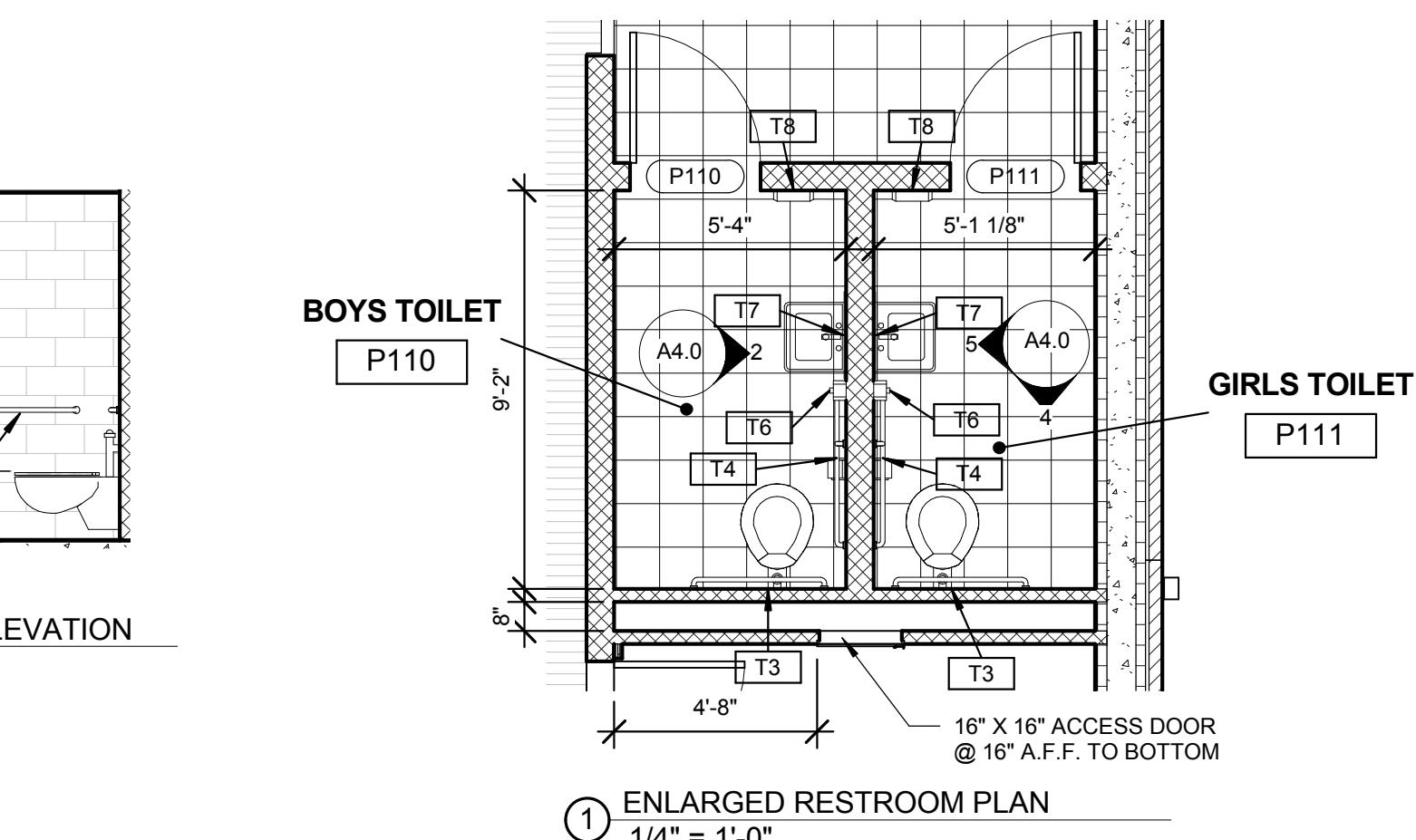
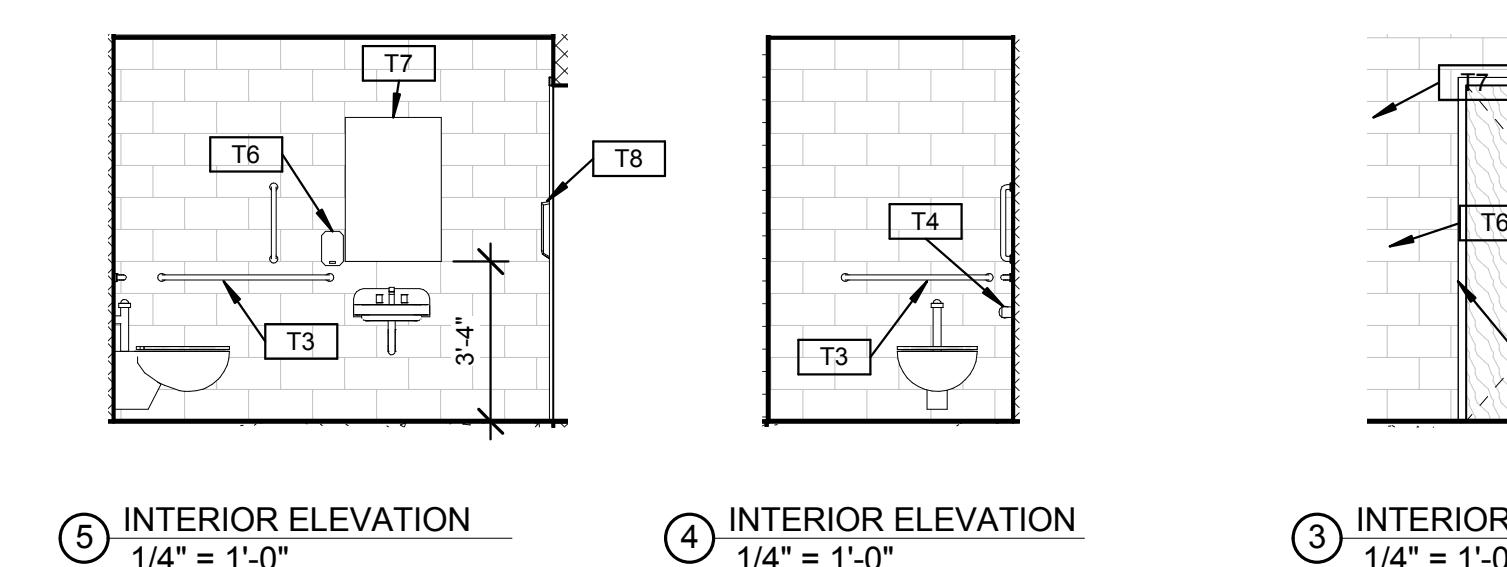
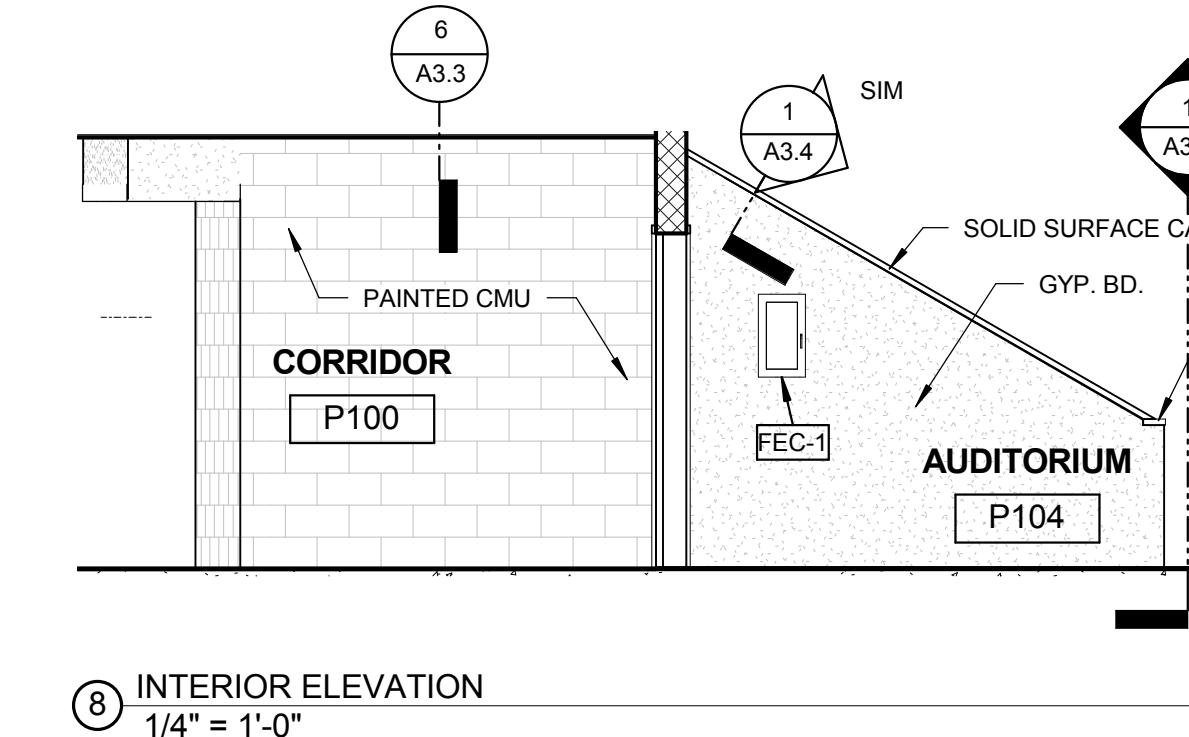


MARK	DESCRIPTION
T1	NOT USED
T2	NOT USED
T3	GRAB BARS - 36" LONG GRAB BAR - MOUNT @ BACK OF TOILET WALL, 6" OFF SIDE WALL TO END & 42" LONG GRAB BAR ON SIDEWALL, 12" OFF BACK WALL TO END - MOUNT EACH @ 34" A.F.F. TO CENTERLINE & 18" LONG VERTICAL GRAB BAR @ 36" A.F.F. TO BOTTOM @ 40" FROM TOILET WALL TO CENTERLINE (ANSI 3100)
T4	TOILET PAPER DISPENSER - MOUNT @ 19" A.F.F. TO CENTERLINE AND HAVE CONTINUOUS FEED ROLL (ANSI 0263-1A) SHALL BE FURNISHED AND INSTALLED BY OWNER
T5	HAND DRYER - MOUNT PER MFGR. INSTRUCTIONS. SEE ELECTRICAL DRAWINGS
T6	SOAP DISPENSER - MOUNT @ 40" A.F.F. TO CONTROL (ANSI 0343) SHALL BE FURNISHED AND INSTALLED BY OWNER
T7	MIRROR - 24X36 - MOUNT @ 40" A.F.F. TO BOTTOM OF MIRROR
T8	PAPER TOWEL DISPENSER - MOUNT @ 40" A.F.F. TO PAPER SLOT (ANSI 0210) SHALL BE FURNISHED AND INSTALLED BY OWNER

TOILET ACCESSORIES NOTES:

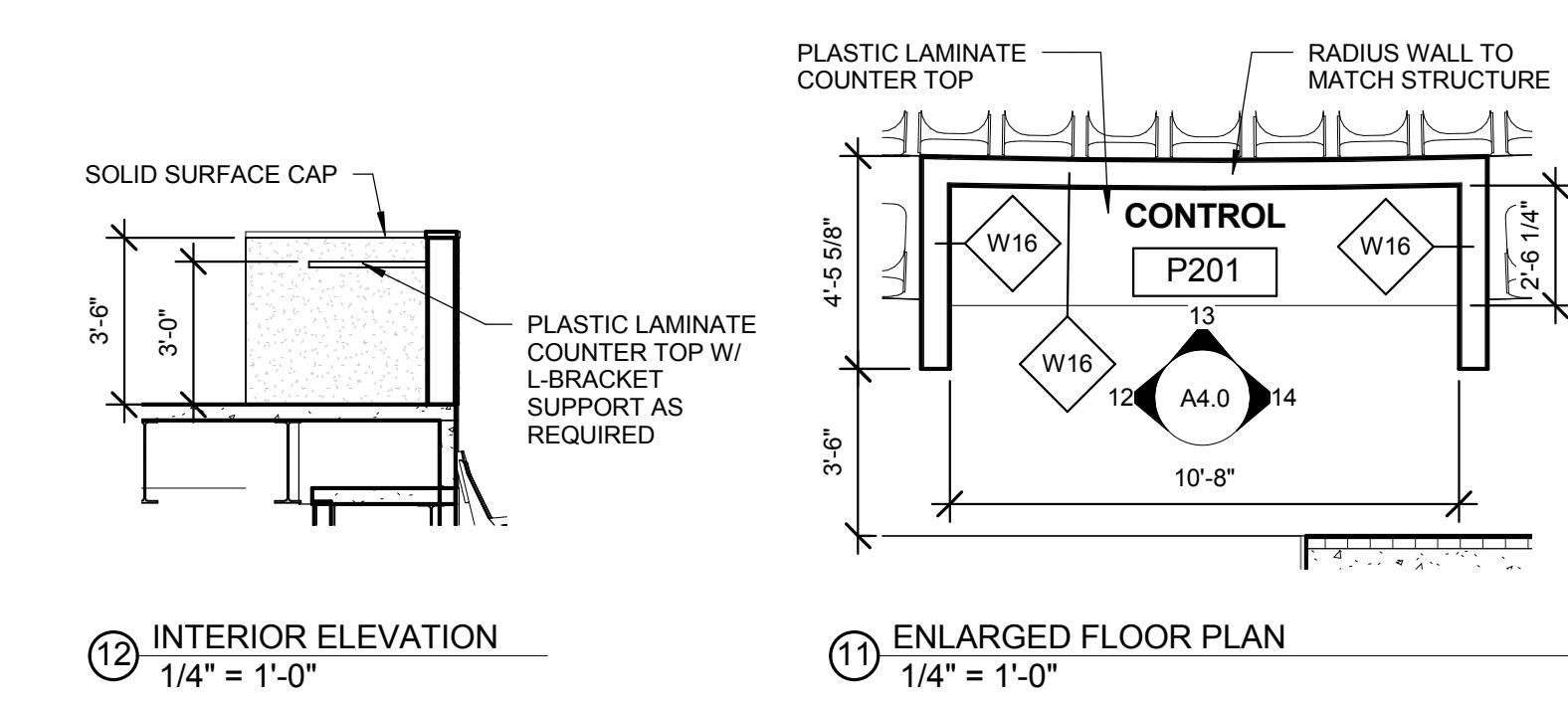
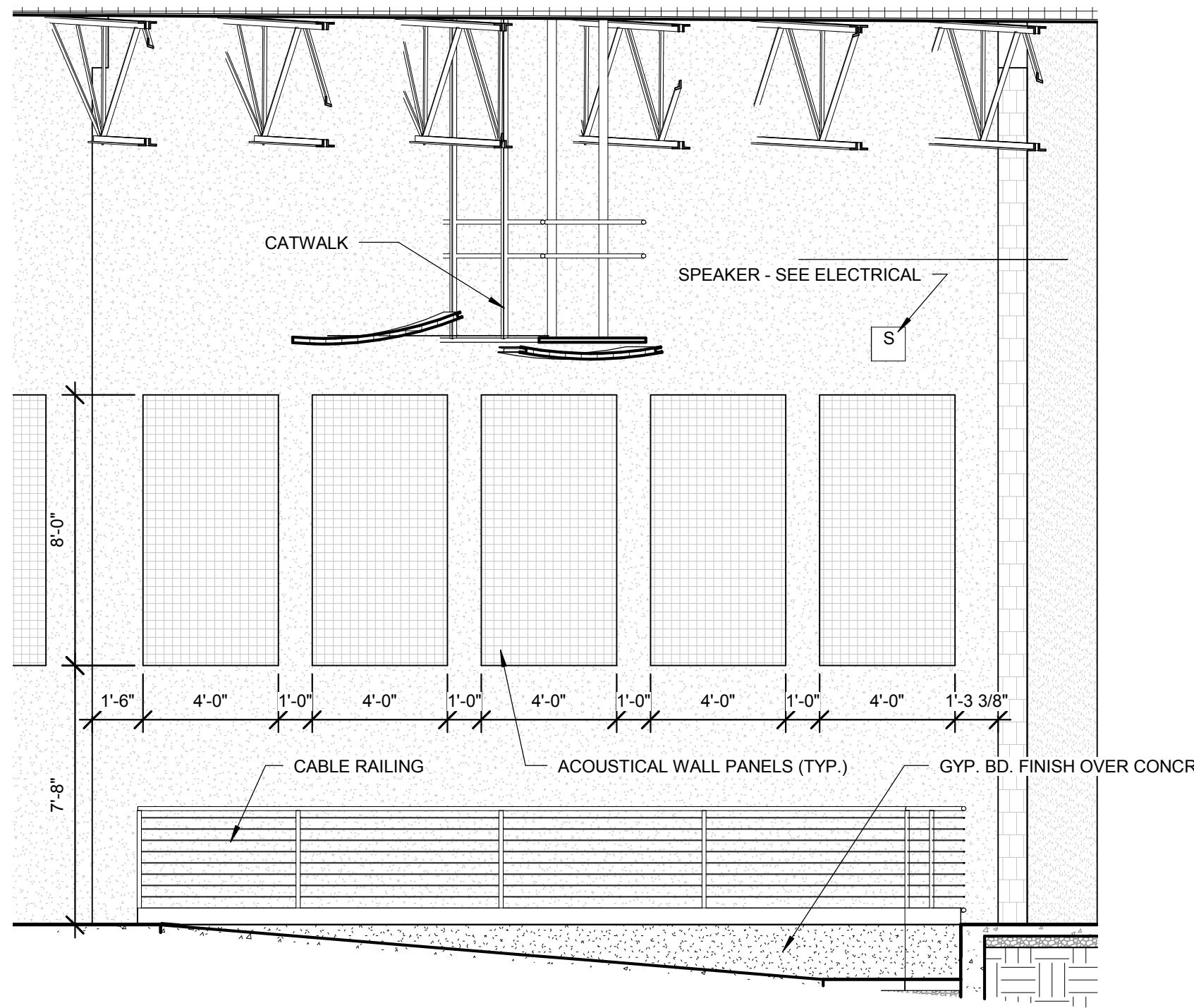
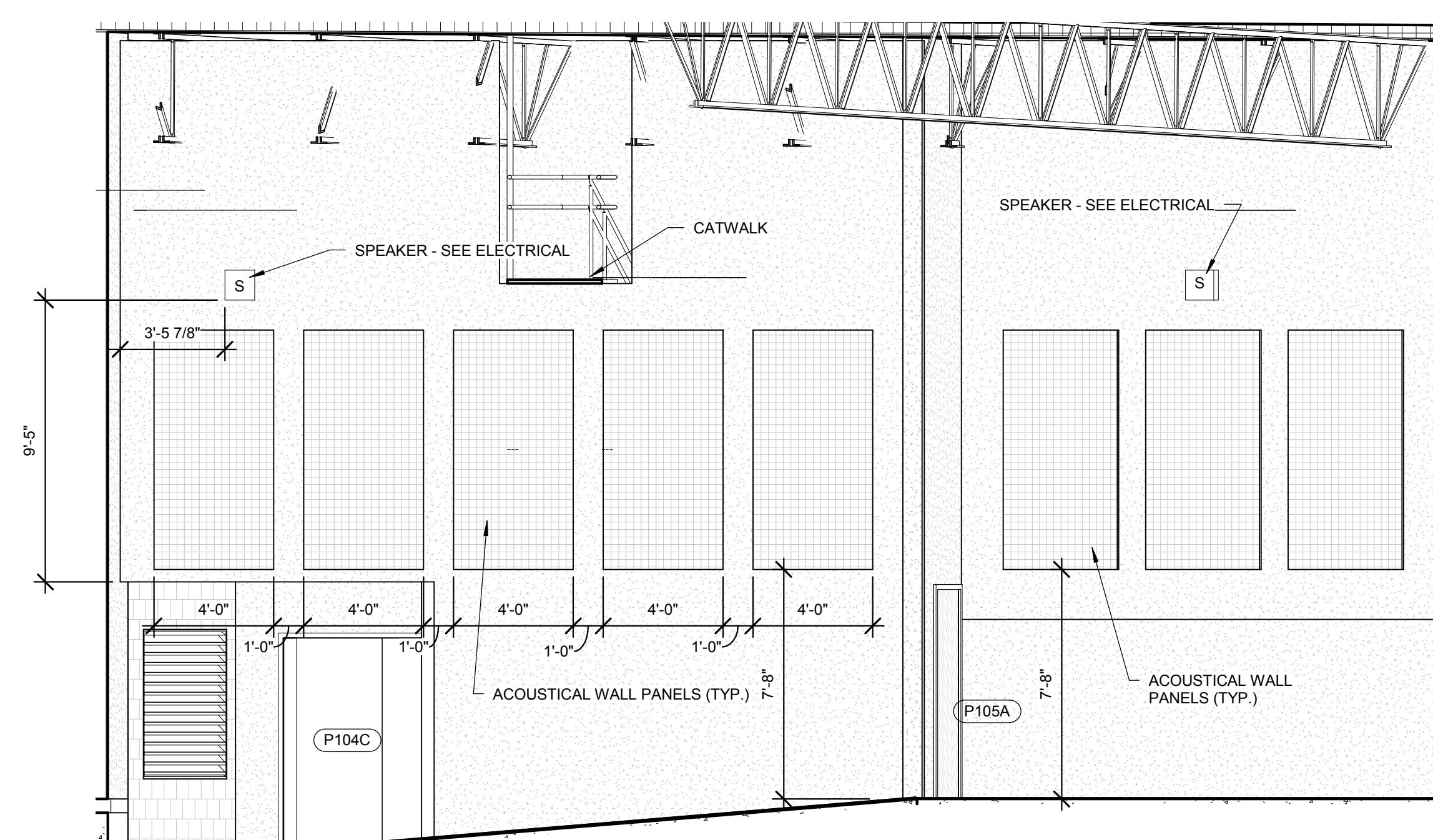
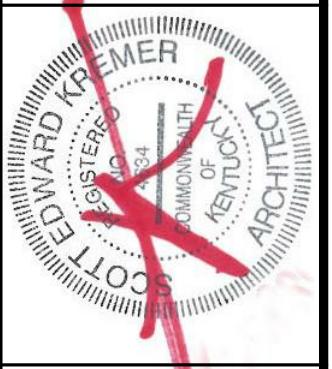
1. PROVIDE PROPER BLOCKING FOR ALL WALL MOUNTED ACCESSORIES.
2. ALL WATER CLOSETS SHALL HAVE A SEAT HEIGHT OF 19" A.F.F. U.N.O.
3. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE DESIGNED FOR 250 LB. PER LINEAR FOOT LOAD.
4. DIMENSIONS NOTED ON ENLARGED TOILET ROOM / RESTROOM PLANS ARE FROM FACE OF FINISH AND INTENDED AS MINIMUMS, U.N.O.



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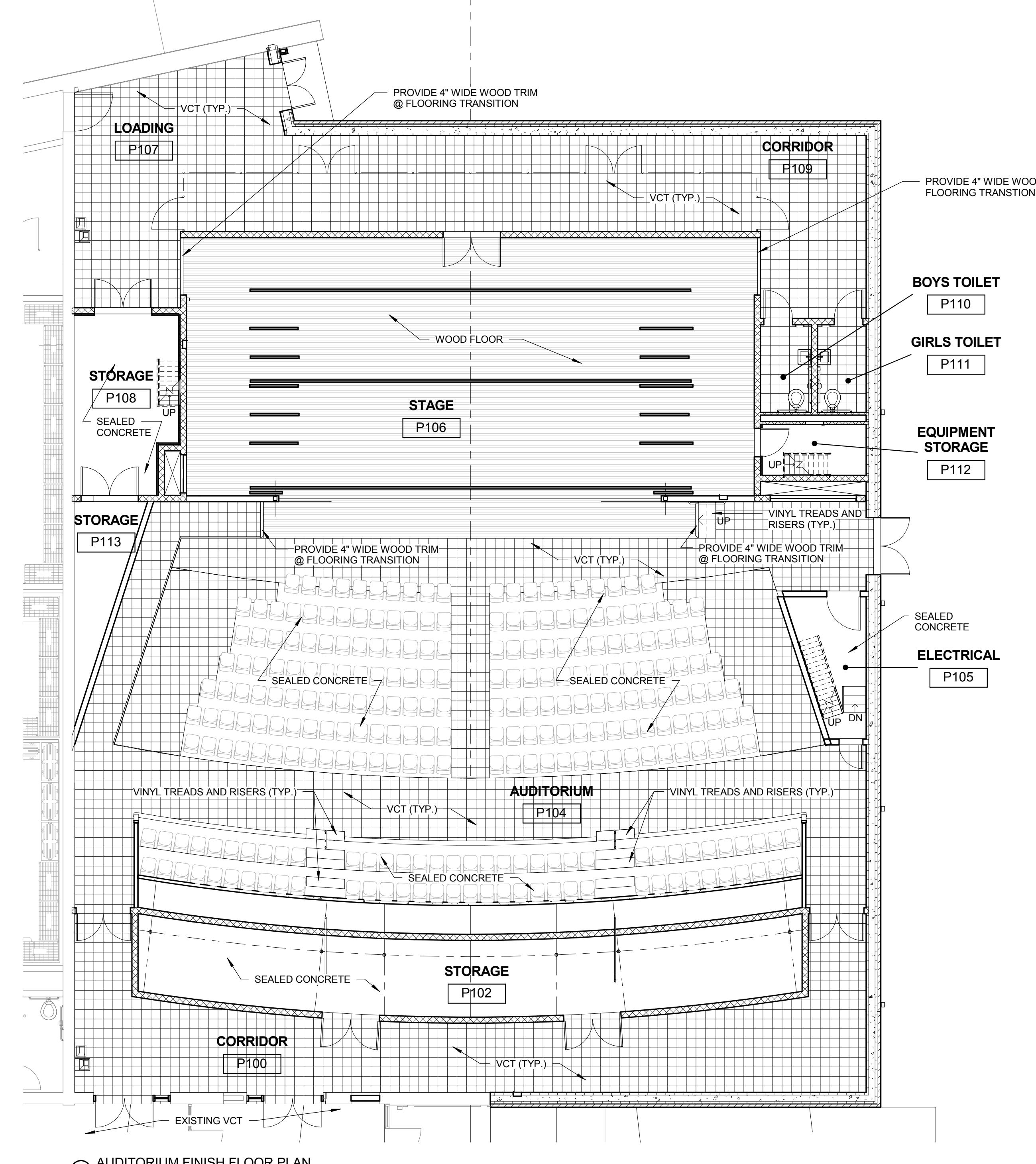
CONSTRUCTION DOCUMENTS

INTERIOR ELEVATIONS
NELSON COUNTY SCHOOLS - WEST CAMPUS
THOMAS NELSON H.S.
PHASE III
2885 NEW SHEPHERDSVILLE ROAD (Hwy 245) BARDSTOWN, KENTUCKY 40004

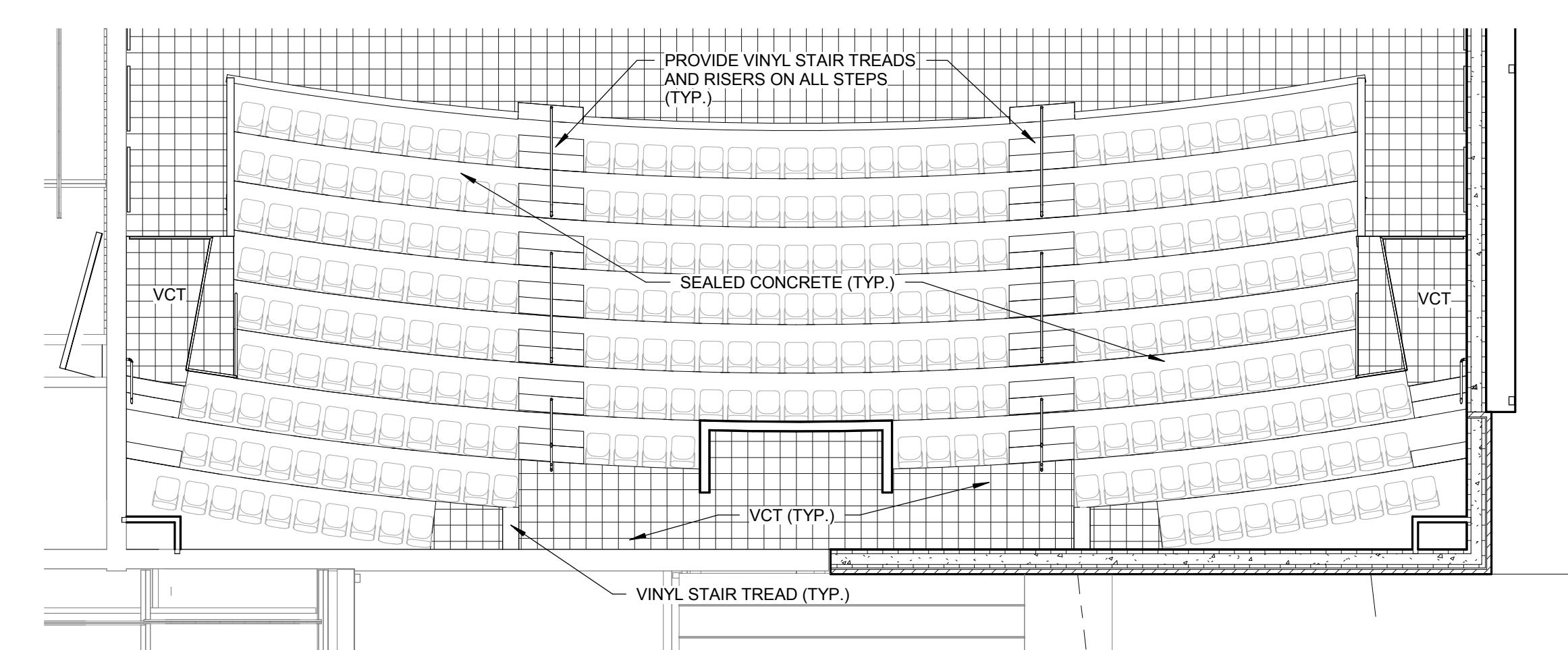
BG 15-229
DATE : 12/8/2015
DRAWN BY : BVD
CHECKED BY : SW
REVISIONS :

2011-02
PHASE - 3

A4.0
HS



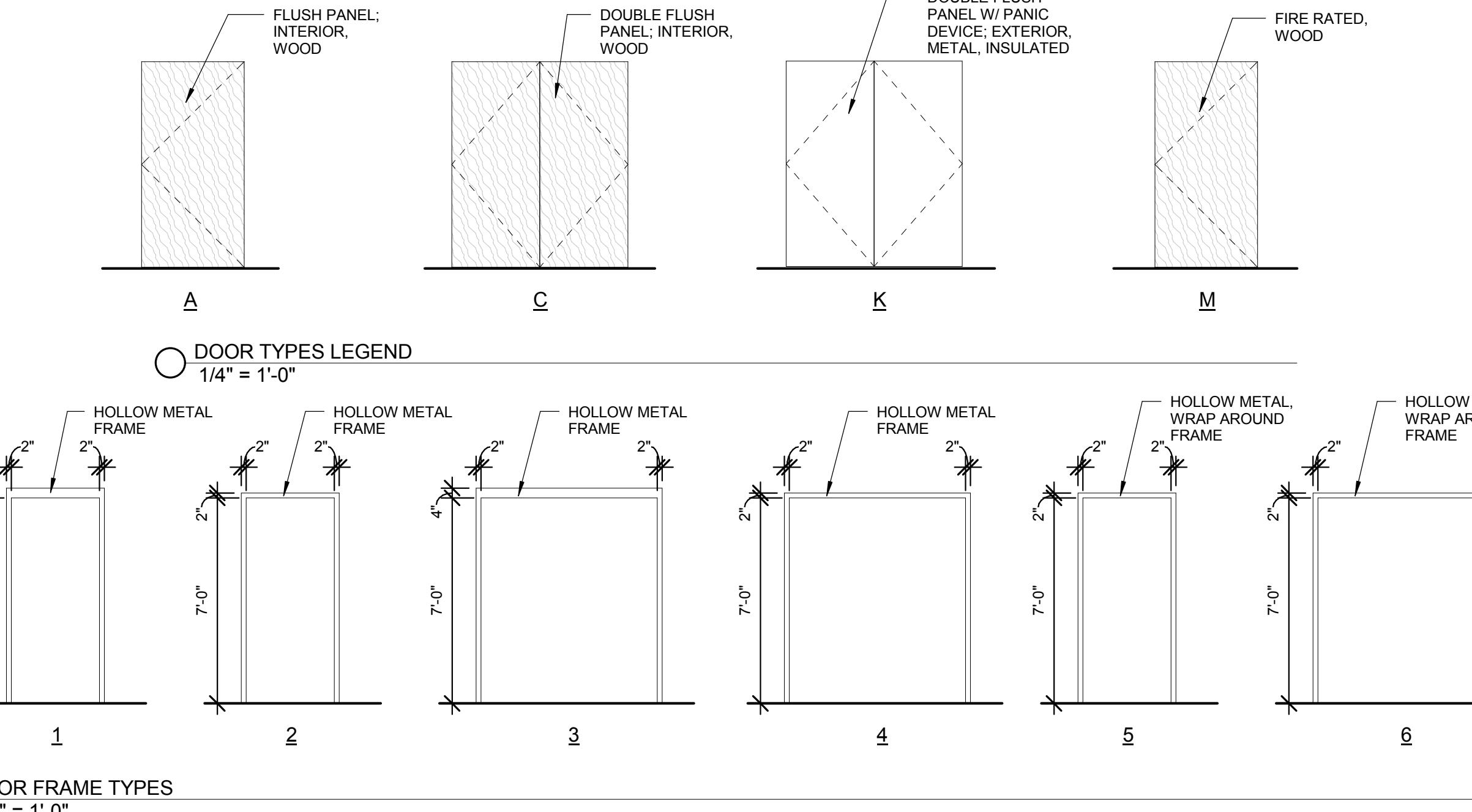
① AUDITORIUM FINISH FLOOR PLAN
1/8" = 1'-0"



② MEZZANINE FINISH FLOOR PLAN
1/8" = 1'-0"

DOOR SCHEDULE											
Mark	Type	Width	Height	Thickness	Door Material	Frame Type	Frame Material	Hardware Set	Fire Rating	Head/Jamb	Comments
P100A		6'-0"	7'-0"		ALUM.	-	-	104	-	20,30/A6.1	ALUM. STOREFRONT - SEE ELEVATIONS; PROVIDE FLOOR STOPS
P100B		6'-0"	7'-0"		ALUM.	-	-	104	-	20,30/A6.1	ALUM. STOREFRONT - SEE ELEVATIONS; PROVIDE FLOOR STOPS
P102A	C	6'-0"	7'-0"	1 3/4"	S.C. WOOD	3	H.M.	138	-	7,25/A6.1	
P102B	C	6'-0"	7'-0"	1 3/4"	S.C. WOOD	3	H.M.	138	-	7,25/A6.1	
P104A	C	5'-8"	7'-0"	1 3/4"	S.C. WOOD	3	H.M.	125A	-	7,25/A6.1	
P104B	C	5'-8"	7'-0"	1 3/4"	S.C. WOOD	3	H.M.	125A	-	7,25/A6.1	
P104C	K	6'-0"	7'-0"	1 3/4"	METAL	4	H.M.	5	-	19,27/A6.1	
P105A	A	2'-6"	7'-0"	1 3/4"	S.C. WOOD	5	H.M.	102	-	2,24/A6.1	
P105B	A	3'-6"	7'-0"	1 3/4"	S.C. WOOD	5	H.M.	102	-	2,24/A6.1	
P107A	K	5'-0"	10'-0"	1 3/4"	METAL	4	H.M.	5	-	21,29/A6.1	
P107B	A	4'-0"	7'-0"	1 3/4"	S.C. WOOD	2	H.M.	102	18/A6.1	PROVIDE FRAME AND DOOR IN EXISTING MASONRY OPENING	
P108	C	6'-0"	7'-0"	1 3/4"	METAL	3	H.M.	123	1 HOUR	7,25/A6.1	55 STC RATED DOOR; PROVIDE SOUND SEALS; PROVIDE FLOOR STOPS
P110	A	3'-0"	7'-0"	1 3/4"	S.C. WOOD	1	H.M.	134	-	7,25/A6.1	
P111	A	3'-0"	7'-0"	1 3/4"	S.C. WOOD	1	H.M.	134	-	7,25/A6.1	
P112	A	3'-0"	7'-0"	1 3/4"	METAL	1	H.M.	122	1 HOUR	7,25/A6.1	55 STC RATED DOOR; PROVIDE SOUND SEALS
P113	C	6'-0"	7'-0"	1 3/4"	METAL	3	H.M.	123	1 HOUR	7,25/A6.1	55 STC RATED DOOR; PROVIDE SOUND SEALS
P114	C	6'-0"	10'-0"	1 3/4"	S.C. WOOD	3	H.M.	138	-		
P115	A	4'-0"	7'-0"	1 3/4"	S.C. WOOD	1	H.M.	122	1 HOUR	7,25/A6.1	55 STC RATED DOOR; PROVIDE SOUND SEALS; PAINT DOORS TO MATCH WALLS
P202	M	4'-0"	7'-0"	1 3/4"	METAL	1	H.M.	122	1 HOUR	7,25/A6.1	55 STC RATED DOOR; PROVIDE SOUND SEALS; PAINT DOORS TO MATCH WALLS
P203	M	4'-0"	7'-0"	1 3/4"	METAL	1	H.M.	122	1 HOUR	7,25/A6.1	55 STC RATED DOOR; PROVIDE SOUND SEALS; PAINT DOORS TO MATCH WALLS
P204	R										PLUMBING ACCESS DOOR

NOTE: HEAD / JAMB DETAILS LOCATED ON SHEETS A6.1



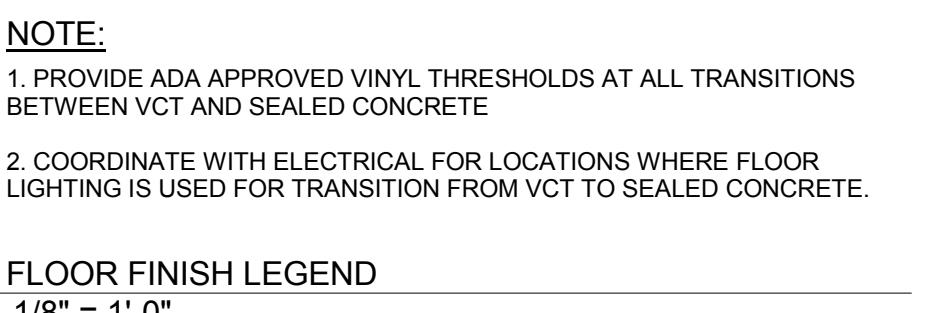
DOOR FRAME TYPES
1/4" = 1'-0"

ROOM FINISH SCHEDULE						
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
P100	CORRIDOR	VCT	VINYL	PAINT	ACT/GYP. BD.	
P102	STORAGE	SE.CONC.	VINYL	PAINT	--	
P104	AUDITORIUM	VCT / SE. CONC.	VINYL	PAINT	PAINT	PAINT OUT ALL STRUCTURE, DUCTWORK, EQUIPMENT AND ACOUSTICAL INSULATION
P105	ELECTRICAL	SE. CONC.	VINYL	PAINT	PAINT	PAINT OUT ALL STRUCTURE, DUCTWORK, EQUIPMENT AND ACOUSTICAL INSULATION
P106	STAGE	WOOD	VINYL	PAINT	PAINT	PAINT OUT ALL STRUCTURE, DUCTWORK, EQUIPMENT AND ACOUSTICAL INSULATION
P107	LOADING	VCT	VINYL	PAINT	PAINT	PAINT OUT ALL STRUCTURE, DUCTWORK, EQUIPMENT AND ACOUSTICAL INSULATION
P108	STORAGE	SE. CONC.	VINYL	PAINT	PAINT	PAINT OUT ALL STRUCTURE, DUCTWORK, EQUIPMENT AND ACOUSTICAL INSULATION
P109	CORRIDOR	VCT	VINYL	PAINT	PAINT	PAINT OUT ALL STRUCTURE, DUCTWORK, EQUIPMENT AND ACOUSTICAL INSULATION
P110	BOYS TOILET	VCT	VINYL	PAINT	ACT	
P111	GIRLS TOILET	VCT	VINYL	PAINT	ACT	
P112	EQUIPMENT STORAGE	SE. CONC.	VINYL	PAINT	PAINT	PAINT OUT ALL STRUCTURE, DUCTWORK, EQUIPMENT AND ACOUSTICAL INSULATION
P113	STORAGE	SE. CONC.	VINYL	PAINT	PAINT	PAINT OUT ALL STRUCTURE, DUCTWORK, EQUIPMENT AND ACOUSTICAL INSULATION
P201	CONTROL	VCT	VINYL	PAINT	PAINT	PAINT OUT ALL STRUCTURE, DUCTWORK, EQUIPMENT AND ACOUSTICAL INSULATION
P202	MECH.	SE. CONC.	--	--	--	
P203	MECH.	SE. CONC.	--	--	--	

FINISHES LEGEND	
VCT	VINYL COMPOSITION TILE
SE. CONC.	SEALED CONCRETE
VINYL	VINYL BASE
PAINT	PAINTED SURFACES
ACT	ACOUSTICAL CEILING TILE

NOTES:

1. SEE FINISH FLOOR PLANS FOR VCT AREAS.
2. SEE CEILING PLANS FOR ACT AREAS.
3. PAINT ALL EXPOSED STRUCTURE & DUCTWORK.
4. ALL SE. CONCRETE FINISHES SHALL BE LEFT CLEAN AT PROJECT COMPLETION.



FLOOR FINISH LEGEND
1/8" = 1'-0"

CONSTRUCTION DOCUMENTS

SCHEDULES AND FINISH PLANS	
THOMAS NELSON H.S.	TO EARN THE BERG STAR
PHASE III	2885 NEW SHEPHERDSVILLE ROAD (Hwy 245)
BARDSTOWN, KENTUCKY 40004	BARDSTOWN, KENTUCKY 40004
BG 15-229	
DATE : 12/8/2015	
DRAWN BY : BVD	
CHECKED BY : SW	
REVISIONS :	
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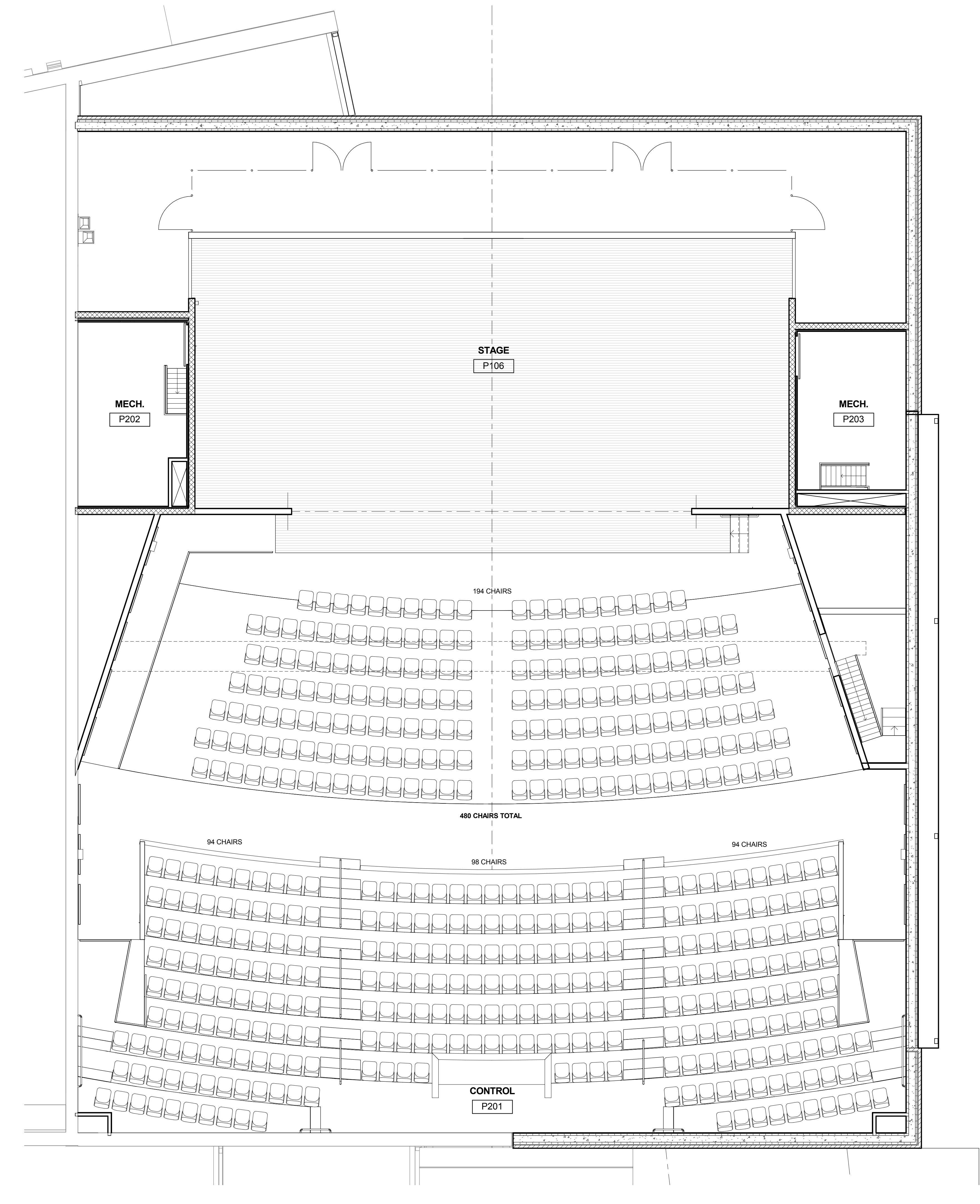
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GENERAL SEATING NOTES

1. SEATING SUPPLIER SHALL PROVIDE COMPLETE SEAT LAYOUT PLAN INCLUDING REQUIRED H.C. SPACES.

2. SEATING INSTALLER SHALL SUBMIT "STADIUM" SEATING LAYOUT TO LOCAL CODE ENFORCEMENT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.



CONSTRUCTION DOCUMENTS

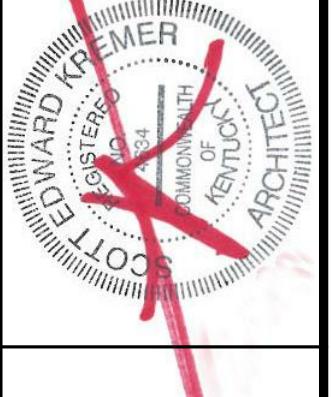
FURNITURE PLAN	
NELSON COUNTY SCHOOLS - WEST CAMPUS	
THOMAS NELSON H.S.	
PHASE III	
BG 15-229	
DATE : 12/8/2015	
DRAWN BY : BVD	
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NELSON COUNTY SCHOOL DISTRICT
288 WILDCAT LANE
BARDSTOWN, KENTUCKY 40004

FURNITURE PLAN

NELSON COUNTY SCHOOLS - WEST CAMPUS

THOMAS NELSON H.S.

PHASE II



DESIGNED TO EARN THE ENERGY STAR

The estimated energy performance for this design meets US EPA criteria. The building will be eligible to ENERGY STAR after maintaining superior performance for one year.

2885 NEW SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

DATE : 12/8/2015
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PHASE - 3

A5.1

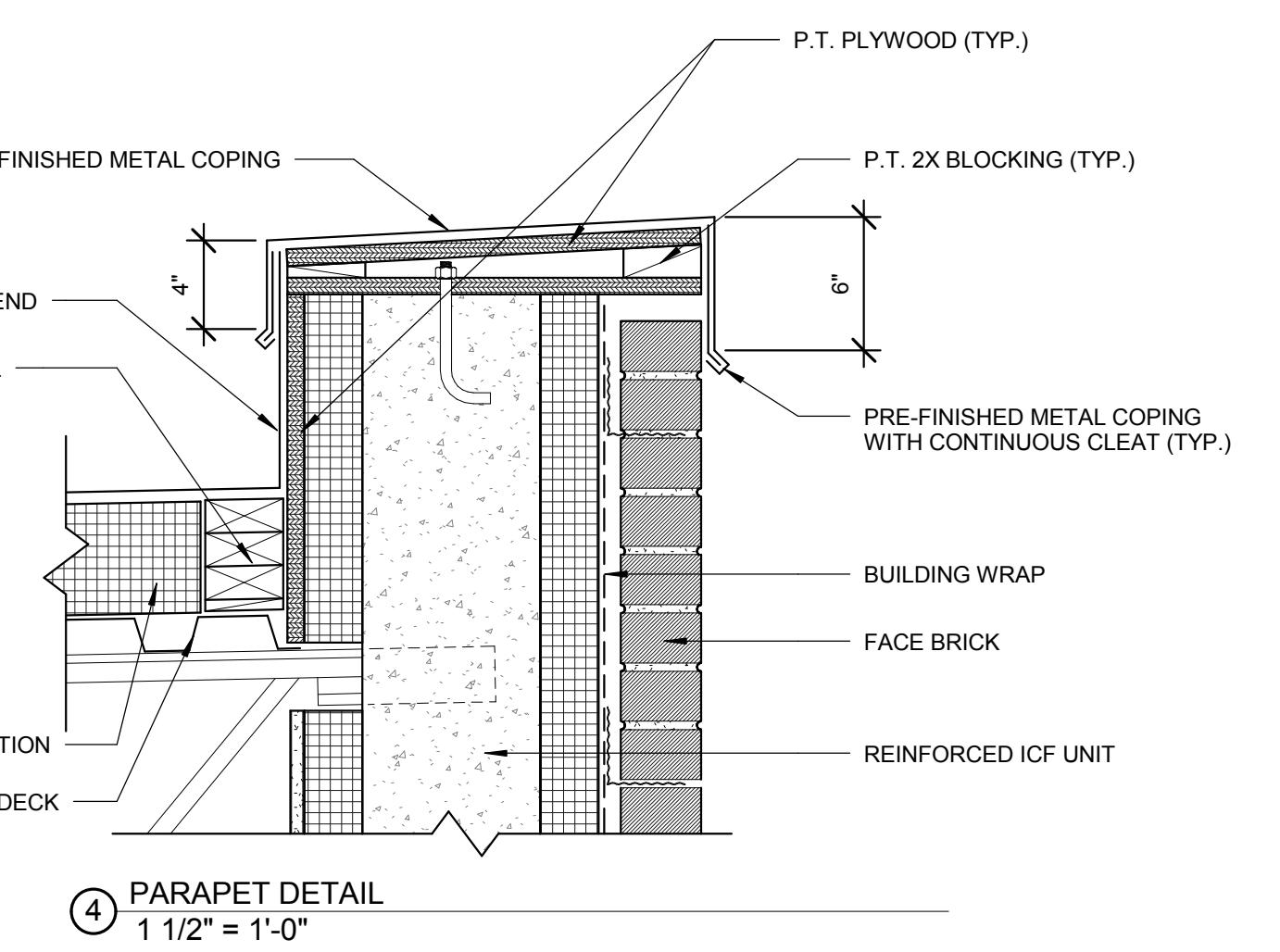
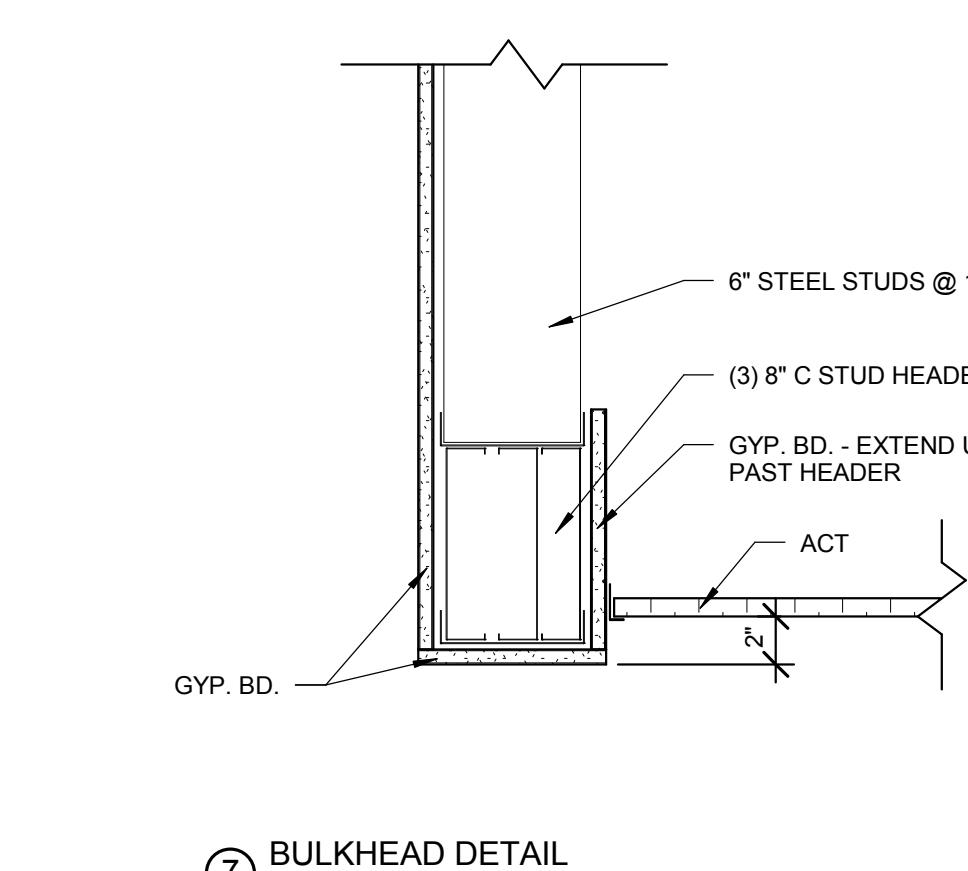
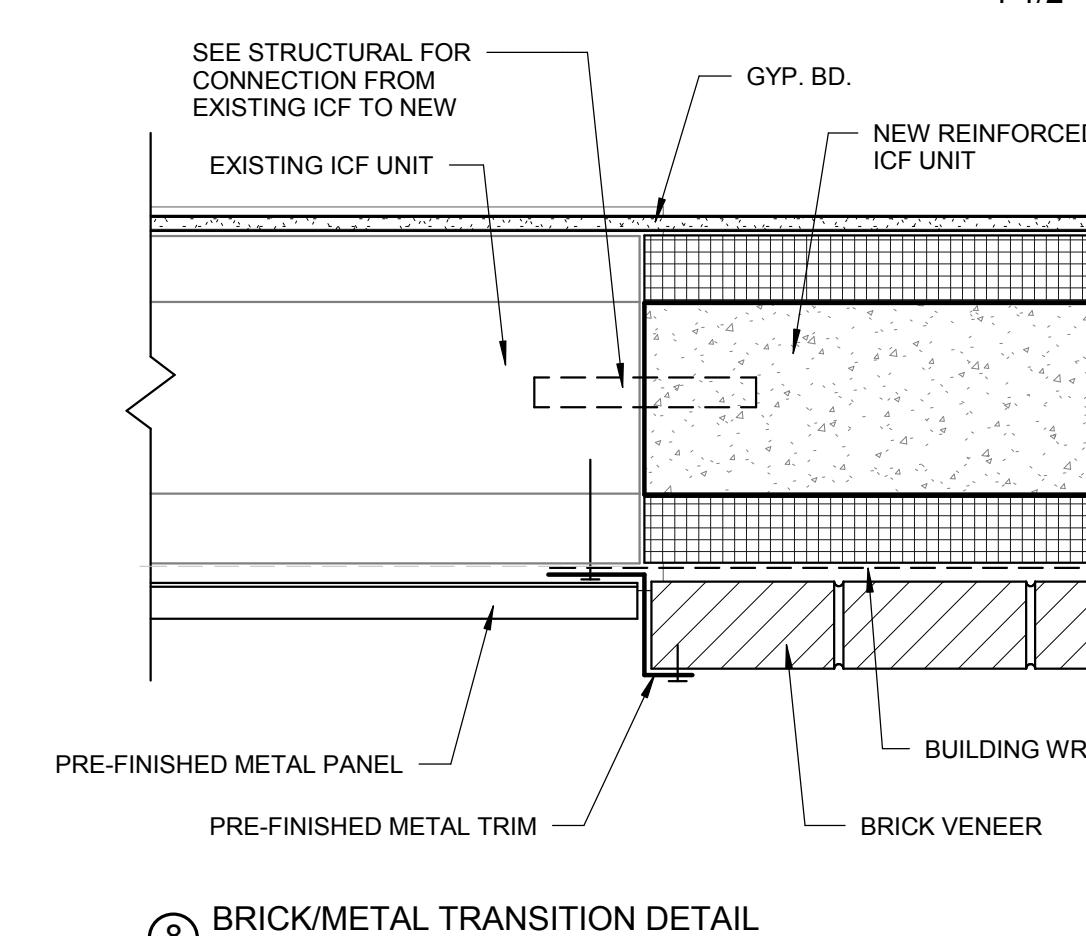
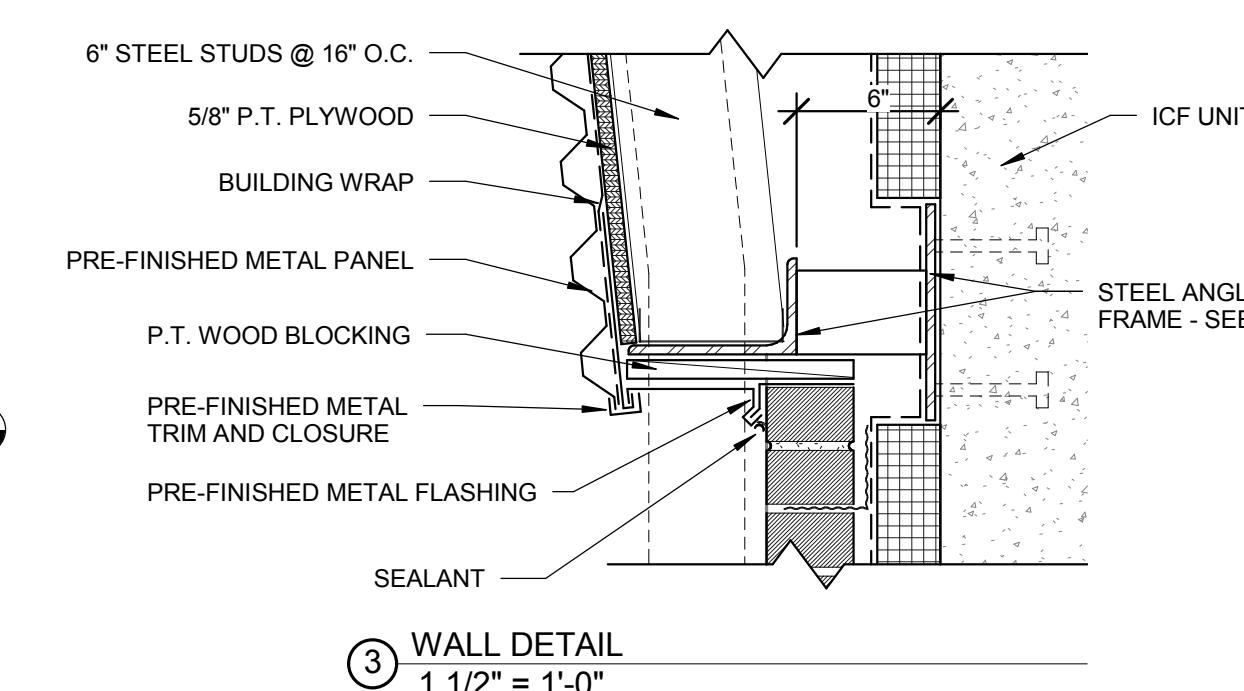
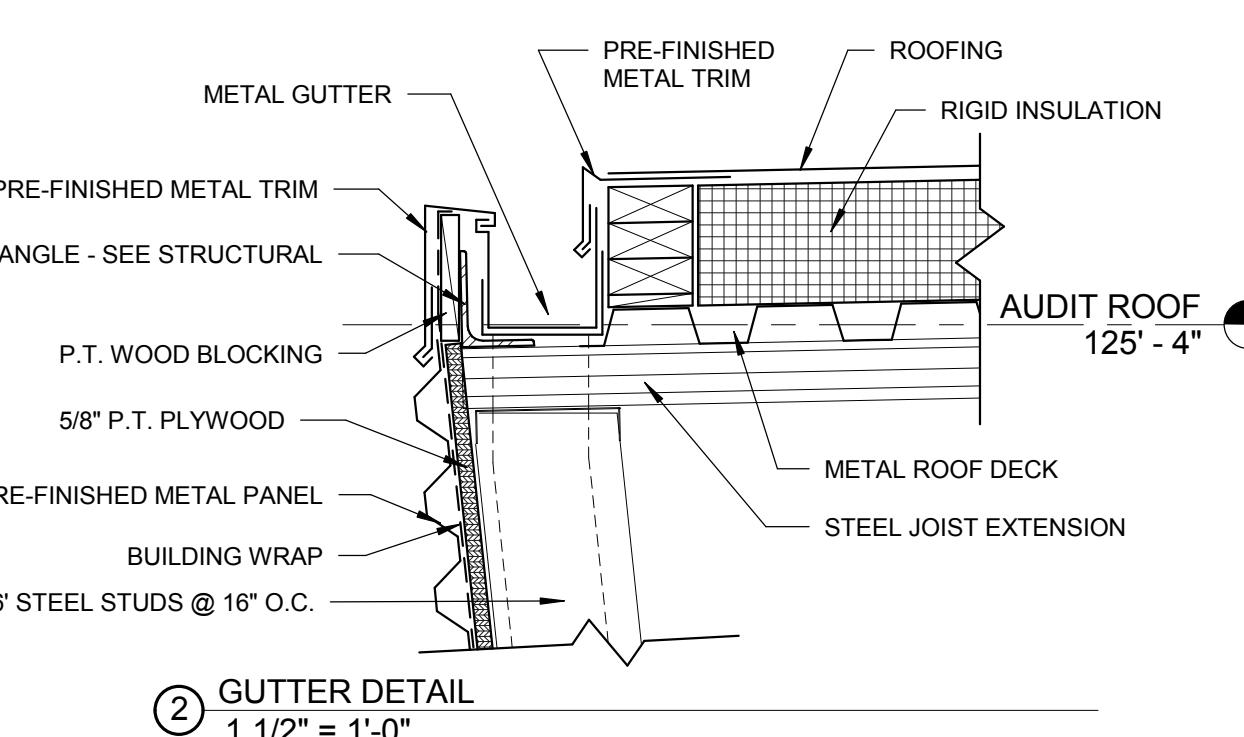
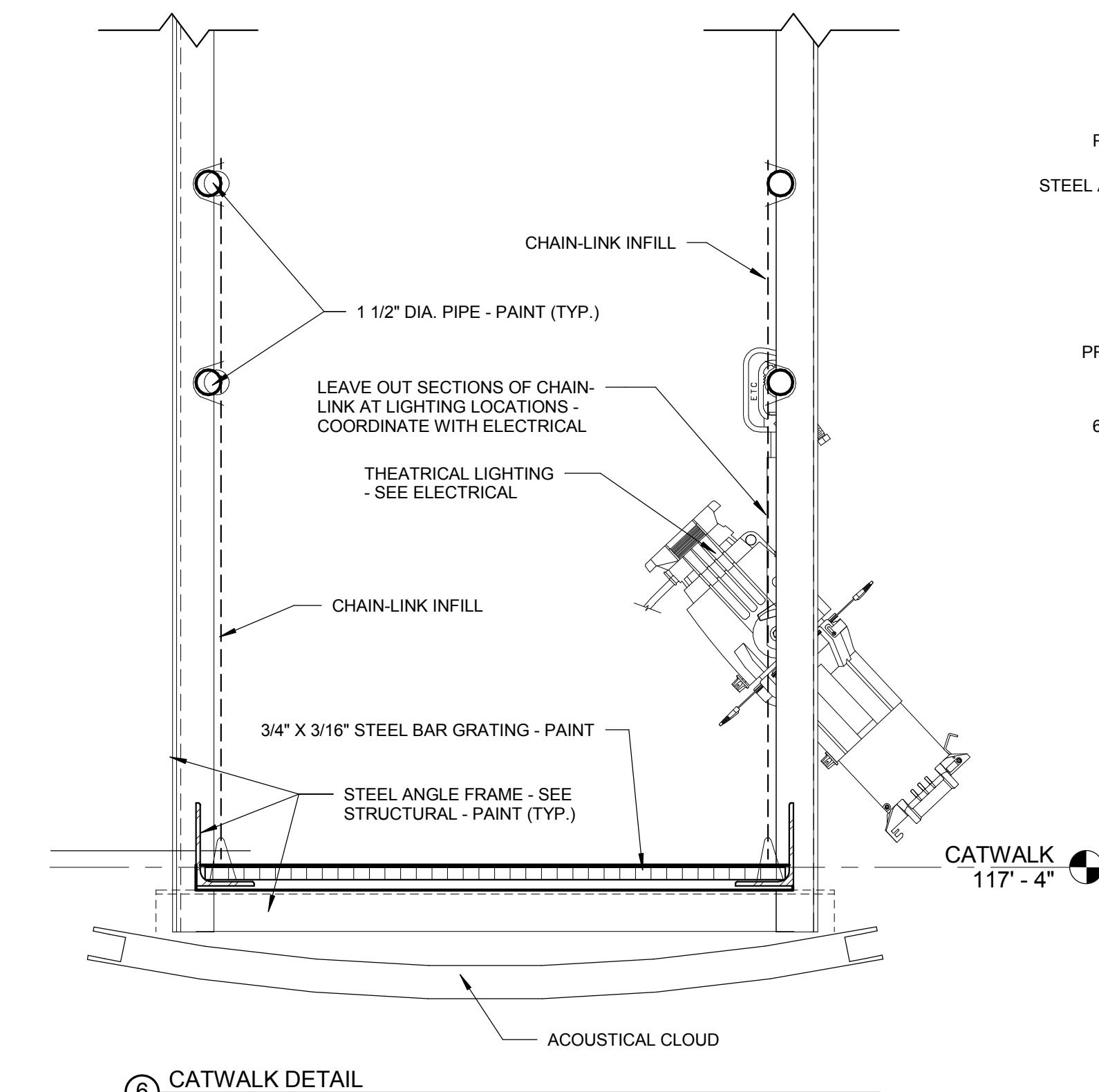
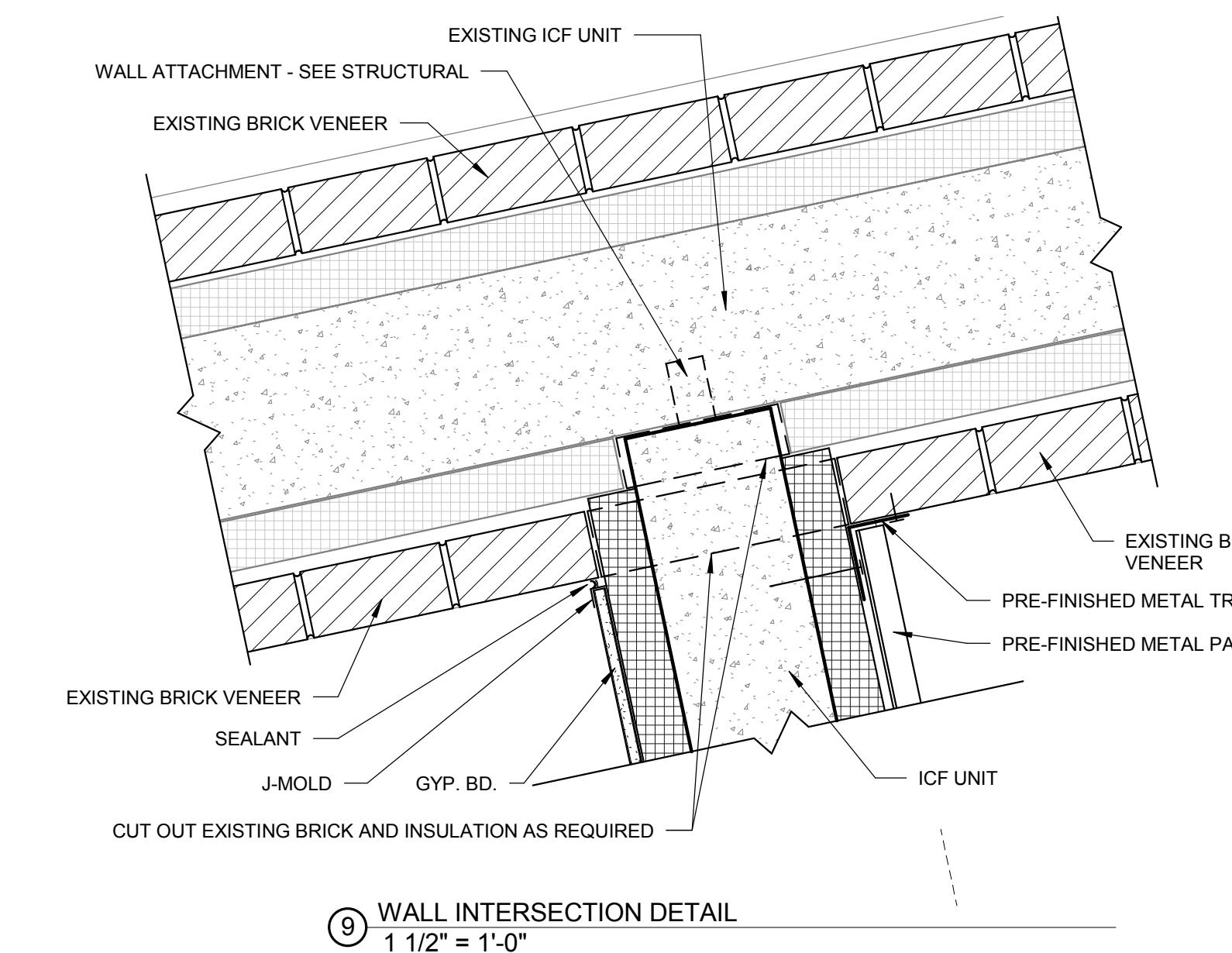
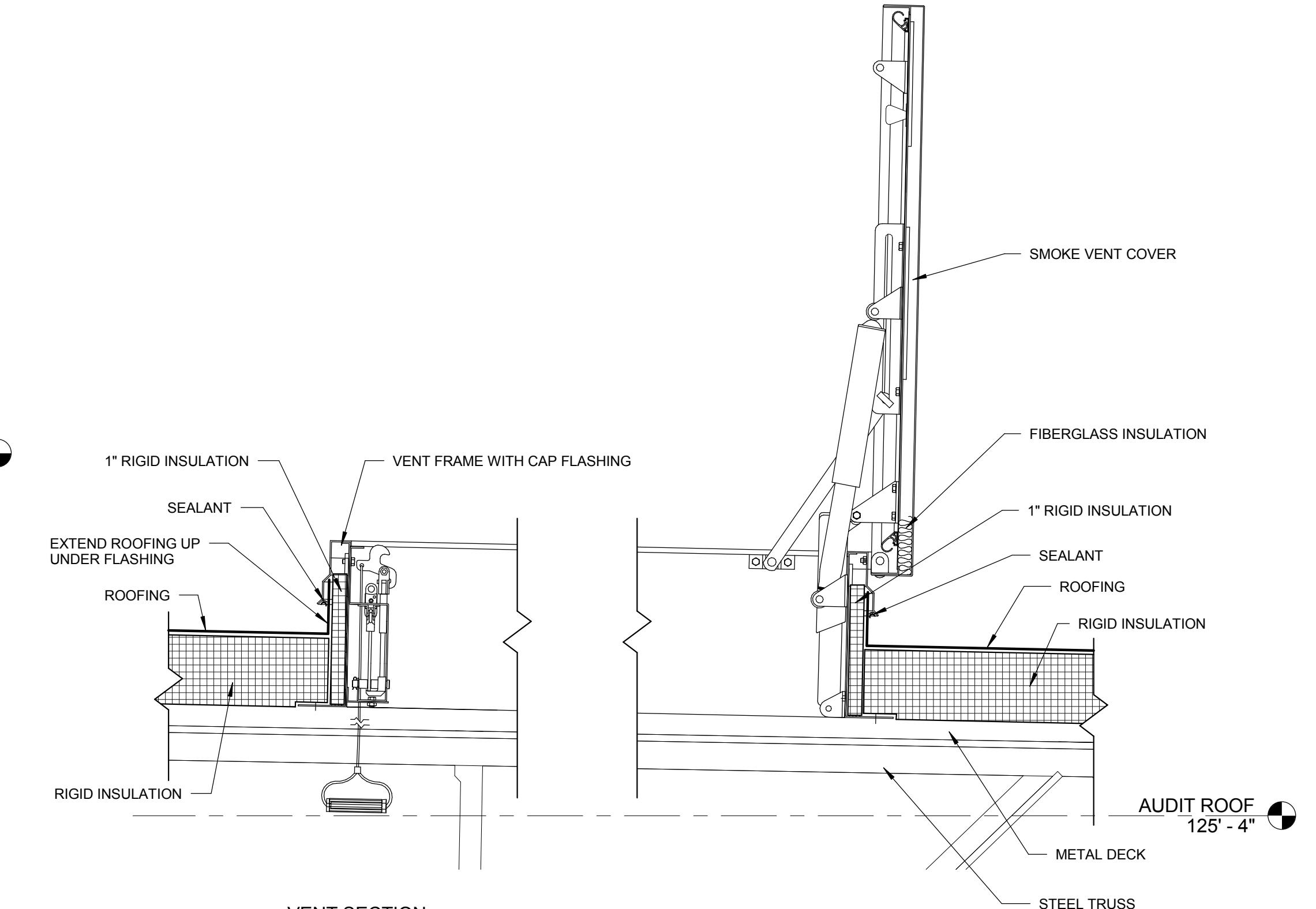
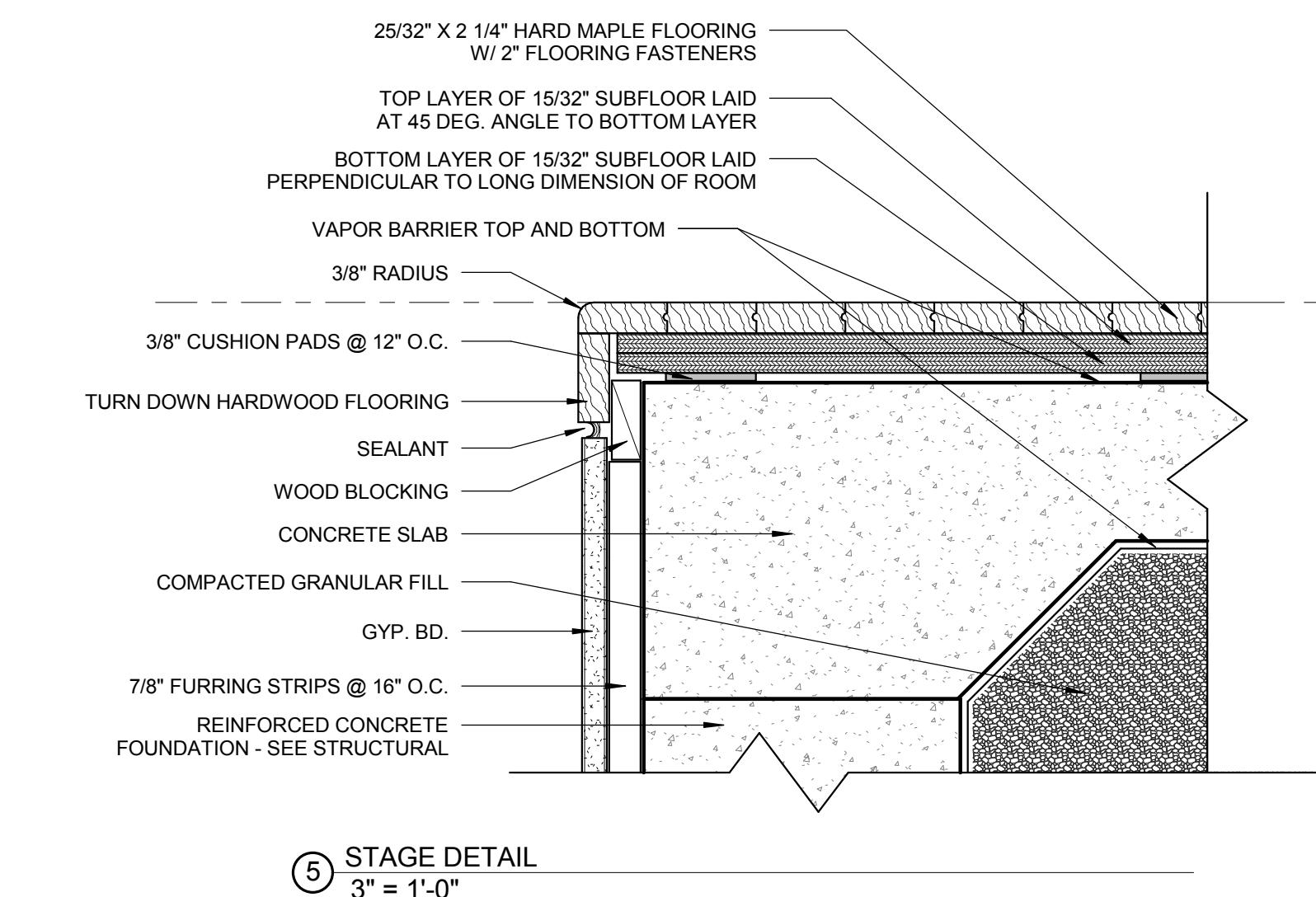
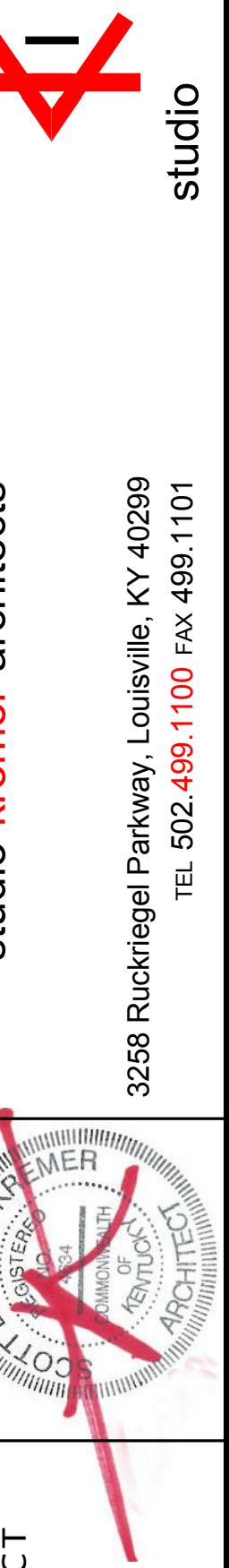
CONSTRUCTION DOCUMENTS

TYPICAL DETAILS	
THOMAS NELSON H.S. PHASE III	DESIGNED TO EARN THE GREEN BIRD'S EYE Nelson County Schools - West Campus

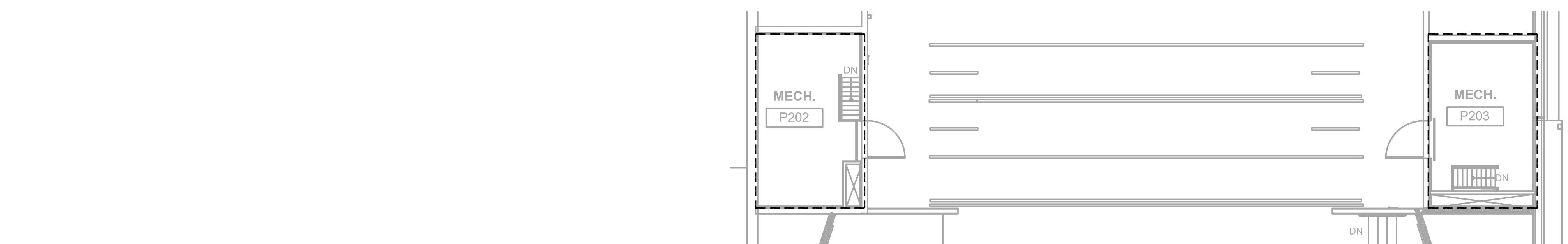
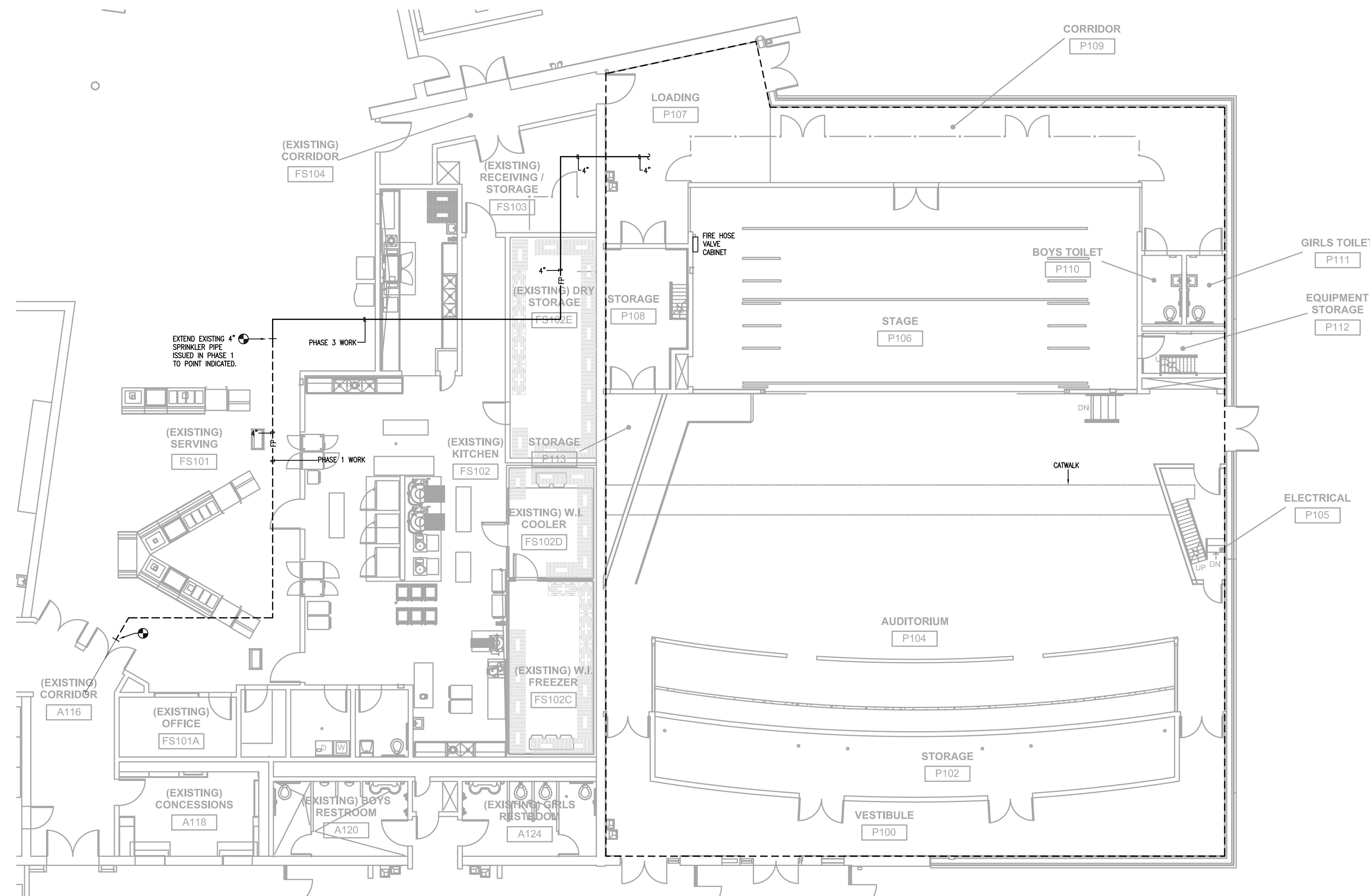
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DATE : 12/8/2015
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PHASE - 3

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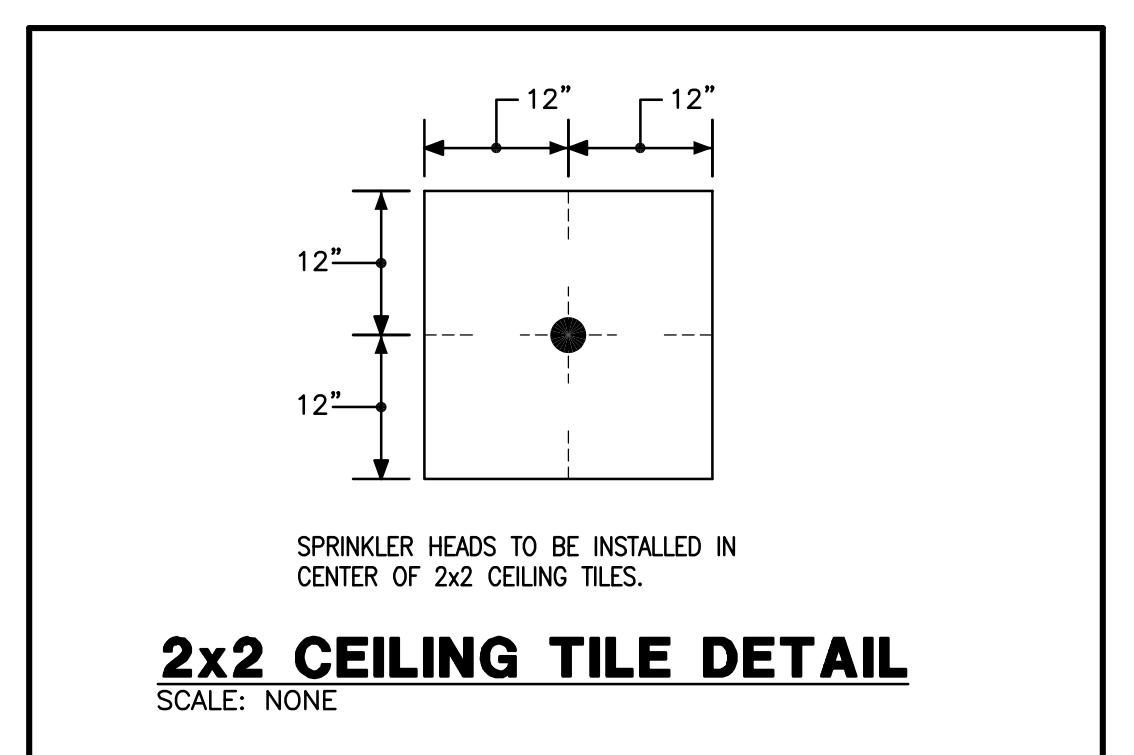


CONSTRUCTION DOCUMENTS



FIRE PROTECTION DESIGN NOTES:	
1. THE ENTIRE BUILDING SHALL BE 100% COVERED WITH A FIRE PROTECTION SYSTEM DESIGNED IN ACCORDANCE WITH NFPA 13. THE OUTLINED AREA SHALL BE PROTECTED WITH A WET TYPE SYSTEM.	
2. THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL OBTAIN AND UTILIZE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR LAYING OUT SPRINKLER HEADS.	
3. THE ENTIRE OUTLINED AREA SHALL HAVE "SEMI-RECESSED" TYPE SPRINKLER HEADS UNLESS OTHERWISE NOTED ON THE PLANS. HEADS SHALL BE FED IN A RETURN-BEND ARRANGEMENT.	
4. UTILIZE UPRIGHT AND/OR WALL MOUNTED TYPE SPRINKLER HEADS IN AREAS WITHOUT CEILINGS. ALL PIPING WITHIN THE THEATRE SHALL BE ROUTED THROUGH THE JOIST.	
5. ALL SPRINKLER HEADS SHALL BE CENTERED IN BOTH DIRECTIONS OF A 2' x 2' CEILING TILE. REFER TO CEILING GRID DETAIL.	
6. HVAC DUCTWORK MAINS SHALL BE INSTALLED PRIOR TO FIRE PROTECTION PIPING. PROVIDE DRAIN VALVES IN THE FIRE PROTECTION SYSTEM WHERE NECESSARY TO COMPLETELY DRAIN THE SYSTEM.	
7. PROVIDE ALL REQUIRED DRAIN PIPING TO TEST FLOW SWITCHES. DISCHARGE DRAIN PIPING TO OUTDOORS.	
8. SIZE ALL FIRE PROTECTION PIPING IN ACCORDANCE WITH NFPA 13. PIPE SIZING SHALL BE ACCOMPLISHED USING HYDRAULIC CALCULATIONS.	
9. SUBMIT HYDRAULIC CALCULATIONS AND SYSTEMS DESIGN FOR REVIEW TO: THE M/E ENGINEER.	
10. ALL EXPOSED PIPING WITHIN THE THEATER SHALL BE PAINTED. REFER TO ARCHITECTURAL SPECIFICATIONS.	
11. ALL SPRINKLER HEADS LOCATED IN SOFFITS SHALL BE FULLY RECESSED WITH WHITE CAPS.	
12. REFER TO SPECIFICATIONS FOR DIFFERENT SPRINKLER HEAD TYPES.	

FIRE PROTECTION LEGEND	
SPRINKLER HEAD WITH REMOVABLE ESCUTCHEON PLATE	●
UPRIGHT TYPE SPRINKLER HEAD	○
SIDEWALL TYPE SPRINKLER HEAD	▼
NEW FIRE PROTECTION PIPING	FP
DOUBLE CHECK VALVE	Z
NEW O.S.&Y VALVE	X
TAMPER SWITCH	TS
FLOW SWITCH	FS
PIPING RISE UP	○
PIPING DOWN	G



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FLOOR PLAN - FIRE PROTECTION NELSON COUNTY SCHOOLS - WEST CAMPUS PHASE III THOMAS NELSON H.S. 2885 NEW SHEPHERDVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004	
BG 15-229 DATE : 12/07/2015 DRAWN BY : CG CHECKED BY : DH REVISIONS :	
2011-02 PHASE - 3	
FP1.1 HS	

CONSTRUCTION DOCUMENTS

PLUMBING SCHEDULES & DETAILS

NELSON COUNTY SCHOOLS - WEST CAMPUS

THOMAS NELSON H.S.
PHASE III
2885 NEW SHEPHERDVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

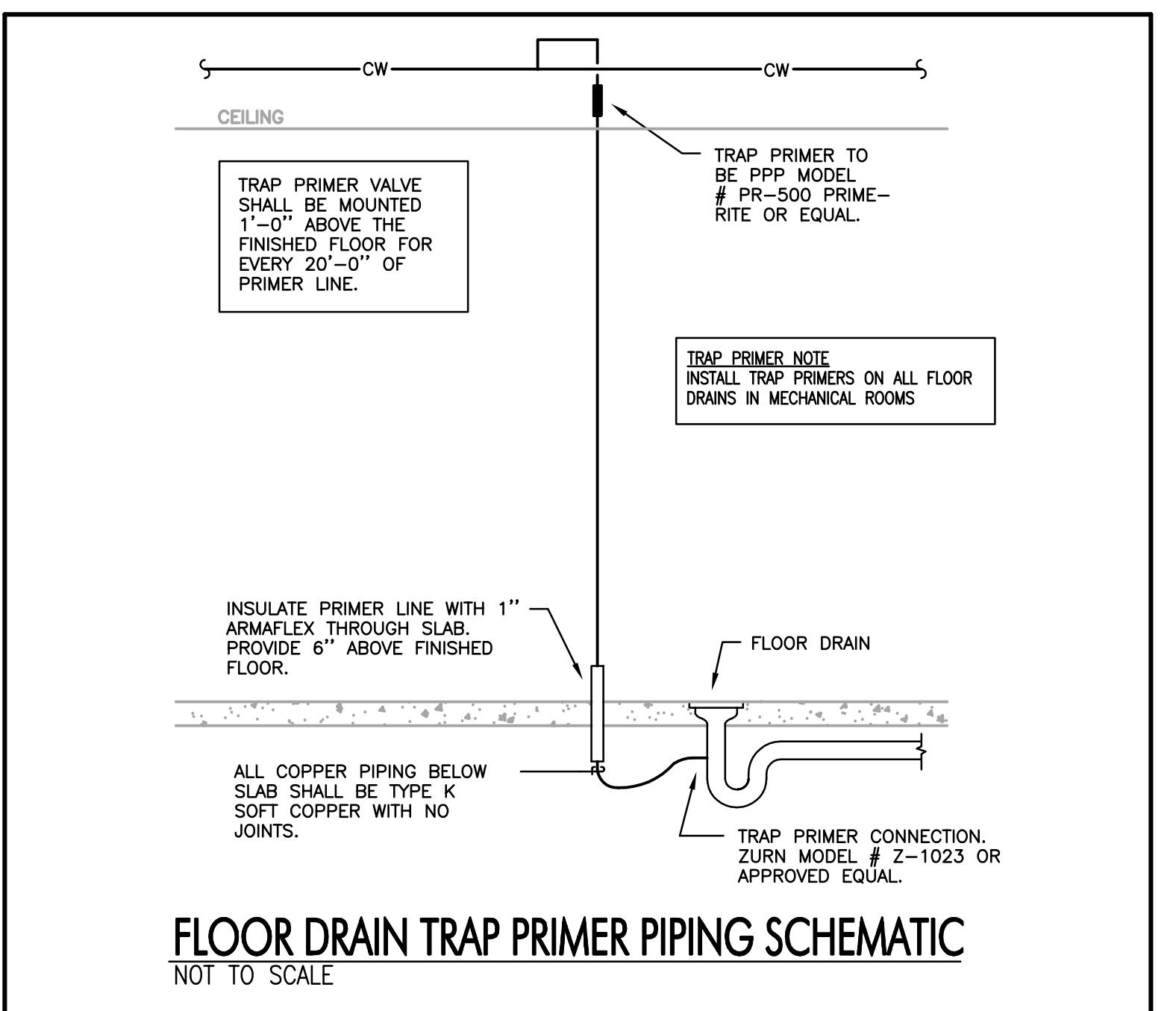
DATE : 12/07/2015
DRAWN BY : CG
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2011-02
PHASE - 3

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HS

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PLUMBING/MEDICAL GAS LEGEND	
TYP	TYPICAL
NTS	NOT TO SCALE
FD	FLOOR DRAIN
HB	HOSE BIB
POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK	POINT OF DEMOLITION
CAP	POINT OF DEMOLITION AND CAP.
E(NAME)	EXISTING PIPING (THIN SOLID LINE)
SAN	SANITARY PIPING
SS	STORM PIPING
V	SANITARY VENT PIPING
—	DOMESTIC COLD WATER PIPING
—	DOMESTIC HOT WATER (110°F.) PIPING
—	DOMESTIC HOT WATER (110°F.) RETURN PIPING
○	(TURNED UP/DOWN) PIPING ELBOW
○—○	PIPE TEE (TURNED UP/DOWN)
—○—○	PIPE VALVE
—○—○—○	BALL VALVE IN THE RISE

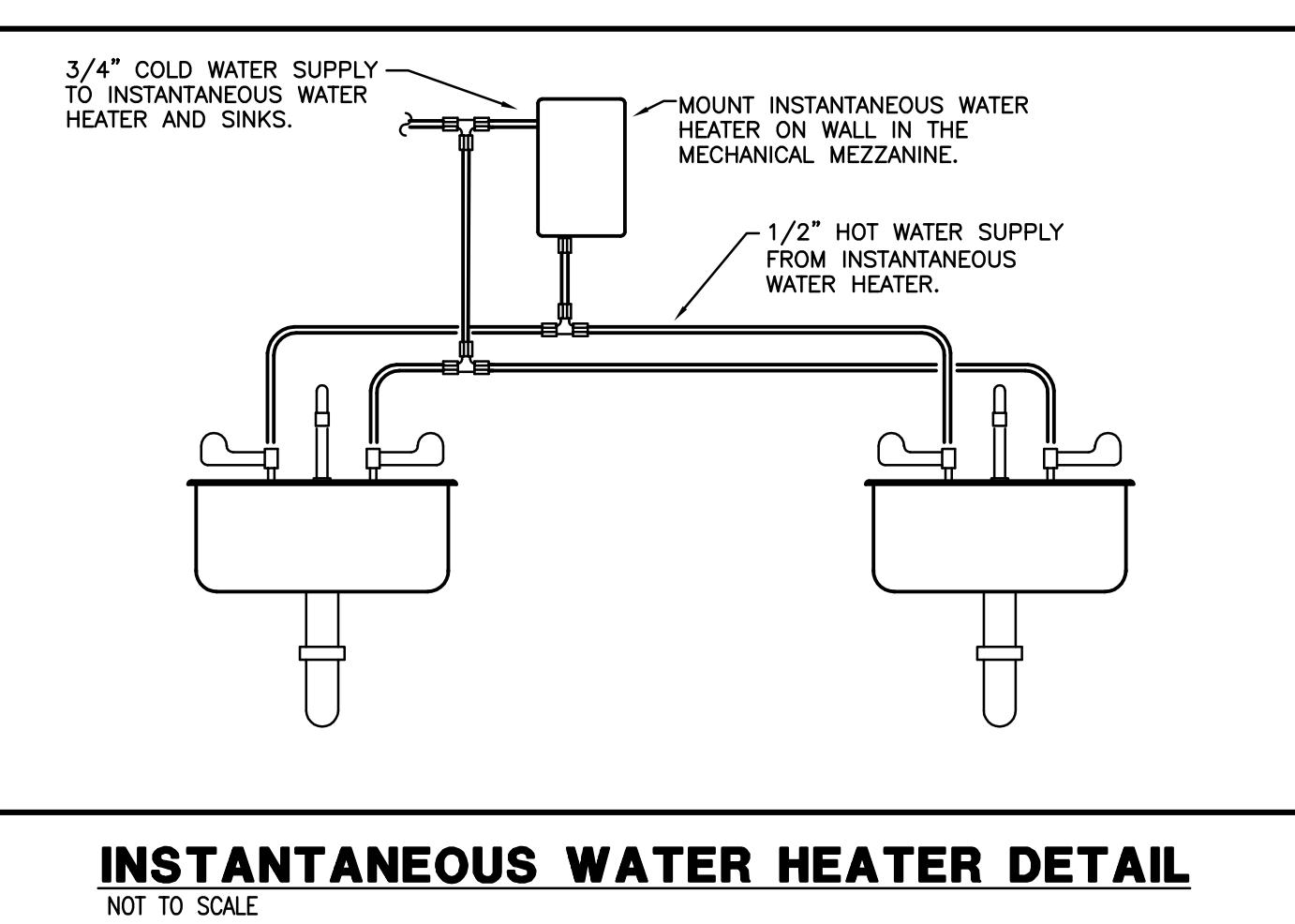
PLUMBING FIXTURE SCHEDULE					
DESIGNATOR	Fixture	CW	HW	SAN	VENT
P-1A	WATER CLOSET, WALL-HUNG, ADA	1/4"	--	4"	2"
P-2	LAVATORY, WALL HUNG, ADA	1/2"	1/2"	1/2"	1/2"
P-5	2 STATION ELECTRIC WATER COOLER	1/2"	--	1/2"	1/2"
P-12	DRINKING FOUNTAIN	1/2"	--	1/2"	1/2"
FD-1	FLOOR DRAIN 3" OUTLET	--	--	3"	1/2"
FD-3	MECHANICAL ROOM FLOOR DRAIN W/ TRAP PRIMER	--	--	4"	2"

NOTES:

- PIPE SIZES ARE AS INDICATED UNLESS OTHERWISE NOTED ON FLOOR PLANS AND RISER DIAGRAMS.
- MINIMUM 2" SANITARY PIPING UNDERGROUND.
- PROVIDE ALL REQUIRED PIPING TO FIXTURES INDICATED ON THE FLOOR PLANS, INDICATED WITH A "P" DESIGNATION. PROVIDE PIPING OF SIZE INDICATED IN THIS SCHEDULE.
- PIPE ALL EQUIPMENT (SUPPLIED BY OTHERS) AS REQUIRED TO OBTAIN A FULL AND OPERATIONAL SYSTEM. PROVIDE BACKFLOW PROTECTION AS IF REQUIRED BY THE DETAILS AND BY THE KENTUCKY PLUMBING CODE. ALL EQUIPMENT SHALL BE CONNECTED PER THE MANUFACTURER'S REQUIREMENTS. THE PLUMBING CONTRACTOR SHALL ALSO INSTALL ANY DRAIN PIPING CONNECTIONS AND SPILL INDIRECTLY TO EITHER AN OPEN RECEPTICAL OR FLOOR DRAIN. REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT OF ALL EQUIPMENT.

ELECTRIC WATER HEATERS						
TAG	MANUFACTURER	MODEL	KW	V/PHASE	GAL. STORAGE	RECOVERY @ 80° RISE
WH-1	EEMAX	SINGLE POINT SP4208	4.1	208/1Ø	N/A	N/A 56° @ 0.5 GPM

* EQUAL TO A.O. SMITH: LOCHINVAR, STATE
* EQUAL TO EEMAX: STIEBEL ELTRON, TAKAGI



CONSTRUCTION DOCUMENTS

FIRST FLOOR PLUMBING NELSON COUNTY SCHOOLS – WEST CAMPUS THOMAS NELSON H.S. PHASE III 288 WILDCAT LANE BARDSTOWN, KENTUCKY 40004 2885 NEW SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004	
DATE : 12/07/2015 DRAWN BY : CG CHECKED BY : DH REVISIONS :	
2011-02 PHASE - 3 P1 . 1 TS	

CONSTRUCTION DOCUMENTS

MECHANICAL LEGEND			
AFF	ABOVE FINISHED FLOOR		CONCENTRIC REDUCER
TYP	TYPICAL		BUTTERFLY VALVE
NTS	NOT TO SCALE		CHECK VALVE
NO	NORMALLY OPEN		GLOBE VALVE
NC	NORMALLY CLOSED		O S & Y VALVE (GATE)
	CONNECT TO EXISTING		PRESSURE REDUCING VALVE (STEAM)
			SAFETY OR RELIEF VALVE
			PRESSURE REDUCING VALVE (WATER)
E(NAME)	EXISTING PIPING (THIN SOLID LINE)		
CD	CONDENSATE DRAIN LINE		REDUCED PRESSURE BACKFLOW PREVENTER
GS	GEOTHERMAL WATER SUPPLY		CONTROL VALVE (2-WAY)
GR	GEOTHERMAL WATER RETURN		CONTROL VALVE (3-WAY)
	EXISTING OUTSIDE AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)		TRIPLE DUTY VALVE
	SUPPLY AIR DUCT - INSIDE DIMENSION - 20" HORIZ. X 12" VERT. (TURNED UP/DOWN)		THERMOMETER
	RETURN AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)		DIGITAL THERMOMETER
	EXHAUST AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)		MANUAL AIR VENT
	OUTSIDE AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)		PRESSURE GAUGE
	FLEXIBLE DUCT		PIPING ELBOW (TURNED UP/DOWN)
	ACCESS DOOR IN BOTTOM OF DUCT		PIPING TEE (TURNED UP/DOWN)
	ACCESS DOOR IN SIDE OF DUCT		FLEXIBLE CONNECTOR
	OPPOSED BLADE DAMPER (MOTORIZED)		FLANGE
	VOLUME DAMPER (MANUAL)		UNION
	FIRE DAMPER		DIELECTRIC UNION
	TURNING VANES		GATE VALVE (NORMALLY OPEN)
			GATE VALVE (NORMALLY CLOSED)
			PETE'S PLUG OR EQUIVALENT
			STRAINER
			GAS COCK
			BALANCING VALVE
			BALL VALVE
	TEMPERATURE SENSOR		INDICATES AIR DISTRIBUTION DEVICE SPECIFICATION (L=LOUVER, T=TRANSFER GRILLE, S=SUPPLY DIFFUSER OR REGISTER, R=RETURN GRILLE OR REGISTER, E=EXHAUST GRILLE OR REGISTER)
	THERMOSTAT		
	DUCT SMOKE DETECTOR		MECHANICAL EQUIPMENT DESIGNATOR
	CO2 SENSOR		

GENERAL NOTES (APPLICABLE TO ALL DRAWINGS):	
1.	EACH CONTRACTOR, SUPPLIER AND, OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS AND AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
2.	ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSERS' DISCRETION.
3.	INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC., IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING AND/OR THE COLLECTION OF CONDENSATION THEREON.
4.	OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
5.	ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT DONE SO SHALL BE REMOVED AND REINSTALLED SATISFACTORILY.
6.	WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
7.	DO NOT SCALE FROM DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
8.	THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL MATCH EXISTING ADJACENT SURFACES AND BE IN ACCORD WITH JCPS STANDARDS FOR SUCH WORK.
9.	TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCT WORK ELBOWS. TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUSTS.
10.	THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER LOCATIONS, DEPTHS, ELEVATIONS AND SIZES WERE TAKEN FROM DIFFERENT SOURCES AND ARE SUBJECT TO DEVIATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL PIPING, ETC AT THE TIME OF BID.
11.	WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATIONS IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANY WAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING INSTALLER.
12.	ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
13.	DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.
14.	COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, ETC. WITH ALL MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
15.	THE PURPOSE AND INTENT OF ALL THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
16.	ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
17.	INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
18.	ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING. DO NOT SUPPORT EQUIPMENT FROM WALLS OR PARTITIONS.
19.	DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
20.	THE GENERAL CONTRACTOR FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. EACH TRADE SHALL COORDINATE THEIR WORK WITH OTHER TRADES AND THE GENERAL CONTRACTOR.
21.	VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT.
22.	ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDUITS, PIPING, DUCTWORK, ETC. DO NOT BLOCK ACCESS TO VALVES, EQUIPMENT, DUCT ACCESS DOORS, ETC. ITEMS THAT HAVE BEEN INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
23.	INCLUDE IN BID ALL COST ASSOCIATED WITH DRAINING AND FILLING ALL PIPING SYSTEMS AS REQUIRED TO INSTALL WORK.

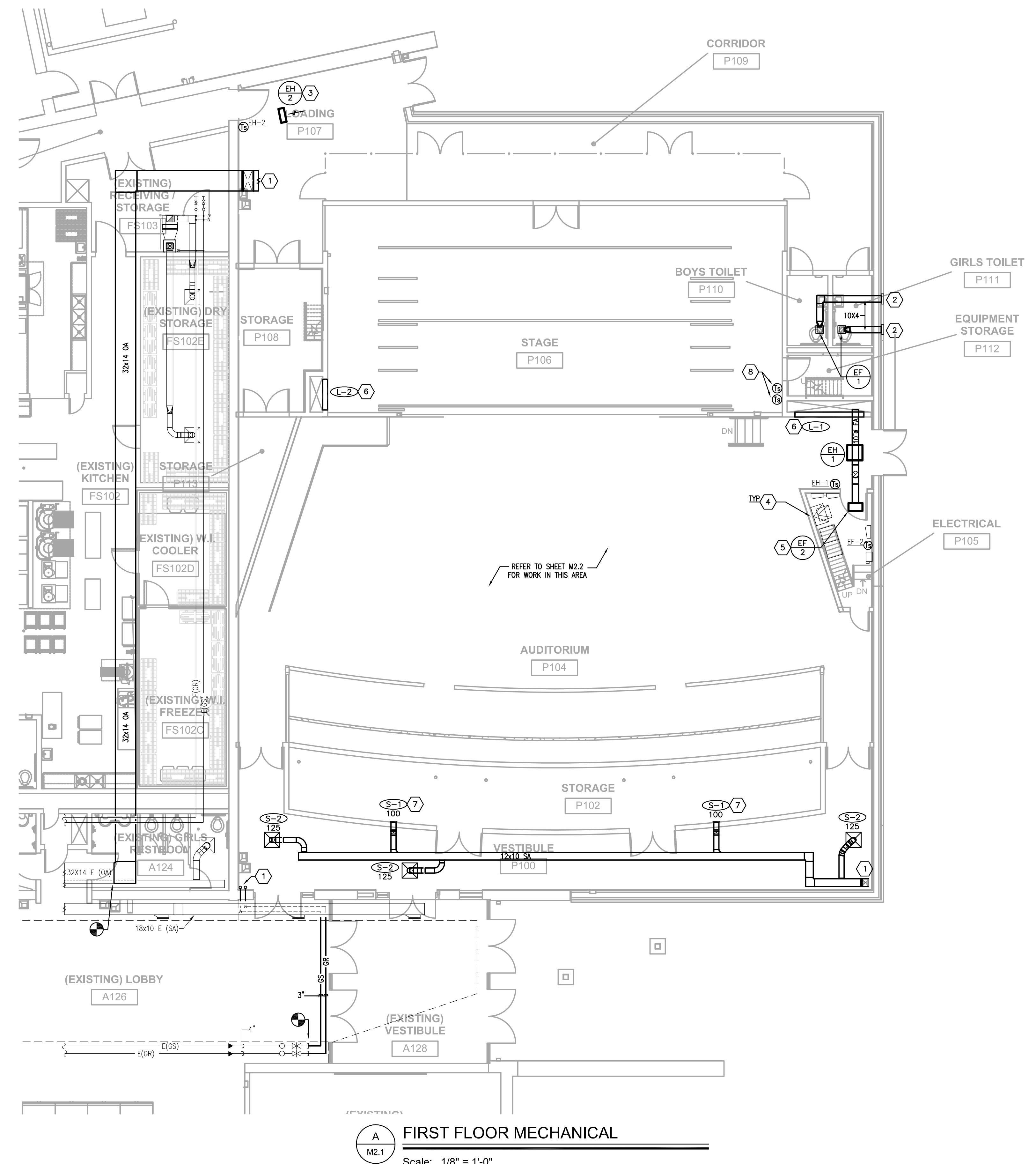
2011-02
PHASE - 3
M1.1
HS

BG 15-229
DATE : 12/07/2015
DRAWN BY : CG
CHECKED BY : DH
REVISIONS :
2011-02
PHASE - 3
M1.1
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BARDSTOWN, KENTUCKY 40004
STATE OF KENTUCKY
LICENCED PROFESSIONAL ENGINEER
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CONSTRUCTION DOCUMENTS



MECHANICAL TAG NOTES:	
1.	REFER TO DRAWING M2.2 FOR CONTINUATION OF DUCTWORK/PIPING.
2.	PROVIDE A RUSKIN BRICK VENT MODEL BY-100, 16X4 CLEAR ANODIZED ALUMINUM VENT. MOUNT BOTTOM OF VENT AT 8'-3" ABOVE THE FINISHED FLOOR.
3.	SUSPEND EH-2 FROM STRUCTURE; MOUNT THE BOTTOM AT 9'-0" ABOVE THE FINISHED FLOOR.
4.	ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK TO BE ROUTED OVER EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR MORE DETAIL.
5.	MOUNT THE BOTTOM OF THE EF-2 AT 9'-0" ABOVE THE FINISHED FLOOR. DISCHARGE THE 10" DUCT INTO THE RETURN AIR PLenum AS INDICATED.
6.	MOUNT THE BOTTOM OF THE LOUVER AT 16" ABOVE THE FINISHED FLOOR ELEVATION.
7.	MOUNT BOTTOM OF GRILLE AT 8'-4" ABOVE THE FINISHED FLOOR ELEVATION.
8.	PROVIDE TEMPERATURE SENSOR WITH OVERRIDE SWITCH.

REGISTERS, GRILLES AND DIFFUSER RUNOUT SCHEDULE			
GRILLE	DUCT SIZE	GRILLE	DUCT SIZE
S-1	8X4	S-3	10"
S-2	8"	S-4	12"

FIRST FLOOR MECHANICAL

NELSON COUNTY SCHOOLS - WEST CAMPUS

BG 15-229

DATE : 12/07/2015
DRAWN BY : CG
CHECKED BY : DH
REVISIONS :

2011-02

PHASE - 3

M2.1

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CONSTRUCTION DOCUMENTS

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The logo for CMITA is a circular emblem. The outer ring contains the words "CMITA" at the top and "CONSULTING" at the bottom, separated by a small gap. The inner circle contains the words "ENGINEERING" at the top and "CONSULTING" at the bottom, also separated by a small gap. The entire logo is rendered in a dark, monochromatic color scheme.

A circular seal for a professional engineer. The outer ring contains the text "STATE OF KENTUCKY" at the top and "PROFESSIONAL ENGINEER" at the bottom. The inner circle contains the name "BOUGAIS R. HUNDLEY, JR." and the number "44533" below it.

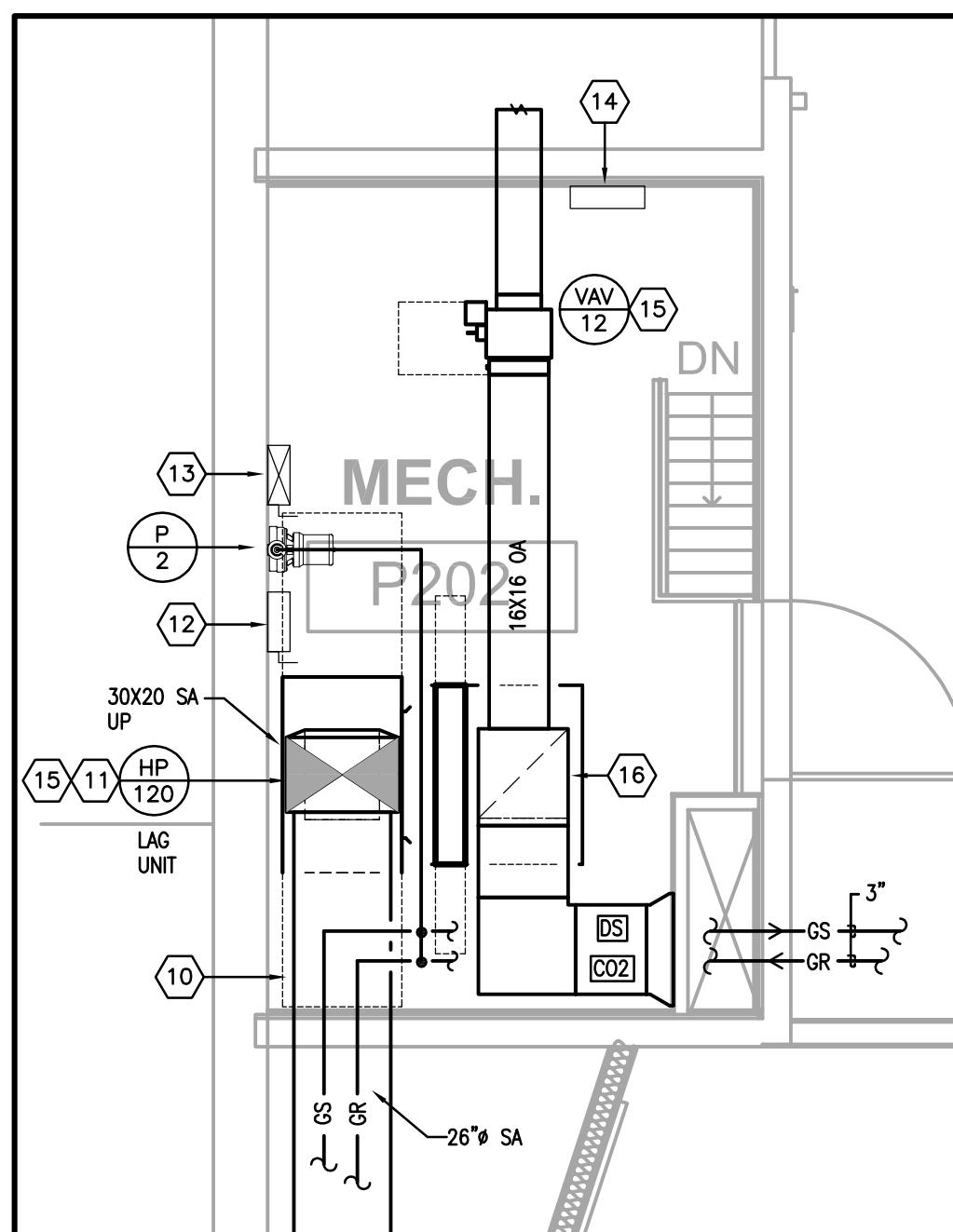
NELSON COUNTY SCHOOL DISTRICT
288 WILDCAT LANE
BARDSTOWN, KENTUCKY 40004

SECOND FLOOR MECHANICAL
ELSON COUNTY SCHOOLS – WEST CAMPUS
THOMAS NELSON H.S.
HASE III

BG 15-229

DATE : 12/07/2015
DRAWN BY : CG
CHECKED BY : DH
REVISIONS :

2011-02
PHASE - 3
M2.2
HS

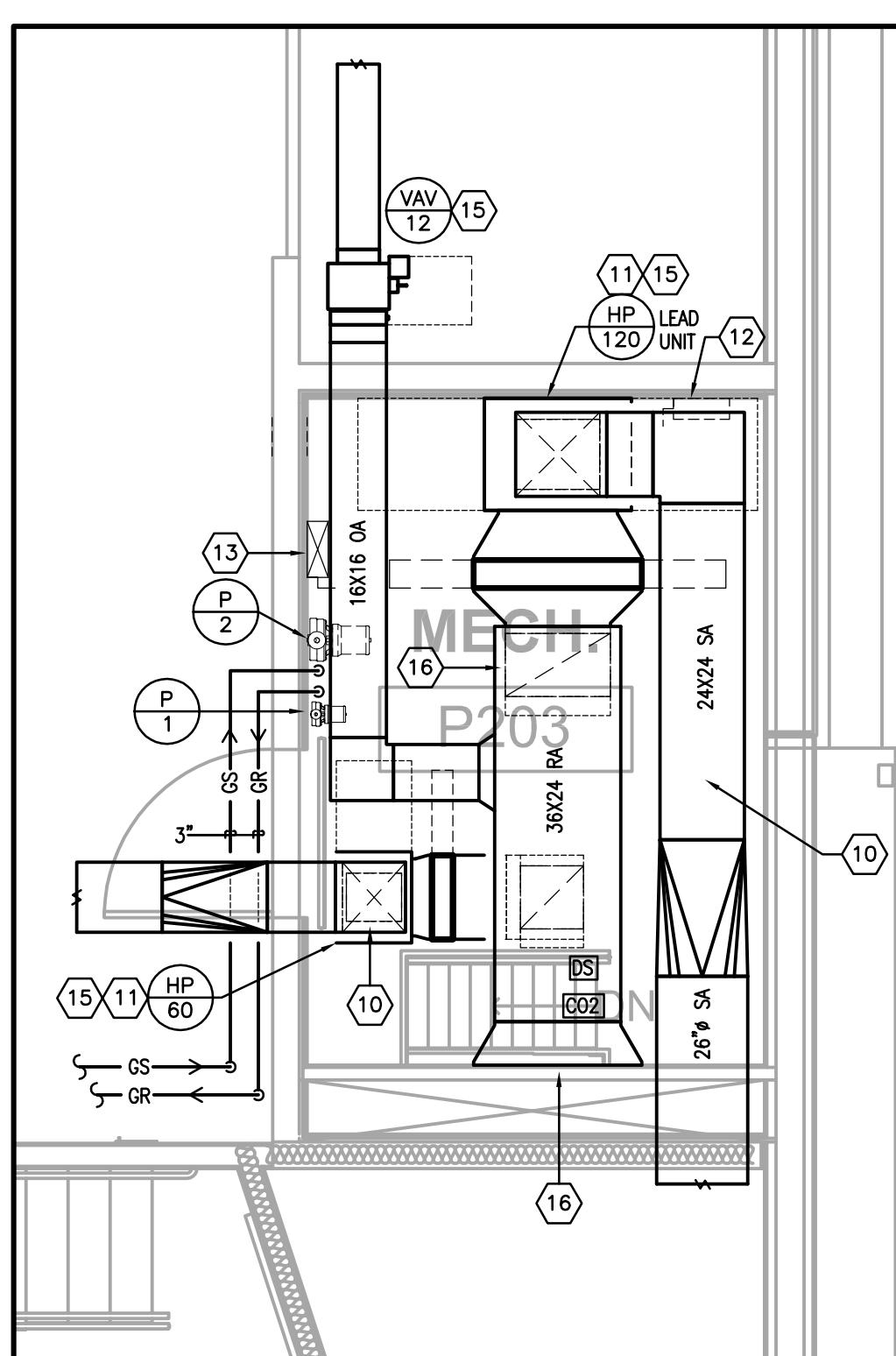




MECHANICAL MEZZANINE P202

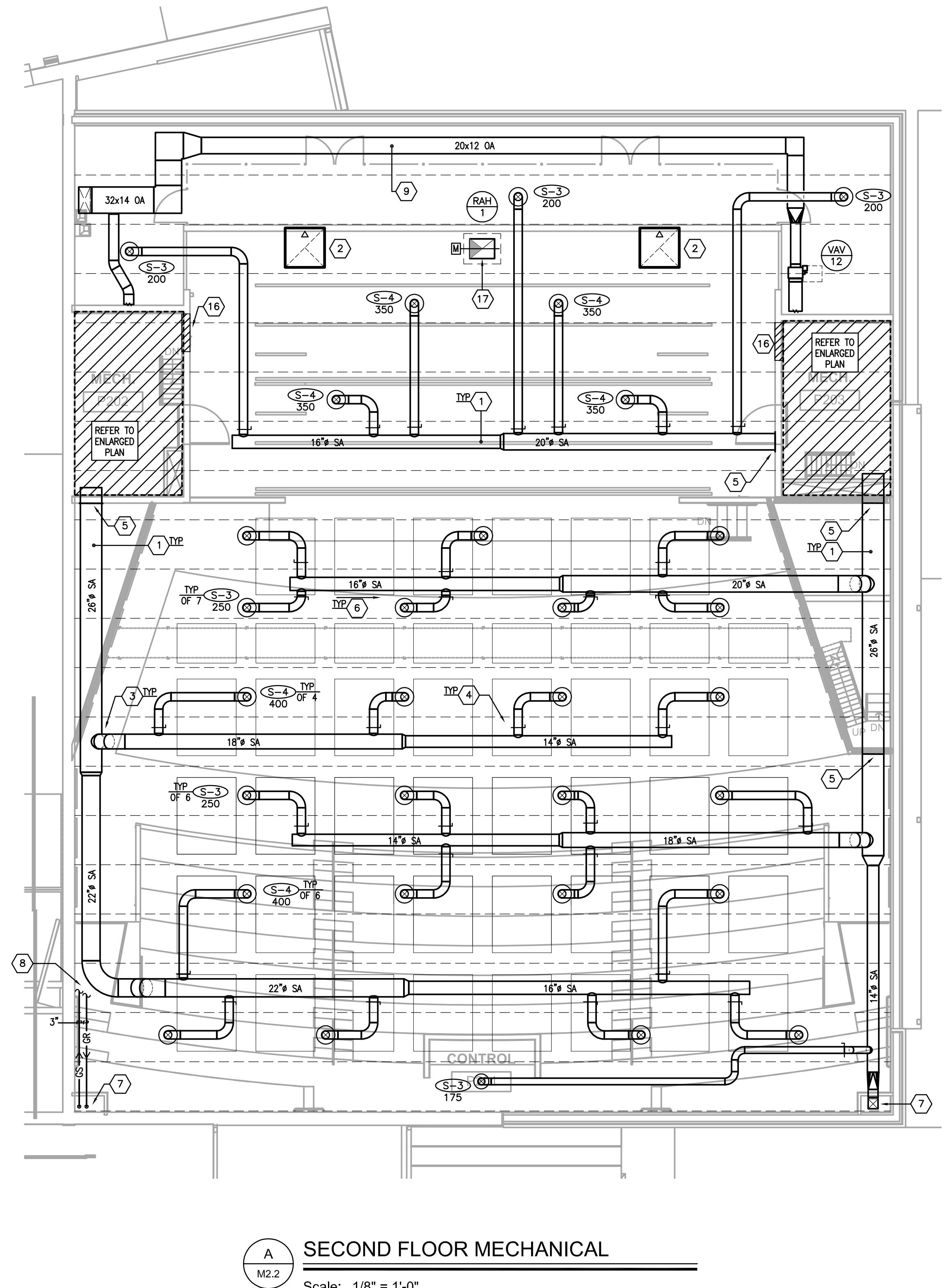
Scale: 1/4" = 1'-0"

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



MECHANICAL MEZZANINE P203

2.2 Scale: 1/4" = 1'



SECOND FLOOR MECHANICAL

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

GENERAL NOTE:

COORDINATE DIFFUSER LOCATIONS AND ELEVATIONS WITH ACOUSTICAL PANELS AND LIGHTS. REFER TO FLOOR PLANS FOR LOCATIONS.

MCHANICAL TAG NOTES: #

EXPOSED DUCTWORK TO BE DOUBLE WALL AND PAINTED; ARCHITECT TO SELECT COLOR. DUCTWORK TO BE SUSPENDED FROM STRUCTURE WITH AIRCRAFT CABLE.

NEW SMOKE VENT ON ROOF. PROVIDE ACOUSTICALLY RATED BILCO DOUBLE LEAF FIRE VENTS - MODEL ACDH6096 (ACCEPTABLE ALTERNATE MANUFACTURERS ARE NYSTROM OR MILCOR.) VENT TO BE OPERATED BY THERMOLATCH MECHANISM MANUALLY AT STAGE LEVEL OR BY HEAT AT 165° FUSIBLE LINK. PROVIDE ANY PULLEYS, CONDUIT AND ACCESSORIES NEEDED TO ROUTE CABLE TO STAGE LEVEL. COORDINATE OPENING WITH ROOF STRUCTURE SO THAT OPENING IS BETWEEN JOIST ROUTING. REFER TO STRUCTURAL PLANS FOR DETAILS.

ROUTE DUCTWORK UP BETWEEN JOISTS, TYPICAL OF BRANCH DUCTWORK. MOUNT DUCT TAKE-OFF AT 45° OFF OF THE DUCT MAIN.

HIGH EFFICIENCY DUCT TAKEOFF; REFER TO DETAIL ON SHEET M4.1 FOR ADDITIONAL INFORMATION, TYPICAL.

PATCH HOLE AROUND DUCT OPENING AIR TIGHT AND COVER WITH AN ESCUTCHEON PLATE. ALL PENETRATIONS SHALL BE ACOUSTICALLY SEALED. REFER TO THE DUCT WALL PENETRATION DETAIL ON SHEET M4.1 FOR ADDITIONAL INFORMATION.

SLOPE DUCTWORK WITH STRUCTURE, TYPICAL.

REFER TO DRAWING M2.1 FOR CONTINUATION OF DUCTWORK/PIPING.

ROUTE 3" GS/GR ABOVE DUCTWORK TO MECHANICAL MEZZANINE. REFER TO ENLARGED PLANS ON THIS SHEET FOR CONTINUATION.

EXPOSED DUCTWORK TO BE PROVIDED WITH RIGID INSULATION AND CANVAS JACKET. PAINT CANVAS JACKET; ARCHITECT TO SELECT COLOR. DUCTWORK TO BE SUSPENDED FROM STRUCTURE WITH AIRCRAFT CABLE.

PROVIDE ACOUSTICAL WRAP ON SUPPLY AIR DUCTWORK BEFORE EXISTING MECHANICAL MEZZANINE.

PROVIDE A VIBRATION ISOLATION PAD (RUBBER OR CORK) AT UNIT BASE.

PROVIDE A FUSIBLE DISCONNECT FOR HEAT PUMP. REFER TO ELECTRICAL DRAWINGS FOR MORE DETAIL.

PROVIDE A PUMP STARTER/DISCONNECT. REFER TO ELECTRICAL DRAWINGS FOR MORE DETAIL.

PROVIDE AN ELECTRICAL PANEL. NO PIPING OR DUCTWORK TO BE ROUTED OVER EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR MORE DETAIL.

MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCE FOR EQUIPMENT.

INTERNAL LINE ALL RETURN AIR DUCTWORK AND PLENUM WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION.

ROUTE 30X24 UP TO RELIEF AIR HOOD ON ROOF. TRANSITION TO HOOD OPENING AS REQUIRED. PROVIDE $\frac{1}{2}'' \times \frac{1}{2}''$ MESH SCREEN ON DUCT OPENING.

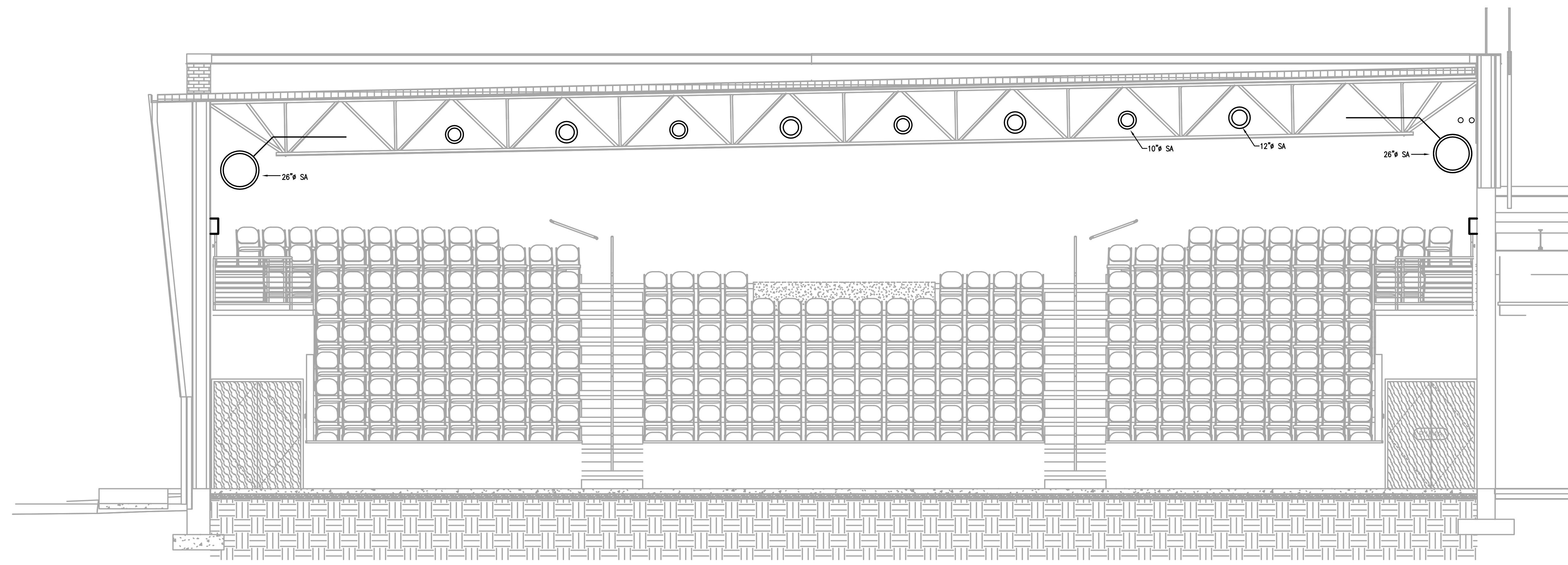
REGISTERS, GRILLES AND DIFFUSER RUNOUT SCHEDULE			
GRILLE	DUCT SIZE	GRILLE	DUCT SIZE
S-1	8X4	S-3	10"Ø
S-2	8"Ø	S-4	12"Ø

PIPE RUNOUT SCHEDULE				
UNIT	FLOWRATE (GPM)	PIPE SIZE	HOSE KIT SIZE	CONDENSATE PIPE SIZE
HP-60	14.0	1 1/2"	1 1/2"	3/4"
HP-120	28.0	2"	2"	1"

CONSTRUCTION DOCUMENTS

MECHANICAL SECTION	MECHANICAL SECTIONS	NELSON COUNTY SCHOOLS - WEST CAMPUS 288 WILDCAT LANE BARDSTOWN, KENTUCKY 40004
BG 15-229	NELSON COUNTY SCHOOLS - WEST CAMPUS PHASE III 2885 NEW SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004	DATE : 12/07/2015 DRAWN BY : CG CHECKED BY : DH REVISIONS :
2011-02	PHASE - 3	
M3.1		

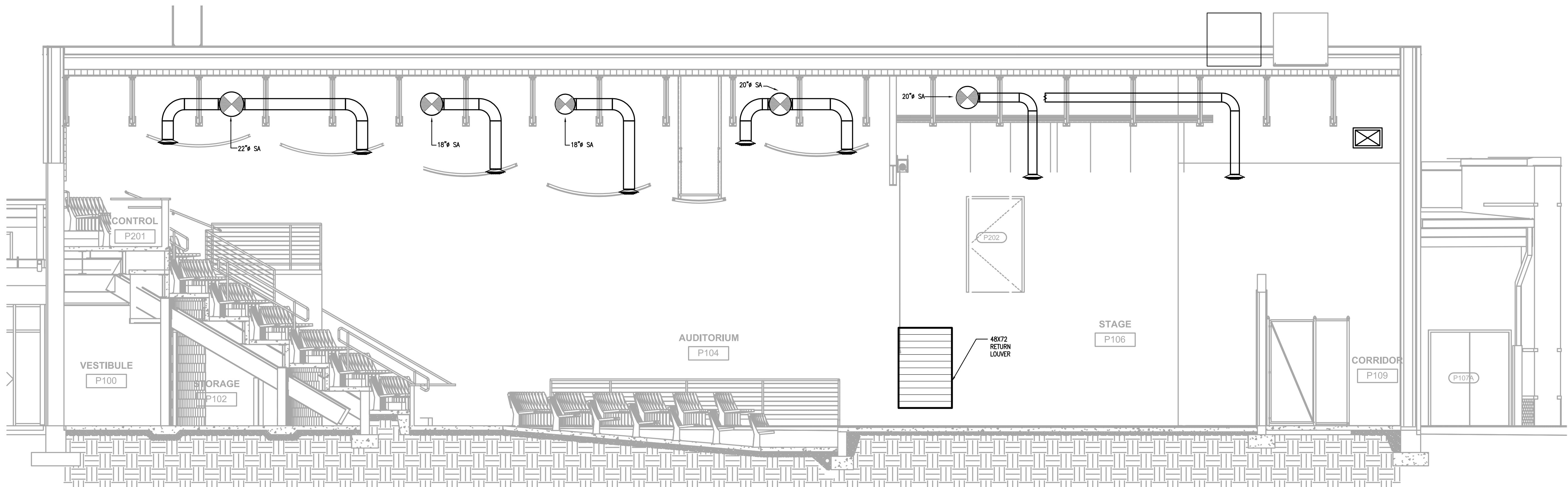
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A MECHANICAL SECTION

M3.1

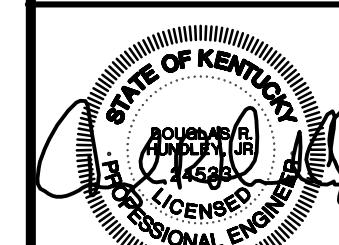
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B MECHANICAL SECTION

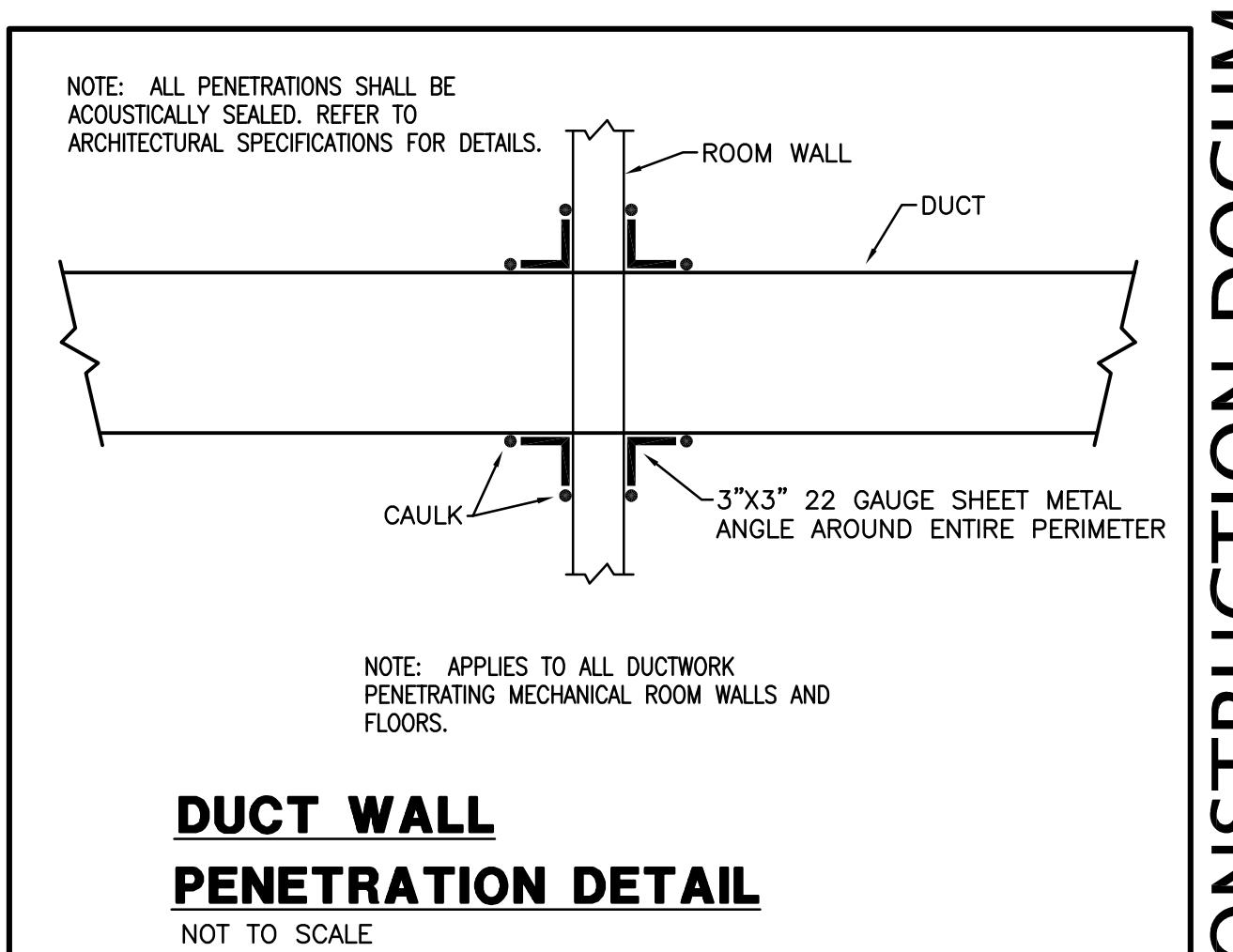
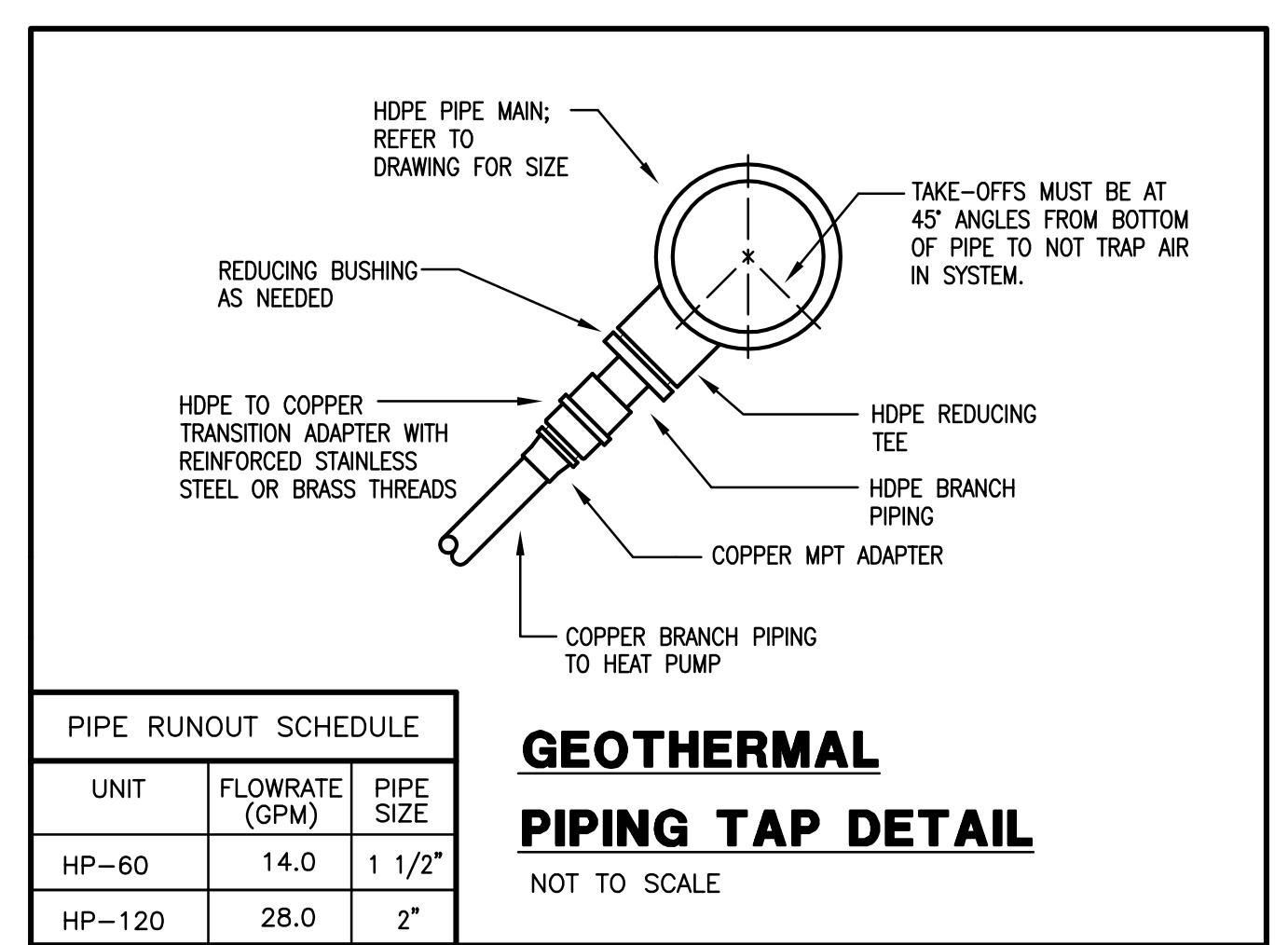
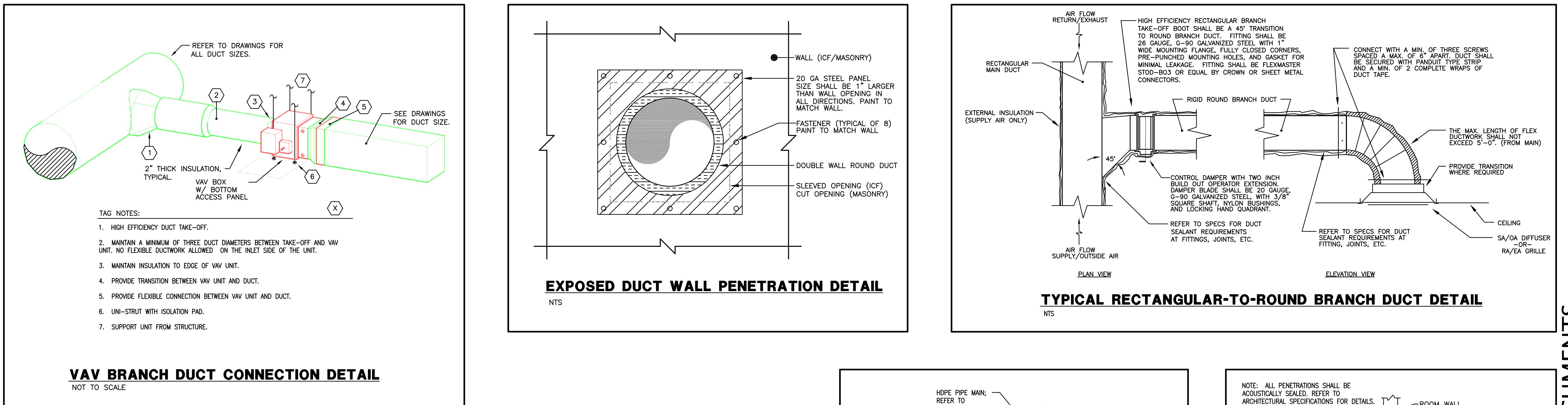
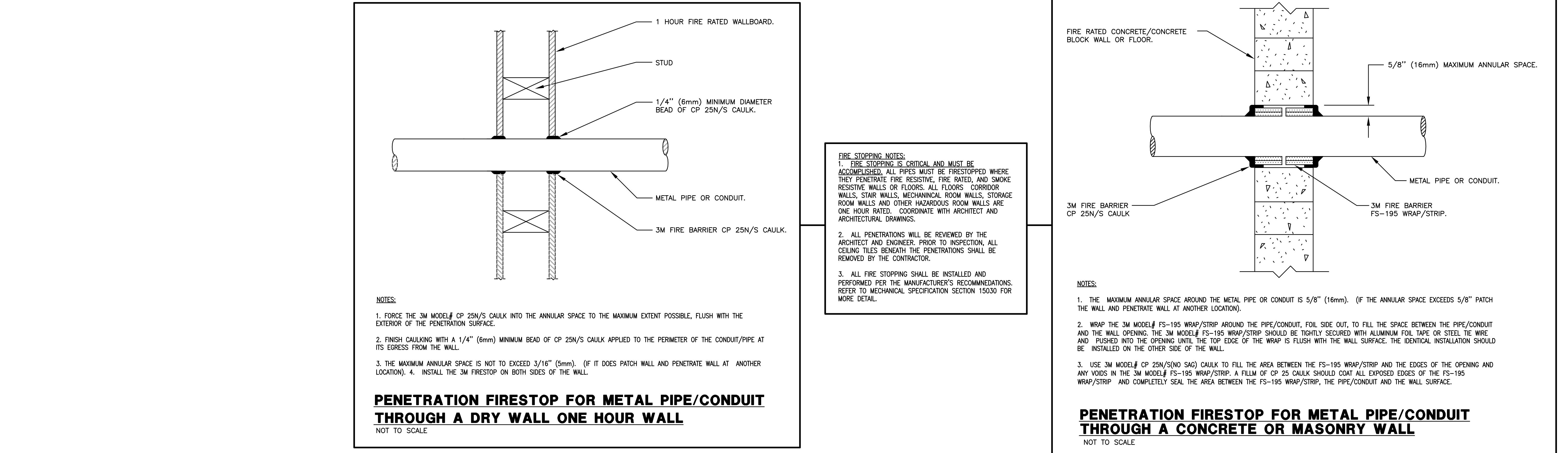
M3.1

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



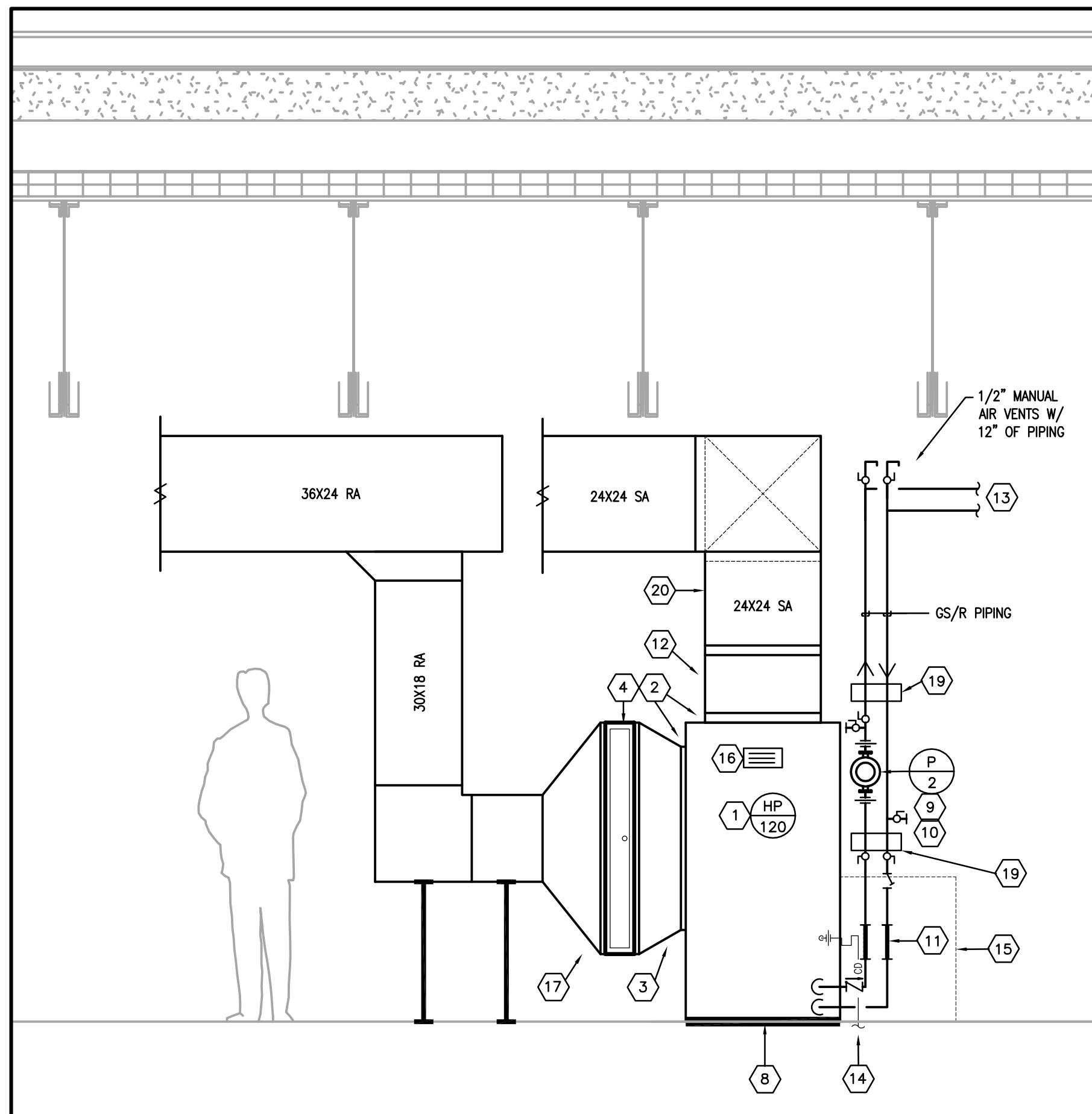
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CONSTRUCTION DOCUMENTS

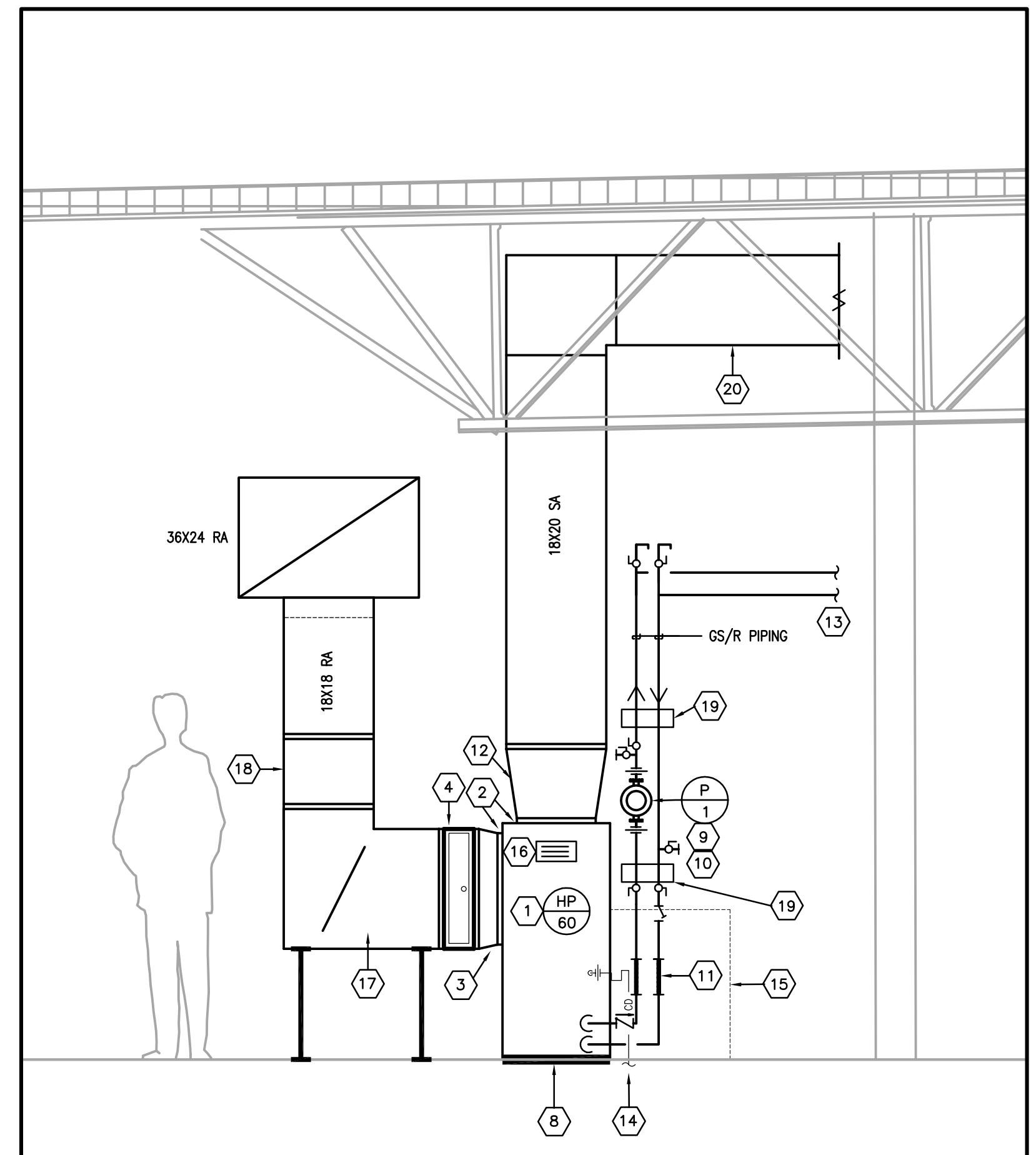


MECHANICAL DETAILS	NELSON COUNTY SCHOOLS - WEST CAMPUS
NELSON COUNTY SCHOOLS - WEST CAMPUS	2885 NEW SHEPHERDVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004
PHASE III	THOMAS NELSON H.S.
BG 15-229	DATE : 12/07/2015
	DRAWN BY : CG
	CHECKED BY : DH
	REVISIONS :
2011-02	2011-02
PHASE - 3	PHASE - 3
M4.1	M4.1
HS	HS

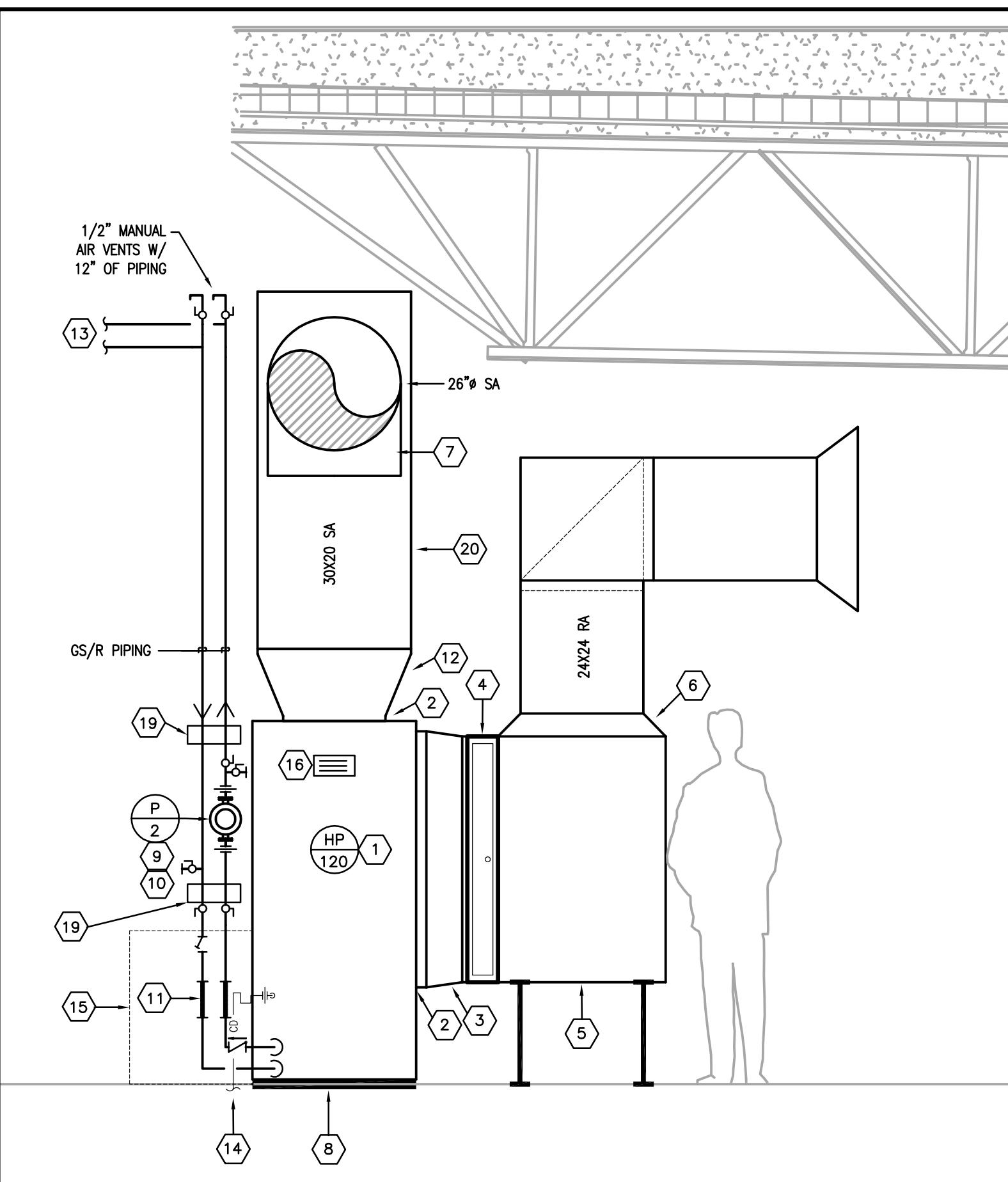
CONSTRUCTION DOCUMENTS



MECH ROOM P203: HP-120 SECTION VIEW
C M4.2
 Scale: 1/2" = 1'-0"



MECH ROOM P203: HP-60 SECTION VIEW
B M4.2
 Scale: 1/2" = 1'-0"



MECH ROOM P202: HP-120 SECTION VIEW
A M4.2
 Scale: 1/2" = 1'-0"

HEAT PUMP DETAIL TAG NOTES:	
1. VERTICAL HEAT PUMP UNIT. DO NOT BLOCK ACCESS PANEL FOR HEAT PUMP UNIT WITH ANY OBJECT.	11. FLEXIBLE HOSE KITS, REFER TO SPECIFICATION SECTION 230200 FOR FURTHER REQUIREMENTS.
2. PROVIDE FLEXIBLE CANVAS CONNECTIONS AT UNIT CONNECTION. TRANSITION DUCTWORK TO UNIT OPENING AS NEEDED.	12. TRANSITION FROM FULL SIZE OF UNIT OUTLET TO DUCT SIZE INDICATED ON THE DRAWINGS.
3. REFER TO DRAWINGS FOR CONTINUATION OF GS/R PIPING. REFER TO THE PIPING RUNOUT SCHEDULE FOR PROPER SIZING.	13. REFER TO DRAWINGS FOR CONTINUATION OF GS/R PIPING. REFER TO THE PIPING RUNOUT SCHEDULE FOR PROPER SIZING.
4. SIDE ACCESS FILTER SECTION. REFER TO SPECIFICATION SECTION 230200 FOR SIZE REQUIREMENTS. PROVIDE MAGNAFLUID GAUGE TAPS FOR DIFFERENTIAL PRESSURE MONITORING VIA A MANUAL/PORTABLE GAUGE.	14. ROUTE CONDENSATE DRAIN TO NEAREST FLOOR DRAIN. REFER TO PIPING RUNOUT SCHEDULE FOR PROPER SIZING.
5. RETURN AIR PLenum FULL SIZE OF FILTER.	15. MAINTAIN MANUFACTURERS RECOMMENDED CLEARANCES TO ALLOW FOR ACCESS.
6. PROVIDE AN EXPANDED THROAT TAKE-OFF AT THE PLenum CONNECTION.	16. IDENTIFICATION PLACARD. REFER TO SPECIFICATION SECTION 024240 FOR MORE INFORMATION. THE PLACARD SHOULD INCLUDE THE ELECTRIC PANEL NAME, CIRCUIT NUMBER FEEDING THE EQUIPMENT, AND AREA SERVED.
7. PROVIDE A HIGH EFFICIENCY DUCT TAKE-OFF AT THE CONNECTION.	17. PROVIDE TRANSITION ELBOW WITH VANES, TYPICAL.
8. VIBRATION ISOLATION PAD (RUBBER OR CORK) AT UNIT BASE.	18. TRANSITION DUCT FROM ELBOW TO DUCT SIZE INDICATED ON PLANS.
9. INLINE PUMP. REFER TO PUMP SCHEDULE FOR SIZE.	19. SECURELY SUPPORT PIPING FROM WALL, TYPICAL UTILIZE VIBRATION ISOLATION SUPPORTS AT PIPING SUPPORT.
10. INSTALL BOTTOM OF PUMP 36" AFF. PROVIDE UNIT STRUT WITH RUBBER COATED RING CLAMPS WITH THREADED ROD FOR SUPPORTING PIPING AND PUMP.	20. ROUTE DUCTWORK UP BETWEEN STRUCTURAL JOISTS.

SECOND FLOOR MECHANICAL NELSON COUNTY SCHOOLS - WEST CAMPUS PHASE III <small>2885 NEW SHEPHERDVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004</small>	BG 15-229 <small>DATE : 12/07/2015 DRAWN BY : CG CHECKED BY : DH REVISIONS :</small>
<small>2011-02</small> <small>PHASE - 3</small>	
M4.2 <small>HS</small>	
	X studio kremer architects <small>3258 Ruckriegel Parkway, Louisville, KY 40229 TEL 502.499.1100 FAX 499.1101 studio.kremer@msn.com</small>

CONSTRUCTION DOCUMENTS

MECHANICAL SCHEDULES

NELSON COUNTY SCHOOLS - WEST CAMPUS

THOMAS NELSON H.S.

PHASE III

2885 NEW SHEPHERDVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

BG 15-229

DATE : 12/07/2015

DRAWN BY : CG

CHECKED BY : DH

REVISIONS :

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PHASE - 3

M5.1

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X-1
X-2
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ELECTRIC HEATERS		
SYMBOL	EH-1	EH-2
MANUF. & MODEL	MARKEL SERIES 3480	MARKEL - SERIES 5100
TYPE	VERTICAL DISCHARGE	HORIZONTAL MOUNT
KW	3.0	5.0
CFM	400	400
V/Ø/HZ	460/1/60	460/3/60
DISCONNECT SWITCH	YES	YES
THERMOSTAT TYPE	SEE DDC CONTROLS	SEE DDC CONTROLS
REMARKS	1, 2, 3, 5	1, 3, 4, 5

REMARKS:

1. PROVIDE WITH MANUFACTURER'S FIELD INSTALLED DISCONNECT SWITCH.
2. PROVIDE WITH MOUNTING BRACKET AND STD. LOUVER.
3. PROVIDE WITH THERMAL OVERHEAT PROTECTION.
4. PROVIDE WITH WALL AND HEATER BRACKETS.
5. APPROVED MANUFACTURERS: MARKEL, DAYTON, REZNOR, AND TRANE.

EXHAUST FAN SCHEDULE		
SYMBOL	EF-1	EF-2
MANUF. & MODEL	TWIN CITY T100	TWIN CITY T500
TYPE	CEILING VENTILATOR	CEILING EXHAUST FAN
SERVICE	RESTROOM	IDF ROOM
CFM/TSP	100/0.125"	350/0.25"
SUM OF GRILLES	100	350
DRIVE/FAN RPM	DIRECT / 640	DIRECT / 681
FAN H.P.	1/8	1/3
ELECTRICAL	120/1/60	120/1/60
SONES	1.0	2.4
REMARKS	1, 2, 3, 4, 6	1, 2, 4, 5, 6

REMARKS:

1. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
2. THE EXHAUST FAN SHALL BE UL LISTED.
3. INTERLOCK OPERATION OF EXHAUST FAN WITH LIGHT SWITCH IN ROOM.
4. PROVIDE AN ALUMINUM EXHAUST GRILLE WITH FAN.
5. PROVIDE WITH VIBRATION ISOLATION HANGING/SUPPORT KIT. (NEOPRENE)
6. APPROVED MANUFACTURERS: TWIN CITY, JENCO, GREENHECK, PENN, ACME, COOK.

LOUVER SCHEDULE		
GENERAL		
SYMBOL	L-1	L-2
MANUF. & MODEL	RUSKIN L330	ARROW L330
SERVICE	RETURN AIR	RETURN AIR
DEPTH	4" DEPTH	4" DEPTH
CONSTRUCTION	16 GAUGE STEEL	16 GAUGE STEEL
CAPACITY		
CFM	6,000	4,000
APD	0.05" WG	0.05" WG
PHYSICAL SIZE	108" W X 48" H	48" W X 72" H
FREE AREA (SQ. FT.)	18	12
ACCESSORIES		
FINISH	BAKED ENAMEL	BAKED ENAMEL
CUSTOM COLOR	PRIME COAT	PRIME COAT
BIRD SCREEN	YES	YES
DRAINABLE BLADE	NO	NO
REMARKS	1, 2, 3	1, 2, 3

REMARKS:

1. FREE AREA LISTED IS MINIMUM ACCEPTABLE. ALTERNATE LOUVER MANUFACTURERS SHALL MEET OR EXCEED AREA LISTED. NO EXCEPTIONS!
2. LOUVER SHALL BE PROVIDED WITH FACTORY PRIME COAT FOR FIELD PAINTING.
3. APPROVED MANUFACTURERS: ARROW, GREENHECK, RUSKIN.

GEOTHERMAL HEAT PUMP SCHEDULE		
GENERAL	HP-60	HP-120
SYMBOL	FHP MODEL ES 061	FHP MODEL EC 120
MANF. & MODEL	VERTICAL UNIT	VERTICAL UNIT
BOX TYPE	2000 / 0.8"	4000 / 0.8"
NOMINAL CFM/ESP	1 / 2	2 / 2
# COMPR. / # STAGES	YES	NO
ECM MOTOR	410A	410A
REFRIGERANT	460/3/60	460/3/60
VOLTS/PHASE/HZ	18.0 / 30	25.1 / 40
MCA/MOP	REVERSE CYCLE HEATING CAPACITY -- 70°F EAT - 50°F EWT	
TOTAL HEAT (MBH)	60.3	127.5
HEAT OF ABSORPTION (MBH)	45.8	93.3
COP @ ARI (PARTIAL LOAD/FULL LOAD)	4.7 / 4.2	3.7
COOLING CAPACITY -- 75°F/63°F EAT - 85°F EWT		
SENSIBLE (MBH)	41.3	86.6
TOTAL (MBH)	54.7	112.2
HEAT OF REJECTION (MBH)	69.1	144.7
EER @ ARI (PARTIAL LOAD/FULL LOAD)	17.2 / 13.0	NA / 11.8
GPM/WPD (FT)	14.0 / 9.7	28.0 / 13.2
PUMP INFORMATION		
SYMBOL	P-1	P-2
MANUFACTURER & MODEL	BELL & GOSSETT SERIES PL-55	BELL & GOSSETT SERIES 90 1-1/2A
TYPE	IN-LINE BOOSTER	IN-LINE CENTRIFUGAL
GPM / TDH	14.0 / 42 FT	35.0 / 45 FT
MOTOR HP / RPM	0.40 / 3250	1.0 / 1750
V / Ø / Hz	120 / 1 / 60	460 / 3 / 60
IMPELLER DIAMETER	3.800"	6.500"

REMARKS:

1. PROVIDE WITH FILTER RACK AND SETS OF FILTERS PER SECTION 200100 AND 230200.
2. HP-60 SHALL BE PROVIDED WITH INTEGRAL DISCONNECT COMPLIANT WITH NEC. IF MANUFACTURER CANNOT ACCOMMODATE, A DISCONNECT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. HP-120 SHALL HAVE A DISCONNECT PROVIDED BY THE ELECTRICAL CONTRACTOR.
3. PROVIDE PUMPS WITH VALVED FLANGE KITS.
4. APPROVED HEAT PUMP MANUFACTURERS: FHP, WATER FURNACE, HYDRO-TEMP, CLIMATE MASTER.
5. APPROVED PUMP MANUFACTURERS: BELL AND GOSSETT, PATTERSON, TACO, ARMSTRONG, AND PACO.

GRAVITY RELIEF HOOD	
SYMBOL	RAH-1
MANUF. & MODEL	CREATIVE METALS AGV 200
TYPE	ALUMINUM EXHAUST HOOD
SERVICE	RELIEF AIR
CFM/APD	2000 / 0.11"
HOOD SIZE	37"X45"
THROAT SIZE	24"X30"
HEIGHT	17"
RATIO	1:1
ROOF CURB	YES
FINISH	BAKED ENAMEL
BIRD SCREEN	YES

REMARKS:

1. PROVIDE WITH 12" TALL INSULATED ROOF CURB. BOTTOM OF HOOD SHALL BE A MINIMUM OF 14" ABOVE FINISHED ROOF. CONTRACTOR IS TO VERIFY DIMENSIONS OF ROOF DECK AND INSULATION PRIOR TO ORDERING ROOF CURB.
2. CUSTOM COLOR TO BE SELECTED BY ARCHITECT.
3. APPROVED MANUFACTURERS: CREATIVE METALS, GREENHECK, RUSKIN.

VARIABLE AIR VOLUME BOX	
GENERAL	
SYMBOL	VAV-12
MANUFACTURER & MODEL	ETI SDR12
BOX TYPE	SINGLE INLET VAV
TOTAL APD AT MAXIMUM CFM	0.25" WG
VOLUME CONTROL DAMPER	
MAXIMUM AIRFLOW	1700
INLET SIZE	12"
LEAKAGE RATE AT 2.0" SP	2.0%
PRESSURE INDEPENDENT CONTROLS	YES

REMARKS:

1. ALL BOXES SHALL BE SINGLE WALL WITH 1/2" FOIL FACED INSULATION.
2. PROVIDE EACH BOX WITH AN INDEPENDENT CONTROLLER. NO BOX SHALL BE OPERATED BY ANOTHER CONTROLLER LOCATED ON ANOTHER BOX.
3. APPROVED MANUFACTURERS: ETI, TRANE, TITUS, JCI, CARRIER.

REGISTERS, GRILLES, AND DIFFUSERS							
SYMBOL	MANUFACTURER & MODEL	MATERIAL & TYPE	CFM RANGE	INLET DUCT SIZE	FACE SIZE	NECK SIZE	REMARKS
S-1	TITUS 300FS	EXTRUDED ALUMINUM LOUVERED DOUBLE DEFLECTION	0-100	8X4	10X6	8X4	2, 5, 8
S-2	TITUS OMNI AA	EXTRUDED ALUMINUM SQUARE PLAQUE FACE	101-225	8"	24X24	8"	1, 2, 3, 8
S-3	TITUS R-OMNI	HEAVY GAUGE STEEL ADJUSTABLE ROUND PLAQUE FACE WITH 360° DISCHARGE PATTERN	175-250	10"	18"	8"	4, 6, 7, 8
S-4	TITUS R-OMNI	HEAVY GAUGE STEEL ADJUSTABLE ROUND PLAQUE FACE WITH 360° DISCHARGE PATTERN	350-400	12"	22.5"	10"	4, 6, 7, 8

REMARKS:

1. CEILING T-BAR MOUNTED IN 24"X24" ALUMINUM PANEL.
2. PROVIDE WHITE IN COLOR.
3. PROVIDE DIFFUSER WITH MOLDED THERMAL BLANKET.
4. SET DIFFUSER CONE TO DOWN POSITION.
5. GRILLE SHALL BE PROVIDED WITH 1" BORDER TO BE SURFACE MOUNTED.
6. CUSTOM COLOR TO BE SELECTED BY ARCHITECT.
7. NOISE CRITERIA FOR DIFFUSER MUST BE LESS THAN 25.
8. APPROVED MANUFACTURERS: TITUS, METALAIRE, PRICE, KRUEGER, MAILER, TUTTLE & BAILEY, ANEMOSTAT, CARNES.

CONSTRUCTION DOCUMENTS

FIRST FLOOR PLAN - LIGHTING	NELSON COUNTY SCHOOLS - WEST CAMPUS
PHASE III	THOMAS NELSON H.S.

DATE : 12/07/2015
 DRAWN BY : BP
 CHECKED BY : BP
 REVISIONS :

2011-02
 PHASE - 3

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 BRAD PIERSON
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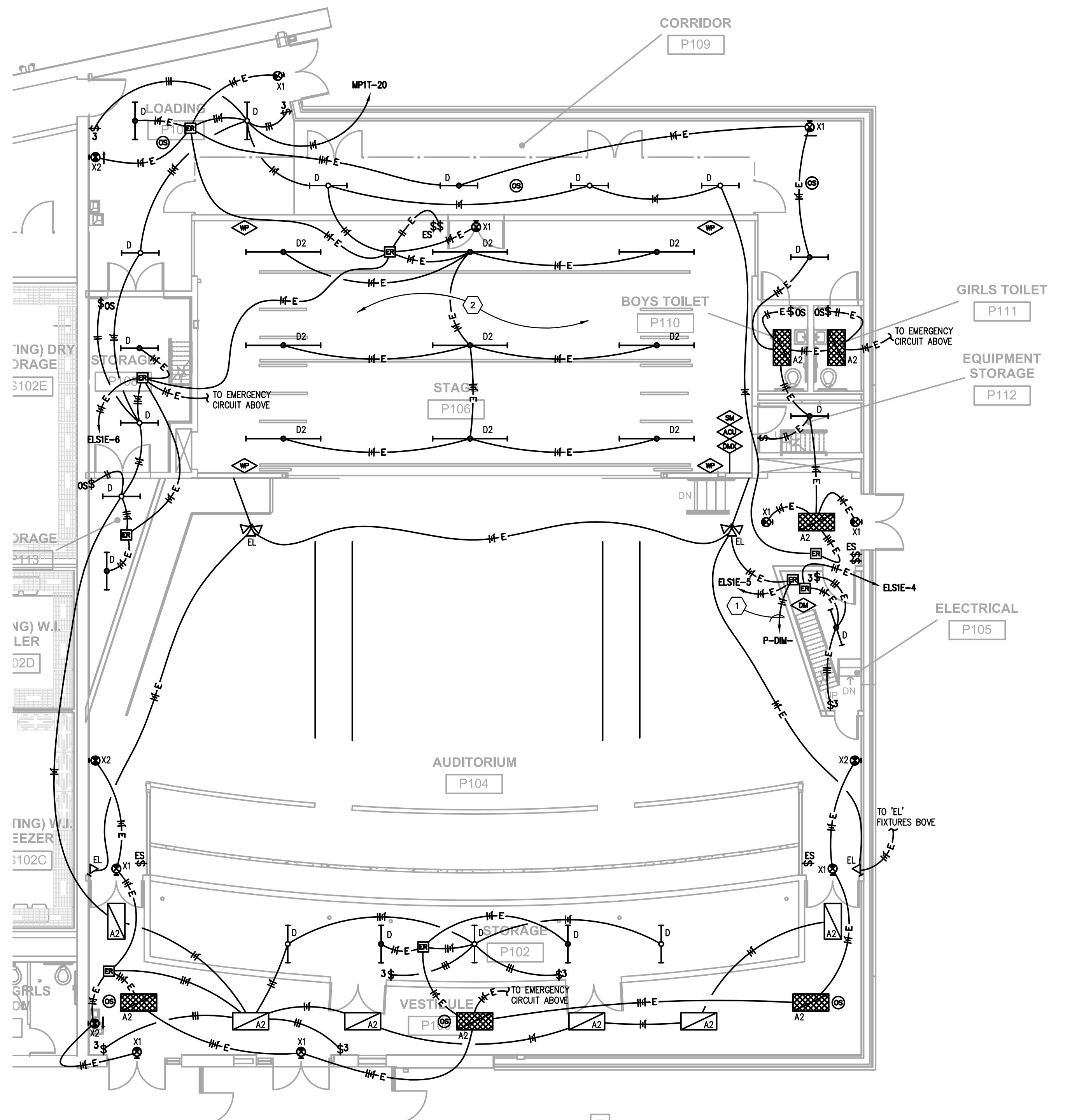


FIRST FLOOR PLAN - LIGHTING

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

SYMBOL	DESCRIPTION	PART NO.
FS	FRONT STAGE LIGHTING.	SEE SPECS.
IE	FIRST ELECTRIC LIGHTING.	SEE SPECS.
SE	SECOND ELECTRIC LIGHTING.	SEE SPECS.
TE	THIRD ELECTRIC LIGHTING.	SEE SPECS.
FE	FOURTH ELECTRIC LIGHTING.	SEE SPECS.
SES	ENTRY SWITCH.	SEE SPECS.
SM	STAGE MANAGER PANEL. 12 BUTTON, 7 FADE UNIT.	SEE SPECS.
ACU	ARCHITECTURE CONTROL UNIT.	SEE SPECS.
CSO	CONTROL STATION OUTLET.	SEE SPECS.
CC	CONTROL CONSOLE.	SEE SPECS.
DM	LIGHTING DIMMER RACK.	SEE SPECS.
WP	STAGE WALL POCKET	SEE SPECS.

THEATRICAL LIGHTING EQUIPMENT LEGEND



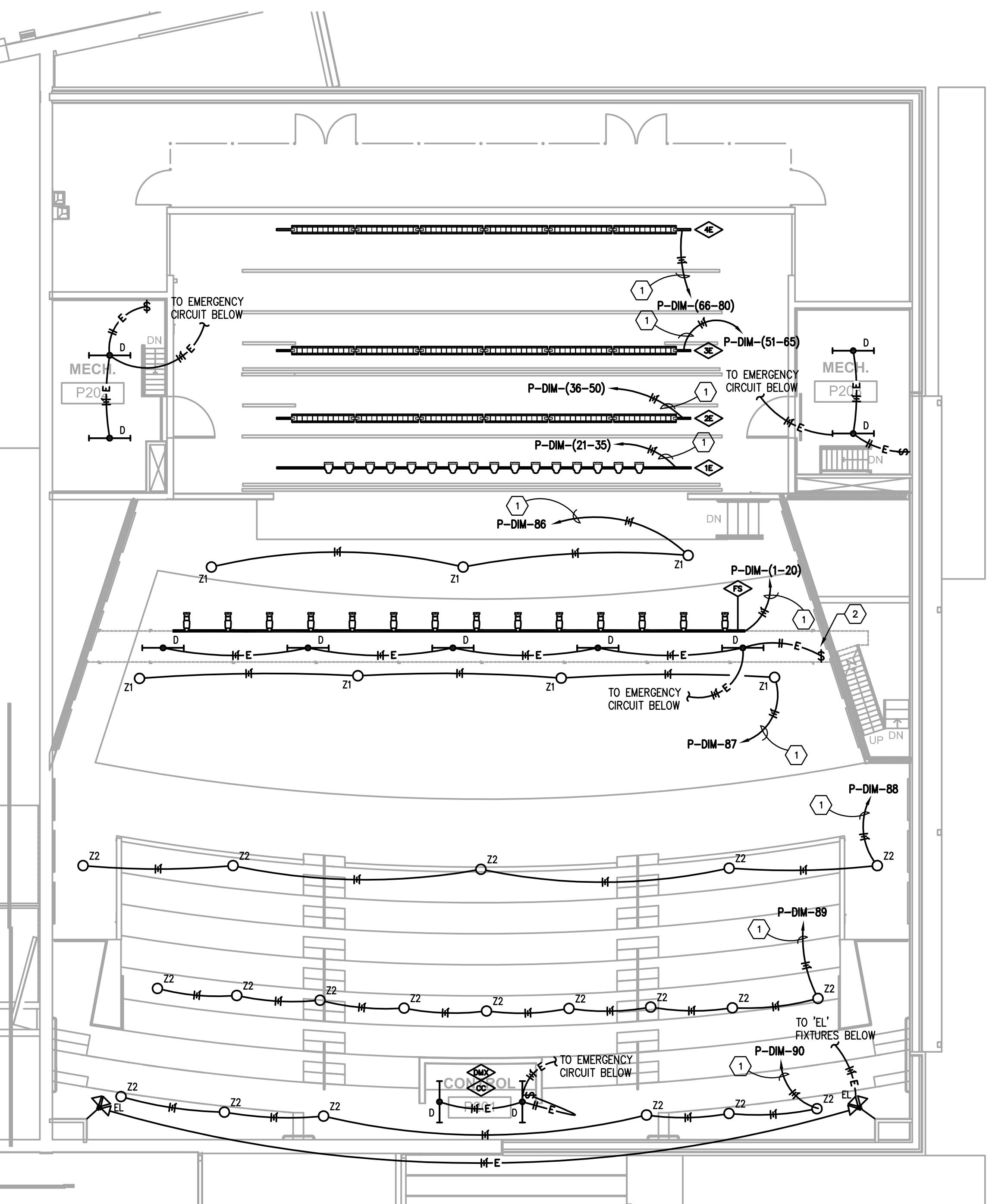
GENERAL NEW WORK NOTES (LIGHTING):

- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT, THE CONTRACTOR SHALL INDICATE CONDUCTOR SHARING. CURRENT CARRYING CONDUCTORS IN MEC #31015001, AND UP-SIZE CIRCUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
- WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE.
- LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
- ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHATTERED OR CRACKED FIXTURES BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

TAGGED NOTES :

- PROVIDE NUMBER OF CIRCUITS INDICATED TO THEATRICAL DIMMING PANEL AS INDICATED. CONTRACTOR SHALL PROVIDE #10 CONDUCTORS AND GROUNDS IN 3/4" CONDUITS TO DIMMING PANEL. CONTRACTOR SHALL PROVIDE DEDICATED NEUTRAL CONDUCTORS FOR EACH CIRCUIT AS REQUIRED BY N.E.C. CONTRACTOR SHALL ROUTE NO MORE THAN (3) CIRCUITS IN ONE CONDUIT. REFER TO THEATRICAL DIMMING SCHEDULE, SPECS AND DETAILS FOR FURTHER REQUIREMENTS.
- COORDINATE EXACT LOCATION OF STAGE FLUORESCENT FIXTURES WITH ALL EQUIPMENT (CURTAINS, THEATRICAL LIGHTS, RIGGING, ETC.) PRIOR TO ROUGH-IN. ENSURE LOCATION AND ELEVATION TO MAXIMIZE FLUORESCENT LIGHTING ON STAGE FLOOR.

CONSTRUCTION DOCUMENTS



A
E2.2

SECOND FLOOR PLAN - LIGHTING

GENERAL NEW WORK NOTES (LIGHTING):

- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING, IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT, THE CONTRACTOR SHALL PROVIDE A DEDICATED NEUTRAL CARRYING CONDUCTOR PER N.E.C. #310.15(Y3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION, PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERS. IN PATIENT CARE AREAS, ALSO MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
- WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE.
- LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
- ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. A LOUVER OR CONDUCTOR DIRT FILTER SHOULD BE WASHED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

TAGGED NOTES :

- PROVIDE NUMBER OF CIRCUITS INDICATED TO THEATRICAL DIMMING PANEL AS INDICATED. CONTRACTOR SHALL PROVIDE #10 CONDUCTORS AND GROUNDS IN 3/4" CONDUITS TO DIMMING PANEL. CONTRACTOR SHALL PROVIDE DEDICATED NEUTRAL CONDUCTOR FOR EACH CIRCUIT AS REQUIRED BY N.E.C. CONTRACTOR SHALL ROUTE NO MORE THAN (3) CIRCUITS IN ONE CONDUIT. REFER TO THEATRICAL DIMMING SCHEDULE, SPECS AND DETAILS FOR FURTHER REQUIREMENTS
- MOUNT LIGHT SWITCH AT ENTRANCE TO CATWALK. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH CATWALK STEEL DRAWINGS.

SECOND FLOOR PLAN - LIGHTING
NELSON COUNTY SCHOOLS - WEST CAMPUS
PHASE III
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THOMAS NELSON H.S.
PHASE III
2885 NEW SHEPHERDVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

BG 15-229
DATE : 12/07/2015
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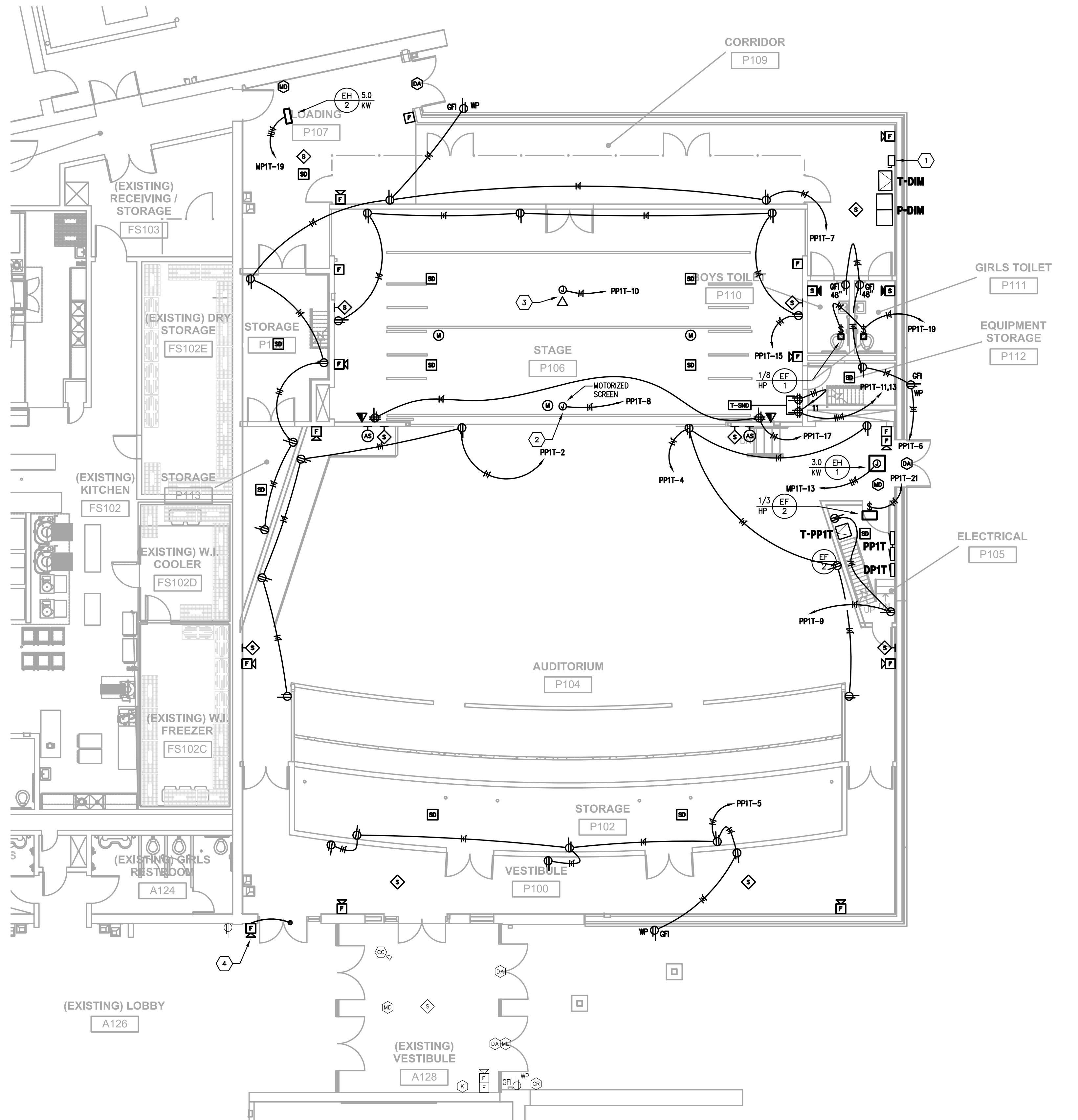
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CONSTRUCTION DOCUMENTS



FIRST FLOOR PLAN - POWER/SYSTEMS
Scale: 1/8" = 1'-0"

GENERAL NEW WORK NOTES (POWER) :

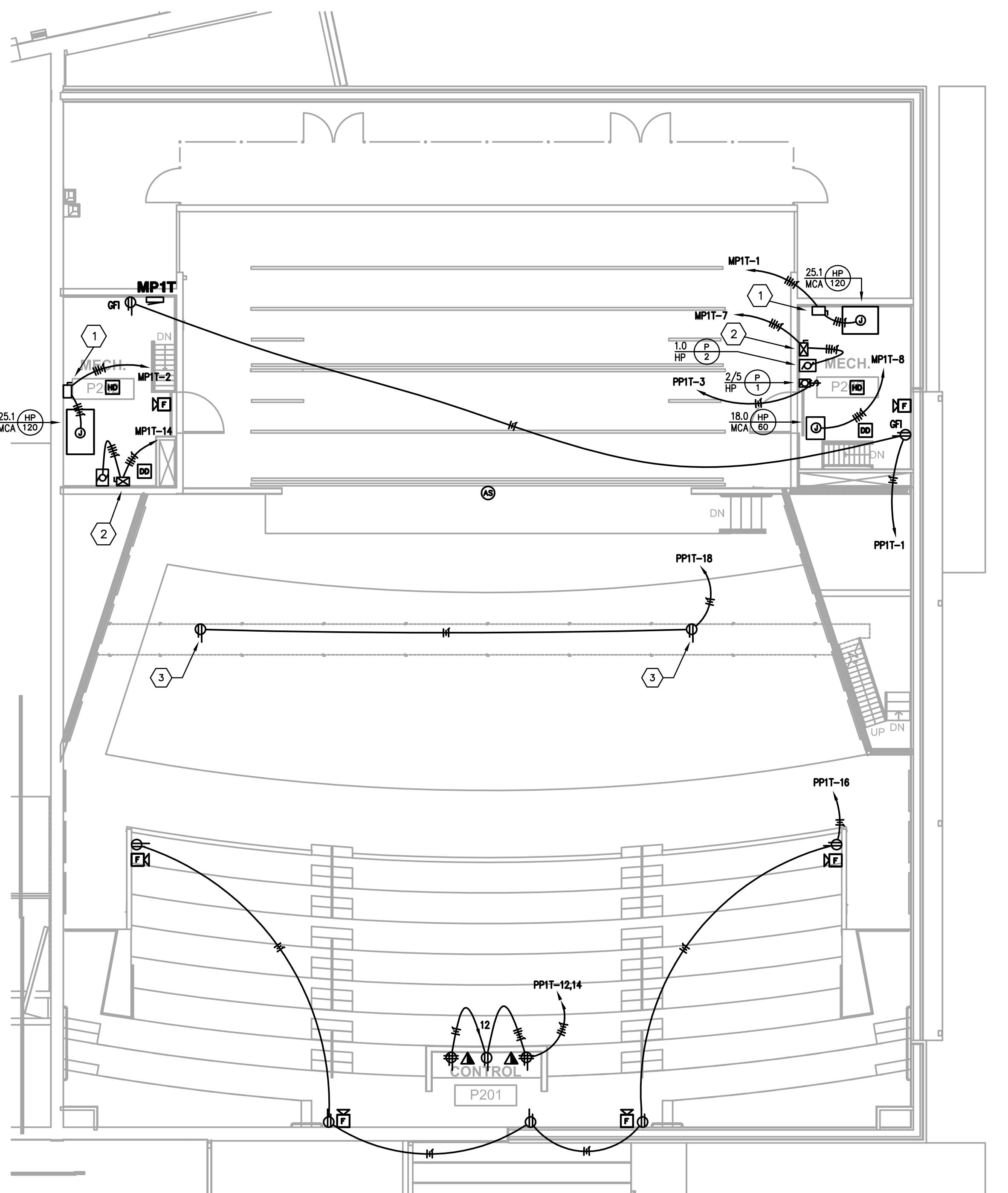
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT AS THOSE INDICATED. CONTRACTOR SHALL DESIGN ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UP-SIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIMODE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION, PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE. COLOCATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(C).
- LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MANTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.

TAGGED NOTES :

- PROVIDE NEW 250V/400A/3P FUSIBLE DISCONNECT FUSED AT 400A IN NEMA-1 ENCLOSURE FOR SECONDARY PROTECTION OF "T-DIM". REFER TO RISER FOR FURTHER REQUIREMENTS.
- PROVIDE 120V CONNECTION TO MOTORIZED SCREEN LOCATED AT PROCENUM OPENING. PROVIDE CONNECTION TO CONTROL SWITCH LOCATED AS INDICATED. COORDINATE EXACT CONNECTION LOCATION AND SWITCH REQUIREMENTS WITH EQUIPMENT SHOP DRAWINGS.
- PROVIDE 120V ROUGH-IN AND NETWORK DROP FOR OWNER PROVIDED PROJECTOR.
- EXISTING FIRE ALARM HORN/STROBE SHALL BE RELOCATED TO LOCATION INDICATED FOR CUTTING IN OF NEW DOOR.

FIRST FLOOR PLAN - POWER/SYSTEMS	NELSON COUNTY SCHOOL DISTRICT
NELSON COUNTY SCHOOLS - WEST CAMPUS	
THOMAS NELSON H.S.	
PHASE III	
BG 15-229	
DATE : 12/07/2015	
DRAWN BY : BP	
CHECKED BY : BP	
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E3.1	
HS	

CONSTRUCTION DOCUMENTS



SECOND FLOOR PLAN - POWER/SYSTEMS
E2.2

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

GENERAL NEW WORK NOTES (POWER) :

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT AS THOSE INDICATED, CONSIDERED AS DEDICATED TO ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED IN NEC 300.17 AND ANNEX C. MULTIMODE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION, PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE. COLOCATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(C).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MANTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- F. REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- G. THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- H. CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.

TAGGED NOTES :

1. PROVIDE 60A/600V/3P FUSIBLE DISCONNECT SWITCH WITH NEMA 1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE RATING FOR CONNECTION TO NEW EQUIPMENT AS INDICATED. COORDINATE EXACT MOUNTING LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING.
2. PROVIDE 30A/600V/3P COMBINATION STARTER / DISCONNECT SWITCH IN A NEMA-1 ENCLOSURE WITH DISCONNECT SWITCH FUSED AT EQUIPMENT NAMEPLATE RATING. PROVIDE A FULL VOLTAGE, NON-REVERSING STARTER. PROVIDE STARTER WITH LOW VOLTAGE PROTECTION, SOLID STATE OVERLOADS, INDIVIDUAL CONTROL TRANSFORMER (208V-120V), H.O.A. SELECTOR SWITCH, AND RED & GREEN PILOT LIGHTS. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION. PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING.
3. PROVIDE RECEPTACLE AT LOCATION INDICATED ON CATWALK. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH STRUCTURAL PLANS.

SECOND FLOOR PLAN - POWER/SYSTEMS	NELSON COUNTY SCHOOLS - WEST CAMPUS
NELSON COUNTY NELSON H.S.	
PHASE III	
2885 NEW SHEPHERDVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004	
DATE : 12/07/2015	
DRAWN BY : BP	
CHECKED BY : BP	
REVISIONS :	
2011-02	
PHASE - 3	
E3.2	
HS	

studio kremer architects
3258 Ruckriegel Parkway, Louisville, KY 40299
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1441 Meeting Street, 5th Floor
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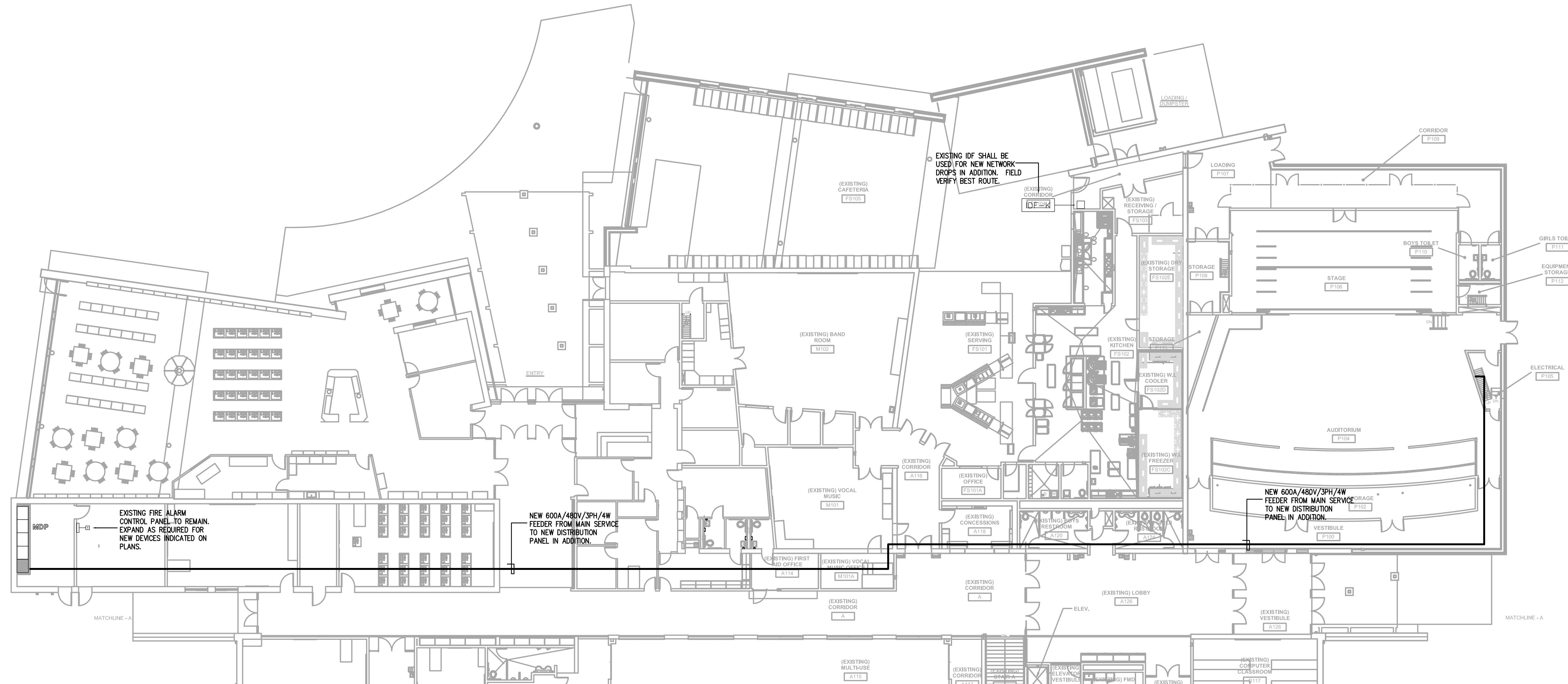
CONSTRUCTION DOCUMENTS

ELECTRICAL INTERCONNECTION PLAN	
NELSON COUNTY SCHOOLS - WEST CAMPUS	THOMAS NELSON H.S.
PHASE III	2885 NEW SHEPHERDVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004
BG 15-229	DATE : 12/07/2015 DRAWN BY : BP CHECKED BY : BP REVISIONS :
2011-02	PHASE - 3
E4.1	HS

studio kremer architects	3258 Ruckriegel Parkway, Louisville, KY 40299 TEL 502.499.1100 FAX 499.1101
studio	1041 Meeting Street, 3rd Floor 502.252.2261 www.smithgroup.com
 BRAD PIERSON 26444 LICENCED PROFESSIONAL ENGINEER	

PARTIAL MAIN FLOOR - INTERCONNECTION PLAN

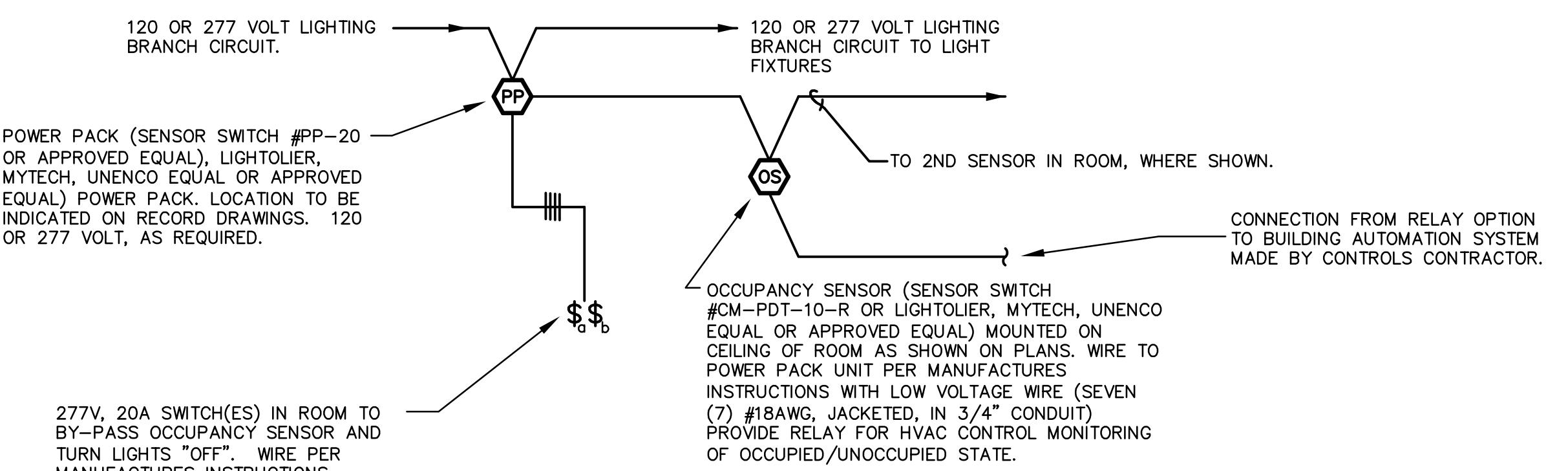
Scale: 1/16" = 1'-0"



LIGHT FIXTURE SCHEDULE :

LIGHT FIXTURE SCHEDULE GENERAL NOTES :

- ALL LIGHT FIXTURES SHALL BE UL LISTED.
- REFERENCE SPECIFICATION SECTION 265113 FOR ADDITIONAL REQUIREMENTS.
- ALL BIDDERS, INCLUDING THOSE SPECIFIED AND MANUFACTURERS LISTED AS "EQUAL", SHALL SUBMIT PRODUCT CUTSHEETS TO THE ENGINEER TEN (10) DAYS PRIOR TO BID FOR FINAL WRITTEN APPROVAL. "EQUAL" FIXTURES SHALL BE OF EQUAL OR BETTER QUALITY AND PERFORMANCE TO THE SPECIFIED FIXTURE. BURDEN OF PROOF SHALL BE ON THE MANUFACTURER AND SHALL PROVIDE WORKING 120 VOLT SAMPLE WITH CORD AND PLUG AT THE REQUEST OF THE ENGINEER.
- MANUFACTURERS/VENDORS WISHING TO BID SUBSTITUTE FIXTURES OTHER THAN THOSE LISTED ON THE LIGHT FIXTURE SCHEDULE, SHALL SUBMIT CUTSHEETS AS REQUIRED PER SPECIFICATION SECTION 265113 AND AT THE REQUEST OF THE ENGINEER PROVIDE FACTORY POINT-BY-POINT CALCULATIONS USING AGIS AND PROVIDE ELECTRONIC ACI FILE TEN (10) DAYS PRIOR TO BID FOR WRITTEN APPROVAL. BURDEN OF PROOF SHALL BE ON THE MANUFACTURER AND SHALL PROVIDE WORKING 120 VOLT SAMPLE OF EACH SUBSTITUTE FIXTURE WITH CORD AND PLUG AT THE REQUEST OF THE ENGINEER.
- ALL FLUORESCENT, COMPACT FLUORESCENT AND CERAMIC METAL HALIDE LAMPS SHALL HAVE A CRI GREATER THAN 80. ALL LAMPS OF A GIVEN TYPE (LINEAR FLUORESCENT, COMPACT FLUORESCENT, CERAMIC METAL HALIDE, HALOGEN, ETC.) SHALL BE FROM THE SAME MANUFACTURER. ANY DISCOLORED LAMPS SHALL BE REPLACED WITH NEW UNTIL SATISFACTORY COLOR IS ACHIEVED. ALL F54T5HO LAMPS SHALL HAVE AN INITIAL LUMEN PACKAGE OF 5000 OR GREATER AND RATED AVERAGE LIFE OF 20,000 HOURS. ALL F32T8 LAMPS SHALL BE "SUPER T8" WITH 3100 MINIMUM INITIAL LUMENS, 3000 MINIMUM DESIGN LUMENS AND RATED AVERAGE LIFE OF 36,000 HOURS.
- CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTORS TO ALL EMERGENCY LIGHTS, NIGHT LIGHTS, ETC. AS REQUIRED.
- WHERE LIGHT FIXTURES ARE SHOWN SPLIT-WIRED (HALF EMERGENCY POWER / HALF NORMAL POWER) ON FLOOR PLANS, LIGHT FIXTURES SHALL BE PROVIDED WITH MULTIPLE ELECTRONIC BALLASTS FOR MULTIPLE POWER CIRCUITS AS INDICATED ON FLOOR PLANS.
- PROVIDE BALLASTS FOR FIXTURE LAMP SWITCHING AS INDICATED ON LIGHTING FLOOR PLANS.
- CONTRACTOR SHALL FOCUS, AIM AND ADJUST LIGHT FIXTURES UNDER THE SUPERVISION AND DIRECTION OF THE ENGINEER AND ARCHITECT. ALLOW LABOR FOR FINAL FOCUS AND ADJUSTMENTS AFTER DARK. LISTS AND SCAFFOLDING SHALL BE AVAILABLE.



TYPICAL CEILING MOUNTED OCCUPANCY SENSOR LIGHTING CONTROL WIRING DIAGRAM

B

E4.1

Scale: NONE

TYPE	DESCRIPTION	MODEL	LAMPS	REMARKS	VOLTAGE
A2	RECESSED 2-LAMP, 2'x4' FLUORESCENT TROFFER WITH 0.125" PATTERN #12 ACRYLIC LENS, SPRING LOADED LATCHES AND REGRESSED EXTRUDED ALUMINUM DOOR FRAME FOR INSTALLATION IN SUSPENDED GRID CEILING.	LITHONIA # 2SP G 2 32 RW A12125 277 GLR LATC METALUX # 2GC8RA232A125277GL LIGHTOLIER # SPS2GRA232277/*/GLR	(2) "SUPER" F32T8/841	PROVIDE ELECTRONIC, PROGRAMMED START, 2-LAMP BALLAST WITH LESS THAN 10% THD, BALLAST FACTOR (BF) OF 0.88/0.89, MINIMUM BALLAST EFFICIENCY FACTOR (BEF) OF 1.56 AND MAXIMUM INPUT OF 57 WATTS.	277V
A3	RECESSED 3-LAMP, 2'x4' FLUORESCENT TROFFER WITH 0.125" PATTERN #12 ACRYLIC LENS, SPRING LOADED LATCHES AND REGRESSED EXTRUDED ALUMINUM DOOR FRAME FOR INSTALLATION IN SUSPENDED GRID CEILING.	LITHONIA # 2SP G 3 32 RW A12125 277 GLR LATC METALUX # 2GC8RA332A125277GL LIGHTOLIER # SPS2GRAV1332277/*/GLR	(3) "SUPER" F32T8/841	PROVIDE ELECTRONIC, PROGRAMMED START, 3-LAMP BALLAST WITH LESS THAN 10% THD, BALLAST FACTOR (BF) OF 0.88/0.89, MINIMUM BALLAST EFFICIENCY FACTOR (BEF) OF 1.04 AND MAXIMUM INPUT OF 85 WATTS.	277V
B	SUSPENDED LINEAR FLUORESCENT FIXTURE WITH EXTRUDED ALUMINUM HOUSING, SEMI-SPECULAR PARABOLIC LOUVER, AND ADJUSTABLE AIRCRAFT CABLE SUSPENSION.	PAL # TRS02 O XX CT TP4 PB3 COOPER # TBWB2T51C277AC48STLENGTH LIGHTOLIER # EG22GRP/*/2/W	(2) F54T5HO/841 PER 4' SECTION	PROVIDE ELECTRONIC PROGRAMMED START 2-LAMP BALLAST WITH LESS THAN 10% THD, BALLAST FACTOR (BF) OF 1.0, MINIMUM BALLAST EFFICIENCY FACTOR (BEF) OF 0.85 AND MAXIMUM INPUT OF 117 WATTS.	277V
BD	SAME AS FIXTURE TYPE "B" WITH ADVANCE MARK 7 DIMMING BALLAST.				
C	RECESSED 1-LAMP, 1'x4' FLUORESCENT TROFFER WITH 0.125" PATTERN #12 ACRYLIC LENS AND REGRESSED EXTRUDED ALUMINUM DOOR FRAME FOR INSTALLATION IN SUSPENDED GRID CEILING	LITHONIA # SP G B 1 32 RW A12125 GLR METALUX # GC8 RA 132 A125 277/*/GL LIGHTOLIER # SPS2GRAV132277/*/GLR	(1) "SUPER" F32T8/841	PROVIDE ELECTRONIC, PROGRAMMED START, 1-LAMP BALLAST WITH LESS THAN 10% THD, BALLAST FACTOR (BF) OF 0.88/0.89.	277V
D	2 LAMP, FLUORESCENT, INDUSTRIAL WITH DIE FORMED STEEL HOUSING, 10% UPLIGHT, CHAIN HANGER, AND WIRE GUARD.	LITHONIA # 2EJA 2 32 WG GLR METALUX # IAF232277/*/WG CHAINSET4FTU/GL LIGHTOLIER # KW4A232UNV/*/GLR/AWG4W CSP/AH5/CSP	(2) "SUPER" F32T8/841	PROVIDE ELECTRONIC, PROGRAMMED START, 2-LAMP BALLAST WITH LESS THAN 10% THD, BALLAST FACTOR (BF) OF 0.88/0.89, MINIMUM BALLAST EFFICIENCY FACTOR (BEF) OF 1.56 AND MAXIMUM INPUT OF 57 WATTS.	277V
D2	SAME AS TYPE "D" EXCEPT 8' IN LENGTH WITH 2 LAMPS PER 4' SECTION.	LITHONIA # TEJA 4 32 WG GLR METALUX # IAF232277/*/WG CHAINSET4FTU/GL LIGHTOLIER # KW4A232UNV/*/GLR/AWG4W CSP/AH5/CSP	(4) "SUPER" F32T8/841	PROVIDE ELECTRONIC, PROGRAMMED START, 2-LAMP BALLAST WITH LESS THAN 10% THD, BALLAST FACTOR (BF) OF 0.88/0.89, MINIMUM BALLAST EFFICIENCY FACTOR (BEF) OF 1.56 AND MAXIMUM INPUT OF 57 WATTS.	277V
EL	HIGH OUTPUT, ADJUSTABLE LED SPOT LIGHT WITH DIE CAST ALUMINUM HOUSING, ADJUSTABLE 180 DEGREE TILT AND 41 DEGREE SPREAD LENS.	PHILLIPS EW BURST APPROVED EQUAL	LAMPS INCLUDED		UNV
L	RECESSED 1-LAMP COMPACT FLUORESCENT DOWNLIGHT WITH 8" APERTURE, CLEAR SPECULAR REFLECTOR AND SELF FLANGED MATTE WHITE TRIM	GOTHAM # AF 1/32TRT BAR 277 GLR TRW PORTFOLIO # C7141/*/7151LWF/HB26 CALCULITE # 803CLW/S7142BU/F/1951	(1) 32TRT/841	PROVIDE ELECTRONIC, PROGRAMMED START, 1-LAMP BALLAST WITH LESS THAN 10% THD, AND BALLAST FACTOR (BF) OF 1.0.	277V
L3	RECESSED 2-LAMP COMPACT FLUORESCENT DOWNLIGHT WITH 8" APERTURE, WHITE TRIM, TEMPERED PRISMATIC LENS AND DAMP LOCATION LISTING.	GOTHAM # AF 2/32TRT BAR 277 GLR TRW PORTFOLIO # C7142/*/7151LWF/HB26 CALCULITE # 803CLW/S8242BU/F/1951	(2) 32TRT/841	PROVIDE ELECTRONIC, PROGRAMMED START, 2-LAMP BALLAST WITH LESS THAN 10% THD, AND BALLAST FACTOR (BF) OF 1.0.	277V
W	EXTERIOR WALL PACK WITH DIE CAST ALUMINUM HOUSING, SPECULAR ANODIZED ALUMINUM REFLECTOR AND BOROSILICATE SEALED AND GASKETED GLASS LENS	LITHONIA # TWH/350M COOPER # MPWL350MTLL LIGHTOLIER # EQUAL	(1) 350W MH PULSE START	PROVIDE SUPER CWA PULSE START BALLAST. FINISH FOR LIGHT FIXTURE AS SELECTED BY ARCHITECT.	277V
Y	EXTERIOR WALL MOUNTED COMPACT FLUORESCENT FIXTURE WITH DIE CAST ALUMINUM HOUSING, FULLY GASKETED DIE CAST DOOR FRAME AND MEDIUM THROW DISTRIBUTION.	LITHONIA # WST/2/32TRT/MD COOPER # PLPT64277V LIGHTOLIER # EQUAL	(2) 32TRT/841	PROVIDE ELECTRONIC, PROGRAMMED START, 2-LAMP BALLAST WITH LESS THAN 10% THD, AND BALLAST FACTOR (BF) OF 1.0.	277V
X1	DIE CAST ALUMINUM EXIT SIGN WITH WHITE HOUSING RED LED PANEL, UNIVERSAL MOUNTING AND DIRECTIONAL ARROWS.	LITHONIA # LESWIR SURF-LITE # CAXS10000RW LIGHTOLIER # LOSAURW	LED	PROVIDE RED LETTERING ON CLEAR FACE. INSTALL WALL MOUNTED EXIT SIGNS AT 8'-0" AFF TO BOTTOM OF FIXTURE. ALL EXIT LIGHTS SHALL BE UNIVERSALLY MOUNTABLE.	277V
X2	SAME AS X1 EXCEPT DOUBLE FACE. PROVIDE RED LETTERING ON MIRROR FACE.				

LIGHT FIXTURE SCHEDULE

A
E4.1

Scale: NONE

CONSTRUCTION DOCUMENTS

ELECTRICAL SCHEDULES AND DETAILS

NELSON COUNTY SCHOOLS - WEST CAMPUS

PHASE III

THOMAS NELSON H.S.

2885 NEW SHEPHERDVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

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TEL 502.499.1101 FAX 499.1101

STATE OF KENTUCKY
BRAD PIERSON
26444
LICENSED PROFESSIONAL ENGINEER

BG 15-229
DATE : 12/07/2015
DRAWN BY : BP
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REVISIONS :

2011-02

PHASE - 3

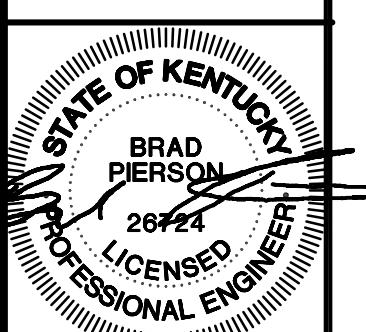
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studio

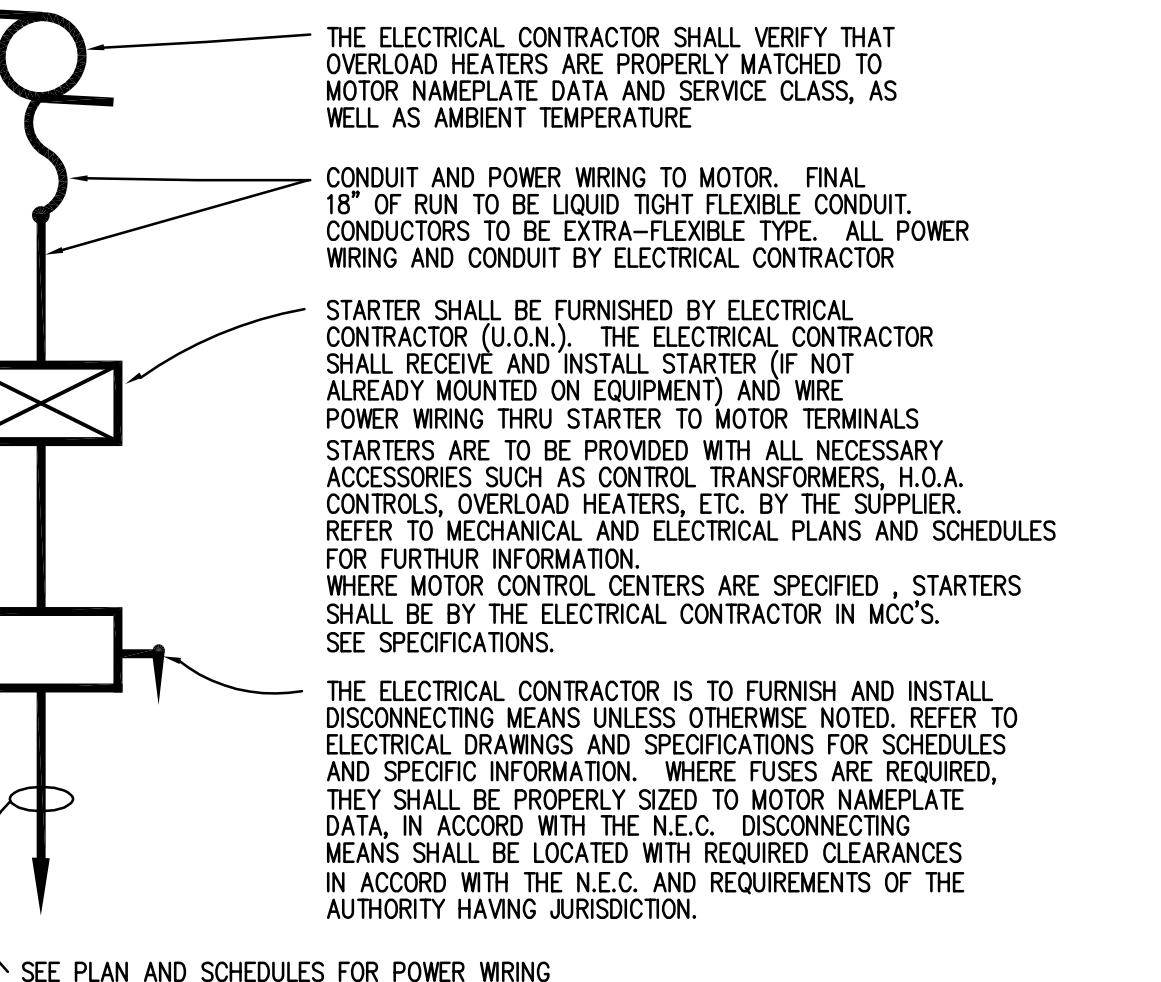
CONSTRUCTION DOCUMENTS



NELSON COUNTY SCHOOL DISTRICT
288 WILDCAT LANE
BARDSTOWN, KENTUCKY 40004

ELECTRICAL DETAILS
NELSON COUNTY SCHOOLS - WEST CAMPUS
THOMAS NELSON H.S.
PHASE III
2885 NEW SHEPHERDVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004
BG 15-229
DATE: 12/07/2015
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REVISIONS:

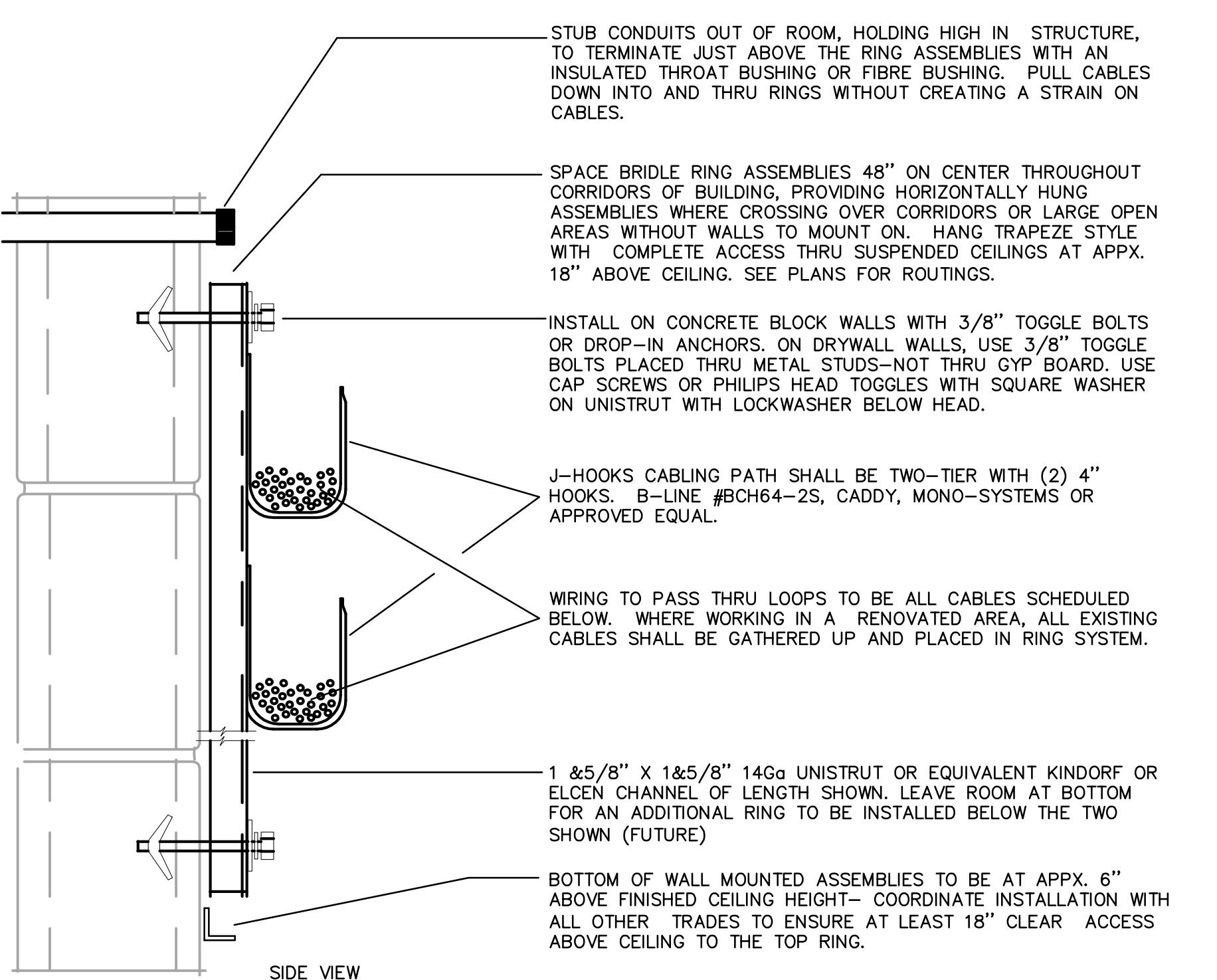
2011-02
PHASE - 3
E5.3
HS



**TYPICAL MOTOR/STARTER
INSTALLATION**

A
E4.3

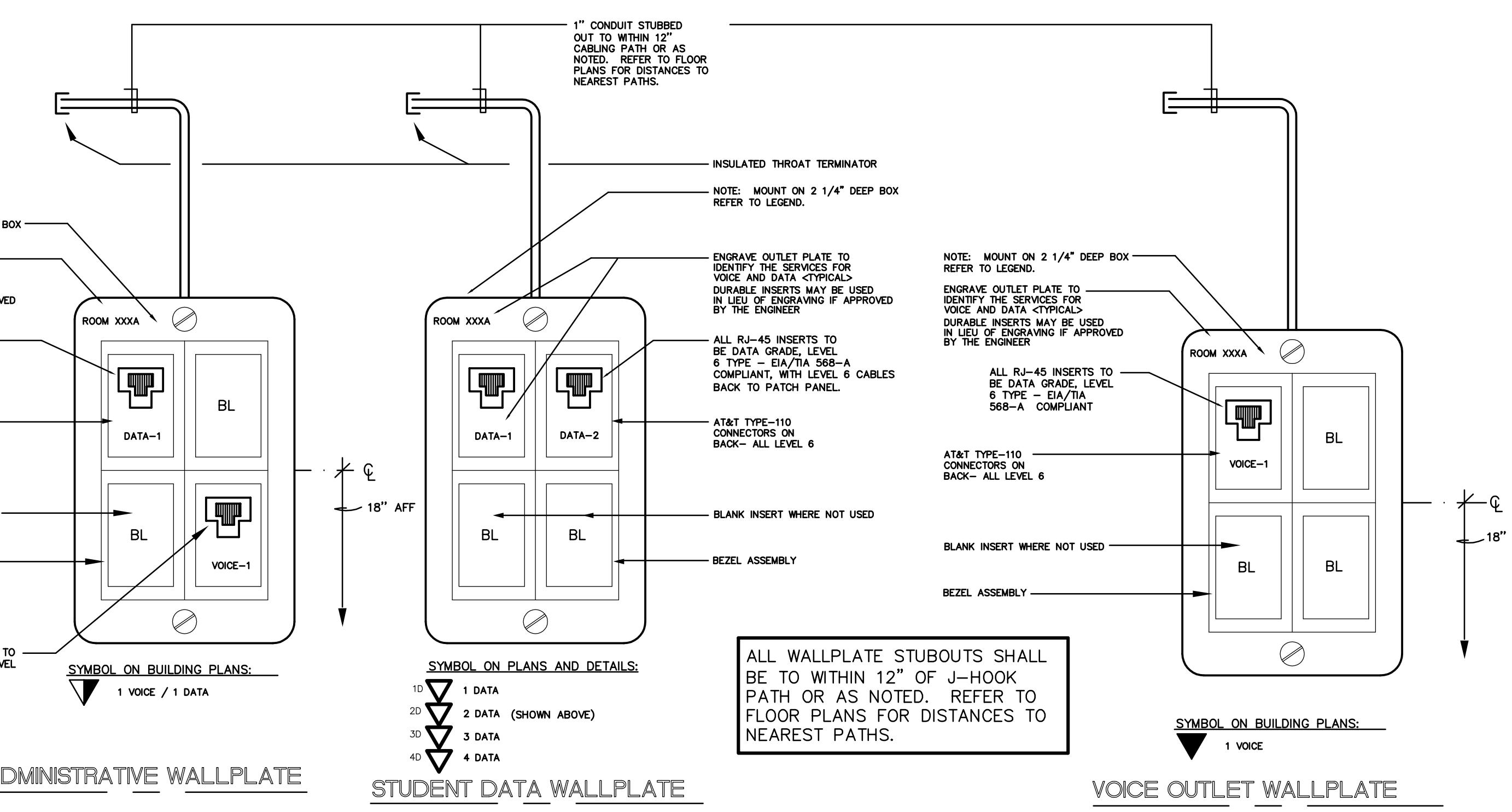
Scale: NO SCALE



"J-HOOK" CABLE PATH INSTALLATION DETAIL

B
E4.3

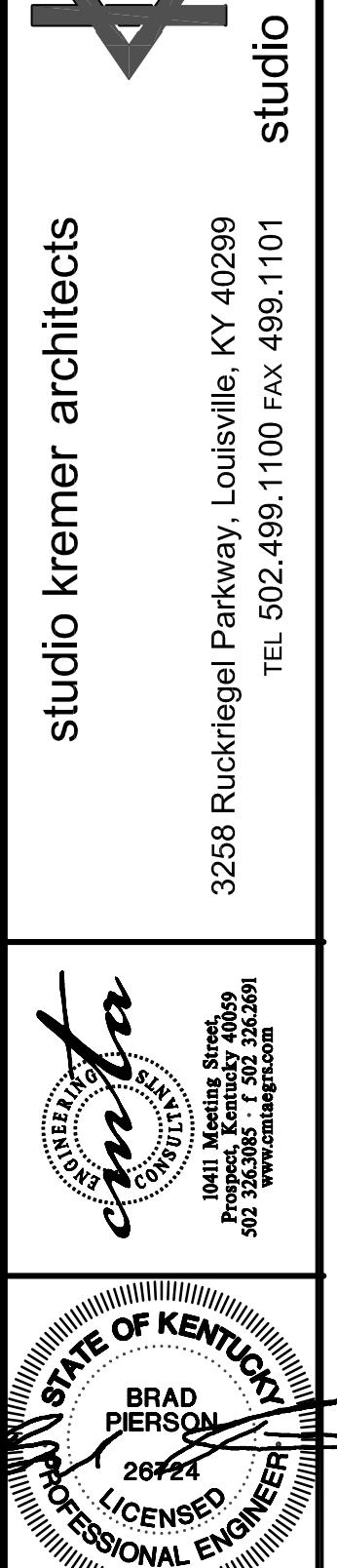
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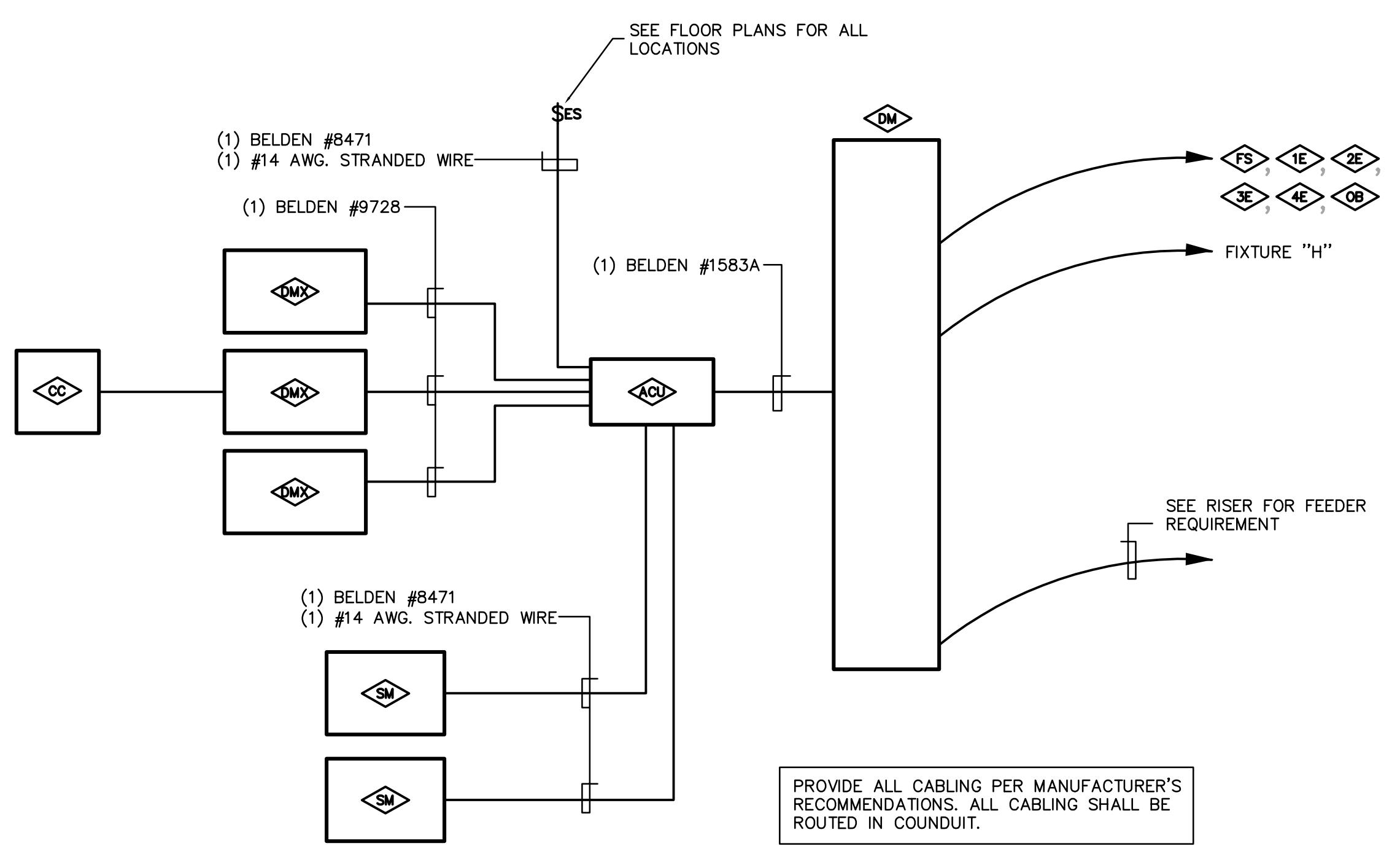
DETAIL OF WALLPLATE TYPES FOR VOICE/DATA SYSTEMS

C
E4.3

Scale: NO SCALE



CONSTRUCTION DOCUMENTS



AUDITORIUM DIMMING SCHEDULES AND DETAILS

SYMBOL	DESCRIPTION	PART NO.
	FRONT STAGE LIGHTING.	SEE SPECS.
	FIRST ELECTRIC LIGHTING.	SEE SPECS.
	SECOND ELECTRIC LIGHTING.	SEE SPECS.
	THIRD ELECTRIC LIGHTING.	SEE SPECS.
	FOURTH ELECTRIC LIGHTING.	SEE SPECS.
	ENTRY SWITCH.	SEE SPECS.
	STAGE MANAGER PANEL-12 BUTTON, 7 FADE UNIT.	SEE SPECS.
	ARCHITECTURE CONTROL UNIT.	SEE SPECS.
	CONTROL STATION OUTLET.	SEE SPECS.
	CONTROL CONSOLE.	SEE SPECS.
	LIGHTING DIMMER RACK.	SEE SPECS.
	STAGE OUTLET BOX.	SEE SPECS.

THEATRICAL LIGHTING EQUIPMENT LEGEND

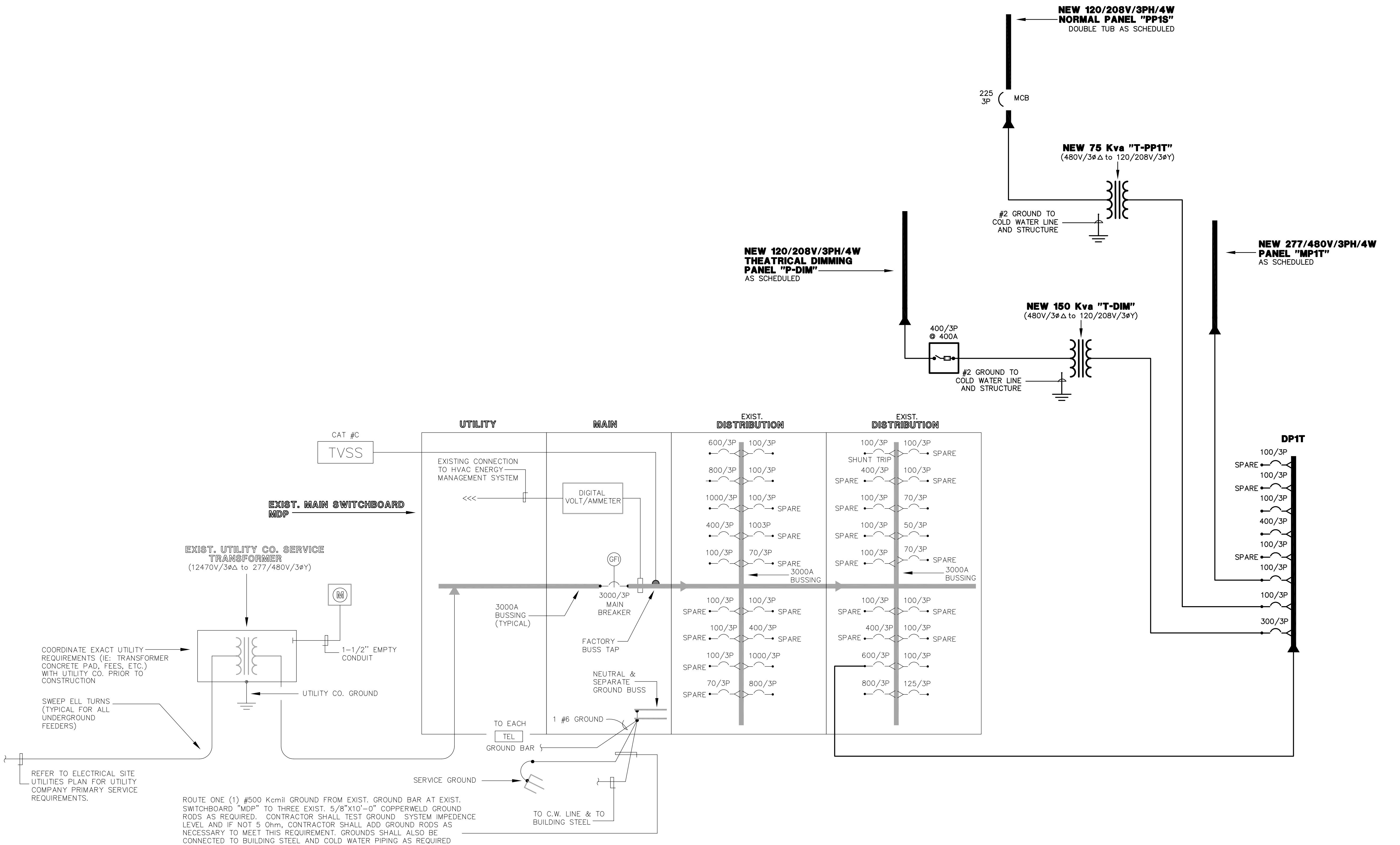
DIMMING CABINET "DM" SCHEDULE :

CIRCUIT	DESCRIPTION	BREAKER	DIMMING MODULE	LOAD
1	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
2	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
3	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
4	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
5	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
6	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
7	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
8	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
9	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
10	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
11	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
12	FUTURE FRONT HOUSE STRIP	1P20	INC 2.4-KW	FUTURE 750W
13	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
14	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
15	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
16	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
17	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
18	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
19	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
20	FRONT HOUSE STRIP	1P20	INC 2.4-KW	750 W
21	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
22	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
23	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
24	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
25	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
26	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
27	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
28	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
29	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
30	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
31	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
32	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
33	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
34	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
35	FIRST ELECTRIC	1P20	INC 2.4-KW	750 W
36	SECOND ELECTRIC	1P20	INC 2.4-KW	750 W
37	SECOND ELECTRIC	1P20	INC 2.4-KW	750 W
38	SECOND ELECTRIC	1P20	INC 2.4-KW	750 W
39	SECOND ELECTRIC	1P20	INC 2.4-KW	750 W
40	SECOND ELECTRIC	1P20	INC 2.4-KW	750 W
41	SECOND ELECTRIC	1P20	INC 2.4-KW	750 W
42	SECOND ELECTRIC	1P20	INC 2.4-KW	1500 W
43	SECOND ELECTRIC	1P20	INC 2.4-KW	1500 W
44	SECOND ELECTRIC	1P20	INC 2.4-KW	1500 W
45	SECOND ELECTRIC	1P20	INC 2.4-KW	1500 W
46	SECOND ELECTRIC	1P20	INC 2.4-KW	1500 W
47	SECOND ELECTRIC	1P20	INC 2.4-KW	1500 W
48	SECOND ELECTRIC	1P20	INC 2.4-KW	1500 W

DIMMING CABINET "DM" SCHEDULE :

CIRCUIT	DESCRIPTION	BREAKER	DIMMING MODULE	LOAD
49	SECOND ELECTRIC	1P20	INC 2.4-KW	1500 W
50	SECOND ELECTRIC	1P20	INC 2.4-KW	1500 W
51	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
52	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
53	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
54	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
55	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
56	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
57	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
58	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
59	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
60	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
61	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
62	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
63	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
64	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
65	THIRD ELECTRIC	1P20	INC 2.4-KW	1500 W
66	FOURTH ELECTRIC	1P20	INC 2.4-KW	1500 W
67	FOURTH ELECTRIC	1P20	INC 2.4-KW	1500 W
68	FOURTH ELECTRIC	1P20	INC 2.4-KW	1500 W
69	FOURTH ELECTRIC	1P20	INC 2.4-KW	1500 W
70	FOURTH ELECTRIC	1P20	INC 2.4-KW	1500 W
71	FOURTH ELECTRIC	1P20	INC 2.4-KW	1500 W
72	FOURTH ELECTRIC	1P20	INC 2.4-KW	1500 W
73	FOURTH ELECTRIC	1P20	INC 2.4-KW	1500 W
74	FOURTH ELECTRIC	1P20	INC 2.4-KW	1500 W
75	FOURTH ELECTRIC	1P20	INC 2.4-KW	1500 W
76	FOURTH ELECTRIC	1P20	INC 2.4-KW	1500 W
77	FOURTH ELECTRIC	1P20	INC 2.4-KW	0 W
78	SPARE	1P20	INC 2.4-KW	0 W
79	SPARE	1P20	INC 2.4-KW	0 W
80	SPARE	1P20	INC 2.4-KW	0 W
81	SPARE	1P20	INC 2.4-KW	0 W
82	SPARE	1P20	INC 2.4-KW	0 W
83	SPARE	1P20	INC 2.4-KW	0 W
84	SPARE	1P20	INC 2.4-KW	0 W
85	SPARE	1P20	INC 2.4-KW	0 W
86	HOUSE LIGHTING	1P20	INC 2.4-KW	600 W
87	HOUSE LIGHTING	1P20	INC 2.4-KW	800 W
88	HOUSE LIGHTING	1P20	INC 2.4-KW	860 W
89	HOUSE LIGHTING	1P		

CONSTRUCTION DOCUMENTS



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STATE OF KENTUCKY
BRAD
PIERSON
26724
SER.

ELIJAH COUNTY SCHOOL DISTRICT
288 WILDCAT LANE
BARDSTOWN, KENTUCKY 40004

ELECTRICAL DETAILS

N

ELSON COUNTY SCHOOLS – WEST CAMPUS

THOMAS NELSON H.S.

PHASE III

885 NEW SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

DATE : 12/07/2015
DRAWN BY : BP
CHECKED BY : BP
REVISIONS :

REVISIONS :

PHASE - 3

E6.1

HS

CONSTRUCTION DOCUMENTS

ELECTRICAL DETAILS

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A circular logo with the word "STAT" at the top and "PROFILE" at the bottom, separated by a diagonal line. The logo is surrounded by a hatched pattern.

studio kremer architects

1

3258 Ruckriegel Parkway, Louisville, KY 40299
TEL: 502.400.1100 FAX: 400.1101

PANELBOARD AND WIRING SCHEDULE - (Double Tub, Double Trim)																							
PANELBOARD		PP1T		AMPERES:	225	VOLTAGE		120/208		PHASE:	3	WIRE	4	MANUF.:	SQUARE D	TYPE:	NQOD						
GND	CON	LOAD			DESIGNATION			WIRE	BKR	CKT	CKT	BKR	WIRE	DESIGNATION	LOAD			CON	GND				
		A	B	C											A	B	C						
12	3/4"	0.4			MECH. PLATFORM - RCP			12	20/1	1	2	20/1	12	AUDITORIUM - RCP	0.8			3/4"	12				
12	3/4"		1.0		P-1, AUDITORIUM SOUTH			12	20/1	3	4	20/1	12	AUDITORIUM - RCP		0.8		3/4"	12				
12	3/4"			1.2	VESTIBULE/STORAGE - RCP			12	20/1	5	6	20/1	12	RESTROOM - RCP			0.8	3/4"	12				
12	3/4"	1.2			STORAGE/LOADING - RCP			12	20/1	7	8	20/1	12	MORORIZIED SCREEN	0.4			3/4"	12				
12	3/4"		0.6		ELECTRIC ROOM - RCP			12	20/1	9	10	20/1	12	PROJECTOR		0.8		3/4"	12				
12	3/4"			0.8	AUDITORIUM SOUND			12	20/1	11	12	20/1	12	CONTROL - RCP			0.4	3/4"	12				
12	3/4"	0.8			AUDITORIUM SOUND			12	20/1	13	14	20/1	12	CONTROL - RCP	0.6			3/4"	12				
12	3/4"		1.0		STAGE - RCP			12	20/1	15	16	20/1	12	AUDITORIUM - RCP		1.0		3/4"	12				
12	3/4"			0.8	STAGE - RCP			12	20/1	17	18	20/1	12	CATWALK - RCP		0.4		3/4"	12				
12	3/4"	0.8			(2) EF-1			12	20/1	19	20	20/1		SPARE									
12	3/4"		1.2		EF-2			12	20/1	21	22	20/1		SPARE									
					SFARE				20/1	23	24	20/1		SPARE									
					SFARE				20/1	25	26	20/1		SPARE									
					SFARE				20/1	27	28	20/1		SPARE									
					SFARE				20/1	29	30	20/1		SPARE									
					SFARE				20/1	31	32	20/1		SPARE									
					SFARE				20/1	33	34	20/1		SPARE									
					SFARE				20/1	35	36	20/1		SPARE									
					SFACE ONLY					37	38			SPACE ONLY									
					SFACE ONLY					39	40			SPACE ONLY									
					SFACE ONLY					41	42			SPACE ONLY									
		3.2	3.8	2.8	SUB-TOTAL		KVA					KVA	SUB-TOTAL		1.8	2.6	1.6	15.8					
												KVA	GROSS-TOTAL		5.0	6.4	4.4						
EMERGENCY POWER				NO					MAIN BREAKER:		225/3P					A.I.C. RATING: 10,000							
BRANCH:										MAIN LUGS:													

PANELBOARD AND WIRING SCHEDULE																								
PANELBOARD:		LP1E		AMPERES:	125	VOLTAGE:	277/480		PHASE:	3	WIRE	4	MANUF.:	SQUARED	TYPE:	NF								
GND	CON	LOAD			DESIGNATION			WIRE	BKR	OKT		DESIGNATION			LOAD			CON	GND					
		A	B	C								A	B	C										
12	3/4"	0.7			ADMIN. CORRIDOR - LTG			12	20/1	1					1.7			3/4"	12					
12	3/4"		2.1		ADMIN. OFFICE - LTG			12	20/1	3					3.3			3/4"	12					
12	3/4"			1.7	KITCHEN - LTG			12	20/1	5					2.2			3/4"	12					
12	3/4"	1.5			LOBBY 194 - LTG			12	20/1	7					1.3			3/4"	12					
12	3/4"		1.8		CORRIDOR "A" - LTG			12	20/1	9					0.9			3/4"	12					
12	3/4"			0.7	LOBBY 101 - LTG			12	20/1	11					3.9			3/4"	12					
					SPARE				20/1	13					2.6			3/4"	12					
					SPARE				20/1	15														
					SPARE				20/1	17														
					SPARE				20/1	19														
					SPARE				20/1	21														
					SPARE				20/1	23														
					SPARE				20/1	25														
					SPARE				20/1	27														
					SPARE				20/1	29														
					SPARE				20/1	31														
					SPARE				20/1	33														
					SPARE				20/1	35														
					SPACE ONLY					37														
					SPACE ONLY					39														
					SPACE ONLY					41														
		2.2	3.9	2.4	SUB-TOTAL		KVA						KVA	SUB-TOTAL		5.6	4.2	6.1						
													KVA	GROSS-TOTAL		7.8	8.1	8.5	24.4					
EMERGENCY POWER:				NO				MAIN BREAKER:																
BRANCH:								MAIN LUGS:						A.I.C. RATING: 10.000										

PANELBOARD AND WIRING SCHEDULE																					
PANELBOARD:		ELS1E		AMPERES:	125	VOLTAGE:	277/480		PHASE:	3	WIRE	4	MANUF.:	SQUARE D	TYPE	NF(30 POLE)					
GND	CON	LOAD			DESIGNATION			WIRE	BKR	CKT	CKT	BKR	WIRE	DESIGNATION			LOAD			CON	GND
		A	B	C										A	B	C					
					SPARE				20/1	1											
12	3/4"		2.0		CORRIDOR - LTG			10	20/1	3											
12	3/4"			0.5	AUDITORIUM EMER. LED			12	20/1	5											
10	3/4"	6.9			HHP - 120			8	40/3	7											
---	---		6.9		-----			---	---	9											
---	---			6.9	-----			---	---	11											
12	3/4"	0.6			P-11			12	20/3	13											
---	---		0.6		-----			---	---	15											
---	---			0.6	-----			---	---	17											
12	3/4"	1.0			EXTERIOR - LTG			12	20/1	19											
					SPARE				20/1	21											
					SPARE				20/1	23											
					SPACE ONLY				20/1	25											
					SPACE ONLY				20/1	27											
					SPACE ONLY				20/1	29											
										31											
										33											
										35											
										37											
										39											
										41											
		8.5	9.5	8.0	SUB-TOTAL		KVA						KVA	SUB-TOTAL		6.5	8.8	9.7	51.0		
EMERGENCY POWER:	YES				MAIN BREAKER:								KVA	GROSS-TOTAL		15.0	18.3	17.7			
BRANCH:	LIFE SAFETY				MAIN LUGS:			YES					A.I.C. RATING: 10,000								

PANELBOARD AND WIRING SCHEDULE																			
PANELBOARD:		MP1T		AMPERES:	125	VOLTAGE:	277/480		PHASE:	3	WIRE:	4	MANUF.:	SQUARE D	TYPE:	NF(30 POLE)			
GND	CON	LOAD			DESIGNATION			WIRE	BKR	CKT	CKT	BKR	WIRE	LOAD			CON	GND	
		A	B	C										A	B	C			
10	3/4"	7.0			HP- 120, AUDITORIUM SOUTH			8	40/3	1	2	40/3	8	HP- 180, AUDITORIUM NORTH			3/4"	10	
---	---		7.0		-----			---	---	3	4	---	---	-----			8.1		
---	---			7.0	-----			---	---	5	6	---	---	-----			8.1		
12	3/4"	0.6			P-2, AUDITORIUM SOUTH			12	20/3	7	8	30/3	10	HP- 60, AUDITORIUM SOUTH			5.0		
---	---		0.6		-----			---	---	9	10	---	---	-----			5.0		
---	---			0.6	-----			---	---	11	12	---	---	-----			5.0		
12	3/4"	1.5			EH-1			12	20/3	13	14	20/3	12	P-2, AUDITORIUM NORTH			0.6		
---	---		1.5		-----			---	---	15	16	---	---	-----			0.6		
					SPARE				20/1	17	18	---	---	-----			0.6		
12	3/4"	1.6			EH-2			12	20/3	19	20	20/1	12	AUDITORIUM- LTG			1.2		
---	---		1.6		-----			---	---	21	22	20/1		SPARE					
---	---			1.6	-----			---	---	23	24	20/1		SPARE					
					SPARE				20/1	25	26			SPACE ONLY					
					SPARE				20/1	27	28			SPACE ONLY					
					SPARE				20/1	29	30			SPACE ONLY					
										31	32								
										33	34								
										35	36								
										37	38								
										39	40								
										41	42								
		10.7	10.7	9.2	SUB-TOTAL		KVA					KVA	SUB-TOTAL		14.9	13.7	13.7	72.	
												KVA	GROSS-TOTAL		25.6	24.4	22.9		
EMERGENCY POWER:				NO					MAIN BREAKER:										
BRANCH:										MAIN LUGS:				YES		A.I.C. RATING: 18,000			

TAGGED NOTES (PANELBOARD SCHEDULES) :

1 △
PANELBOARD INDICATED IS PROVIDED FROM PHASE 1 OF PROJECT. CIRCUITS INDICATED SHALL BE PROVIDED BY PHASE 1 CONTRACTOR. ALL CIRCUITS NOT COVERED BY THIS NOTE SHALL BE PROVIDED BY THIS CONTRACTOR. PROVIDE NEW BREAKERS AS REQUIRED FOR NEW CIRCUITS INDICATED. COORDINATE ALL WORK WITH PHASE 1 CONTRACTOR. REFER TO RISER DIAGRAM FOR NEW AND EXISTING PANELBOARDS.

PANELBOARD SCHEDULE NOTES :

* REFER TO POWER RISER FOR SIZES.
GFI PROVIDE G.F.C.I. 20A/1P TYPE CIRCUIT BREAKER.
NOTE: ALL PANELBOARDS SHALL BE ORDERED WITH
"DOOR-IN-DOOR" OPTION.

LAMACOID NAMEPLATE

The diagram shows a rectangular panel labeled "PANEL "A"" at the top right. On the left side, there are two text labels with arrows pointing to specific locations on the panel: "1/2" HIGH LETTERS" and "1/4" HIGH LETTERS". The "1/2" HIGH LETTERS label is positioned above the "1/4" HIGH LETTERS label. To the right of the panel, there is a block of text: "NORMAL POWER 120/208V/3PH/4W", "FEED: 150 AMPS", "FED FROM: MXA", and "VIA: TXA".

TYPICAL POWER PANEL NAMEPLATE DETAIL

NORMAL POWER PANELS SHALL HAVE BLACK WITH WHITE LETTERS
EMERGENCY POWER PANELS SHALL HAVE RED WITH WHITE LETTERS