake grounds that are neither planted nor paved to a smooth, even-textured surface.
 - surplus material from Project site.
 - e. Leave Project clean and ready for occupancy.
- C. Comply with safety standards for cleaning. Do not burn waste materials. Do not bury debris or excess materials on Owner's property. Do not discharge volatile, harmful, or dangerous materials into drainage systems. Remove waste materials from Project site and dispose of lawfully.

SELECTIVE STRUCTURE DEMOLITION 024119

- 1.01 SECTION INCLUDES
- A. Selective structure demolition work includes, but is not limited to, the
 - 1. Demolition and removal of selected portions of the existing
- 2. Patching and repairs.

1.02 SUBMITTALS

- A. Photographs or videotape, sufficiently detailed, of existing conditions of adjoining construction that might be misconstrued as damage caused by selective structure demolition operations.
- 1.03 QUALITY ASSURANCE
- A. Standards: Comply with ANSI A10.6 and NFPA 241.

1.04 PROJECT CONDITIONS

- A. Occupancy: The Owner will be continuously occupying spaces immediately adjacent to areas of selective structure demolition. Conduct selective structure demolition work in such manner that will minimize need for disruption of normal operations.
- B. Partial Demolition: Items indicated to be removed, but of salvable value shall be turned over to the Owner.
- C. Protections: Provide temporary barricades and other forms of protection as required to protect Owner's personnel and general public from injury due to selective structure demolition work.
- 1. Provide protective measures as required to provide free and safe passage of Owner's personnel and general public to and from the building.
- 5. Remove protections at completion of work.
- D. Damages: Promptly repair damages caused to adjacent facilities by structure demolition work at no cost to Owner

3.01 EXAMINATION

- A. Prior to commencement of selective structure demolition work, inspect areas in which work will be performed.
- B. When unanticipated mechanical, electrical, and structural elements are encountered, and conflict with intended design, investigate and measure the nature and extent of conflict. Promptly submit a report in writing to Owner Representative.
- C. Survey condition of the building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of the structure or adjacent structures during selective structure demolition operations.
- 3.02 UTILITY SERVICES
- A. Maintain existing utilities indicated to remain in service and protect against damage during selective structure demolition operations.
- 3.03 PREPARATION
- A. Conduct structure demolition operations to prevent injury to people and damage to adjacent buildings and facilities to remain. Ensure safe passage of people around selective structure demolition area. Erect and maintain dustproof partitions and closures as required to prevent spread of dust or fumes to occupied portions of the building. Provide and maintain shoring, bracing, or structural support to preserve stability and prevent movement, settlement, or collapse of building to be selectively demolished.
- 3.04 DEMOLITION
- A. Demolish and remove existing construction only to extent required by new construction and indicated.
- B. Cut work by methods least likely to damage work to be retained and work adjoining. Neatly cut openings and holes square, plumb, and true
- C. In general, where physical cutting action is required, cut work with sawing and grinding tools, not with hammering and chopping tools.
- D. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden spaces before starting flame-cutting operations.
- 1. Maintain portable fire-suppression devices during flame-cutting
- Demolish concrete and masonry in small sections. Cut concrete and masonry at junctures with construction to remain, using power driven masonry saw or hand tools; do not use power driven impact tools.
- 3.05 PATCHING AND REPAIRS
- A. Promptly patch and repair damaged surfaces caused to adjacent construction by selective structure demolition operations.
- B. Closely match finish and texture of existing adjacent surfaces.
- C. Where patching smooth painted surfaces, extend final coat of paint over entire unbroken surface, after patched and repaired area has
- 3.06 DISPOSAL OF DEMOLISHED MATERIALS
- A. Remove debris, rubbish and other materials resulting from demolition operations from building site. Do not allow demolished materials to accumulate on-site. Transport and dispose of materials off-site in legal manner in an EPA-approved landfill.
- 1. If hazardous materials are encountered during demolition rendered harmless, and the area has been certified safe by appropriate authorities.

RAILINGS 055210

1.1 PERFORMANCE REQUIREMENTS

1. Structural Performance:

Handrails:

- a. Uniform load of 50 lbf/ ft. applied in any direction. Concentrated load of 200 lbf applied in any direction.
- with incompatible materials.

1.3 SUBMITTALS

- A. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
- A. Fabricated by local iron works

2.2 METALS

- A. Brackets, Flanges, and Anchors: Cast or formed metal of same type of material and finish as supported rails, unless otherwise indicated.
- B. Steel and Iron:
- 1. Tubing: ASTM A 500.
- 2. Pipe: ASTM A 53/A 53M, Type F or Type S, Grade A, Standard Weight (Schedule 40), unless another grade and weight are required by structural loads.

C. Fasteners:

- 1. Steel Railings: Plated steel fasteners complying with ASTM B 633, Class Fe/Zn 25 for electrodeposited zinc coating.
- from corrosion-resistant materials with capability to sustain, without failure, a load equal to six times the load imposed when installed in unit masonry and equal to four times the load imposed when installed in concrete, as determined by testing per ASTM E 488.
- E. Grout and Anchoring Cement: Factory-packaged, nonshrink, exterior use.

2.4 FABRICATION

- A. General: Fabricate railings to comply with design, dimensions, and
- B. Welded Connections: Cope components at connections to provide
- C. Form curves by bending in jigs to produce uniform curvature; maintain cross section of member throughout bend without cracking or otherwise deforming exposed surfaces.
- D. Close exposed ends of railing members with welded end fittings. Grind
- flanges, miscellaneous fittings, and anchors to interconnect railing members to other work, unless otherwise indicated.

2.5 FINISHES

- 1. Powder coating: Electrostatically applied colored powder coating heat cured to chemically bond finish to metal substrate.
- 2. Minimum hardness measured in accordance with ASTM D3363: 2H. Direct impact resistance tested in accordance with ASTM D2794: Withstand 160 inch-pounds.

3.1 INSTALLATION

- A. General: Perform cutting, drilling, and fitting required for installing railings. Set railings accurately in location, alignment, and elevation.
 - 2. Align rails so variations from level for horizontal members and variations from parallel with rake of steps and ramps for sloping
- B. Anchor posts in concrete by inserting into core-drilled holes and grouting annular space. ALTERNATE B2: REFER TO DWG. 1/B-A1.4
- 1. Immediately after erection, clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with

PENETRATION FIRESTOPPING 078413

- 1.1 SECTION REQUIREMENTS
- A. Submittals: Product Data.

2.1 PENETRATION FIRESTOPPING

- A. Provide penetration firestopping materials that are compatible with one another, substrates, and penetrating items if any.
- B. Penetrations in Fire-Resistance-Rated Walls and Horizontal Assemblies: Provide penetration firestopping with ratings determined per ASTM E 814 or UL 1479.
- C. Accessories: Provide components for each penetration firestopping system that are needed to install fill materials and to maintain ratings required. Use only those components specified by penetration firestopping manufacturer and approved by qualified testing and inspecting agency.

3.1 INSTALLATION

- A. General: Install penetration firestopping to comply with manufacturer's written installation instructions and published drawings for products and applications indicated.
 - 1. Identify penetration firestopping with preprinted metal or plastic labels. Attach labels permanently to surfaces adjacent to firestopping edge.

OSBORN ENGINEERING

SILVERI ARCHITECTS

GRETCHEN C. VALADE JAZZ CENTER - PHASE

> WAYNE STATE UNIVERSITY

> > 4743 Cass Ave Detroit, MI 48202

JOINT SEALANTS 079200

- 1.1 SECTION REQUIREMENTS
- A. Submittals: Product Data and Color Samples.

2.1 JOINT SEALANTS

- A. Compatibility: Provide joint sealants, joint fillers, and other related materials that are compatible with one another and with joint substrates under service and application conditions. B. Sealant for General Exterior Use:
- Type S; Grade NS; Class 25; and for Use NT.

2. Single-component, nonsag urethane sealant, ASTM C 920,

Surfaces in Toilet Rooms and Around Plumbing Fixtures: 1. Single-component, mildew-resistant silicone sealant, ASTM C 920, Type S; Grade NS; Class 25; for Use NT;

C. Sealant for Use in Interior Joints in Ceramic Tile and Other Hard

- formulated with fungicide. D. Sealant for Interior Use at Perimeters of Door and Window
- 1. Acrylic latex or siliconized acrylic latex, ASTM C 834, Type OP, Grade NF.

2.2 MISCELLANEOUS MATERIALS

- A. Provide sealant backings of material that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by sealant manufacturer.
- B. Cylindrical Sealant Backings: ASTM C 1330, of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance.

3.1 INSTALLATION

Frames:

- A. Comply with ASTM C 1193.
- B. Install sealant backings to support sealants during applicatio and to produce cross-sectional shapes and depths of installed sealants that allow optimum sealant movement capability.

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B-A1.9

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d. Remove tools, construction equipment, machinery, and

received primer and second coat.

- operations, immediately stop work in the area affected and report the condition to the Owner and Architect in writing. If Owner determines the hazardous materials are asbestos or PCB's, do no further work in the area until the materials are either removed or
- 2. Burning of removed materials is not permitted on project site.

- A. Control of Corrosion: Prevent galvanic action and other forms of corrosion by insulating metals and other materials from direct contact

2.1 MANUFACTURERS

- 3. Plates, Shapes, and Bars: ASTM A 36/A 36M.
- D. Anchors: Provide torque-controlled expansion anchors, fabricated
- nonmetallic grout complying with ASTM C 1107; or water-resistant, nonshrink anchoring cement; recommended by manufacturer for

- details indicated, but not less than that required to support structural
- close fit, or use fittings designed for this purpose. Weld all around at connections, including at fittings. Grind welds smooth.
- E. Brackets, Flanges, Fittings, and Anchors: Provide wall brackets,

- 3. Color: Black.
- 1. Set posts plumb within a tolerance of 1/16 inch in 3 feet.
- members do not exceed 1/4 inch in 12 feet.
- C. Adjusting and Cleaning:

HOLLOW METAL DOORS AND FRAMES 081113

- 1.1 SECTION REQUIREMENTS
- A. Submittals: Product Data.
- 2.1 HOLLOW METAL DOORS AND FRAMES
- A. Basis of Design:
- 1. Ceco Door Products
- B. Fire-Rated Doors and Frames: Labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, based on testing according to NFPA 252.
- C. Doors: 1-3/4 inches (44 mm) thick unless otherwise indicated.
- 1. Performance: Level 2 and Physical Performance Level B (Heavy Duty).
- 2. Hardware Reinforcement: Fabricate according to ANSI/SDI A250.6
- 3. Exterior Doors: Galvanized.
- Frames: ANSI A250.8; conceal fastenings unless otherwise
- 1. Steel Sheet Thickness for Interior Doors: .053 inch.
- 2. Fabricate interior frames with mitered or coped and corners knocked down for field assembly.
- 3. Frame Anchors: ASTM A 591/A 591M.

Reinforce doors and frames to receive surface-applied hardware.

Prime Finish: Manufacturer's standard.

3.1 INSTALLATION

- A. Install hollow metal frames to comply with ANSI/SDI A250.11.
 - 1. Fire-Rated Frames: Install according to NFPA 80.

DOOR HARDWARE 087100

1.1 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets. Door hardware schedule.
- 1.2 WARRANTY
- A. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.
- 1.3 HANGING DEVICES
- A. Hinges: ANSI/BHMA A156.1 certified butt hinges.

Exterior Doors: Heavy weight. Interior Doors: Standard weight. Mfr. per WSU Design Standards.

1.4 CYLINDERS AND KEYING

Per WSU Design standards.

- 1.5 MECHANICAL LOCKS AND LATCHING DEVICES ANSI Grade 2.
- 1.6 CONVENTIONAL EXIT DEVICES

Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 certified panic and fire exit hardware devices.

1.7 DOOR CLOSERS

LCN Closers (LC) - 4040 Series.

- 2.1 PREPARATION
- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- 3.1 INSTALLATION
- A. Mounting Heights:

Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."

Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."

TILING 093000

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data for each type of product indicated and Samples for tile and grout.
- 2.1 CERAMIC TILE
- A. Ceramic tile that complies with Standard grade requirements in ANSI A137.1, "Specifications for Ceramic Tile."
- 1. Tile Type CT-1: As scheduled.

2.2 INSTALLATION MATERIALS

- A. Setting and Grouting Materials: Comply with material standards in ANSI's "Specifications for the Installation of Ceramic Tile" that apply to materials and methods indicated.
 - 1. Thin-Set Mortar Type: Latex-portland cement.
 - a. TEC Full Flex Premium Thin Set Mortar.
- 2. Grout Type: Polymer modified.
 - a. TEC Power Grout Sanded. Refer to Schedule in Drawings, Sheet A.03.

3.1 INSTALLATION

- A. Comply with TCA's "Handbook for Ceramic Tile Installation" for TCA installation methods specified in tile installation schedules.
- B. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.
- C. Lay tile in grid pattern unless otherwise indicated. Align joints where adjoining tiles on floor, base, walls, and trim are the same
- D. Install cementitious backer units and treat joints according to ANSI A108.11.
- E. Interior Floor Tile Installation Method(s):
- 1. Over Concrete Subfloors: TCA F113 (thin-set mortar)
- F. Interior Wall Tile Installation Method(s):
- 1. Over Concrete and Masonry: TCA W202 (thin-set mortar).
- 2. Over Metal Studs or Furring: TCA W244 (thin-set mortar on cementitious backer units or fiber cement underlayment).

GYPSUM BOARD 092900

- 1.1 SECTION REQUIREMENTS
- A. Submittals: Product Data.

- A. Manufacturers: Subject to compliance with requirements,
 - 1. Steel Framing and Furring:
 - Clark Steel Framing Systems. Dale Industries, Inc. - Dale/Incor.
 - Unimast, Inc.
 - 2. Gypsum Board and Related Products:
- B. Provide in maximum lengths available to minimize
- C. Interior Gypsum Board: ASTM C 36/C 36M or ASTM C 1396/C 1396M, 5/8" thickness, with partitions and ceilings.
- D. Interior Toilet Room Gypsum Board: Water-Resistant Gypsum Backing Board, ASTM C 630/C 630M or ASTM C 1396/C 1396M, in thickness indicated. Type X.

2.2 ACCESSORIES

- A. Trim Accessories: ASTM C 1047, formed from galvanized or galvanized-steel sheet.
- 1. Provide cornerbead at outside corners unless otherwise indicated.
- B. Joint-Treatment Materials: ASTM C 475/C 475M.
- C. Sound-Attenuation Blankets: ASTM C 665, Type I (unfaced).
- D. Steel Drill Screws: ASTM C 1002.
 - 1. Use screws complying with ASTM C 954 for fastening panels to steel members from .033 to .122 inch thick.
- 3.1 INSTALLATION
- A. Install gypsum board to comply with ASTM C 840.
- B. Finishing Gypsum Board: ASTM C 840.
- 1. At substrates for tile, provide Level 2 finish: Embed tape and apply separate first coat of joint compound to tape, fasteners, and trim flanges.
- tape and apply separate first, fill, and finish coats of joint compound to tape, fasteners, and trim flanges.
- 3.2 STEEL SUSPENDED CEILING AND SOFFIT FRAMING
- A. Suspend ceiling hangers from building structure as follows:
 - 1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structural or ceiling suspension system.
- 2. Where width of ducts and other construction within ceiling plenum interferess with the location of hangers, install supplemental suspension members and hangers in form of trapezes or equivalent devices.
- 3. Secure wire hangers by looping and wire-tying, either directly to structures or to inserts, eye-screws, or other devices and fasteners that are secure and appropriate for substrate.
- 4. Attach hangers to structural members
- B. Installation Tolerances: Install steel framing components for suspended ceilings so members for panel attachment are level to within 1/8 inch in 12 feet (3 mm in 3.6 m).

- C. Sway-brace suspended steel framing with hangers used for
- D. Install suspended steel framing components in sizes and spacings indicated, but not less than that required by the referenced steel framing and installation standards.
 - 1. Hangers: 48 inches (1219 mm) o.c.
 - 2. Carrying Channels (Main Runners): 48 inches (1219 mm) o.c.
 - 3. Furring Channels (Furring Members): 16 inches (406 mm)

E.Grid Suspension System: Attach perimeter wall track or angle where grid suspension system meets vertical surfaces

3.3 STEEL PARTITION

- A. Install tracks (runners) at floors, ceilings, and structural walls and columns where gypsum board assemblies abut other construction:
 - 1. Where studs are installed directly against exterior walls, install asphalt-felt or foam-gasket isolation strip between
- B. Installation Tolerance: Install each steel framing and furring member so fastening surfaces vary not more than 1/8 inch from the plane formed by the faces of adjacent framing.
- C. Extend partition framing full height to structural supports or substrates above suspended ceilings, except where partitions are indicated to terminate at suspended ceilings. Continue framing over frames for doors and openings and frame around ducts penetrating partitions above ceiling to provide support for gypsum board.
 - 1. Cut studs 1/2 inch short of full height to provide perimeter relief.
 - 2. For fire-resistance-rated and STC-rated partitions that extend to the underside of floor/roof slabs and decks or other continuous solid-structure surfaces to obtain ratings, install framing around structural and other members extending below floor/roof slabs and decks, as needed to support gypsum board closures and to make partitions continuous from floor to underside of solid structure.

D. Install steel studs and furring in sizes and spacings indicated, but not less than that required by AISI S240 steel framing and installation standards.

- 1. Single-Layer Construction: 16 inches (406 mm) o.c., unless otherwise indicated.
- 2. Multilayer Construction: 16 inches (406 mm) o.c., unless otherwise indicated.
- 3. Cementitious Backer Units: 16 inches (406 mm) o.c., unless otherwise indicated

E.Frame door openings to comply with GA-600 and with gypsum board manufacturer's applicable written recommendations, unless otherwise indicated. Screw vertical studs at jambs to jamb anchor clips on door frames; install runner track section (for cripple studs) at head

- 1. Install two studs at each jamb.
- 2. Install cripple studs at head adjacent to each jamb stud, with a minimum 1/2-inch (13-mm) clearance from jamb stud to allow for installation of control joint.
- 3. Extend jamb studs through suspended ceilings and attach to underside of floor or roof structure above.

F.Frame openings other than door openings the same as required for door openings, unless otherwise indicated. Install framing below sills of openings to match framing required above door heads. G. Z-Furring Members:

- 1. Erect insulation vertically and hold in place with Z-furring members spaced 24 inches o.c.
- 2. Securely attach narrow flanges of furring members to wall with concrete stub nails, screws designed for masonry attachment, or powder-driven fasteners spaced 24 inches

PAINTING 099100

- 1.1 SUBMITTALS
- A. Product Data: For each paint system indicated.
- 1.3 QUALITY ASSURANCE
- A. Paint exposed surfaces. If a color of finish, or a surface is not specifically mentioned, Owner Representative will select from standard products, colors and sheens available.
- B. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels unless indicated.

1.5 EXTRA MATERIALS

- A. Furnish Owner with an additional one percent of each material and color, but not less than 1 gal (3.8 l) or 1 case, as appropriate.
- 2.1 MANUFACTURERS
- A. Available Manufacturers: Sherwin-Williams Owner approved equal
- 2.2 APPLICATIONS/SCOPE
- A. Primers: Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.
- B. Color: Refer to Finish Schedule for paint colors, and as selected.

Low Sheen Finish:

2.4 INTERIOR PAINT SYSTEMS

Latex Systems:

- A. DRYWALL (Walls, Ceilings, Gypsum Board and similar items)
 - 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28W2600 (4 mils wet, 1.5
 - mils dry). 2nd Coat: S-W ProMar 200 Zero VOC Latex
 - Low Sheen Enamel, B24-2600 Series. 3rd Coat: S-W ProMar 200 Zero VOC Latex Low Sheen Enamel, B24-2600 Series (4 mils wet,

3.1 INSTALLATION

A. Do not begin installation until substrates have been properly prepared.

1.6 mils dry per coat).

B. Wall and trim paint to be 2 coats of the highest quality paint over primer as recommended by the manufacturer, free of runs and drips, with straight cuts. colors per owner representative schedule.

OSBORN ENGINEERING

SILVERI ARCHITECTS

GRETCHEN C. VALADE JAZZ CENTER - PHASE

> **WAYNE STATE** UNIVERSITY

> > 4743 Cass Ave Detroit, MI 48202

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ARCHITECTURAL SPECIFICATIONS

DRAWING NO.

B-A1.10

- 2.1 PANEL PRODUCTS
- provide products by one of the following:
 - Dietrich Industries, Inc. National Gypsum Company
 - Western Metal Lath & Steel Framing Systems.
 - American Gypsum Co. G-P Gypsum Corp. Lafarge North America Inc. National Gypsum Company United States Gypsum Co. (USG Corp.)
- end-to-end butt joints.
- manufacturer's standard edges. Type X at all metal framed

- aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced
- 2. Provide LC-bead (J-bead) at exposed panel edges.
- 1. Level 5 finish.

- 2. Unless otherwise indicated, provide Level 4 finish: Embed

GENERAL CONDITIONS:

- 1. SEE DRAWINGS AND NOTES FOR QUALITY OF CONSTRUCTION REQUIRED, QUALITY OF WORK, MANUFACTURING AND INDUSTRY STANDARDS, PHYSICAL PROPERTIES OF MATERIALS, CONFORMANCE TO CODES AND REGULATIONS GUARANTEE AND WARRANTY
- 2. SEE ARCHITECTURAL, HVAC, PLUMBING, ELEVATOR, FIRE PROTECTION & ELECTRICAL DRAWINGS FOR OTHER PERTINENT INFORMATION RELATED TO STRUCTURAL WORK AND COORDINATE AS REQUIRED. CONTRACTOR SHALL COORDINATE STRUCTURAL DRAWINGS WITH ALL OTHER DRAWINGS WITHIN THE CONTRACT DOCUMENTS.
- 3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS RELATED TO EXISTING CONDITIONS, EXISTING SERVICES, AND THE SITE BEFORE BEGINNING WORK.
- 4. CONSTRUCTION LOADS SHALL NOT EXCEED DESIGN LIVE LOADS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DESIGN REQUIRED TO SUPPORT CONSTRUCTION EQUIPMENT USED IN CONSTRUCTING THIS PROJECT. ALL EQUIPMENT SUPPORT DESIGN SHALL BE PERFORMED BY AN ENGINEER LICENSED IN THE STATE OF THE PROJECT. SHORING AND RESHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 5. IF MATERIALS, QUANTITIES, STRENGTHS, OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES, THE BETTER QUALITY AND/OR GREATER QUANTITY, STRENGTH, OR SIZE INDICATED, SPECIFIED OR NOTED SHALL BE PROVIDED.
- 6. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE FOLLOWING ITEMS THAT WILL NOT BE REVIEWED BY THE OWNER. ARCHITECT OR ENGINEER.
 - a. DEVIATIONS FROM CONTRACT DOCUMENTS.
 - b. DIMENSIONS, ELEVATIONS, AND CONDITIONS TO BE CONFIRMED AND CORRELATED AT THE SITE
 - c. FABRICATION PROCESS INFORMATION.
 - d. MEANS, METHODS, TECHNIQUES, PROCEDURES OF CONSTRUCTION, AND CONSTRUCTION SAFETY.
- a COORDINATION OF THE WORK OF AL
- e. COORDINATION OF THE WORK OF ALL TRADES.
- f. QUALITY ASSURANCE SUBMITTALS.
- THE INFORMATION SHOWN ON THE ARCHITECTURAL AND STRUCTURAL CONSTRUCTION DOCUMENTS IS BASED ON ASSUMPTIONS OF THE EXISTING CONDITIONS. EXISTING DOCUMENTS WERE NOT AVAILABLE FOR THE PREPARATION OF THESE DOCUMENTS. THE CONTRACTOR IS TO NOTIFY THE A/E IF CONDITIONS DIFFERING FROM THOSE STATED ARE UNCOVERED IN THE DEMOLITION PROCESS.
- 8. ANY CHANGES TO THE STRUCTURAL SYSTEMS SHALL BE REDESIGNED BY A PROFESSIONAL ENGINEER AT NO COST TO THE OWNER OR THE A/E AND SUBMITTED TO THE A/E FOR REVIEW. SUBMITTAL SHALL BE ACKNOWLEDGED IN WRITING BEFORE BEGINNING CONSTRUCTION. IF CHANGES ARE MADE WITHOUT WRITTEN APPROVAL SUCH CHANGES SHALL BE THE LEGAL AND FINANCIAL RESPONSIBILITY OF THE PARTY MAKING THE CHANGE TO REPLACE OR REPAIR THE CONDITION AS DIRECTED BY THE A/E.

RETAINING WALL DESIGN CRITERIA:

- 1. FOUNDATION DESIGN IS BASED ON AN ASSUMED 1500 PSF BEARING PRESSURE
- MOIST SOIL DENSTITY = 135 PCF
 SOIL DENSITY = 115 PCF
- 4. LIVE LOAD SURCHARGE = 100 PSF

BUILDING DESIGN CRITERIA:

GOVERNING CODE: 2015 MICHIGAN BUILDING CODE IN CONJUNCTION WITH ASCE 7-10 RISK CATEGORY:

	V LOAD:	
	GROUND SNOW LOAD, Pg:	20 PSF
	FLAT ROOF SNOW LOAD, Pf:	20 PSF
	SNOW EXPOSURE FACTOR, Ce:	1.0
	SNOW IMPORTANCE FACTOR	1. ⁻
	THERMAL FACTOR, Ct:	1.2
	SNOW DRIFT:	PER ASCE-7
WIND	LOAD:	
	ULTIMATE DESIGN WIND SPEED (Vult):	115 MPH
	NOMINAL DESIGN WIND SPEED (Vasd):	90 MPH
	RISK CATEGORY	
	WIND EXPOSURE	E
	INTERNAL PRESSURE COEFFICIENT	+/-0.18
	COMPONENTS AND CLADDING:	PER ASCE 7-10
SEISN	MIC LOAD:	
	RISK CATEGORY:	
	SEISMIC IMPORTANCE FACTOR	1.0
	SITE SPECTRAL RESPONSE ACCELERATION (Ss)	0.103g
	SITE SPECTRAL RESPONSE ACCELERATION (S1)	0.046
	SEISMIC SITE CLASS	C
	DESIGN SPECTRAL RESPONSE ACCELERATION (Sds)	0.11g
	DESIGN SPECTRAL RESPONSE ACCELERATION (Sd1)	0.073g
	SEISMIC DESIGN CATEGORY	Д
	LATERAL FORCE RESISTING SYSTEMORDINARY REINFORCED CON	IC SHEER WALLS
	SEISMIC BASE SHEAR (V)	083W KIPS
	SEISMIC RESPONSE COEFFICIENT (Cs)	0.083

FOUNDATIONS:

- 1. THE GENERAL CONTRACTOR AND THE FOUNDATION CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE SITE AND EXISTING CONDITIONS BEFORE STARTING CONSTRUCTION
- 2. NOTIFY THE A/E AND OWNER'S REPRESENTATIVE OF ANY UNUSUAL SOIL CONDITION THAT ARE IN VARIANCE WITH TEST BORINGS, SUCH AS SPRING OR SEEPAGE WATER ENCOUNTERED, OR WHEN A DIFFERENT BEARING MATERIAL IS EVIDENT AND THERE IS A QUESTION OF THE BEARING CAPACITY.
- 3. SET FOUNDATION AT ELEVATION SHOWN, OR ON FIRM UNDISTURBED MATERIAL OF DESIGN BEARING CAPACITY, WHICHEVER IS LOWER. THE GEOTECHNICAL ENGINEER SHALL VERIFY THAT EACH FOOTING PLACED IS BEARING ON DESIGN MATERIAL.
 - a. ALL SOIL SURROUNDING AND UNDER ALL FOOTINGS, FLOOR SLABS, ETC. SHALL BE PROTECTED FROM FREEZING AND FROST ACTION DURING CONSTRUCTION.
- b. WHERE FOOTINGS ARE IN CLOSE PROXIMITY OF SEWERS, DRAINS CONDUITS UNDER FLOOR PIPES, ETC, BOTTOM OF ALL FOOTINGS SHALL BE AT OR BELOW INVERT ELEVATIONS OF ELEMENTS NOTED HEREIN.
- 4. STEP FOOTINGS AT A RATIO OF ONE (1) VERTICAL TO TWO (2) HORIZONTAL, WITH A MAXIMUM VERTICAL STEP OF 2'-0". UNLESS NOTED OTHERWISE.
- 5. SITE PREPARATION, STRIPPING, PROOF ROLLING, FILLING AND BACKFILLING SHALL BE DONE IN COMPLIANCE WITH PROJECT GENERAL NOTES AND IN CONJUNCTION WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINNER. ALL FILL MATERIAL SHALL MEET THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
- 6. INUNDATION AND LONG TERM EXPOSURE OF BEARING SURFACES, WHICH WILL RESULT IN DETERIORATION OF BEARING FORMATIONS. SHALL BE PREVENTED. EXCAVATION TO FINAL BEARING ELEVATION SHALL NOT BE MADE UNTIL JUST PRIOR TO PLACING FOUNDATIONS.
- 7. BACKFILLING AGAINST FOUNDATION/BASEMENT WALLS SHALL NOT BE PERMITTED UNTIL THE SUPPORTING FLOORS ARE IN PLACE AND ARE ABLE TO RESIST THE IMPOSED LATERAL FORCES. EXCEPT FOR CANTILEVER RETAINING WALLS OR UNLESS NOTED OTHERWISE ON DRAWINGS, THE WALLS ARE SUPPORTED BY THE FLOOR ABOVE AND BELOW. PROPER TEMPORARY BRACING MAY BE USED IN LIEU OF THE FLOOR SUPPORT BASED UPON THE DESIGN BY A PROFESSIONAL ENGINEER. THE DESIGN OF TEMPORARY BRACING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 8. BACKFILL AND FILL MATERIALS SHALL BE FREE OF DEBRIS, WASTE, FROZEN MATERIAL, ORGANIC, AND OTHER DELETERIOUS MATTER.
 - a. POROUS FILL (SUB-BASE FOR SLAB-ON-GRADE) SHALL BE CRUSHED LIMESTONE COMPACTED, (MINIMUM 4" THICK UNDER FLOOR SLABS). GRADATION SHALL CONFORM WITH ASTM C33 SIZE #57.
 - b. DRAINAGE FILL SHALL BE WASHED. UNIFORMLY GRADED MIXTURE OF CRUSHED STONE OR UNCRUSHED GRAVEL AT EXTERIOR WALLS AND RETAINING WALL HAVING THE FOLLOWING GRADATION:

SIEVE SIZE	TOTAL % PASS
1"	100.
3/4"	90-100
3/8"	20-55
No. 4	0-10
No. 8	0-5

- c. WELL GRADED GRANULAR MATERIAL (#8) SHALL CONFORM WITH ASTM C33.
- ALL EXCAVATIONS ARE SUBJECT TO THE APPROVAL OF THE OWNER AND TESTING AGENCY WHO SHALL BE CONSULTED WHEN POOR SOIL, WATER, OBSTRUCTIONS, PIPING, ADJACENT SEWERS, EXISTING FOOTINGS, EXCAVATIONS, ETC. ARE ENCOUNTERED.

GEOTECHNICAL REPORT:

- 1. A SOILS REPORT HAS NOT BEEN COMPLETED FOR THIS PROJECT.
- 2. FOUNDATION DESIGN IS BASED ON AN ASSUMED 1500 PSF BEARING PRESSURE ON FIRM UNDISTURBED SOIL. SEE FOUNDATION SECTION OF GENERAL NOTES FOR MORE INFORMATION.

EXCAVATION:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDANCE AND CLEANUP OF STREET SPILLAGE OF EXCAVATED OR BACKFILL MATERIALS ENTERING OR LEAVING THE SITE. CLEANUP OF MAJOR SPILLS SHALL BE COMPLETED IMMEDIATELY. OTHER SPILLS SHALL BE CLEANED, AT A MINIMUM, DAILY. ALL CLEANUP SHALL BE COMPLETED TO THE FULL SATISFACTION OF THE OWNER AND CONSTRUCTION MANAGER.
- 2. THE CONTRACTOR SHALL PROPERLY MOISTEN SURFACES AS REQUIRED TO PREVENT SOILS FROM BECOMING AIRBORNE AND CREATING A NUISANCE TO NEIGHBORING FACILITIES, THE PUBLIC, AND ANY CONCURRENT WORK ACTIVITIES. THE FINAL DETERMINATION OF THE SUCCESS OF DUST CONTROL MEASURES SHALL BE THE OWNER AND CONSTRUCTION MANAGER.
- 3. ANY SITE DE-WATERING NECESSARY TO MAINTAIN A SAFE AND EFFICIENT EXCAVATION EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 4. ALL WORK SHALL BE EXECUTED AND INSPECTED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES, RULES, ORDINANCES, AND REGULATIONS PERTAINING TO SITE EXCAVATION, FILL, AND SHORING ACTIVITIES.
- ALL SITE GRADING SHALL BE SLOPED AS NOTED ON THE DRAWINGS, OR AT A SHALLOWER SLOPE IF REQUIRED TO PROTECT WORKERS AND WORK IN PROGRESS FROM SOIL SLIPPAGE. ALL EXCAVATION ACTIVITIES SHALL BE COMPLETED IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) REQUIREMENTS AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
- 6. ANY SHARP OR LARGE OBJECTS PROTRUDING ABOVE THE FINAL ROUGH GRADE SHALL BE REMOVED. RESULTING HOLES SHALL BE FILLED WITH SELECT FILL MEETING THE REQUIREMENTS AS SET IN THE PROJECT SPECIFICATIONS.
- 7. ALL EXCESS EXCAVATED MATERIALS THAT ARE NOT REUSABLE SHALL BE REMOVED FROM THE SITE PROPERLY AND LEGALLY DISPOSED AT AN OFF SITE LOCATION.
- 8. MUD-MATTING MAY BE REQUIRED TO PROVIDE STABLE SURFACE FOR FORMING AND PLACEMENT OF REINFORCING STEEL AND SUBSEQUENTLY PLACEMENT OF CONCRETE.

CAST-IN-PLACE CONCRETE:

- 1. CAST-IN-PLACE CONCRETE WORK SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE CODES AND STANDARDS. ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE" IS HEREBY MADE A PART OF THESE DRAWINGS. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301, EXCEPT AS EXPLICITLY MODIFIED HEREIN.
- 2. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318, "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
- 3. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS:
- a. 4000 PSI WITH A MAXIMUM WATER/CEMENT RATIO = 0.45 AND WITH AN ENTRAINED AIR ADMIXTURE CONFORMING WITH ASTM C260 FOR ALL CONCRETE PERMANENTLY EXPOSED TO THE WEATHER. THE AMOUNT OF ENTRAINED AIR SHALL BE 6% ± 1%. SLABS ON GRADE TO RECEIVE 1.5 LB/CUBIC YARD OF SYNTHETIC FIBERS (.75" TO 1.5" LONG).
- b. 4000 PSI WITH A MAXIMUM WATER/CEMENT RATIO = 0.45 FOR FOUNDATIONS.
- 4. WELDED WIRE FABRIC: ASTM A82 AND A185 FOR SMOOTH STEEL WIRE
- 5. REINFORCING BARS: ASTM 615, GRADE 60 (U.N.O.) WELDING OR TACK WELDING A615 BARS SHALL NOT BE PERMITTED.
- 6. REINFORCING BARS FOR WELDED APPLICATIONS SHALL CONFORM WITH A706, 60KSI YIELD STRENGTH.
- 7. ALL WELDED WIRE FABRIC SHALL BE CHAIRED TO ITS PROPER HEIGHT AND MAINTAINED AT THE PROPER LEVEL THROUGHOUT THE CONCRETE PLACING OPERATION. LIFTING OF WELDED WIRE FABRIC WITH A HOOK DURING CONCRETE PLACEMENT SHALL NOT BE
- 8. BEND ALL HORIZONTAL WALL AND BEAM BARS AROUND ALL CORNERS, UNLESS OTHERWISE NOTED. PROVIDE ACI LAP EACH SIDE.
- REINFORCING BARS REQUIRED FOR PROPER SUPPORT OF PRINCIPAL REINFORCING SHALL BE DETAILED AND SUPPLIED BY THE CONTRACTOR WHETHER OR NOT THEY ARE INDICATED ON THE DRAWINGS. THE MINIMUM BAR SIZE SHALL BE #4 AND THE MAXIMUM SPACING SHALL BE 36" ON CENTER FOR ALL BARS THAT NEED SUPPORT. WELDED WIRE FABRIC SHALL NOT BE USED FOR THE SUPPORT OF PRINCIPAL REINFORCING.
- 10. PROVIDE CORROSION RESISTANT ACCESSORIES SUCH AS GRAY PLASTIC CHAIRS OR CHAIRS WITH PLASTIC COATED TIPS, IN ALL EXPOSED CONCRETE CONSTRUCTION.
 PRECAST CONCRETE CUBES OR SAND PLATE CHAIRS SHALL BE USED FOR THE SUPPORT OF REINFORCING ON GRADE. CONCRETE BLOCK OR CLAY MASONRY BRICK ARE NOT PERMITTED.
- 1. NO CONCRETE SHALL BE PLACED UNTIL THE PROPOSED CONCRETE MIX AND TEST HAVE BEEN SUBMITTED TO AND REVIEWED BY THE ARCHITECT AND AFTER THE CONTRACTOR HAS RECEIVED WRITTEN ACKNOWLEDGEMENT.
- 12. ALL CEMENT SHALL BE TYPE I OR TYPE III, BLENDED CEMENTS SHALL NOT BE USED.
- 3. CONCRETE SHALL BE DISCHARGED AT THE SITE WITHIN 1 1/2 HOURS AFTER WATER HAS BEEN ADDED TO THE CEMENT AND AGGREGATES, ADDITION OF WATER TO THE MIX AT THE PROJECT SITE WILL NOT BE PERMITTED. ALL WATER MUST BE ADDED AT THE BATCH PLANT. SLUMP MAY BE ADJUSTED ONLY THROUGH THE USE OF ADDITIONAL WATER REDUCING ADMIXTURE OR HIGH RANGE WATER REDUCING ADMIXTURE.
- 14. ALL CONCRETE SHALL CONTAIN A WATER REDUCING ADMIXTURE CONFORMING TO ASTM C494, TYPE A, F OR G.
- 15. CALCIUM CHLORIDE SHALL NOT BE PERMITTED NOR SHALL ANY ADMIXTURE CONTAINING CALCIUM CHLORIDE BE PERMITTED.
- 16. ALL CONCRETE EXPOSED TO THE WEATHER OR IN A LOCATION VULNERABLE TO DEICERS SHALL CONTAIN AN AIR-ENTRAINED ADMIXTURE CONFORMING TO ASTM C260. THE AMOUNT OF ENTRAINED AIR SHALL BE 6% ±1.0%.
- 17. PROVIDE CONSTRUCTION JOINTS IN ACCORDANCE WITH ACI 318. SUBMIT DRAWINGS SHOWING SEQUENCE AND DIRECTION OF POUR TO PERMIT SLAB SHRINKAGE FOR ENGINEER'S REVIEW.
- 18. ALL CONSTRUCTION JOINTS BELOW GRADE SHALL HAVE WATERSTOPS, UNLESS NOTED OTHERWISE.
- 19. 3/4" CHAMFER FOR EXPOSED EDGES OF CONCRETE UNO.
- 20. VERIFY WITH ARCHITECTURAL DRAWINGS FOR TOP OF STRUCTURAL SLAB, BONDED TOPPING, WEARING SLAB AND SLAB ON GRADE ELEVATIONS.
- 21. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF SPECIAL FINISHES OR TREATMENTS TO CONCRETE.
- 2. COORDINATE ALL WORK RELATED TO OWNER-SUPPLIED EQUIPMENT OR EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR BY USING ONLY CERTIFIED EQUIPMENT DRAWINGS.
- 23. DETERMINE SIZE AND LOCATION OF MECHANICAL EQUIPMENT, AND MAKE PROVISIONS FOR BOLTS, SLEEVES, PADS, OPENINGS, DRAINS, ANCHOR RODS AND EMBEDDED ITEMS ETC. IN ACCORDANCE WITH THE MANUFACTURER'S CERTIFIED DRAWINGS. THIS WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED.
- 24. PROVIDE SAWCUT CONTROL JOINTS IN ALL SLABS ON GRADE. THE MAXIMUM SPACING OF JOINTS SHALL BE 36 TIMES THE SLAB THICKNESS IN BOTH DIRECTIONS, UNLESS OTHERWISE NOTED. VERIFY CONTROL JOINT LOCATIONS WITH ARCHITECT.
- 25. PROVIDE BOND BREAKER BETWEEN MASONRY BEARING WALLS AND ALL CAST-IN-PLACE CONCRETE SLABS AND BEAMS UNO.
- 26. OPENINGS:
 - a. OPENINGS SHOWN ARE FOR BIDDING PURPOSES ONLY. RECONCILE THEIR EXACT SIZES AND LOCATIONS WITH HVAC, PLUMBING, AND OTHER REQUIREMENTS BEFORE PROCEEDING WITH WORK.
 - ALL SLAB OPENINGS SHALL BE LOCATED WITHIN THE MIDDLE HALF OF THE SPAN IN EACH DIRECTION UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER.
- c. OPENINGS SHALL NOT BE PROVIDED IN FRAMED SLABS, BEAMS, JOISTS, COLUMNS, AND WALLS UNLESS SHOWN ON STRUCTURAL DRAWINGS. IF ANY OPENING NOT SHOWN ON THE PLANS IS REQUIRED, SECURE APPROVAL OF THE A/E BEFORE PROCEEDING.
- d. PROVIDE 1/2 NUMBER OF BARS INTERRUPTED PLUS ONE TYPICAL EACH FACE OF OPENING. PROVIDE TWO #5 BARS AROUND ALL SLAB AND WALL OPENINGS, EXTENDING 2'-0" BEYOND OPENING IN EVERY DIRECTION UNLESS NOTED. OPENINGS NOT EXCEEDING 16" x16" MAY BE SLEEVED AS REQUIRED BY WORKING THE REINFORCING STEEL AROUND THEM.
- 27. REINFORCING BAR LAP SPLICES AND ANCHORAGE LENGTH SHALL CONFORM WITH TABLE MINIMUM LAP SPLICE AND ANCHORAGE DIMENSION TABLE AS PROVIDED WITHIN THESE GENERAL NOTES.
- 28. MECHANICAL BAR SPLICE DEVICES THAT PROVIDE A FULL TENSION SPLICE WITH A

CAPACITY OF 125 PERCENT OF THE BAR YIELD STRENGTH MAY BE USED. ALL SPLICES SHALL BE VISUALLY INSPECTED BY A QUALIFIED INSPECTOR TO VERIFY THAT THE SPLICE HAS BEEN MADE PROPERLY.

- 29. BONDBREAKER MATERIAL SHALL BE 30 POUND FELT PAPER.
- 30. CONCRETE FIELD QUALITY CONTROL:
- a. THE OWNER SHALL EMPLOY A TESTING LABORATORY TO TAKE AND TEST CONCRETE CYLINDERS, PERFORM SLUMP TESTS, PERFORM TESTS FOR AIR CONTENT, AND TO PERFORM STRENGTH TESTS IN ACCORDANCE WITH ASTM C39.
- MINIMUM OF THREE CYLINDERS SHALL BE TAKEN FOR EACH 50 CU YD OF CONCRETE OR FRACTION THEREOF FOR EACH STRENGTH AND TYPE OF CONCRETE BEING CAST THAT DAY.
- c. NO CONCRETE SHALL BE PLACED THAT DOES NOT MEET SLUMP OR AIR CONTENT REQUIREMENTS. ALL TESTS FOR AIR CONTENT SHALL BE MADE BY THE PRESSURE METHOD. SLUMP TESTS SHALL BE TAKEN AT EACH 20 CU YD OF CONCRETE BEING
- d. SLUMP EXCEEDING THE SPECIFIED MAXIMUM, WHEN OCCURRING IN 2 CONSECUTIVE TESTS MADE ON DIFFERENT PORTIONS OF THE SAME SAMPLE, WILL BE CAUSE FOR REJECTION OF THAT TRUCKLOAD AND SHALL BE REPORTED TO THE A/E IMMEDIATELY. THE REPLACEMENT OF SUCH CONCRETE WITH THE SPECIFIED CONCRETE SHALL BE DONE AT NO ADDITIONAL EXPENSE TO THE OWNER.
- e. THE CONCRETE TEST REPORTS SHALL CONTAIN THE FOLLOWING INFORMATION:
 CONCRETE SUPPLIER, QUANTITY OF CONCRETE REPRESENTED, LOCATION OF ALL
 SAMPLES TAKEN, STRENGTH REQUIREMENT IN PSI AT 28 DAYS, LIST OF ALL
 MATERIALS USED (QUANTITY, AND BRAND OR SOURCE), ACTUAL SLUMP, ACTUAL AIR
 CONTENT PERCENT BY VOLUME, AIR TEMPERATURE, CONCRETE TEMPERATURE,
 WEATHER, CYLINDER WEIGHT AS RECEIVED, AIR_DRIED UNIT WEIGHT FOR
 LIGHTWEIGHT CONCRETE, DATE MOLDED, NUMBER OF DAYS ON JOB SITE, DATE
 TESTED, TEST RESULTS FOR 7 AND 28 DAYS AGE, AND ANY OTHER INFORMATION
 NECESSARY TO EVALUATE TESTS. TWO COPIES OF THESE REPORTS SHALL BE SENT
 DIRECTLY TO THE A/E OR THE OWNER.

REINFORCING BAR CLEARANCE TABLE							
LOCATION	CLEARANCE						
CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH OR MUD SLAB	3"						
COLUMNS AND PIERS (VERT REINF)	2"						
COLUMN TIES	1 1/2"						
WALLS INTERIOR FACE	1"						
WALLS EXTERIOR FACE #5 AND SMALLER	1 1/2"						
WALLS EXTERIOR FACE #6 AND LARGER	2"						
CURBS	1 1/2"						
SLABS ON DECK (WWF)	1"						
SLABS ON GRADE (WWF)	1/3 SLAB THICKNESS FROM TOP OF SLAB						

REINFORCING LAP LENGTH SCHEDULES

		F'c =	400	00 P	RMAL WEIGHT							
	T	OP BA	۹R LI	ENG	TH (I	N.)	OTHER BAR LENGTH (IN.)					
BAR		C	GOR	Υ		CATEGORY						
SIZE	1	2	3	4	5	6	1	2	3	4	5	6
3	18	18	18	18	18	18	16	16	16	16	16	16
4	26	24	24	24	24	24	20	19	19	19	19	19
5	40	32	30	30	30	30	31	25	23	23	23	23
6	57	45	40	36	36	36	44	35	31	28	28	28
7	77	62	54	43	42	42	59	48	42	33	33	33
8	102	81	71	57	51	48	78	63	55	44	39	37
9	129	103	90	72	64	55	99	79	69	56	50	42
10	163	131	114	92	82	65	126	101	88	70	63	50
11	200	160	140	112	100	80	154	123	108	86	77	62
CATEGORY DETERMINATION TABLE FOR SCHEDULES ABOVE CENTER TO CENTER BAR SPACING										Έ		
CONCR COVE		<u>≤</u> 3d	> 3d < 4d	-	4d 6d	<u>></u> 6d	STRUCTURAL ELEMENTS					
< d		1	3		5	6				IN BEA LLS ANI		

ALL OTHER REINFORCING BARS

ALL OTHER REINFORCING BARS

d = NOMINAL BAR DIAMETER



GRETCHEN C. VALADE JAZZ CENTER - PHASE IV

WAYNE STATE UNIVERSITY

4743 Cass Ave Detroit, MI 48202

TAG ISSUED DATE

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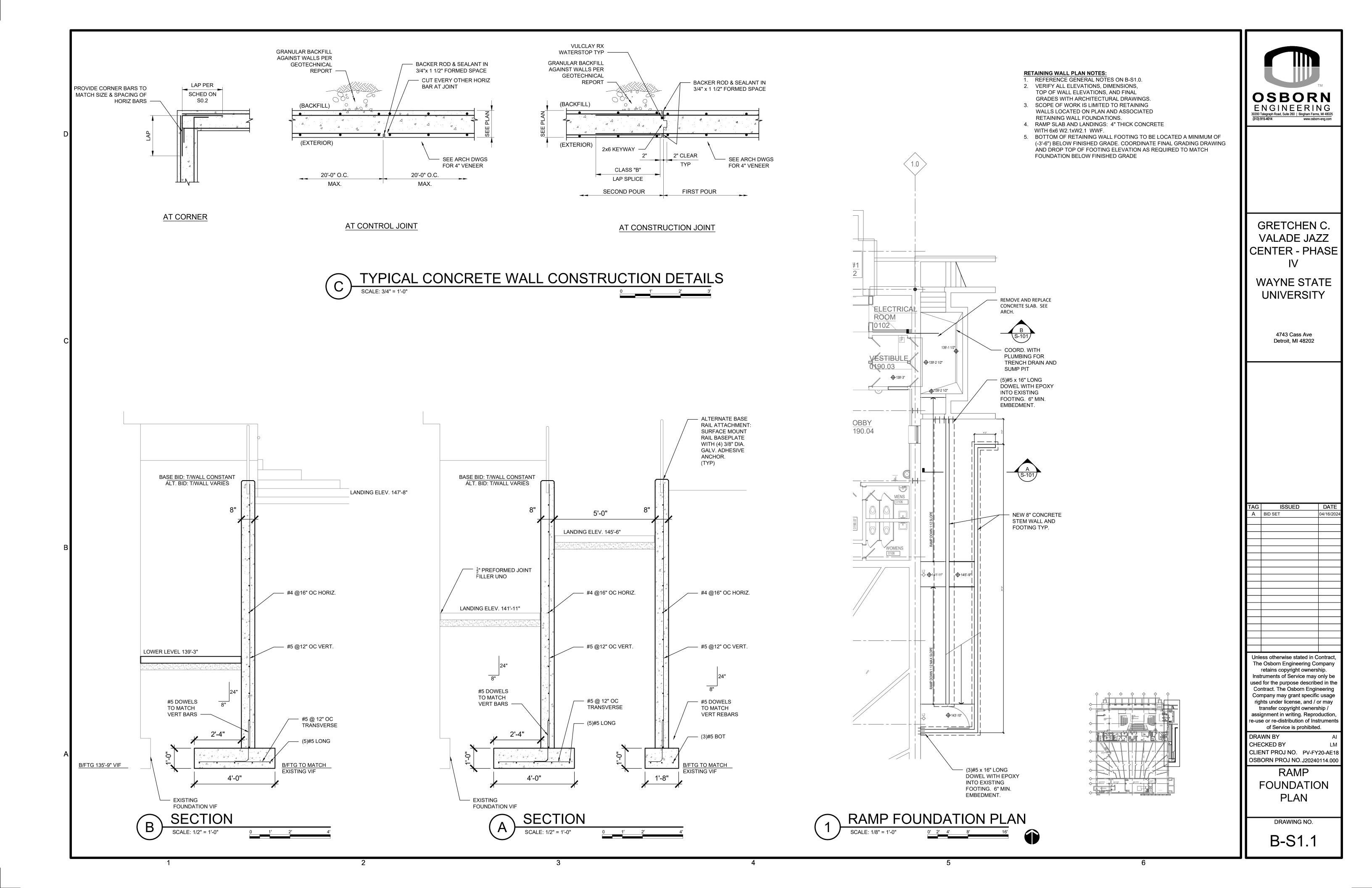
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B-S1.0

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GENERAL MECHANICAL NOTES:

- I. REFRIGERANT LINES SHOWN ARE DIAGRAMMATIC AND FOR SUGGESTED ROUTING ONLY. THE MECHANICAL CONTRACTOR SHALL PROVIDE REFRIGERANT LINE SIZES, FINAL LAYOUT, AND REQUIRED ACCESSORIES (SUCH AS SIGHT GLASS, EXPANSION VALVES, FILTER-DRIER, LIQUID LINE TRAPS, SUCTION ACCUMULATOR, ETC.) IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 2. FOR NATURAL GAS PIPING, SEE PLUMBING DRAWINGS.
- 3. FOR EXACT LOCATION OF DIFFUSERS AND GRILLES, SEE ARCHITECTURAL REFLECTED CEILING PLANS.
- 4. FOR ROOF PENETRATION DETAILS SEE ARCHITECTURAL AND STRUCTURAL DWGS.
- 5. FLEX DUCTWORK TO DIFFUSERS SHALL MATCH NECK SIZE OF DIFFUSER WHERE INDICATED.
- 6. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE HVAC SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY STATE AND LOCAL CODES.
- 7. INSTALL ALL NEW WORK IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- 8. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE BEST APPROXIMATES ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL HAVE THE APPROVAL OF THE ENGINEER BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS.
- 9. COORDINATE CONSTRUCTION OF ALL HVAC WORK WITH ARCHITECTURAL, STRUCTURAL, PLUMBING, CIVIL, ELECTRICAL, TECHNOLOGY, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
- 10. ALL HVAC WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO OWNER.
- 11. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE TO UNDERSIDE OF PIPES AND SUSPENDED EQUIPMENT THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- 12. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
- 13. ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION SHALL BE FURNISHED AND INSTALLED BY THE HVAC CONTRACTOR.
- 14. COORDINATE ACCESS PANEL LOCATIONS FOR INSTALLATION IN WALLS AND CEILINGS, WHERE REQUIRED, TO SERVICE VALVES, FIRE DAMPERS, VAV BOXES, AND OTHER CONCEALED HVAC EQUIPMENT.
- 15. ALL EQUIPMENT, PIPING, ETC. SHALL BE SUPPORTED AS REQUIRED TO PROVIDE A VIBRATION FREE INSTALLATION.
- 16. PROVIDE FLEXIBLE CONNECTIONS IN ALL PIPING SYSTEMS CONNECTED TO PUMPS AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AS CLOSE TO THE EQUIPMENT AS POSSIBLE OR AS INDICATED ON THE DRAWINGS.
- 17. ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURAL STEEL SHALL BE COORDINATED WITH GENERAL CONTRACTOR. ALL ATTACHMENTS TO STEEL BAR JOISTS, TRUSSES, OR JOIST GIRDERS SHALL BE AT PANEL POINTS. SEE STRUCTURAL NOTES ON SHEET SF-001 AND SPECIFICATION SECTION 22 05 29 FOR REQUIRED PRODUCTS AND INSTALLATION OF HANGERS AND SUPPORTS. HVAC EQUIPMENT AND PIPING SHALL NOT BE SUPPORTED FROM METAL DECK.
- 18. CONTRACTOR TO INFORM THE STRUCTURAL ENGINEER IN WRITING OF ANY SUSPENDED LOAD IN EXCESS OF 400 POUNDS.
- 19. PROVIDE SHUTOFF VALVES IN ALL HEATING WATER PIPING SYSTEM BRANCHES BETWEEN FLOOR LEVELS AND AT BRANCHES SERVING THREE OR MORE PIECES OF EQUIPMENT IN ADDITION TO ANY AREAS SHOWN ON PLANS.
- 20. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
- 21. WATER AND DRAIN PIPING SHALL NOT BE RUN THROUGH OR ABOVE ELECTRICAL SWITCH GEAR OR ROOMS, TECHNOLOGY ROOMS, OR TELEPHONE ROOMS.
- 22. IF THERE IS ANY DEVIATION BETWEEN THE SPECIFICATIONS AND DRAWINGS THE CONTRACTOR SHALL ADHERE TO THE MORE STRINGENT CONDITION.
- 23. CONCRETE HOUSEKEEPING PADS TO SUIT MECHANICAL EQUIPMENT SHALL BE SIZED AND LOCATED BY THE CONTRACTOR. MINIMUM CONCRETE PAD THICKNESS SHALL BE 4 INCHES. PAD SHALL EXTEND BEYOND THE EQUIPMENT A MINIMUM OF 4 INCHES ON EACH SIDE. CONCRETE HOUSEKEEPING PADS SHALL BE PROVIDED BY THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE SIZE AND LOCATION OF CONCRETE HOUSEKEEPING PADS.
- 24. EXHAUST ONLY ROOMS SUCH AS JANITORS CLOSETS, ELECTRICAL CLOSETS, AND STORAGE ROOMS SHALL HAVE DOOR UNDERCUTS OF 5/8" FOR MAKEUP AIR INDICATED WITH FLOW ARROW ON PLANS. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- 25. WHERE MULTIPLE MANUFACTURERS ARE NAMED THE DRAWINGS AND SPECIFICATIONS ARE BASED ON THE REQUIREMENTS AND LAYOUTS FOR THE EQUIPMENT OF THE FIRST NAMED MANUFACTURER. ANY CHANGE REQUIRED BY THE USE OF OTHER NAMED MANUFACTURERS SUCH AS REVISIONS TO FOUNDATIONS, BASES, PIPING, CONTROLS, WIRING, OPENINGS, AND APPURTENANCES SHALL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

TVAC PIP	ING & VALVE LEGEND
\longrightarrow	GATE VALVE
—	GLOBE VALVE
	BALL VALVE
<u> </u>	BUTTERFLY VALVE
₩	PLUG VALVE
₩	NEEDLE VALVE
	CHECK VALVE
 	WYE STRAINER
—————————————————————————————————————	THREE-WAY VALVE
<u> </u>	MODULATING CONTROL VALVE
——————————————————————————————————————	TWO POSITION CONTROL VALVE
	THREE-WAY MODULATING CONTROL VALVE
<u> </u>	THREE-WAY TWO POSITION CONTROL VALVE
	MOTOR OPERATED VALVE
© X	SOLENOID VALVE
Z——	PRESSURE REGULATING VALVE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	BACK FLOW PREVENTOR
	FLEXIBLE CONNECTION
<u> </u>	WATER BALANCE VALVE/CIRCUT SETTER
	UNION
	FLANGED CONNECTION FOR EQUIPMENT REMOVAL
I	BLIND FLANGE
	CAP OR PLUG
0	QUICK CONNECTOR
_	ELBOW - TURNED DOWN
o	ELBOW - TURNED UP
	TEE - DOWN
O	TEE - UP
	TOP CONNECTION
	BOTTOM CONNECTION
→	REDUCER
	THERMOMETER WITH THERMOWELL
Ø X	PRESSURE GAUGE VALVE SHUTOFF
<u></u> бп	DRAIN - 3/4 INCH BALL VALVE WITH HOSE END CONNECTION WITH BRASS CAP
 - 译	VENT - 1/2 INCH BALL VALVE WITH HOSE
T A OR ル	VENT THRU ROOF
	PIPE BREAK
•	

LIMIT OF DEMOLITION

* CERTAIN ABBREVIATIONS LISTED ABOVE MAY NOT APPLY TO THIS PROJECT.

)	HVAC [DUCTWORK LEGEND
	\boxtimes	SUPPLY AIR DUCT
		RETURN OR OUTSIDE AIR DUCT
		EXHAUST AIR DUCT
	X	4-WAY CEILING DIFFUSER
	→	DUCT TRANSITION
	BD	BALANCING DAMPER
	─ FD	FIRE DAMPER
	M	MOTORIZED DAMPER
	<u>\$</u> —	DUCT SENSOR
	DP	DIFFERENTIAL PRESSURE SWITCH
	S	SMOKE DETECTOR (BY ELECTRICAL)
	SP	STATIC PRESSURE SENSOR
	SW	MANUAL TIMER ON/OFF SWITCH
	603	CO2 SENSOR
	S	TEMPERATURE SENSOR
	T	THERMOSTAT
	-\-	AIRFLOW
	-~-	RECTANGULAR DUCT BREAK
		EXISTING TO REMAIN
		EXISTING TO BE REMOVED
		NEW
	•	CONNECT TO EXISTING
		LIMIT OF DEMOLITION

* CERTAIN ABBREVIATIONS LISTED ABOVE MAY NOT APPLY TO THIS PROJECT.

AAV	AUTOMATIC AIR VENT	F	FAHRENHEIT	PSI	POUNDS PER SQUARE INCH
AC	ALTERNATING CURRENT	FCU	FAN COIL UNIT	PSIG	POUNDS PER SQUARE INCH GA
ACB	ACTIVE CHILLED BEAM	FD	FIRE DAMPER	PVC	POLYVINYL CHLORIDE
ACC	AIR COOLED CHILLER		U.S. FOOD AND DRUG	R	RELOCATED
ACD	AUTOMATIC CONTROL DAMPER	FDA	ADMINISTRATION	RA	RETURN AIR
ACCU	AIR COOLED CONDENSING UNIT	FF	FINISHED FLOOR	REQ'D	REQUIRED
ACU	AIR CONDITIONING UNIT	FG	FINISHED GRADE	RF	RETURN FAN
AD	ACCESS DOOR	FLA	FULL LOAD AMPS	RG	RETURN GRILLE
ADJ	ADJUSTABLE	FLEX	FLEXIBLE	RH	RELATIVE HUMIDITY
AFF	ABOVE FINISHED FLOOR	FPB	FAN POWERED BOX	RHC	REHEAT COIL
AFG	ABOVE FINISHED GRADE	FPM	FEET PER MINUTE	RHG	REFRIGERANT HOT GAS
Ai 0		FT	FLASH TANK	RL	REFRIGERANT LIQUID
AHRI	AIR-CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE	F&T	FLOAT AND THERMOSTATIC	RM	ROOM
AHU	AIR HANDLING UNIT	FTR	FIN TUBE RADIATION	RPM	REVOLUTIONS PER MINUTE
AHO		G	GAS	RR	RETURN REGISTER
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION	GA	GAUGE	R&R	REMOVE AND RELOCATE
	AMERICAN NATIONAL OTANDARRO	GAL	GALLON	RS	REFRIGERANT SUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	GALV	GALVANIZED	110	
AP	ACCESS PANEL	GPH	GALLONS PER HOUR	RTD	RESISTANCE TEMPERATURE DETECTOR
				DTU	
APD	AIR PRESSURE DROP	GPM	GALLONS PER MINUTE HOSE RIB (CONNECTION)	RTU	ROOF TOP UNIT
ASJ	ALL SERVICE JACKET	HB	HOSE BIB (CONNECTION)	SA	SUPPLY AIR
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	HX	HEAT EXCHANGER	SD	SMOKE DAMPER
	WEG IANIGAL ENGINEERS	HP	HORSEPOWER	SEN	SENSIBLE
ASTM	AMERICAN SOCIETY FOR TESTING	HPS	HIGH PRESSURE STEAM	SF	SUPPLY FAN
	AND MATERIALS	HUM	HUMIDIFIER	SFD	COMBINATION SMOKE AND FIRE
BAS	BUILDING AUTOMATION SYSTEM	HVAC	HEATING VENTILATION AND AIR		
BD	BACK-DRAFT DAMPER		CONDITIONING	_	SHEET METAL AND AIR
BFF	BELOW FINISHED FLOOR	HWR	HOT WATER RETURN	SMACNA	CONDITIONING CONTRACTORS
BFG	BELOW FINISHED GRADE	HWS	HOT WATER SUPPLY		NATIONAL ASSOCIATION
BHP	BRAKE HORSE POWER	HZ	HERTZ	SP	STATIC PRESSURE
BOD	BOTTOM OF DUCT	IAQ	INDOOR AIR QUALITY	SR	SUPPLY REGISTER
BTU	BRITISH THERMAL UNIT	ID	INSIDE DIAMETER	SQ	SQUARE
BTUH	BTU PER HOUR	IFB	INTEGRAL FACE AND BYPASS	SQ FT	SQUARE FEET
С	CELSIUS	IN	INCHES	STD	STANDARD
CD	CEILING DIFFUSER	I/O	INPUT/OUTPUT	STM	STEAM
CF	CUBIC FEET	KW	KILOWATT	Т	THERMOSTAT
CFM	CUBIC FEET PER MINUTE	LAT	LEAVING AIR TEMPERATURE	T00/ID	TRANSMISSION CONTROL
СН	CHILLER (WATER-COOLED)	LBS	POUNDS	TCP/IP	PROTOCOL/INTERNET PROTOCO
CHW	CHILLED WATER	LD	LINEAR DIFFUSER	TD	TRANSFER AIR DUCT
CHWP	CHILLED WATER PUMP	LPS	LOW PRESSURE STEAM	TEAO	TOTALLY ENCLOSED AIR OVER
CHWR	CHILLED WATER RETURN	LVR	LOUVER	TEFC	TOTALLY ENCLOSED FAN COOL
CHWS	CHILLED WATER SUPPLY	LWT	LEAVING WATER TEMPERATURE	TEMP	TEMPERATURE
СМ	CENTIMETERS	MA	MAKE-UP AIR OR MILLIAMPS	TG	TRANSFER GRILLE
СО	CARBON MONOXIDE	MAU	MAKE-UP AIR UNIT	TON	12,000 BTU (COOLING CAPACITY
CONN	CONNECTION	MAX	MAXIMUM	TYP	TYPICAL
CT	COOLING TOWER	MBH	1000 BTUH	UC	UNDERCUT
CUH	CABINET UNIT HEATER	MC	MECHANICAL CONTRACTOR	UH	UNIT HEATER
CWP	CONDENSER WATER PUMP	IVIC		UL	UNDERWRITERS LABRATORIES
CWP		MERV	MINIMUM EFFICIENCY REPORTING VALUE	V	
	CONDENSER WATER SURDLY	R AIN I			VOLTS VOLT AMPS
CWS	CONDENSER WATER SUPPLY	MIN	MINIMUM	VA	VOLT AMPS
D	DRAIN	MM	MILLIMETERS	VAV	VARIABLE AIR VOLUME
DB	DRY BULB	MPH	MILES PER HOUR	VFD	VARIABLE FREQUENCY DRIVE
DC	DIRECT CURRENT	N	NEW WORK	VTR	VENT THRU ROOF
DDC	DIRECT DIGITAL CONTROL	NC	NORMALLY CLOSED	VVT	VARIABLE VOLUME AND
DEG	DEGREE	NEC	NATIONAL ELECTRIC CODE		TEMPERATURE
DIA	DIAMETER	NEMA	NATIONAL ELECTRIC	WB	WET BULB
DIM	DIMENSION		MANUFACTURERS ASSOCIATION	WC	WATER COLUMN
DN	DOWN	NFPA	NATIONAL FIRE PROTECTION	WFS	WATER FLOW SWITCH
DP	DIFFERENTIAL PRESSURE	/\	ASSOCIATION	WG	WATER GAUGE
D&R	DISCONNECT AND REMOVE	NIC	NOT IN CONTRACT	WPD	WATER PRESSURE DROP
WG(S)	DRAWING(S)	NO	NORMALLY OPEN		
DWH	DOMESTIC WATER HEATER	NPS	NOMINAL PIPE SIZE		
Е	EXISTING	NPT	NATIONAL PIPE THREAD		
EA	EXHAUST AIR	OA	OUTSIDE AIR		
EAT	ENTERING AIR TEMPERATURE	OD	OUTSIDE DIAMETER		
EC	ELECTRICAL CONTRACTOR	ODP	OPEN DRIP PROOF		
EF	EXHAUST FAN		OCCUPATIONAL SAFETY AND		
	ETHYLENE PROPYLENE DIENE	OSHA	HEALTH ADMINISTRATION		
EPDM	MONOMER	OS&Y	OUTSIDE SCREW AND YOKE		
ER	EXHAUST REGISTER	PCB	PASSIVE CHILLED BEAM		
ERU	ENERGY RECOVERY UNIT	PCB PCF	POUNDS PER CUBIC FOOT		
EUH	ELECTRONIC UNIT HEATER	PD	PRESSURE DROP		
EWT	ENTERING WATER TEMPERATURE	PDF	PORTABLE DOCUMENT FORMAT		
EXH	EXHAUST	PRV	PRESSURE REDUCING VALVE	1	



GRETCHEN C. VALADE JAZZ CENTER - PHASE IV

WAYNE STATE UNIVERSITY

4743 Cass Ave Detroit, MI 48202

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OSBORN PROJ NO.J20240114.000

MECHANICAL GENERAL NOTES AND ABBREVIATIONS

DRAWING NO.

B-MP0.1

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	PLUMBING EQUIPMENT SCHEDULE									
MARK	DESCRIPTION	MFR.	MODEL	CW	HW	TRAP	DRAIN	VENT	NOTES	
WC-1	WATER CLOSET	AMERICAN STANDARD	3690001.020	1"	-	INTEGRAL	3"	2"	FLOOR MOUNTED, REAR OUTLET, 1-1/2' TOP SPUD, 1.28 GPF, VITREOUS CHINA. COMPLETE WITH WHITE OPEN FRONT SEAT AND ELECTRONIC BATTERY POWERED FLUSH VALVE	
LAV-1	LAVATORY	AMERICAN STANDARD	355.03400000	1/2"	1/2"	1 1/2"	2"	1 1/2"	20"x1" WALL MOUNTED TYPE, 3-HOLE ON 4' GENTERS WITH 0.5GPM ELECTRONC BATTERY POWERED FAUCET, THERMOSTATIC MIXING VALVE & GRID STRAINER. FAUCET TO BE INNSBROOK 6055 205	
SK-1	SINK	ELKAY	LRAD2219	1/2"	1/2"	1 1/2"	2"	1 1/2"	18 GAUGE TYPE 304 STAINLESS STEEL TOP MOUNT SINGLE BOWL SINK, 22'X19-1/2"X6-1/2' DEEP WITH 3-HOLE ON 4' CENTERCONFIGURATION AND DRAIN SYSTEM. CHROME GOOSE NECK FAUCET WITH 4" WRISTBLADE HANDLES, 8" REACH, 1.5 GPM AERATOR, TOBE MOEN MODEL 8799.	

ELECTRIC UNIT HEATER SCHEDULE										
TA			MODEL LOCATION	CAPACITY KW		FLA	МОСР	V/PH	NOTES	
TYPE	MARK				AIRFLOW CFM					
CUH	CUH 1 QMARK CP318F		DONOR LONGE	3	-	15	20	208/1	1, 2, 3	
NOTES.										

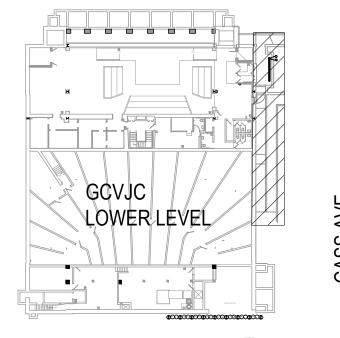
- PROVIDE WITH APPROPRIATE TRIM KIT FOR LAY-IN CEILING INSTALLATION.
- INTERLOCK ALL RADIANT HEATERS TO SINGLE THERMOSTAT,

PLUMBING EQUIPMENT SCHEDULE								
MARK	COMPONENT	MFR.	MODEL	DESCRIPTION				
TD-1	TRENCH DRAIN	ACO	K100S	4" WIDE X 9'-7" LONG POLYMER CONCRETE TRENCH DRAIN WITH INTEGRAL STAINLESS STEEL WEARING RAIL, HEEL GUARD SS GRATE				

KEYNOTES:

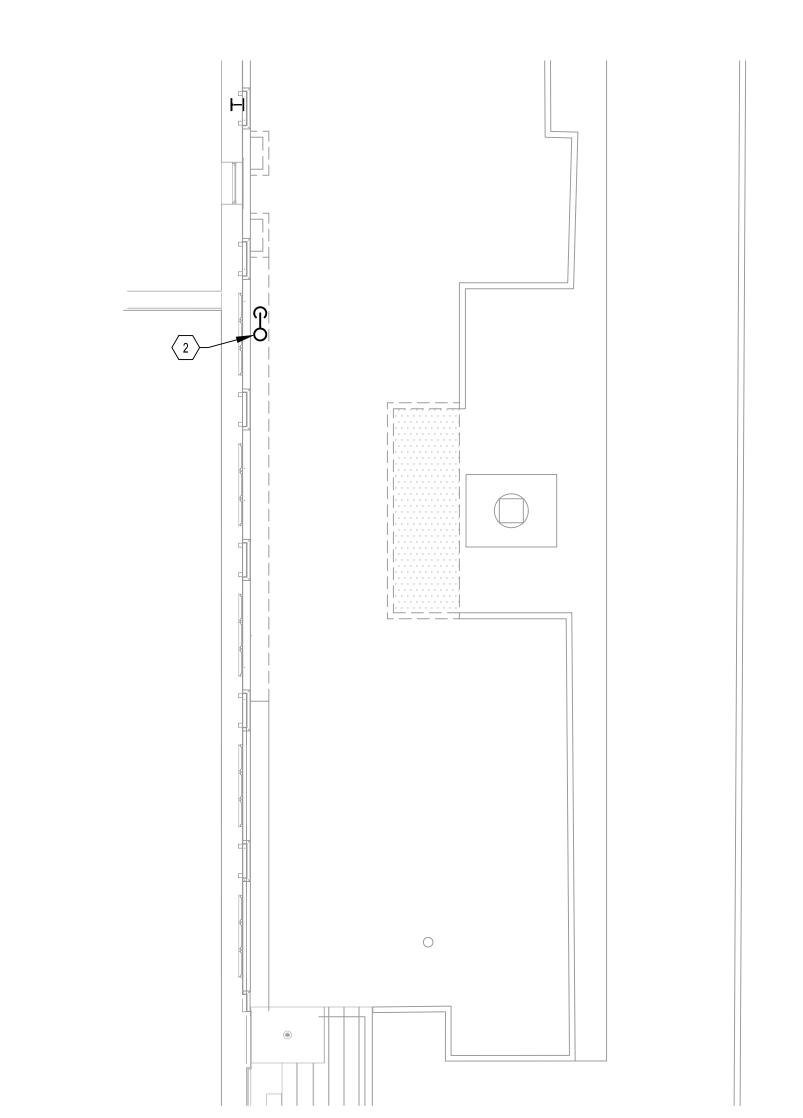
- 1. EXISTING TRENCH DRAIN TO BE DEMOLISHED TO ACCOMMODATE NEW SLAB.
- 2. SANITARY VENT GOOSENECK SHALL BE RELOCATED AS CLOSE AS POSSIBLE TO WALL. CONTRACTOR SHALL ROTATE GOOSENECK AS REQUIRED TO NOT IMPEDE INSTALLATION OF RAMP.
- 3. EXISTING SUMP AND PUMP TO REMAIN. NEW TRENCH DRAIN SHALL DISCHARGE TO EXISTING SUMP.

HANCOCK



KEY PLAN





DEMOLITION PLAN

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OSBORN PROJ NO. J20240114.000 **ENLARGED PLUMBING PLANS**

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GRETCHEN C.

VALADE JAZZ

CENTER - PHASE

WAYNE STATE

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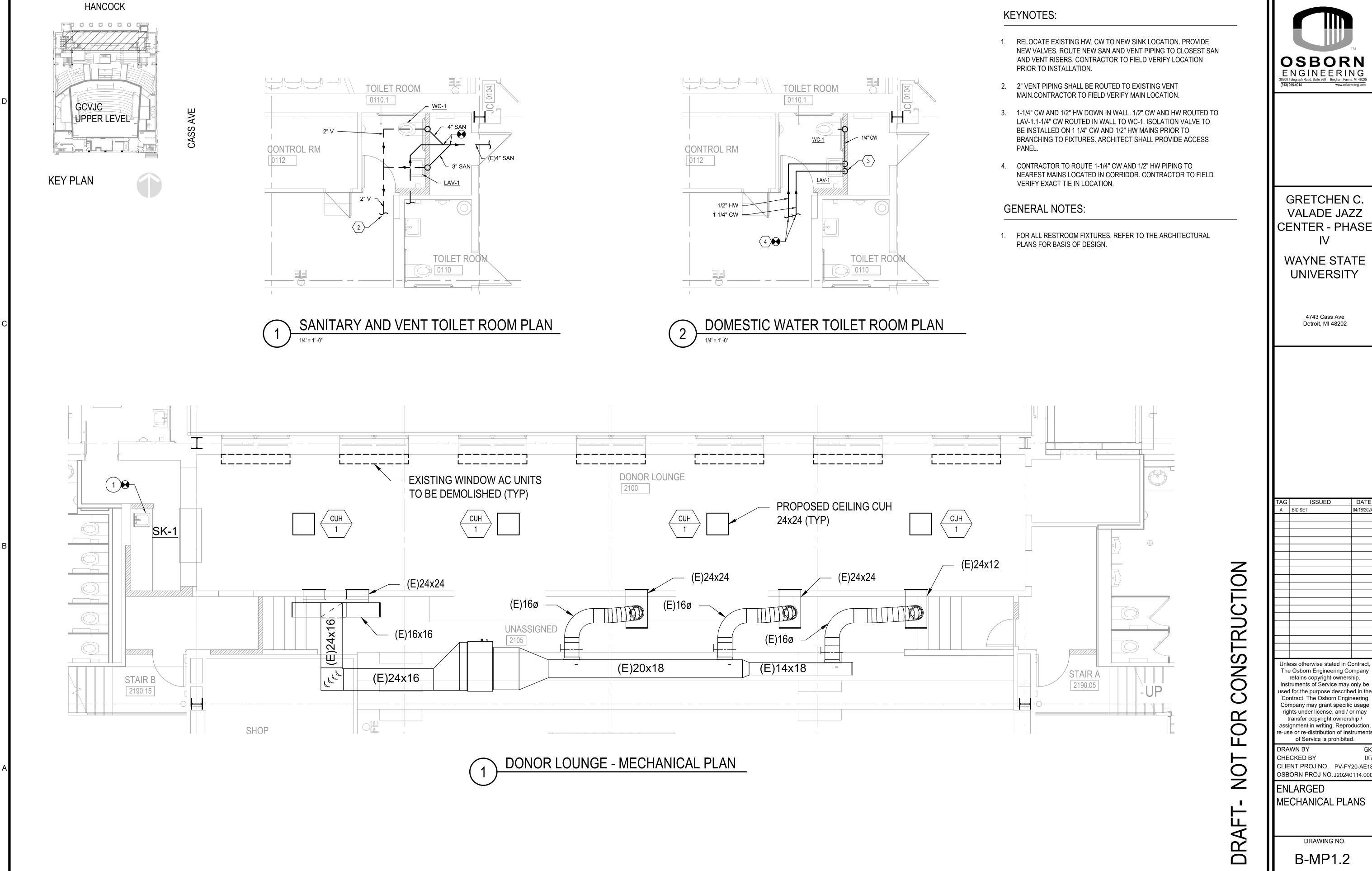
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DATE 04/16/2024

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> **WAYNE STATE** UNIVERSITY

> > 4743 Cass Ave Detroit, MI 48202

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ENLARGED MECHANICAL PLANS

DRAWING NO.

B-MP1.2

ſ		ELECTRICAL SYMBOL LEGEND
	SYMBOL	DESCRIPTION
	HALF TONE LINE (40%)	DENOTES BACKGROUND.
	THIN SOLID LINES	DENOTES DEVICES, EQUIPMENT, ETC. EXISTING TO REMAIN (E).
	HEAVY SOLID LINES	DENOTES NEW (N) OR RELOCATED (R) DEVICES, EQUIPMENT, ETC.
	DASHED LINES	DENOTES DEVICES, EQUIPMENT, ETC. TO BE DISCONNECTED AND REMOVED (D&R).
	HEAVY PHANTOM LINES	DENOTES NEW (N) OR RELOCATED (R) CONDUIT, EQUIPMENT, ETC. UNDERGROUNG OR BELOW GRADE.
	HALF TONE LINE (60%)	DENOTES POWERED EQUIPMENT FURNISHED OR PROVIDED BY OTHER DIVISIONS OR OWNER.
	→ →	BRANCH CIRCUIT TURNING UP. BRANCH CIRCUIT TURNING DOWN. BRANCH CIRCUIT TURNING UP & DOWN.
	UE	UNDERGROUND, UNDER FLOOR/SLAB DUCTBANK, DIRECT BURIED CABLE, CONDUIT/CONDUCTOR: UE=ELECTRICAL UT=TELECOM
	HOT — GROUND NEUTRAL #	HOME RUN. HASH MARKS INDICATE CONDUCTOR QUANTITY. HASH MARKS DEFINED AS SHOWN. "#" INDICATES SIZE OF CONDUCTORS OTHER THAN #12 AWG. ALL UNMARKED HOMERUNS SHALL CONTAIN (2)#12 AWG & (1) #12 AWG GND IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED.
	ZZZ / #,#,#	BRANCH CIRCUITING. "ZZZ" INDICATES PANEL DESIGNATION. "#,#,#" INDICATES CIRCUIT NUMBER(S).
	ZZZ / #,#,#	ROOM CIRCUIT TAG. ALL FIXTURES/DEVICES IN ROOM/SPACE TO BE CIRCUITED TO PANEL "ZZZ" / CIRCUIT NUMBER(S) "#,#,#" AS INDICATED, UNLESS OTHERWISE NOTED.

ELECTRICAL SYMBOL LEGEND							
SYMBOL	DESCRIPTION						
	208Y/120 VOLT, 3-PHASE, 4-WIRE, SURFACE MOUNTED ELECTRICAL PANELBOARD.						
오 / 모	WALL MOUNTED LUMINAIRE. SEE LUMINAIRE SCHEDULE.						
♠ ^{+"H"} ZZ/##	DUPLEX RECEPTACLE, 20 AMPERE, 125 VOLT, 2 POLE, 3 WIRE GROUNDING TYPE, NEMA 5-20R, MOUNTED 18"A.F.F. UNLESS OTHERWISE NOTED. REFER TO ABOVE FOR MOUNTING HEIGHT AND CIRCUITING INFORMATION.						
₽ +"H" ZZ/##	DOUBLE DUPLEX (QUAD) RECEPTACLE, 20 AMPERE, 125 VOLT, 2 POLE, 3 WIRE GROUNDING TYPE, NEMA 5-20R, MOUNTED 18"A.F.F. UNLESS OTHERWISE NOTED. REFER TO ABOVE FOR MOUNTING HEIGHT AND CIRCUITING INFORMATION.						

GENERAL ELECTRICAL NOTES

- ANY AND ALL "BUILDING STANDARDS" AND/OR "BUILDING" SPECIFICATIONS" SHALL BE CONSIDERED AN INTEGRAL PART OF THESE DOCUMENTS AND THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN A COPY OF THESE DOCUMENTS AND COMPLY WITH ALL REQUIREMENTS AND STANDARDS CONTAINED WITHIN.
- 2. ELECTRICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC, ARE INTENDED TO CONVEY THE SCOPE OF WORK, AND INDICATE GENERAL ARRANGEMENT OF LIGHTING FIXTURES, DEVICES, CONTROLS, ELECTRICAL FIXTURES, MOTORS, PANELBOARDS, EQUIPMENT, ETC. THE LOCATIONS OF ALL ITEMS SHOWN ON ELECTRICAL DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT EXPLICITLY FIXED BY DIMENSIONS ARE APPROXIMATE. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE PROJECT. ALL LOCATIONS OF WORK EXPOSED TO VIEW ARE SUBJECT TO APPROVAL OF THE ARCHITECT PRIOR TO ROUGH-INS.
- 3. THE CONTRACTOR SHALL VISIT THE SITE OF THE WORK TO FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND HIS PROPOSAL SHALL INCLUDE ALL CONTINGENCIES NECESSARY FOR THE COMPLETION OF HIS WORK REGARDING SUCH EXISTING CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT ALL NEW WORK WILL FIT INTO THE EXISTING STRUCTURE AND CONDITIONS IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/OWNERS REPRESENTATIVE PRIOR TO ANY ROUGH-INS, FABRICATIONS, OR PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATED TO THE AREA.
- 4. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION DURING THE BIDDING PERIOD. NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE TO THE CONTRACTOR BY REASON OF HIS FAILURE TO HAVE BROUGHT SAID DISCREPANCIES TO THE ATTENTION OF THE ENGINEER DURING THE BIDDING PERIOD OR OF ANY ERROR ON THE CONTRACTOR'S PART.
- 5. THERE SHALL BE NO SUBSTITUTIONS UNLESS THE CONTRACTOR HAS OBTAINED WRITTEN APPROVAL FROM THE OWNER AFTER HAVING SUBMITTED AN ALTERNATIVE PROPOSAL COMPLETE WITH A DESCRIPTION OF DEVIATION FROM THE SPECIFICATIONS AND A STATEMENT OF BENEFITS TO BE DERIVED SHOULD SUCH A PROPOSED SUBSTITUTE BE
- ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE, OSHA REQUIREMENTS, AND LOCAL REQUIREMENTS, ALL AS INTERPRETED BY THOSE HAVING JURISDICTION.
- 7. BEFORE DOING ANY WORK WHICH MIGHT ENTAIL A FULL OR PARTIAL SHUTDOWN, THE ELECTRICAL CONTRACTOR SHALL INFORM THE OWNER SO THAT A SCHEDULED SHUTDOWN ARRANGEMENT CAN BE MADE, TAKING EVERY PRECAUTION THAT THE ELECTRICAL SYSTEM IS OPERATING SATISFACTORILY.
- 8. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL PERMITS AND PAY ALL FEES THAT ARE REQUIRED BY THE APPLICABLE LOCAL AND STATE LAWS.
- CONDUIT HOME RUNS SHOWN ON THE DRAWING WITH MORE THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE SHOWN DIAGRAMMATICALLY. THIS CONTRACTOR SHALL NOT INSTALL MORE THAN THREE (3) CURRENT CARRYING CONDUCTORS IN A RACEWAY UNLESS NATIONAL ELECTRIC CODE (N.E.C), ARTICLE 310.15 DERATING FACTORS ARE
- 10. A CONTINUOUS CONDUIT SHALL NOT BE CONSTRUED TO SATISFY THE REQUIREMENTS FOR AN EQUIPMENT GROUNDING SYSTEM. A SEPARATE EQUIPMENT GROUND WIRE SHALL BE PROVIDED INTERCONNECTING ALL EXPOSED CONDUCTIVE EQUIPMENT, TO THE COMMON GROUND BUS USING APPROPRIATE GROUND FITTINGS. EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250.122. THE EQUIPMENT GROUNDING CONDUCTOR MUST BE RUN WITHIN THE SAME RACEWAY AS THE PHASE CONDUCTOR.
- 11. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ELECTRICAL SPECIFICATIONS FOR ACCEPTABLE CONDUIT TYPES/LOCATIONS. ALL CONDUIT SIZES ON THE DRAWINGS ARE BASED ON THE LATEST EDITION OF THE N.E.C. CONDUIT FILL TABLES FOR ELECTRICAL METALLIC TUBING (E.M.T). CONDUIT SIZES SHALL BE REVISED TO THE SIZE REQUIRED, RELATIVE TO THE ACTUAL CONDUIT TYPE TO BE INSTALLED.
- 12. ALL COMPONENTS SHOWN ON THE RISER/ONE-LINE DIAGRAMS, BUT NOT ON THE PLAN OR VICE VERSA, SHALL BE INCLUDED AS IF SHOWN ON BOTH.
- 13. IT IS NOT INTENDED THAT THE PLANS INDICATE ALL OBSTRUCTIONS, NECESSARY BENDS, OFFSETS, AND PULL BOXES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL HIS WORK TO CONFORM TO N.E.C. REQUIREMENTS, THE STRUCTURE, MAINTAIN HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR. REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AS REQUIRED.
- 14. IT IS NOT INTENDED THAT THE PLANS INDICATE ALL CONDUIT ROUTES, PULL BOXES, JUNCTION BOXES, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL CONDUIT ROUTING, QUANTITY AND LOCATION OF PULL BOXES WITHIN ACCESSIBLE LOCATIONS.
- 15. PROVIDE SCREW-COVER PULL BOXES IN CONDUIT RUNS AS REQUIRED TO LIMIT THE NUMBER OF BENDS TO NO MORE THAN FOUR (4) 90° OR 360° TOTAL. SIZE PULL BOXES IN ACCORDANCE WITH NEC, ARTICLE 314.28. DOCUMENT ON RECORD DRAWINGS, SIZE AND LOCATION OF PULL BOXES USED IN FEEDER CONDUIT RUNS.
- 16. WHERE MULTIPLE DEVICES OF THE SAME TYPE/STYLE ARE SHOWN NEXT TO EACH OTHER, GANG INTO A SINGLE COVER PLATE.
- 17. ALL RACEWAYS RUNNING THROUGH BUILDING EXPANSION JOINTS SHALL BE EQUIPPED WITH APPROPRIATE EXPANSION FITTINGS.
- 18. IDENTIFY WITH LEGIBLE AND DURABLE MARKING, EACH DISCONNECTING MEANS INDICATING ITS PURPOSE.
- 19. ALL RECEPTACLES, SWITCHES AND DEVICES SHALL HAVE PANEL AND CIRCUIT NUMBER IDENTIFY WITH LEGIBLE AND DURABLE MARKING ON COVER PLATE. OWNER WILL INDICATE IF MARKINGS ARE ON THE FRONT OR BACK OF COVER.
- 20. BEFORE DRILLING ANY HOLES IN WALLS OR FLOORS THE AREA MUST BE CHECKED FOR EXISTING EMBEDDED CONDUITS AND WIRE. IF ANY EXISTING CONDUITS OR WIRING ARE DAMAGED BY THIS CONTRACTOR IT IS THIS CONTRACTORS RESPONSIBILITY TO MAKE ALL REPAIRS TO CONDUITS, WIRE, FLOORS AND BUILDING FINISHES IN KIND AT NO COST TO OWNER
- 21. PROVIDE UL LISTED FIRE STOP ASSEMBLY AT ALL NEW AND EXISTING PENETRATIONS IN FIRE RATED STRUCTURES.



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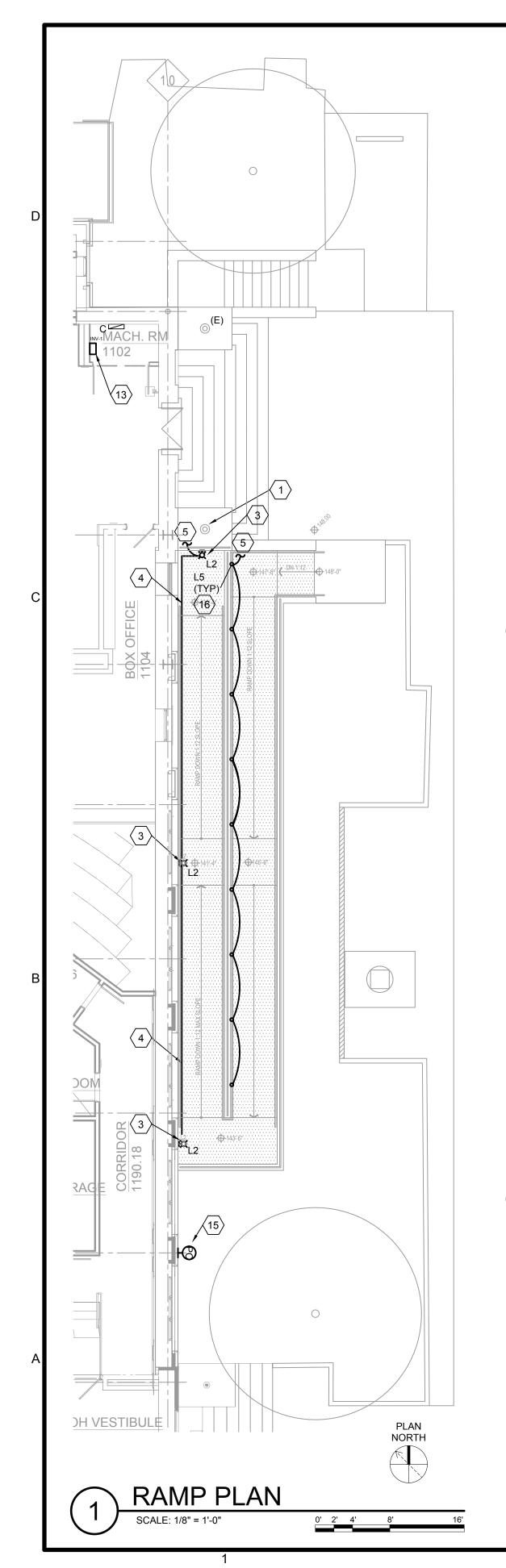
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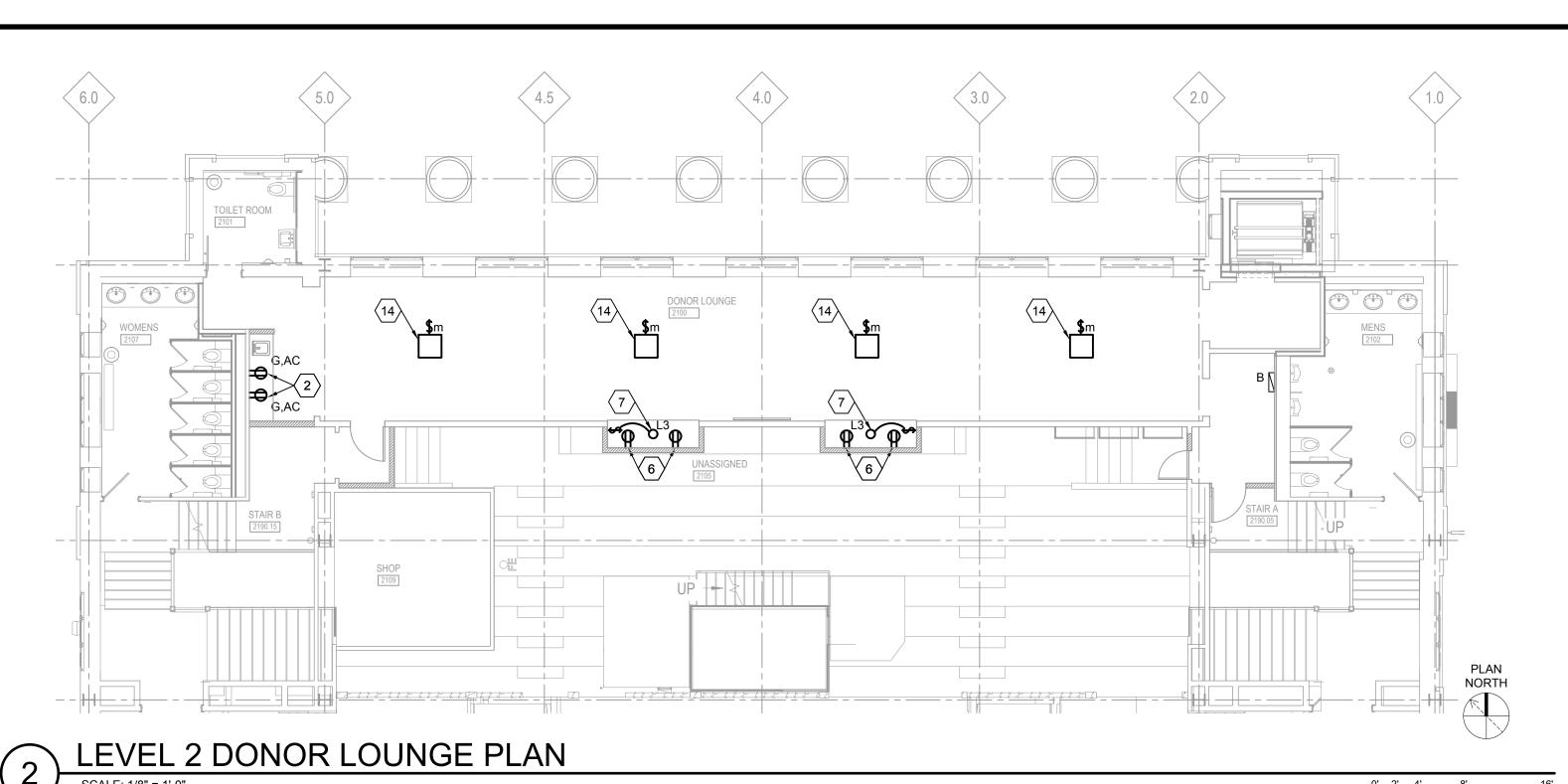
ELECTRICAL GENERAL NOTES AND LEGENDS

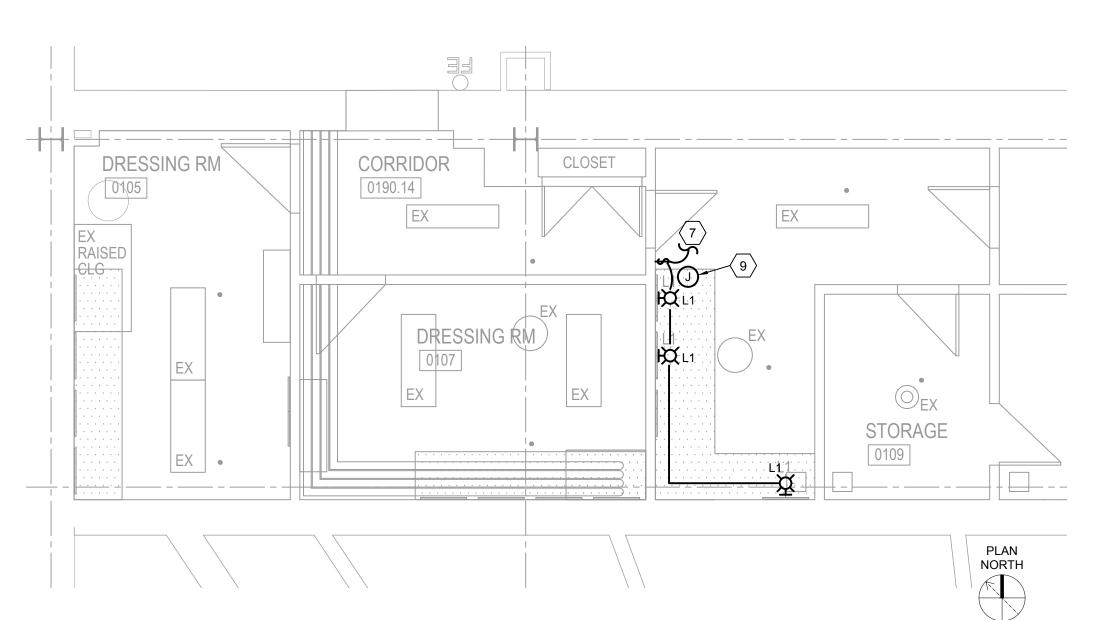
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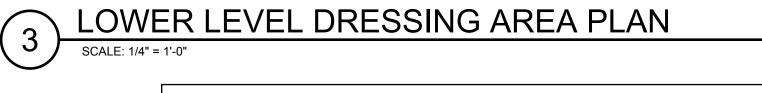
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LUMINAIRE SCHEDULE									
TYPE	DESCRIPTION	VOLTAGE	LAMPING	FIXTURE WATTAGE	BASIS OF DESIGN	EQUIVALENT MANUFACTURE	REMARKS		
L1	12"W x 6" H INTERIOR WALL MOUNTED SCONCE WITH SLOPED SIDES, CLEAR ACRYLIC LENS, WHITE OUTER HOUSING AND INTEGRAL OCCUPANCY SENSOR.	120V-277V UNV,	1000 LUMEN (NOMINAL) LED MODULE 4000°K	14W	FAILSAFE FW SERIES FW LD2 126 1000 40 UNV CA R4 W OS	OR APPROVIED EQUAL BY LITHONIA	MH = 7'-6" AFF		
L2	EXTERIOR WALL MOUNTED LED LIGHT FIXTURE WITH PHOTOCONTROL	120V-277V UNV,	3168 LUMEN (NOMINAL) LED MODULE 4000°K	38W	LUMARK XTOR4B W PC1	OR APPROVIED EQUAL BY LITHONIA	-		
L3	8" LED DOWNLIGHT FIXTURE.	120V-277V UNV,	2305 LUMEN (NOMINAL) LED MODULE 4000°K	22W	HALO R8 20 D010	OR APPROVIED EQUAL BY LITHONIA	-		
L4	1 x 4 LIGHTING FIXTURE	-	-	-	-	-	MATCH EXISTING LIGHT FIXTURE IN TOILET ROOM 0110		
L5	MINI UNDER RAILING LIGHITNG	120V-277V UNV,	180 LUMEN	1.5W	ALPHABET THETASNAP 40KSTPCAGFF	OR APPROVIED EQUAL BY LITHONIA	-		

GENERAL NOTES

- 1. MINIMUM CONDUCTOR SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE #12AWG. FOR 120 VOLT BRANCH CIRCUITS WITH HOMERUNS OVER 75 LINEAR FEET, A MINIMUM WIRE SIZE OF #10AWG SHALL BE PROVIDED FROM FIRST JUNCTION BOX TO BRANCH CIRCUIT PANELBOARD. FOR 120 VOLT BRANCH CIRCUITS WITH HOMERUN OVER 150 LINEAR FEET, A MINIMUM WIRE SIZE OF #8AWG SHALL BE PROVIDED FROM FIRST JUNCTION BOX TO BRANCH CIRCUIT PANELBOARD. ASSOCIATED EQUIPMENT GROUNDING CONDUCTOR SHALL ALSO BE INCREASED PER N.E.C. ARTICLE 250.122(B) REQUIREMENTS.
- 2. AT A MINIMUM ALL BRANCH CIRCUITS SHALL CONTAIN (2)#12AWG, (1)#12 EG, IN 3/4" CONDUIT UNLESS OTHERWISE INDICATED.
- 3. ALL BRANCH CIRCUITS SHALL BE RUN WITH AN INDIVIDUAL NEUTRAL WIRE. BRANCH CIRCUITS SHALL NOT SHARE NEUTRAL WIRES. PER N.E.C. 404.2(C) THE NEUTRAL WIRE SHALL BE EXTENDED TO ALL SWITCHING LOCATIONS.
- 4. LIGHTING BRANCH CIRCUITS MAY SHARE EQUIPMENT GROUND CONDUCTORS.
- 5. EXACT LOCATION OF ALL LUMINAIRES, AND EXACT MOUNTING HEIGHT OF ALL PENDANT MOUNTED LUMINAIRES SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS PRIOR TO ANY ROUGH-INS.
- 6. ALL CONDUCTORS SHALL BE IDENTIFIED BY PANELBOARD AND CIRCUIT NUMBER(S) IN ALL CABINETS, JUNCTION BOXES, WIRING TROUGHS, ENCLOSURES, SPLICE OR TERMINATION POINTS, FTC.
- 7. A NEW TYPED PANELBOARD DIRECTORY CARD SHALL BE PROVIDED FOR ALL PANELS INSTALLED OR MODIFIED UNDER THIS CONTRACT. NEW DIRECTORY CARDS SHALL BE LOCATED ON THE INSIDE DOOR OF ASSOCIATED PANELS.

SHEET KEY NOTES

- 1. REPAIR EXISTING LIGHT POST FIXTURE. PROVIDE NEW LENS AND LAMP.
- 2. CONNECT NEW GFCI TYPE RECEPTACLES (TOTAL OF 2) TO A SPARE 20A,1P CIRCUIT BREAKER IN PANEL B. PROVIDE 2#12, 1#12EG-3/4"C.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT AND ELEVATIONS.
- 4. NEW SURFACE MOUNTED CONDUIT.
 INSTALL ADJACENT TO EXISTING SURFACE
 MOUNTED CONDUIT. ROUTE CONDUIT TO
 AVOID BUILDING WINDOWS. PAINT TO
 MATCH WALL COLOR.
- CONNECT NEW OUTDOOR LIGHT FIXTURES TO INVERTER INV-1. PROVIDE 2#12, 1#12EG-3/4"C.
- 6. CONNECT NEW COVE RECEPTACLES (TOTAL OF 4) TO A SPARE 20A,1P CIRCUIT BREAKER IN PANEL B. PROVIDE 2#12, 1#12EG-3/4"C.
- 7. CONNECT NEW LIGHT FIXTURES TO NEAREST 120V BRANCH CIRCUIT IN THE ARFA
- 8. CONNECT NEW HAND DRYER TO A SPARE 20A,1P CIRCUIT BREAKER IN PANEL A. PROVIDE 2#12, 1#12EG-3/4"C.
- 9. PROVIDE CONDUIT ABOVE CEILING FOR FUTURE USE.
- 10. NEW LIGHT FIXTURE TO MATCH EXISTING ON TOILET ROOM 0110. CONNECT NEW FIXTURE TO NEAREST LIGHTING CIRCUIT IN THE AREA.
- 11. NEW FIRE ALARM STROBE. CONNECT TO EXISTING FIRE ALARM SYSTEM.
- 12. CONNECT NEW GFCI TYPE RECEPTACLE TO NEAREST 120V BRANCH CIRCUIT.
- 13. NEW 125VA, 120V ISOLITE E3MINI INVERTER. CONNECT 2#12, 1#12EG-3/4"C. TO A SPARE 20A,1P CIRCUIT BREAKER IN PANEL C.
- 14. NEW CUH, 208V, 1PHASE, 3KW. PROVIDE NEW 20A,2P CIRCUIT BREAKER IN EXISTING PANEL B PANEL. PROVIDE 2#12, 1#12EG-3/4"C.
- 15. NEW ROOF MOUNTED RECEPTACLE.
- 16. CONNECT NEW RAILING FIXTURES TO NEW INVERTER INV-1. PROVIDE 2#12, 1#12EG-3/4"C.



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TOILET ROOM

LOWER LEVEL TOILET RM

PLAN NORTH

0110