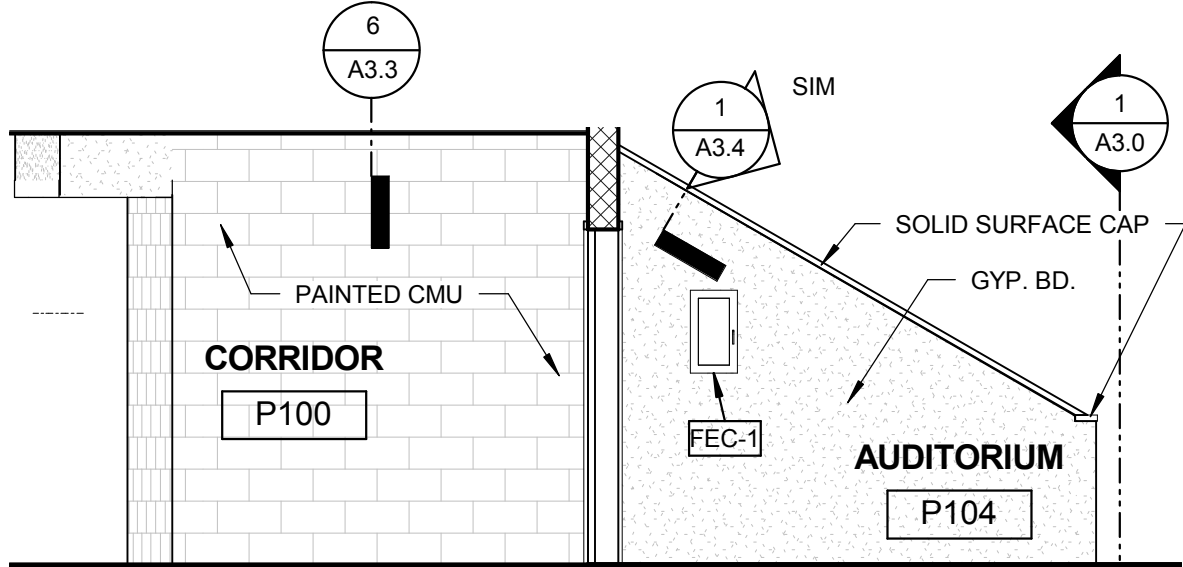


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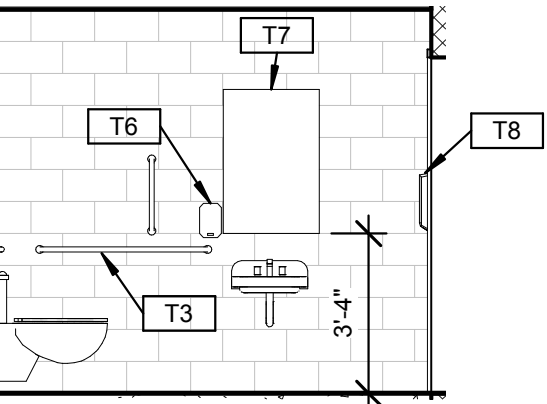
TOILET ACCESSORY SCHEDULE	
MARK	DISCRIPTION
T1	NOT USED
T2	NOT USED
T3	GRAB BARS - 36" LONG GRAB BAR - MOUNT @ BACK OF TOILET WALL, 6" OFF SIDE WALL TO END & 42" LONG GRAB BAR ON SIDEWALL, 12" OFF BACK WALL TO END - MOUNT EACH @ 34" A.F.F. TO CENTERLINE & 18" LONG VERTICAL GRAB BAR @ 36" A.F.F. TO BOTTOM @ 40" FROM TOILET WALL TO CENTERLINE (ASI 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 ELCTRICAL 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:

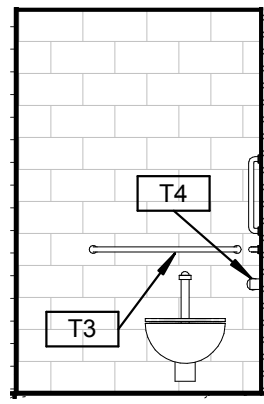
1. PROVIDE PROPER BLOCKING FOR ALL WALL MOUNTED ACCESSORIES.
2. ALL WATER CLOSETS SHALL HAVE A SEAT HEIGHT OF 19" A.F.F. U.N.O.
3. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE DESIGNED FOR 250 LB. PER LINEAR FOOT LOAD.
4. DIMENSIONS NOTED ON ENLARGED TOILET ROOM / RESTROOM PLANS ARE FROM FACE OF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



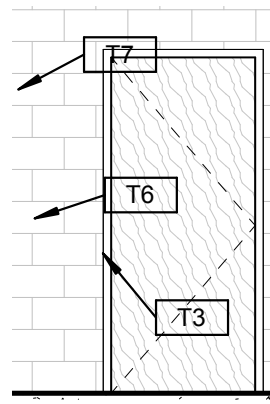
⑧ INTERIOR ELEVATION  
1/4" = 1'-0"



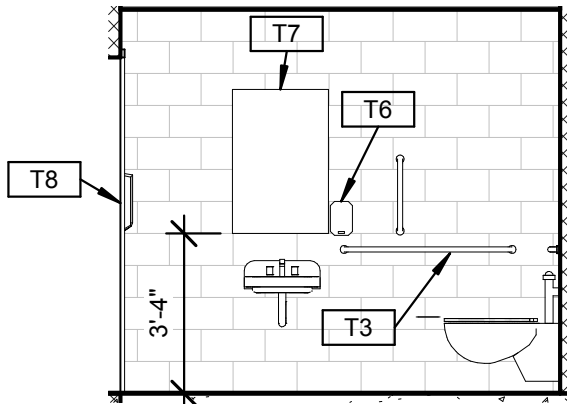
⑤ INTERIOR ELEVATION  
1/4" = 1'-0"



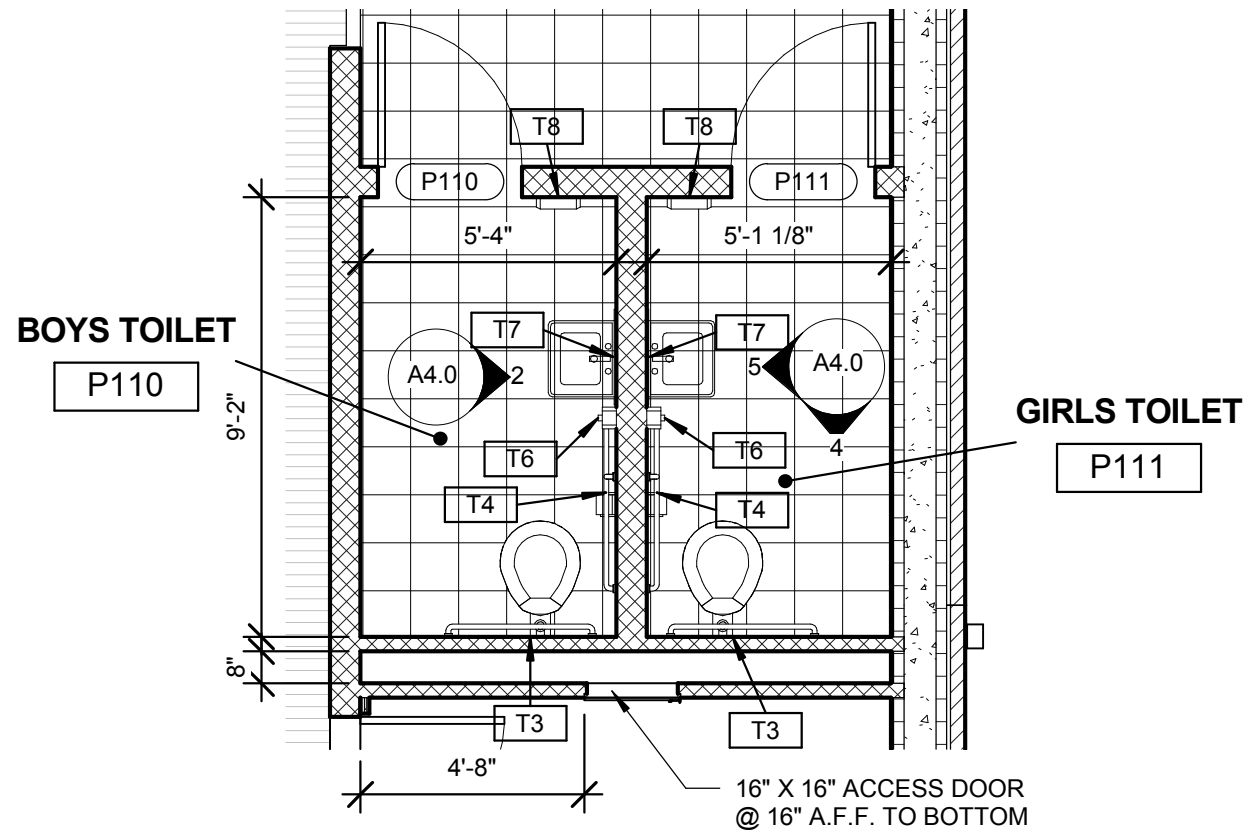
④ INTERIOR ELEVATION  
1/4" = 1'-0"



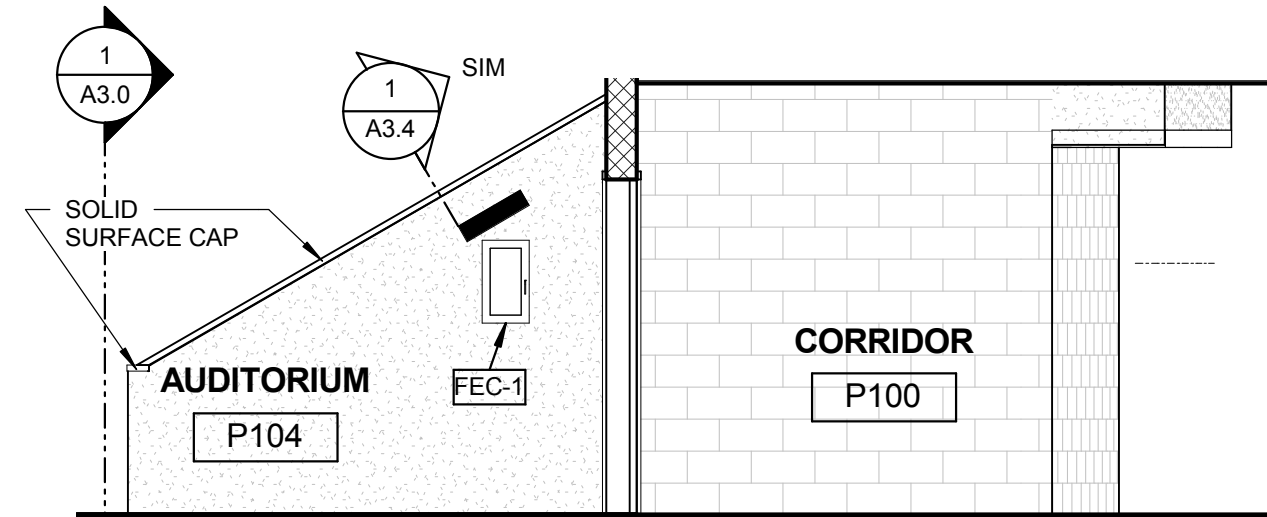
③ INTERIOR ELEVATION  
1/4" = 1'-0"



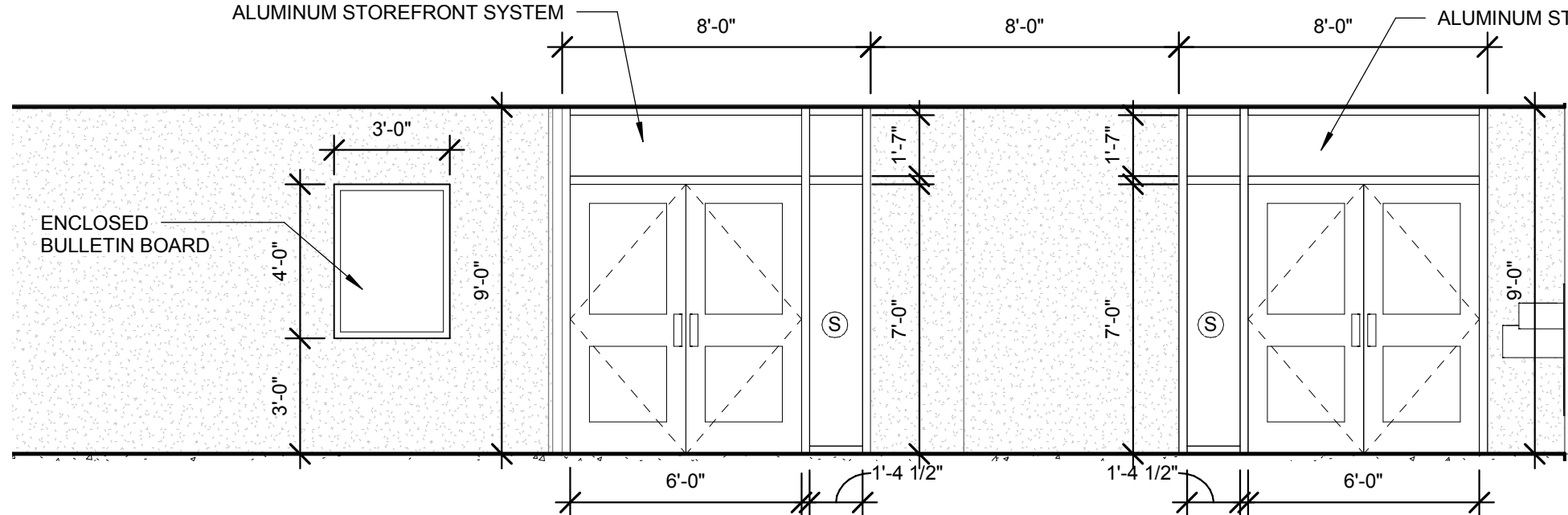
② INTERIOR ELEVATION  
1/4" = 1'-0"



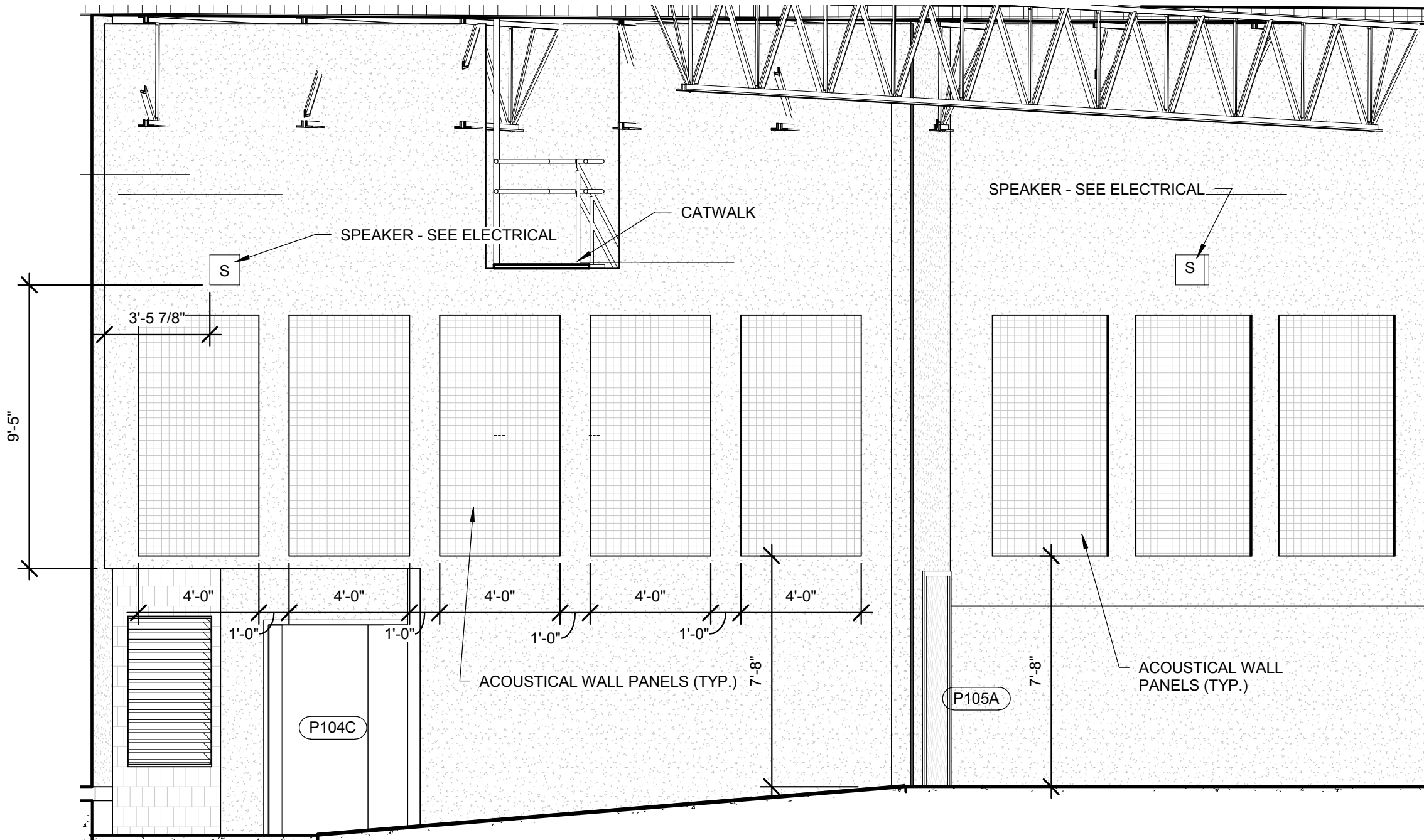
① ENLARGED RESTROOM PLAN  
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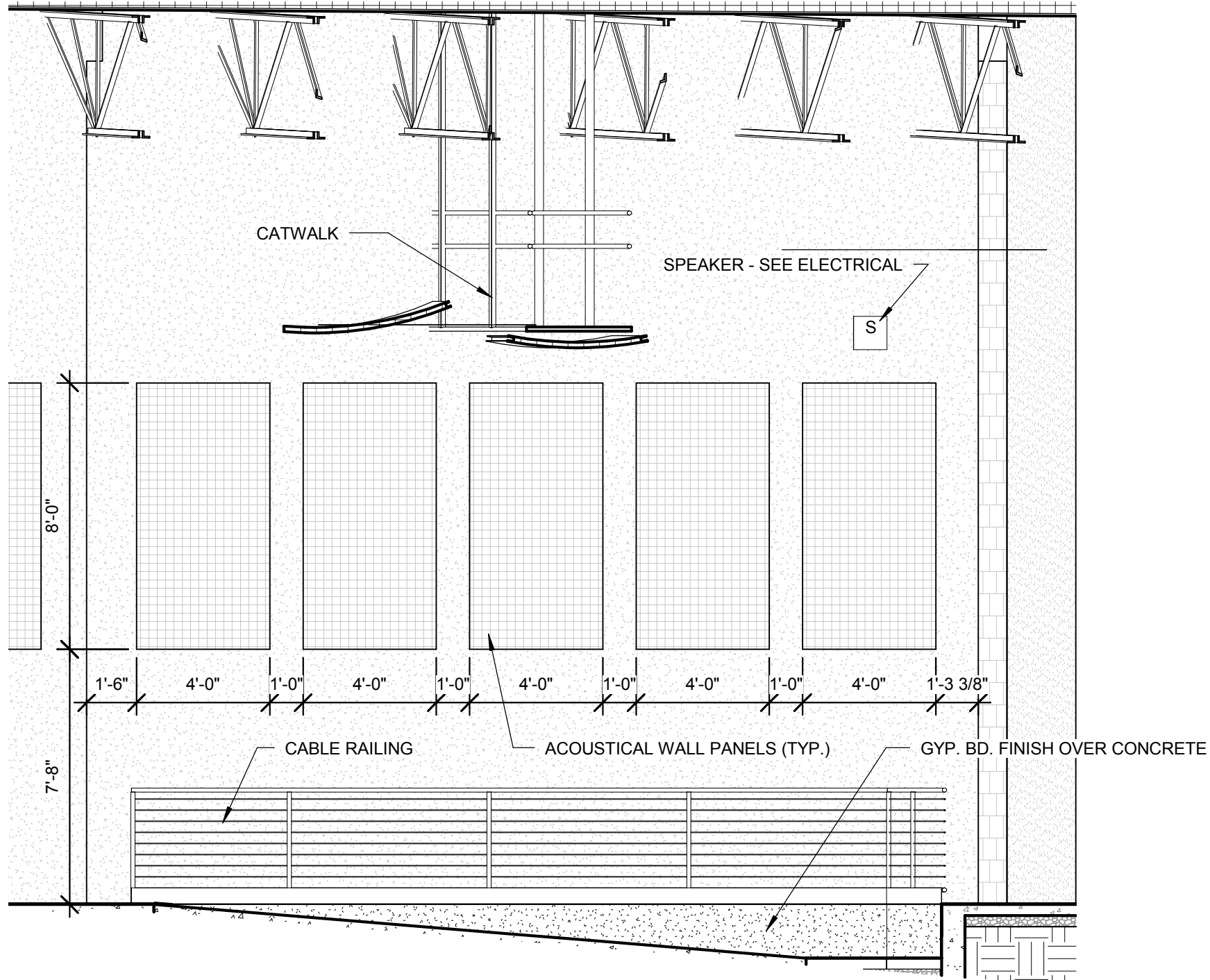
⑦ INTERIOR ELEVATION  
1/4" = 1'-0"



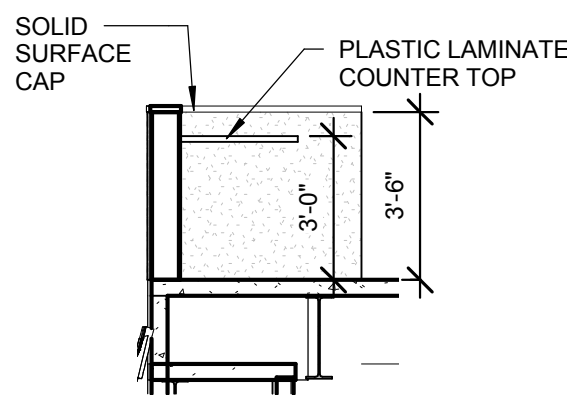
⑥ INTERIOR ELEVATION  
1/4" = 1'-0"



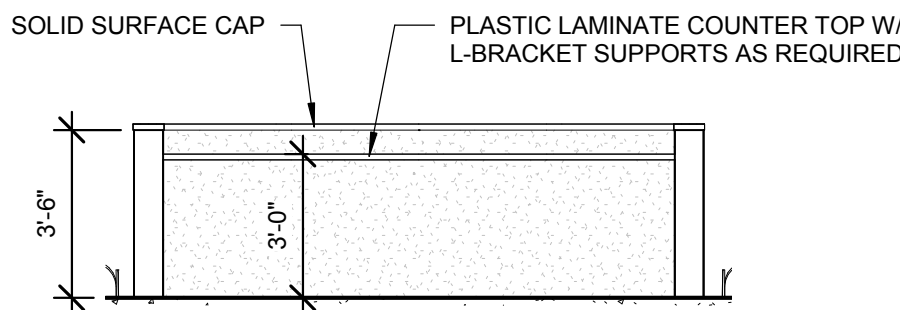
⑩ INTERIOR ELEVATION  
1/4" = 1'-0"



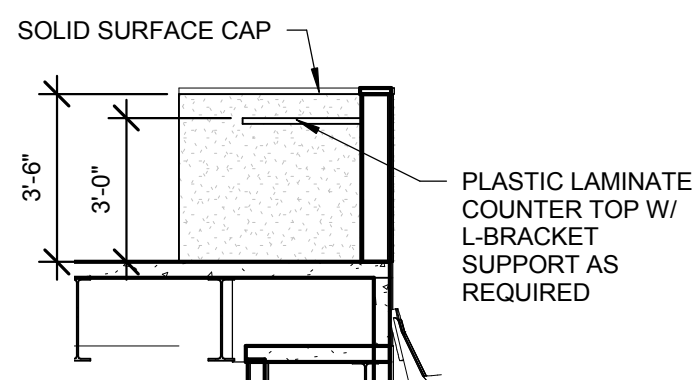
⑨ INTERIOR ELEVATION  
1/4" = 1'-0"



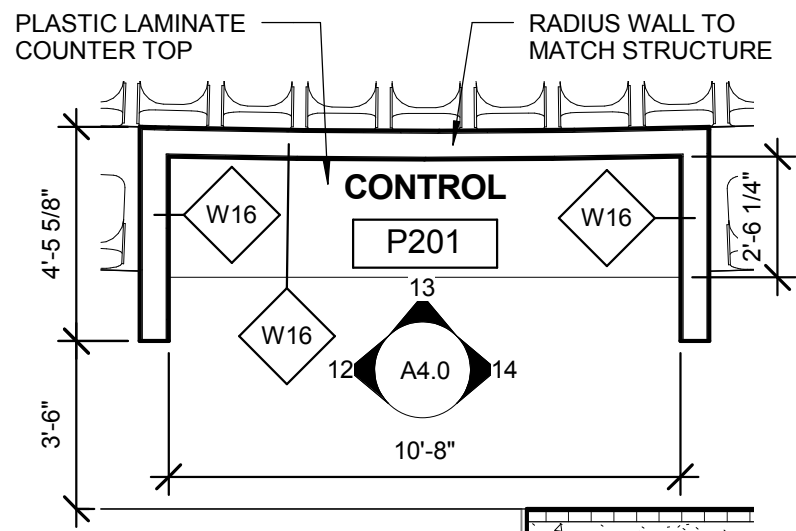
⑭ INTERIOR ELEVATION  
1/4" = 1'-0"



⑬ INTERIOR ELEVATION  
1/4" = 1'-0"



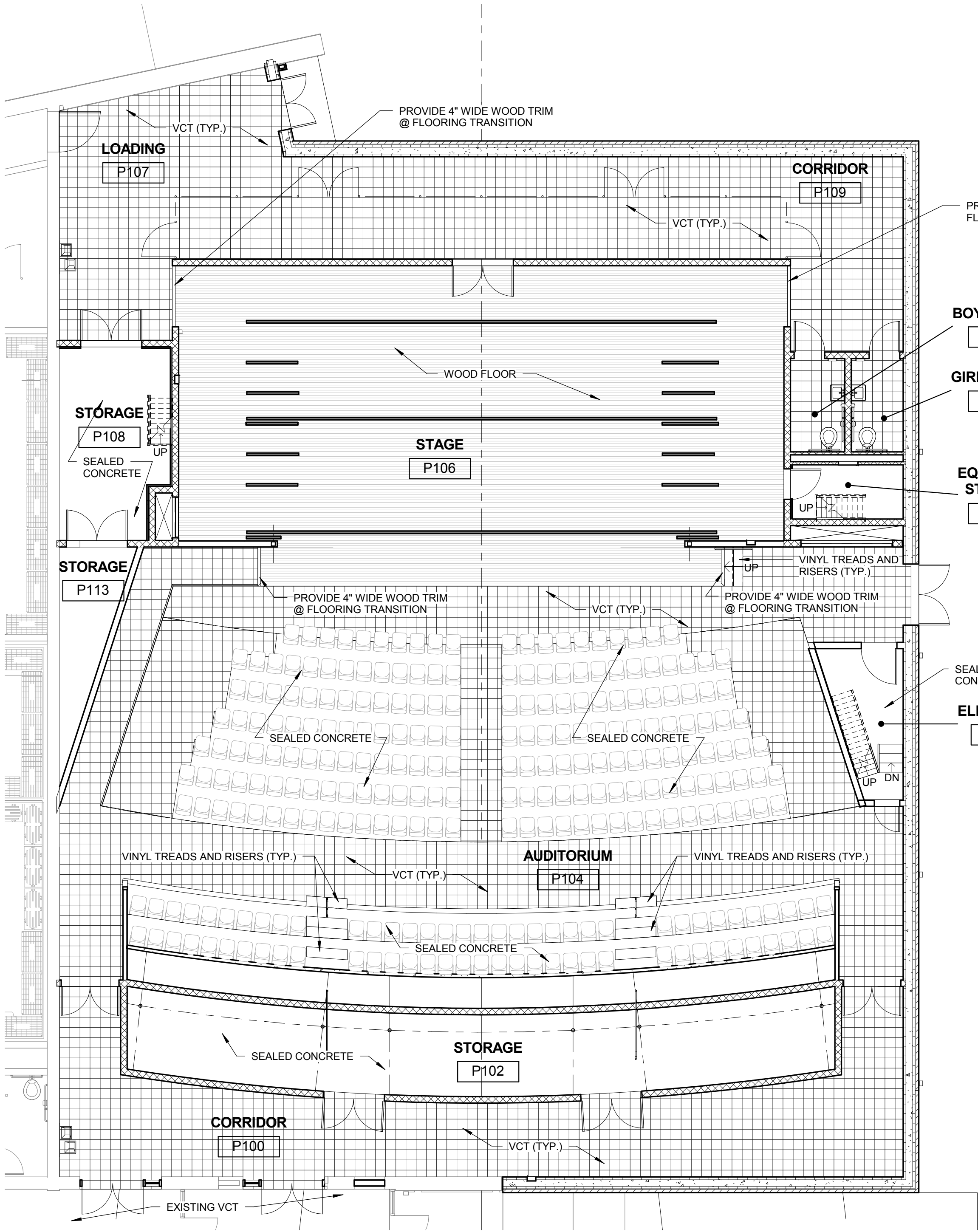
⑫ INTERIOR ELEVATION  
1/4" = 1'-0"



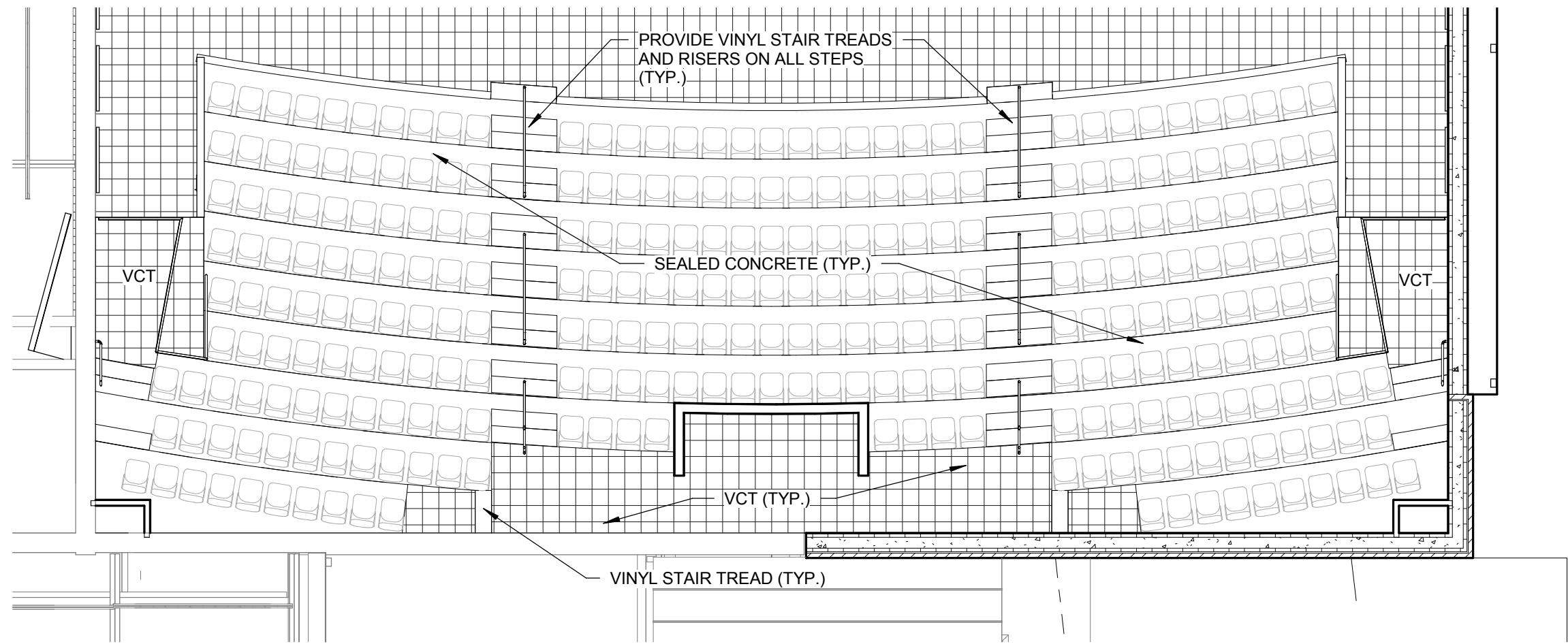
⑪ ENLARGED FLOOR PLAN  
1/4" = 1'-0"

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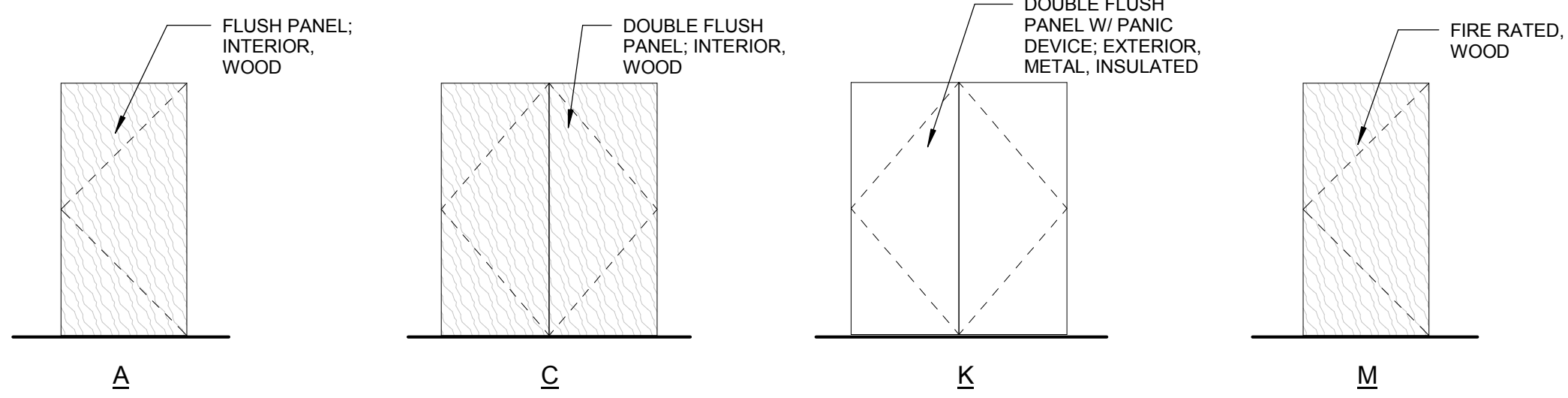
1 AUDITORIUM FINISH FLOOR PLAN  
1/8" = 1'-0"



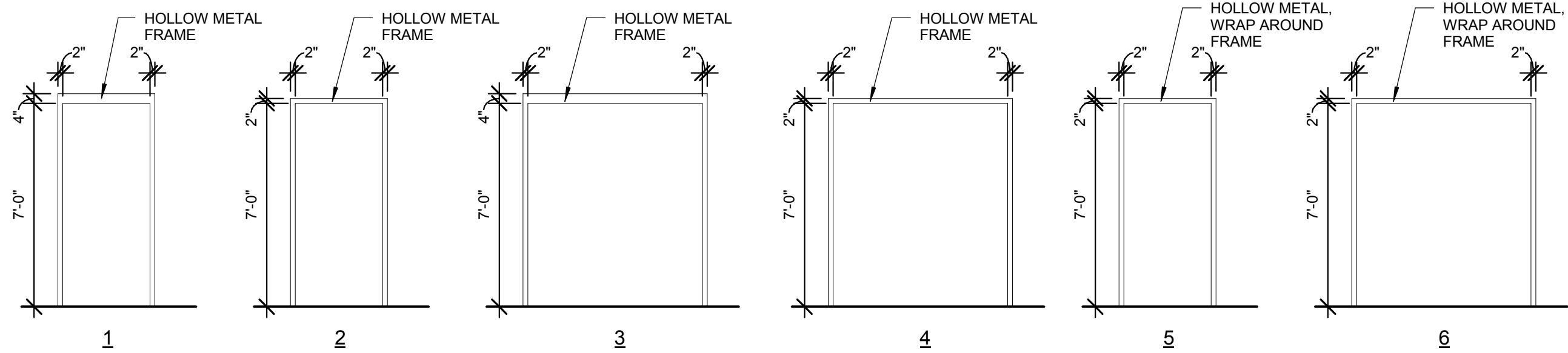
2 MEZZANINE FINISH FLOOR PLAN  
1/8" = 1'-0"

DOOR SCHEDULE											
Mark	Type Mark	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.		-		
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 TYPES LEGEND  
1/4" = 1'-0"



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	PANT	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.

	VCT - 1		SEALED CONCRETE
	VCT - 2		
	VCT - 3		

NOTE:

1. PROVIDE ADA APPROVED VINYL THRESHOLDS AT ALL TRANSITIONS BETWEEN VCT AND SEALED CONCRETE
2. COORDINATE WITH ELECTRICAL FOR LOCATIONS WHERE FLOOR LIGHTING IS USED FOR TRANSITION FROM VCT TO SEALED CONCRETE.

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



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3256 Ruckriegel Parkway, Louisville, KY 40299  
TEL 502.499.1100 FAX 499.1101



NELSON COUNTY SCHOOL DISTRICT  
288 WILDCAT LANE  
BARDSTOWN, KENTUCKY 40004

SCHEDULES AND FINISH PLANS

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

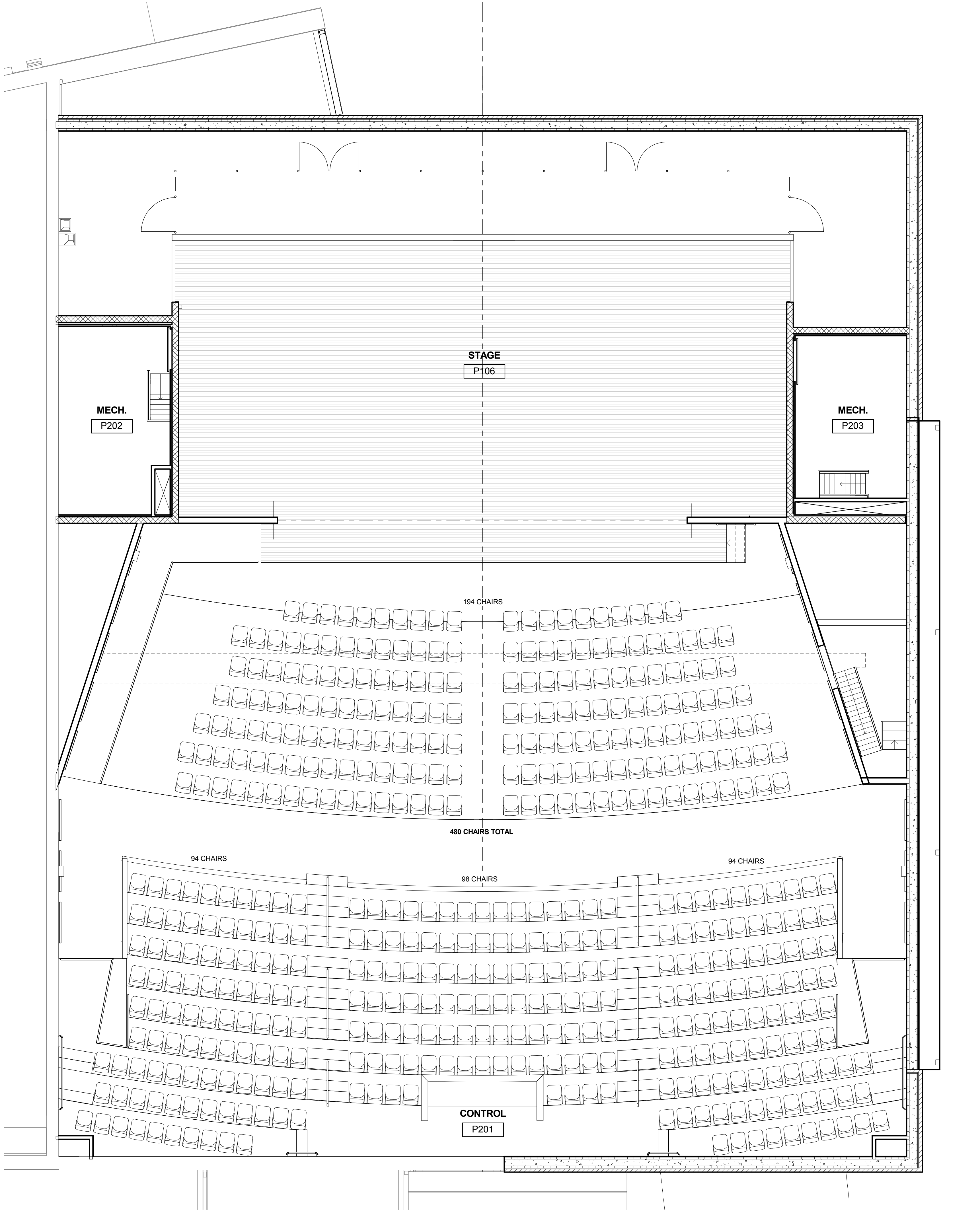
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HS

CONSTRUCTION DOCUMENTS

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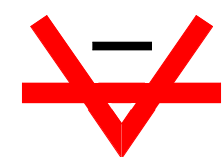
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① AUDITORIUM FURNITURE PLAN  
3/16" = 1'-0"

## GENERAL SEATING NOTES

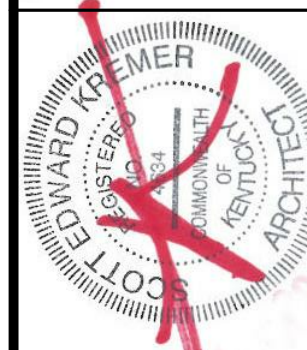
1. SEATING SUPPLIER SHALL PROVIDE COMPLETE SEAT LAYOUT PLAN INCLUDING REQUIRED H.C. SPACES.
2. SEATING INSTALLER SHALL SUBMIT "STADIUM" SEATING LAYOUT TO LOCAL CODE ENFORCEMENT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.



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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 III

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

BG 15-229

DATE : 12/8/2015  
DRAWN BY : BVD  
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REVISIONS :

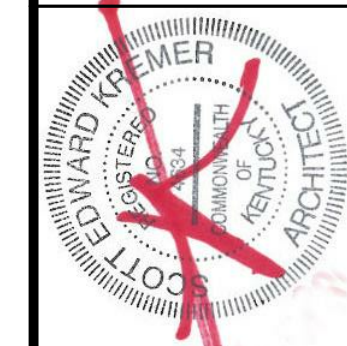
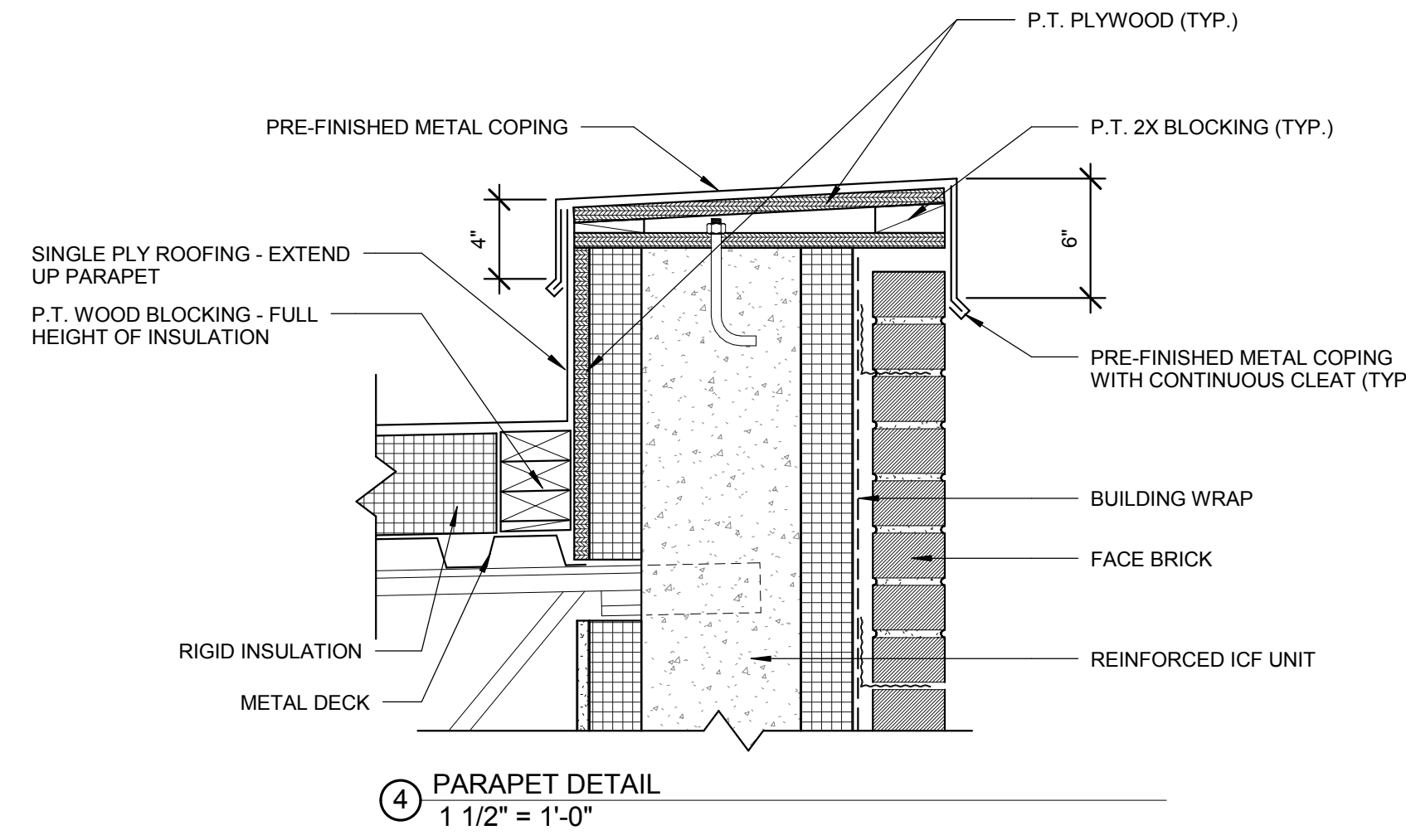
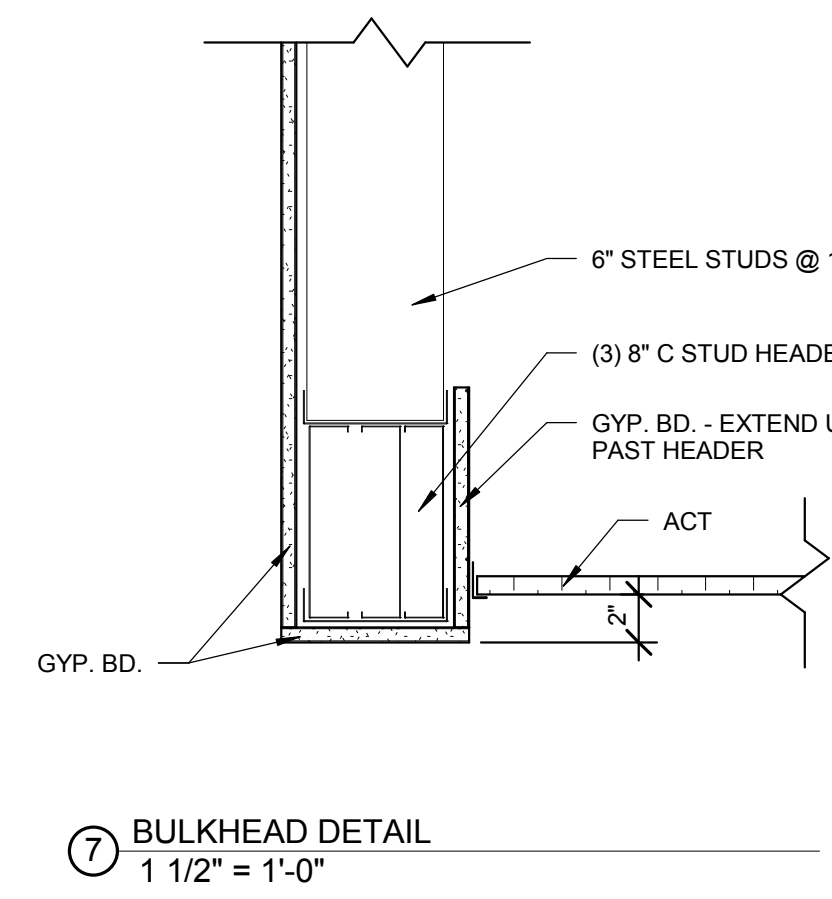
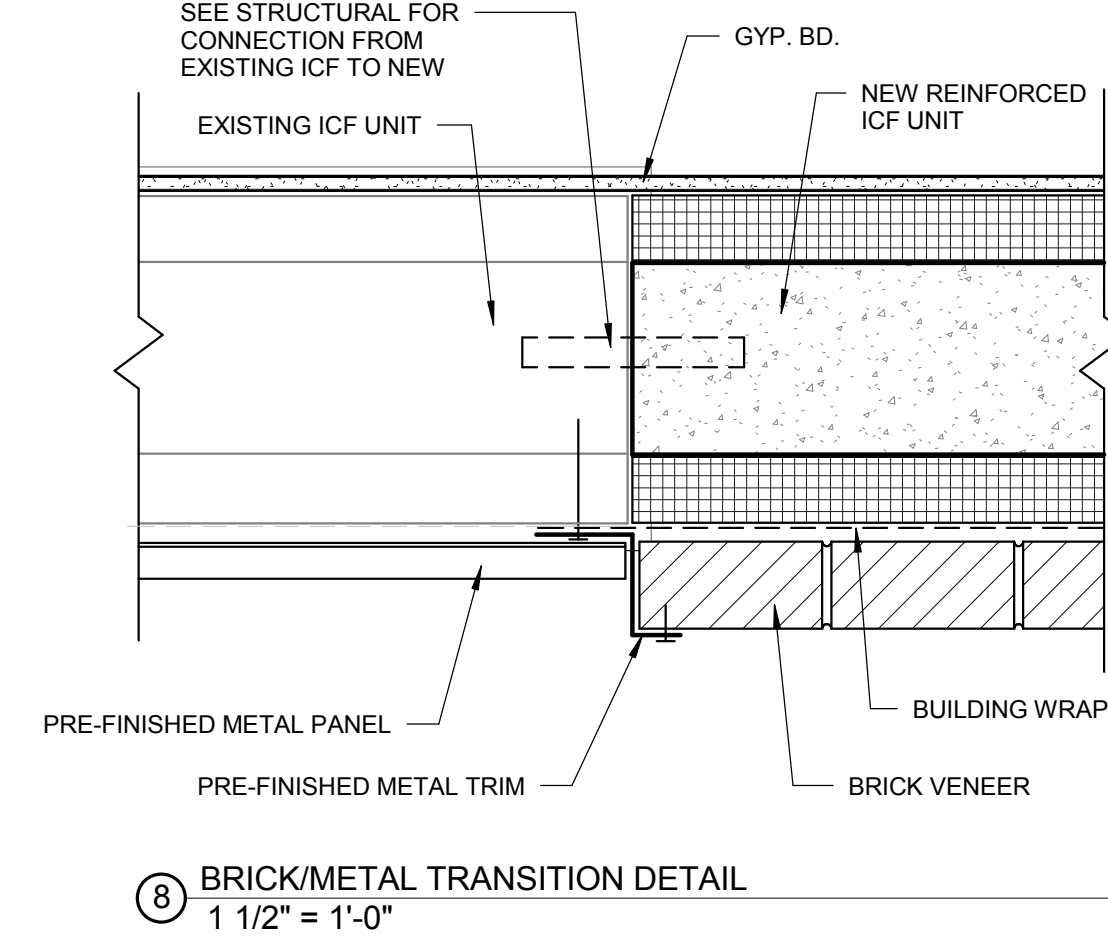
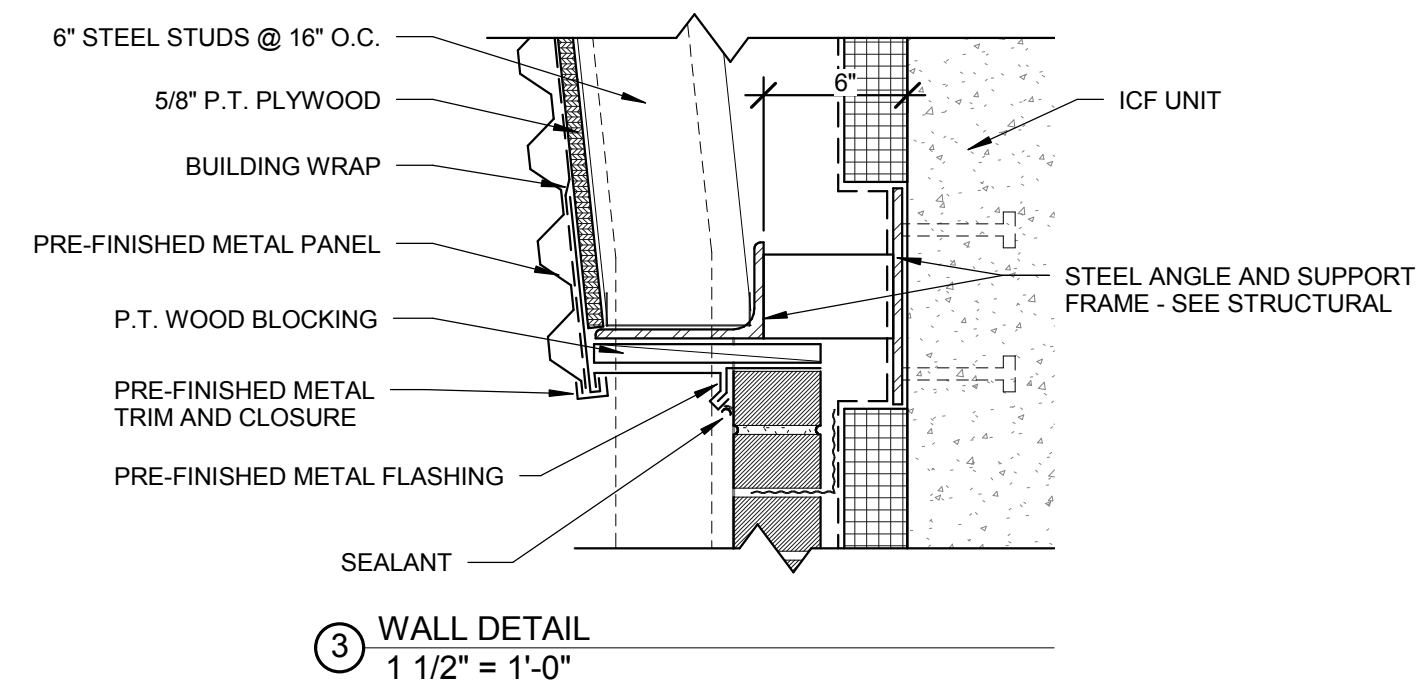
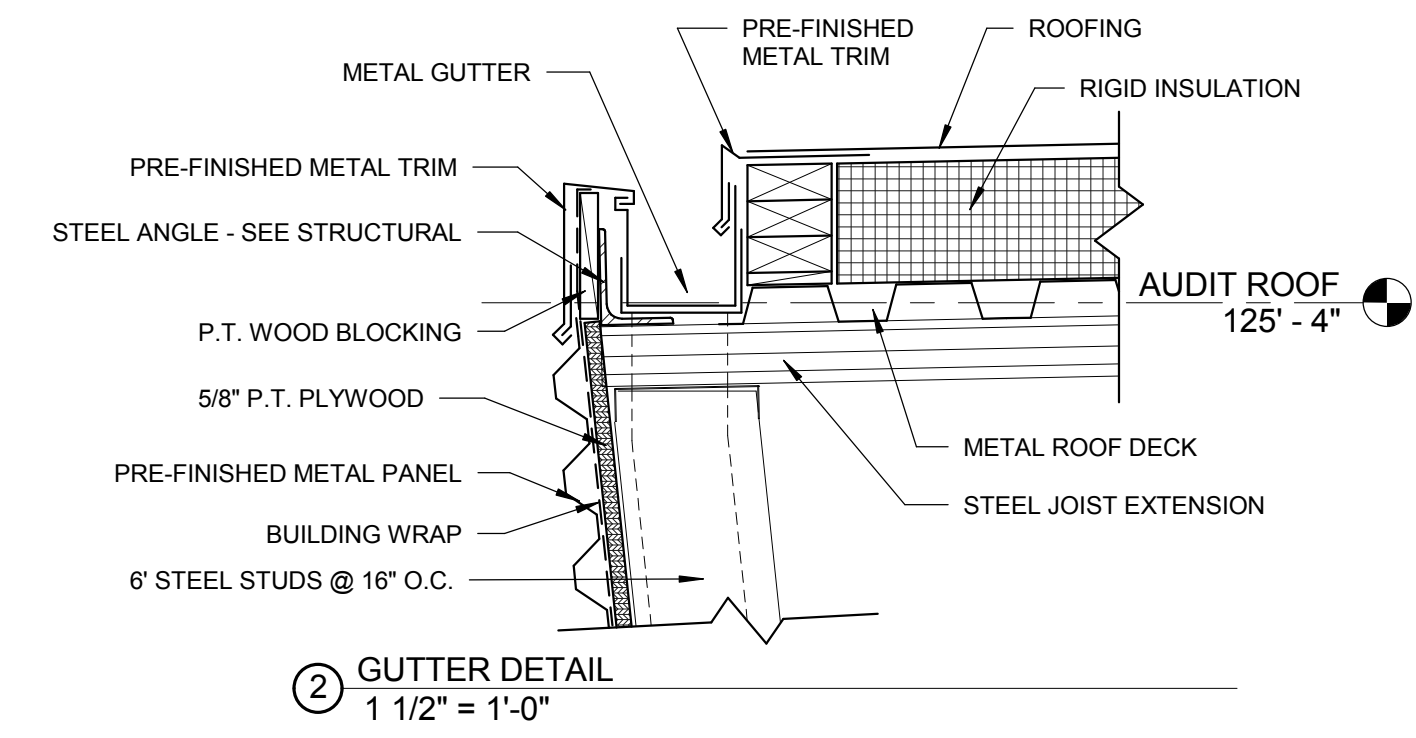
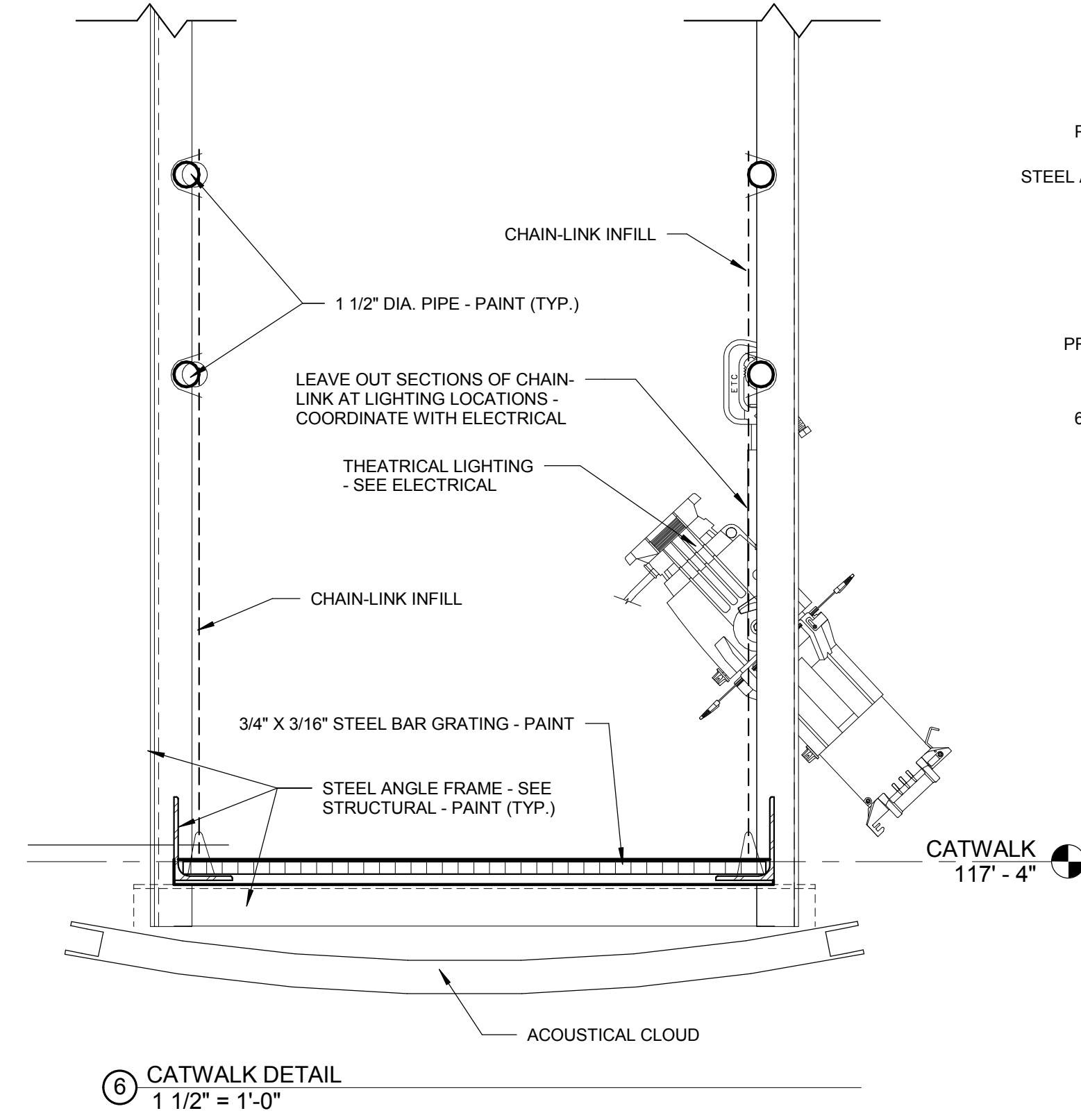
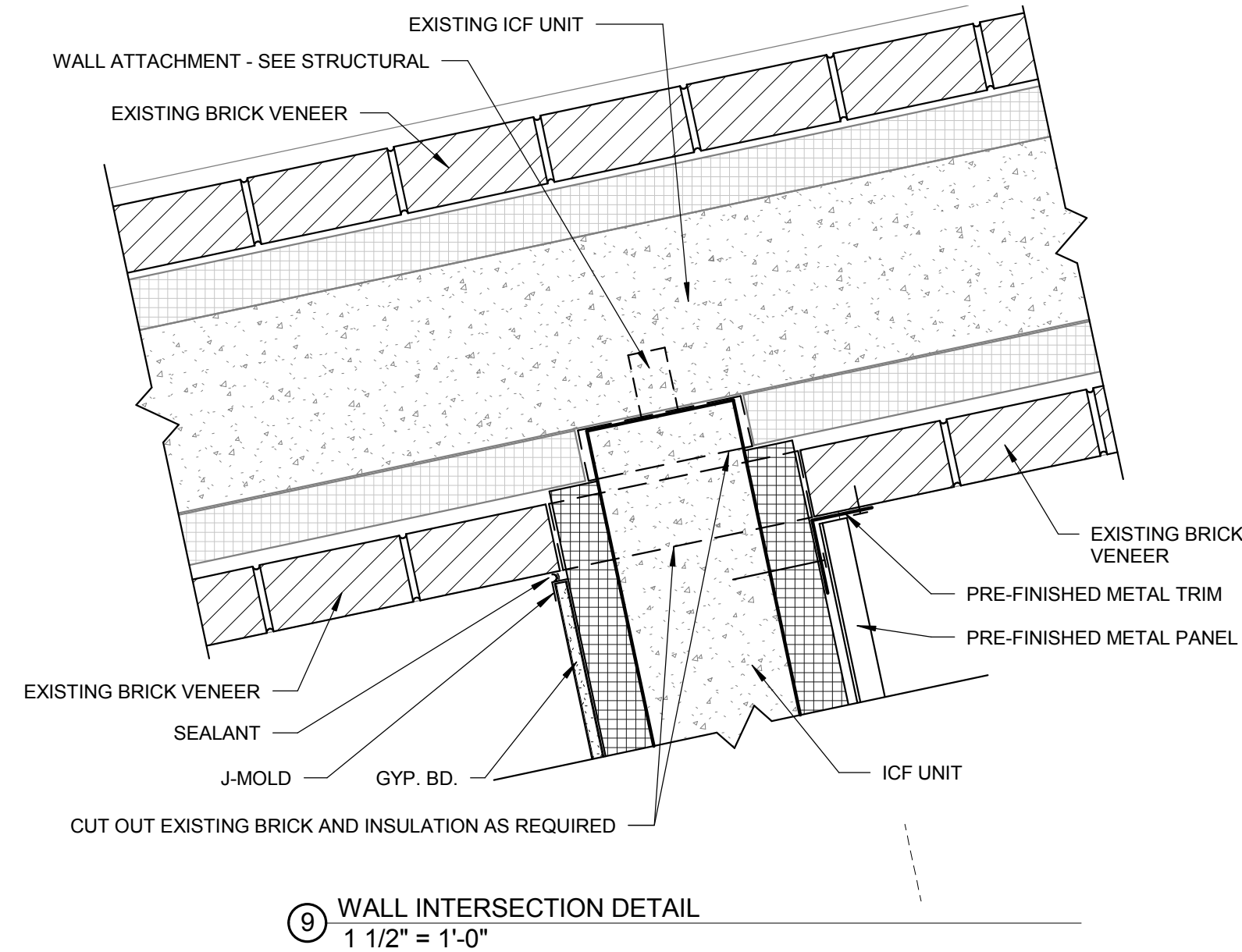
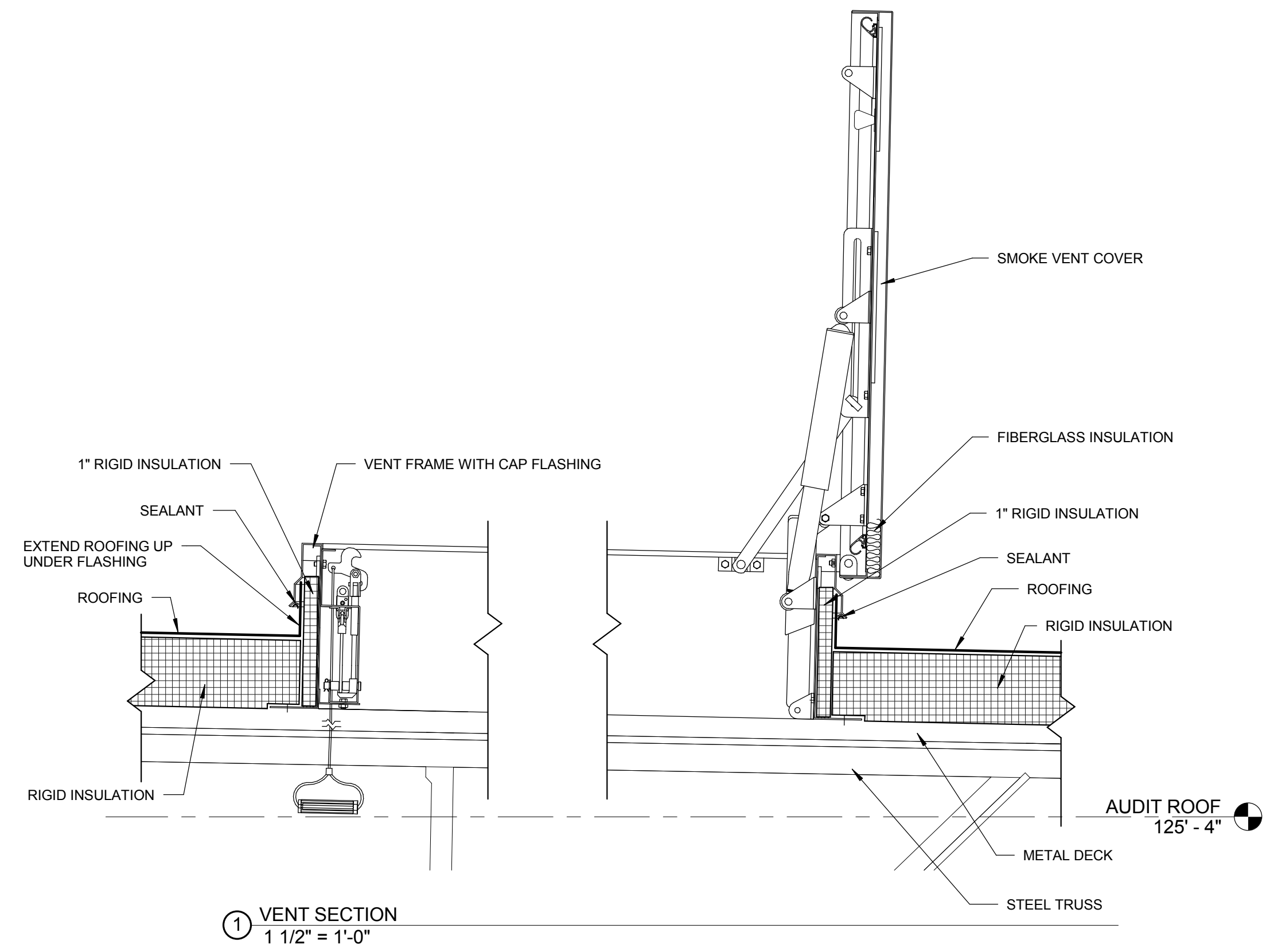
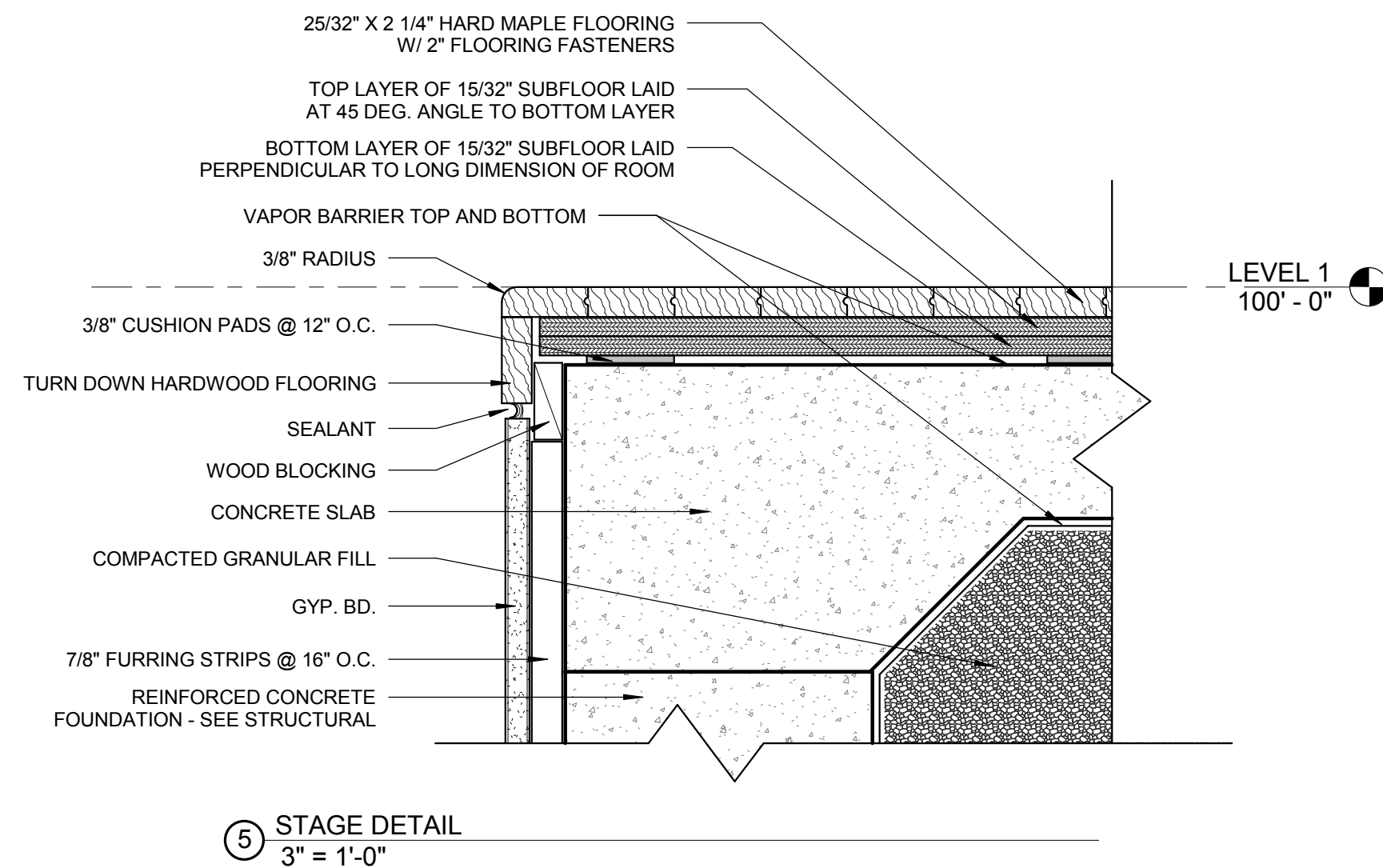
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PHASE - 3

A5.1

HS

CONSTRUCTION DOCUMENTS



NELSON COUNTY SCHOOL DISTRICT  
288 WILDCAT LANE  
BARDSTOWN, KENTUCKY 40004

TYPICAL DETAILS  
NELSON COUNTY SCHOOLS - WEST CAMPUS  
THOMAS NELSON H.S.  
PHASE III  
DESIGNED TO MEET THE  
KENTUCKY DESIGN  
STANDARD  
2885 NEW SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

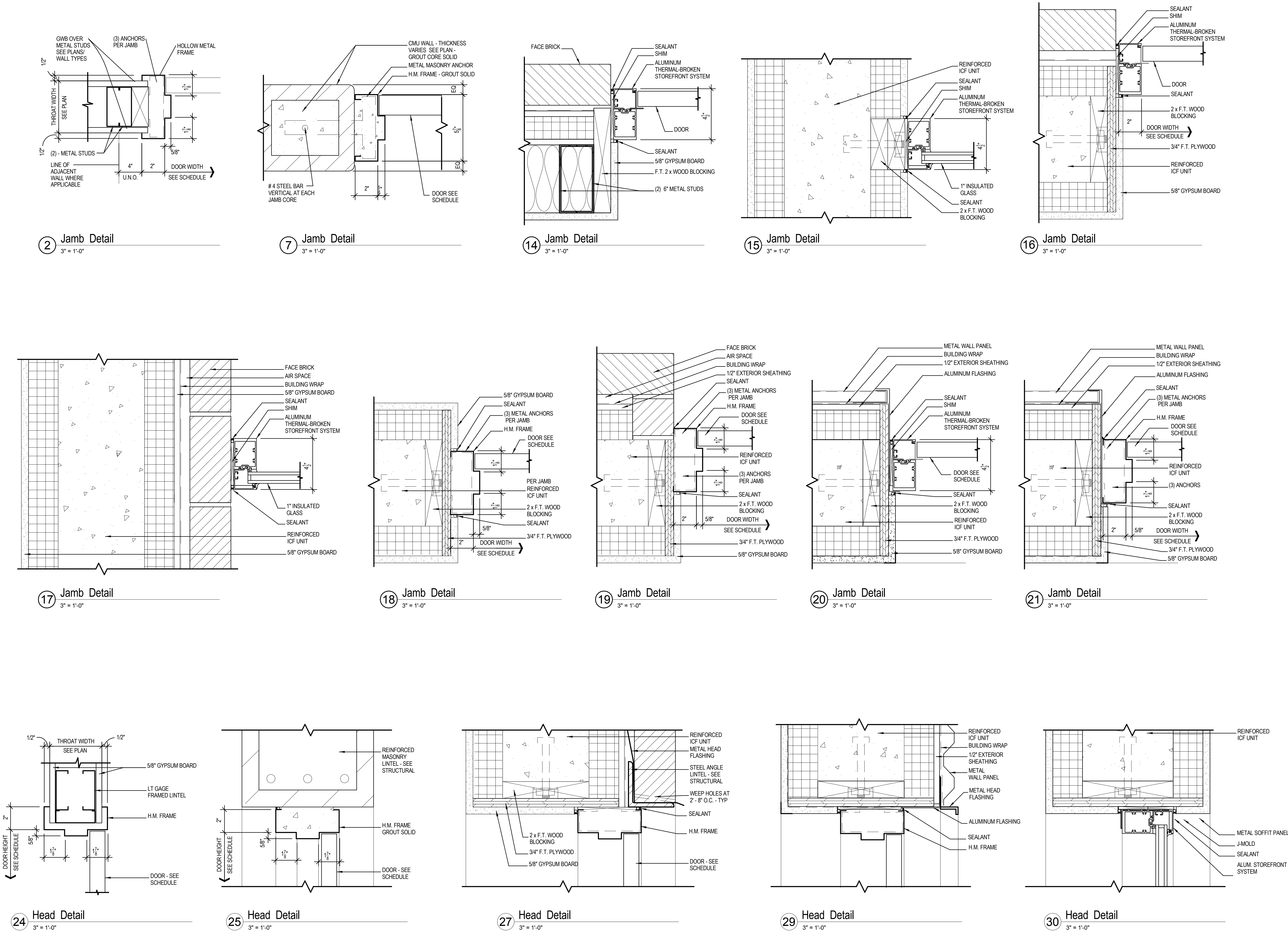
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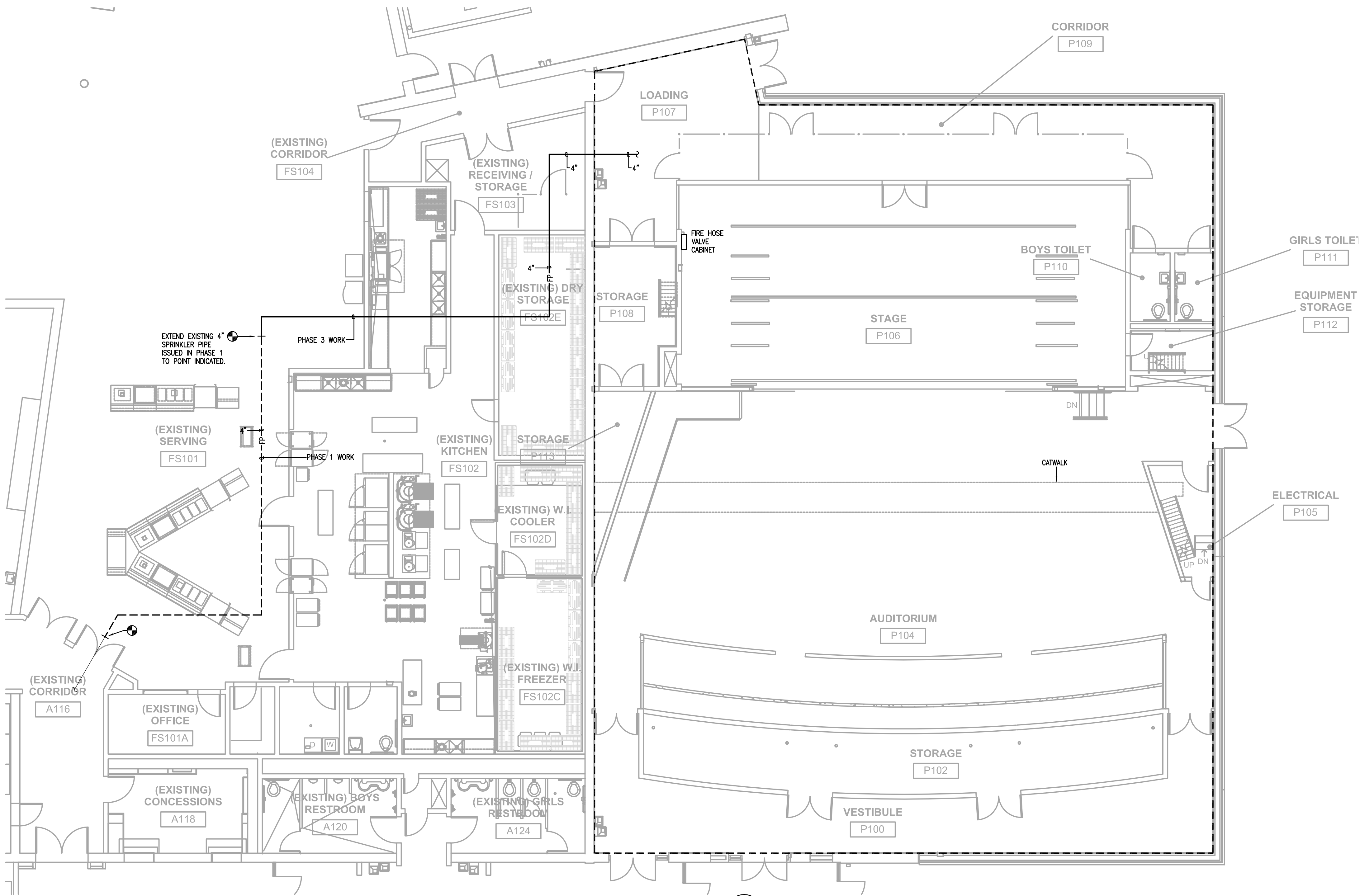
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REVISIONS :

2011-02  
PHASE - 3

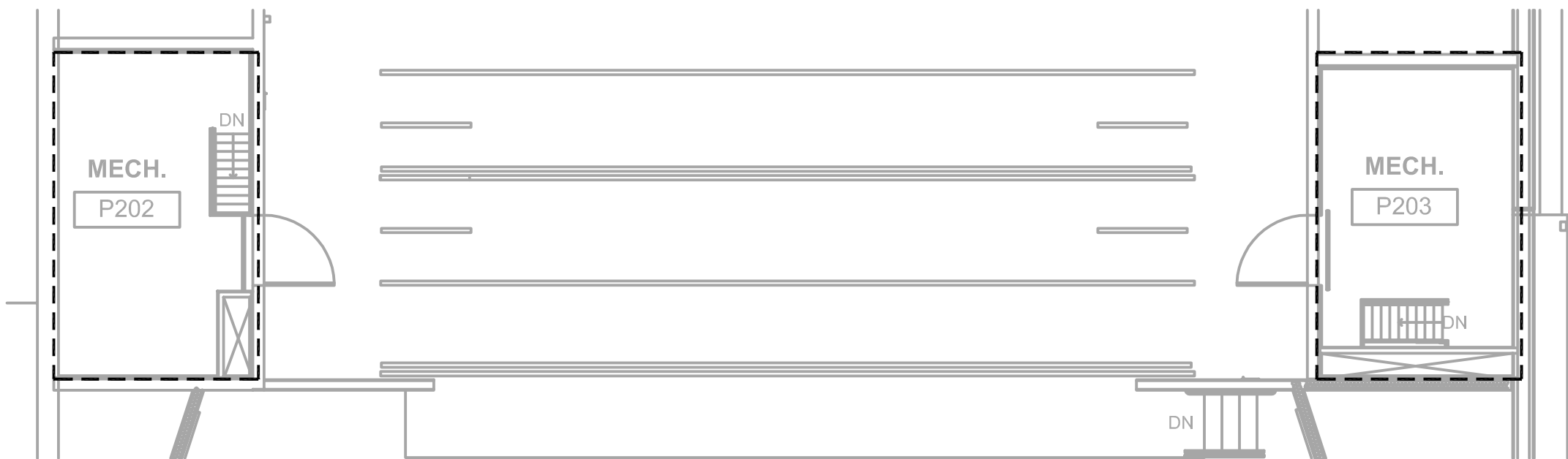
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CONSTRUCTION DOCUMENTS





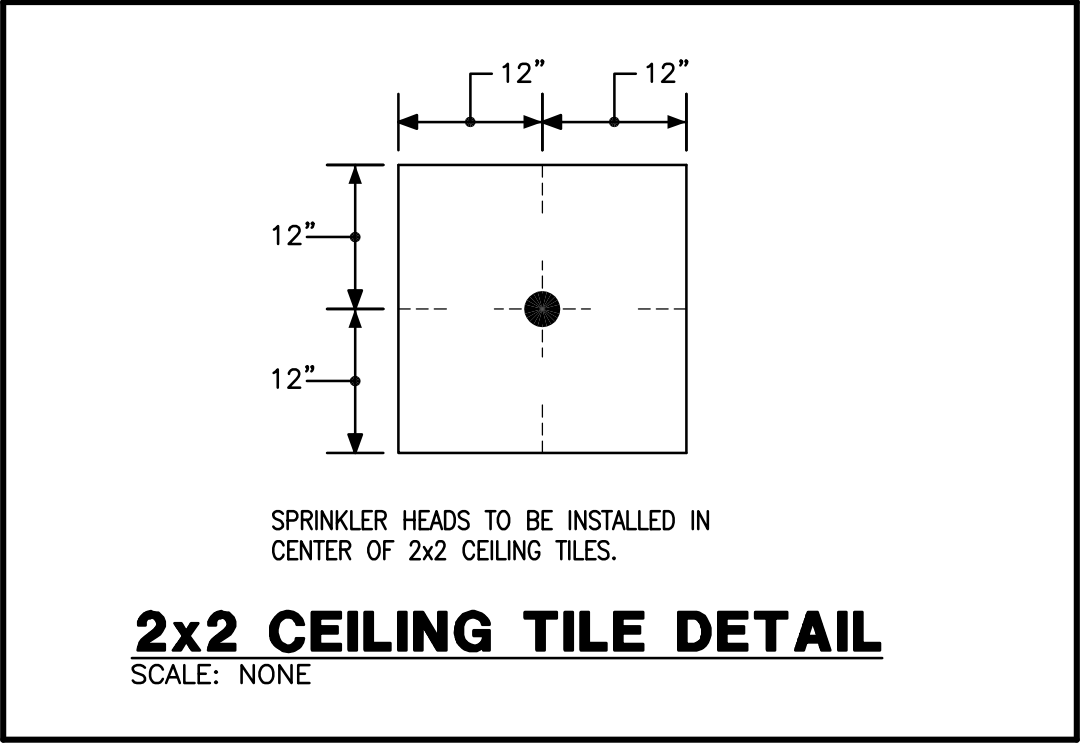
**A**  
FIRE PROTECTION  
Scale: 1/8" = 1'-0"

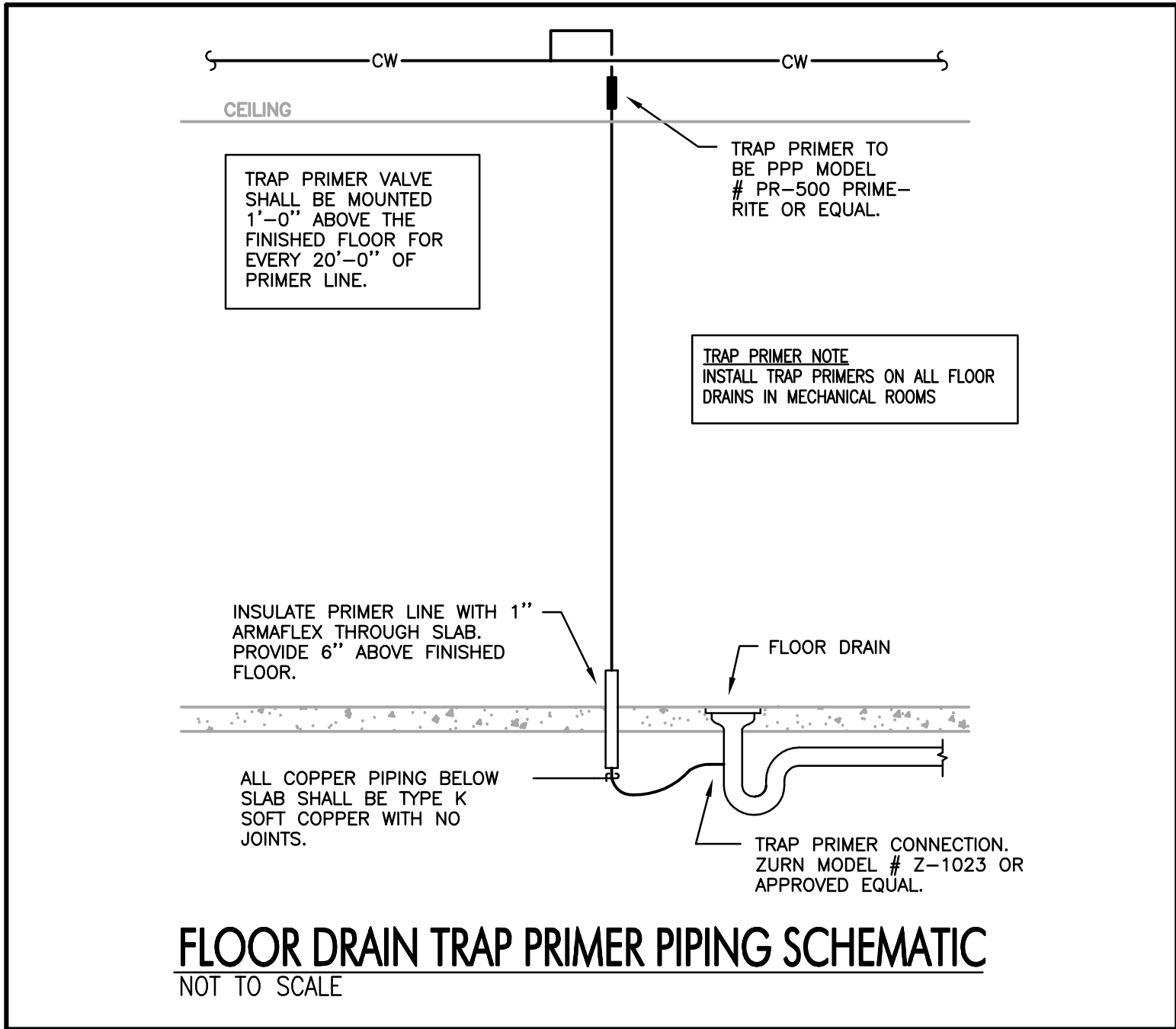


**B**  
FIRE PROTECTION - MECHANICAL MEZZANINE  
Scale: 1/8" = 1'-0"

- 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	⌌
NEW O.S.&Y VALVE	⌌
TAMPER SWITCH	TS
FLOW SWITCH	FS
PIPING RISE UP	○
PIPING DOWN	○

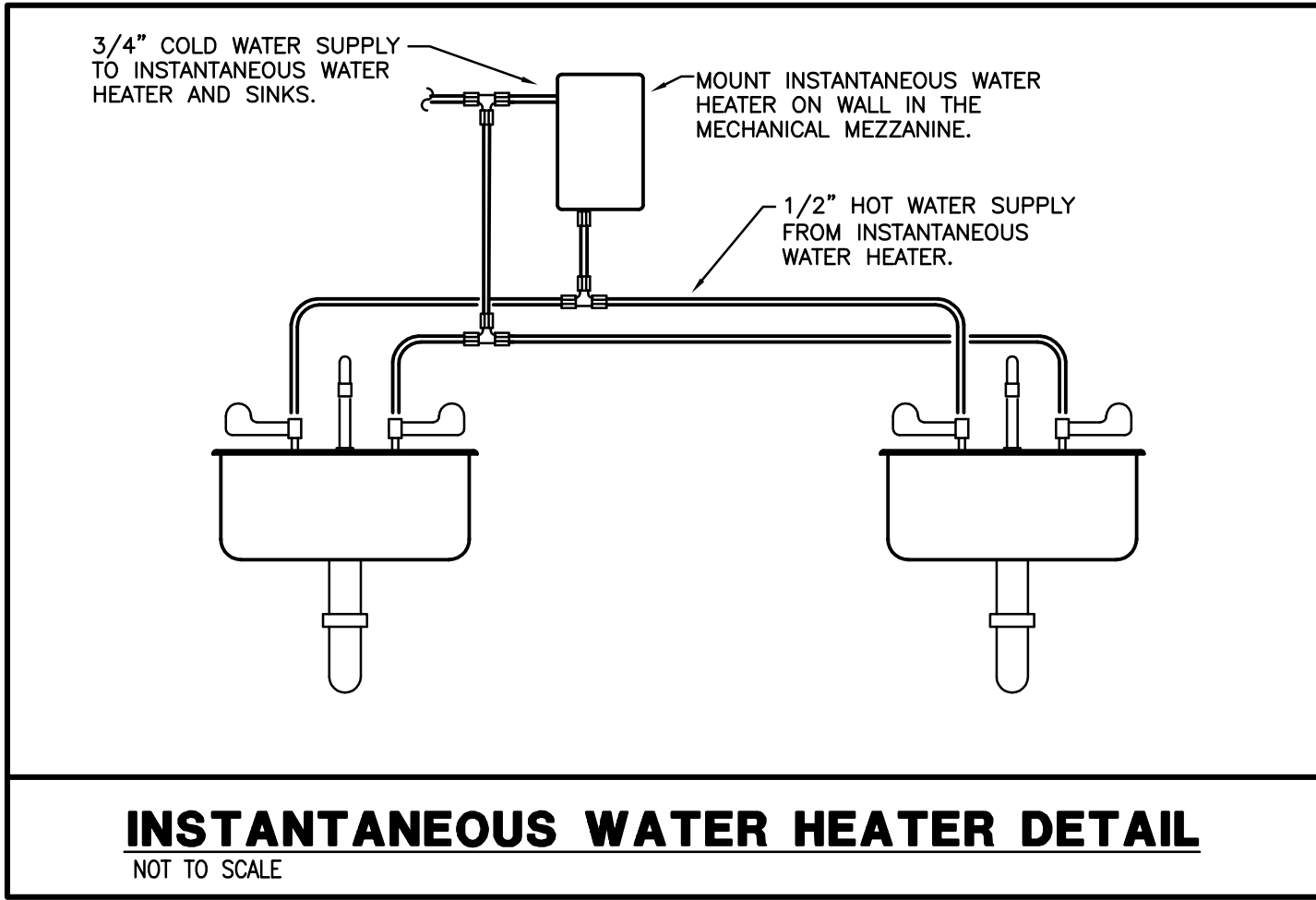





PLUMBING/MEDICAL GAS LEGEND	
TYP	TYPICAL
NTS	NOT TO SCALE
FD	FLOOR DRAIN
HB	HOSE BIBB
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	POINT OF DEMOLITION
	POINT OF DEMOLITION AND CAP.
	EXISTING PIPING (THIN SOLID LINE)
	SANITARY PIPING
	STORM PIPING
	SANITARY VENT PIPING
	DOMESTIC COLD WATER PIPING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


PLUMBING FIXTURE SCHEDULE					
DESIGNATOR	FIXTURE	CW	HW	SAN	VENT
P-1A	WATER CLOSET, WALL-HUNG, ADA	1½"	--	4"	2"
P-2	LAVATORY, WALL HUNG, ADA	½"	½"	1½"	1½"
P-5	2 STATION ELECTRIC WATER COOLER	½"	--	1½"	1½"
P-12	DRINKING FOUNTAIN	½"	--	1½"	1½"
FD-1	FLOOR DRAIN 3" OUTLET	--	--	3"	1½"
FD-3	MECHANICAL ROOM FLOOR DRAIN W/ TRAP PRIMER	--	--	4"	2"
<b>NOTES:</b>					
● 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	TEMPERATURE 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							

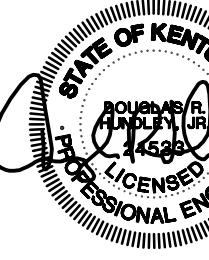




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Thomas Nelson H.S.  
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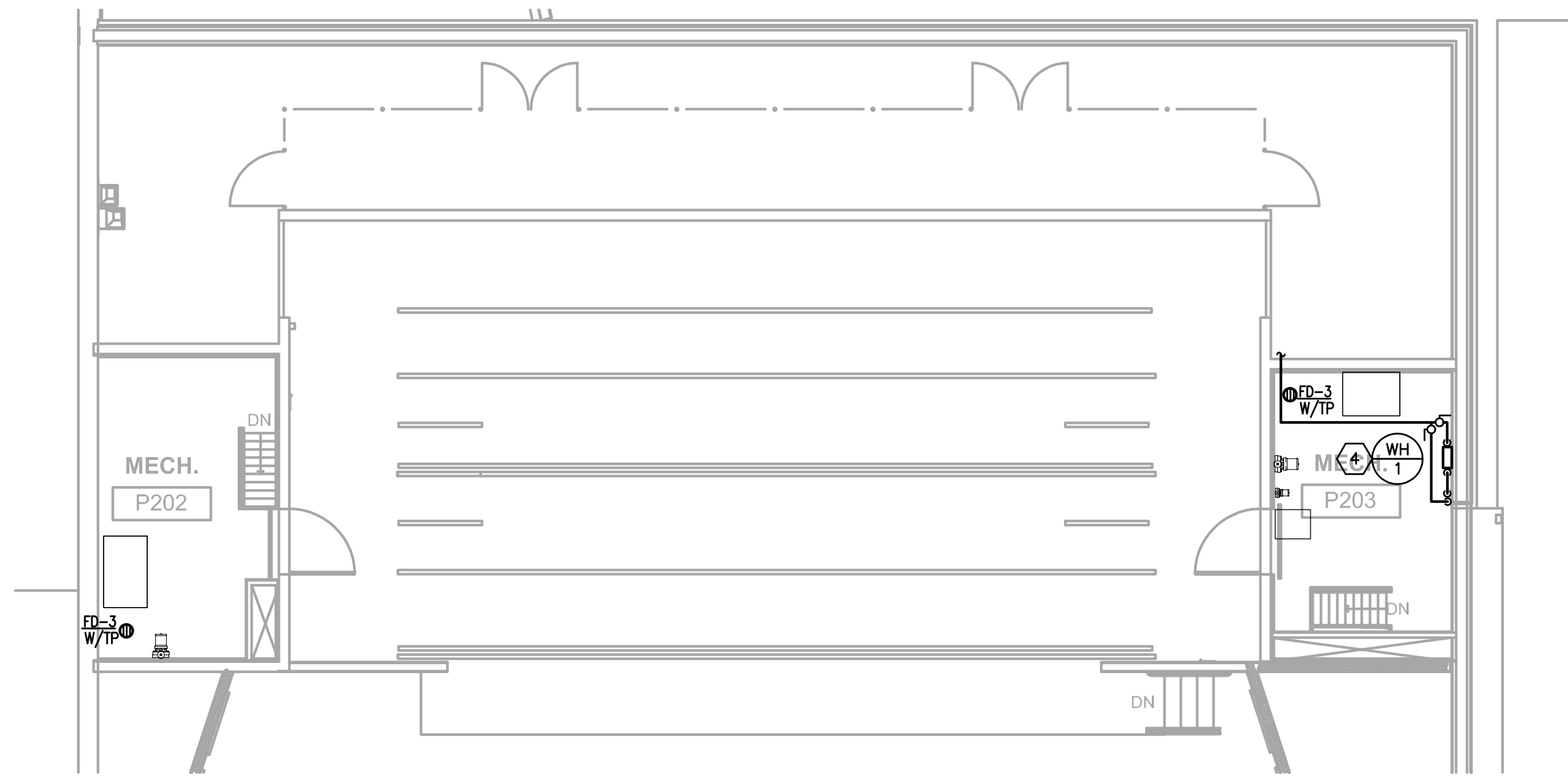
NELSON COUNTY SCHOOL DISTRICT  
288 WILDCAT LANE  
BARDSTOWN, KENTUCKY 40004

PLUMBING SCHEDULES & DETAILS  
NELSON COUNTY SCHOOLS - WEST CAMPUS  
THOMAS NELSON H.S.  
PHASE III  
2885 NEW SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

BG 15-229

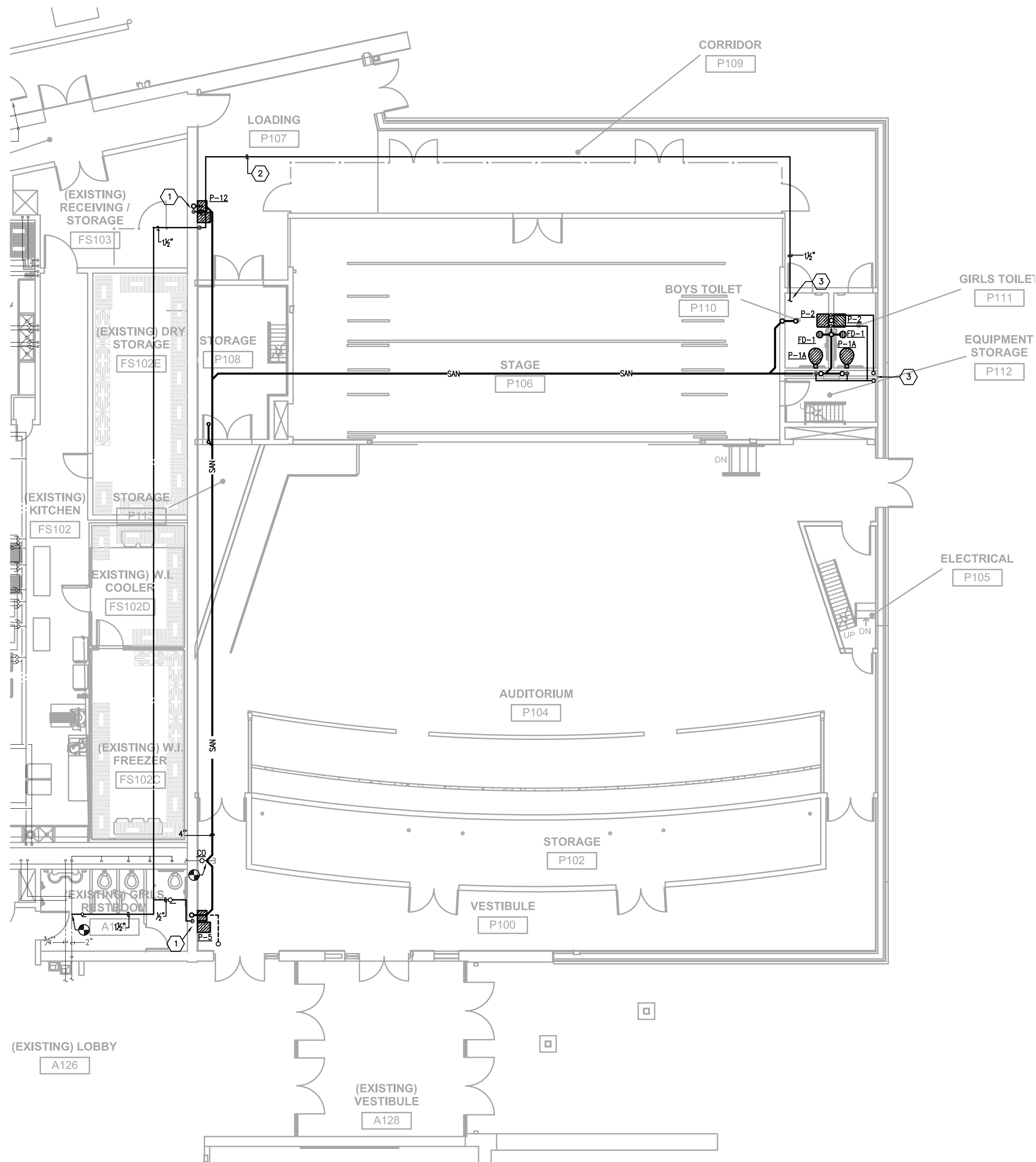
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REVISIONS :

2011-02  
PHASE - 3  
P1.0  
HS





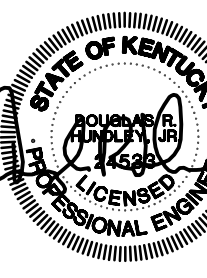
**B**  
P1.1  
**MECHANICAL MEZZANINE PLAN - PLUMBING**  
Scale: 1/8" = 1'-0"






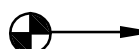
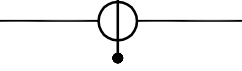
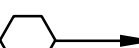
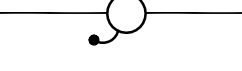




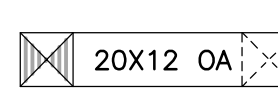

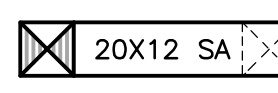

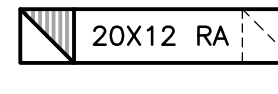

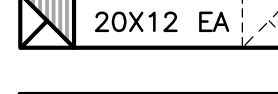
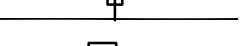
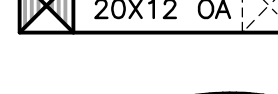

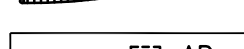
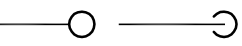
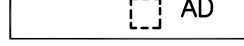
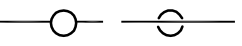
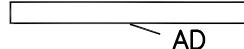
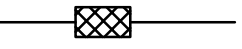
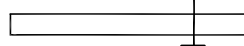
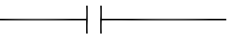
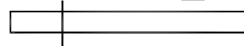
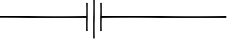
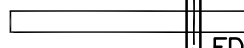
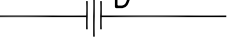
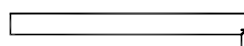
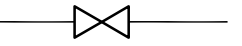


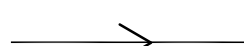
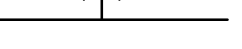

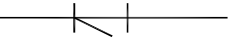

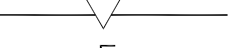

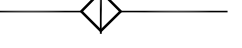

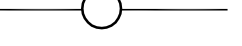

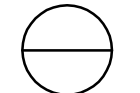
- PLUMBING TAG NOTES:
1. ROUTE PIPING IN ICF FOAM.
  2. ROUTE PIPING TIGHT TO STRUCTURE.
  3. REFER TO THE MECHANICAL MEZZANINE PLAN FOR CONTINUATION OF DOMESTIC WATER.
  4. REFER TO THE WATER HEATER DETAIL ON SHEET P1.0 FOR FURTHER DETAIL.



**A**  
P1.1  
**FIRST FLOOR PLUMBING**  
Scale: 1/8" = 1'-0"

# CONSTRUCTION DOCUMENTS

 studio kremer architects 3258 Ruckriegel Parkway, Louisville, KY 40299 TEL 502.499.1100 FAX 499.1101	
 David A. Kremer Professional Engineer State of Kentucky License No. 40099 Exp. 12/31/2015	
 David A. Kremer Professional Engineer State of Kentucky License No. 40099 Exp. 12/31/2015	
NELSON COUNTY SCHOOL DISTRICT 288 WILDCAT LANE BARDSTOWN, KENTUCKY 40004	
FIRST FLOOR PLUMBING NELSON COUNTY SCHOOLS - WEST CAMPUS THOMAS NELSON H.S. PHASE III 2885 NEW SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004	BG 15-229 DATE: 12/07/2015 DRAWN BY: CG CHECKED BY: DH REVISIONS:
2011-02 PHASE - 3 <b>P1.1</b> HS	

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)
	TAGGED NOTE		SAFETY OR RELIEF VALVE
— E(NAME) —	EXISTING PIPING (THIN SOLID LINE)		PRESSURE REDUCING VALVE (WATER)
— CD —	CONDENSATE DRAIN LINE		REDUCED PRESSURE BACKFLOW PREVENTER
— GS —	GEOTHERMAL WATER SUPPY		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"HORZ.X12"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)
	PIPING TRANSITION		GATE VALVE (NORMALLY CLOSED)
	DIRECTION OF FLOW (PIPING)		PETE'S PLUG OR EQUIVALENT
	TEMPERATURE SENSOR		STRAINER
	THERMOSTAT		GAS COCK
	DUCT SMOKE DETECTOR		BALANCING VALVE
	CO2 SENSOR		BALL VALVE
			INDICATES AIR DISTRIBUTION DEVICE SPECIFICATION (L=LOUVER, T=TRANSFER GRILLE, S=SUPPLY DIFFSER OR REGISTER, R=RETURN GRILLE OR REGISTER, E= EXHAUST GRILLE OR REGISTER)
			MECHANICAL EQUIPMENT DESIGNATOR

GENERAL NOTES (APPLICABLE TO ALL DRAWINGS):

- EACH CONTRACTOR, SUPPLIER AND, OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO 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.
- 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.
- INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC., IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING AND/OR THE COLLECTION OF CONDENSATION THEREON.
- OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
- 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.
- 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.
- DO NOT SCALE FROM DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
- 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.
- TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCT WORK ELBOWS. TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUSTS.
- 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.
- 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.
- ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
- 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.
- 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).
- 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.
- 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.
- 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.
- 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
- 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.
- 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.
- 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.
- 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.
- INCLUDE IN BID ALL COST ASSOCIATED WITH DRAINING AND FILLING ALL PIPING SYSTEMS AS REQUIRED TO INSTALL WORK.

CONSTRUCTION DOCUMENTS

MECHANICAL LEGEND

NELSON COUNTY SCHOOLS - WEST CAMPUS

THOMAS NELSON H.S.

PHASE III

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

BG 15-229

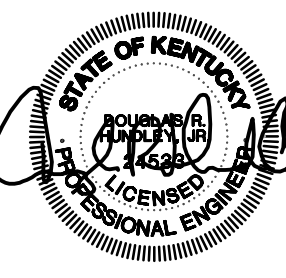
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CHECKED BY : DH  
REVISIONS :

2011-02

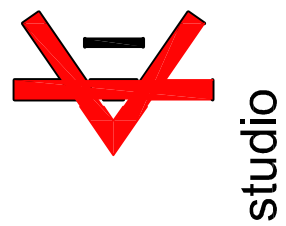
PHASE - 3

M1.1  
HS

studio kremer architects

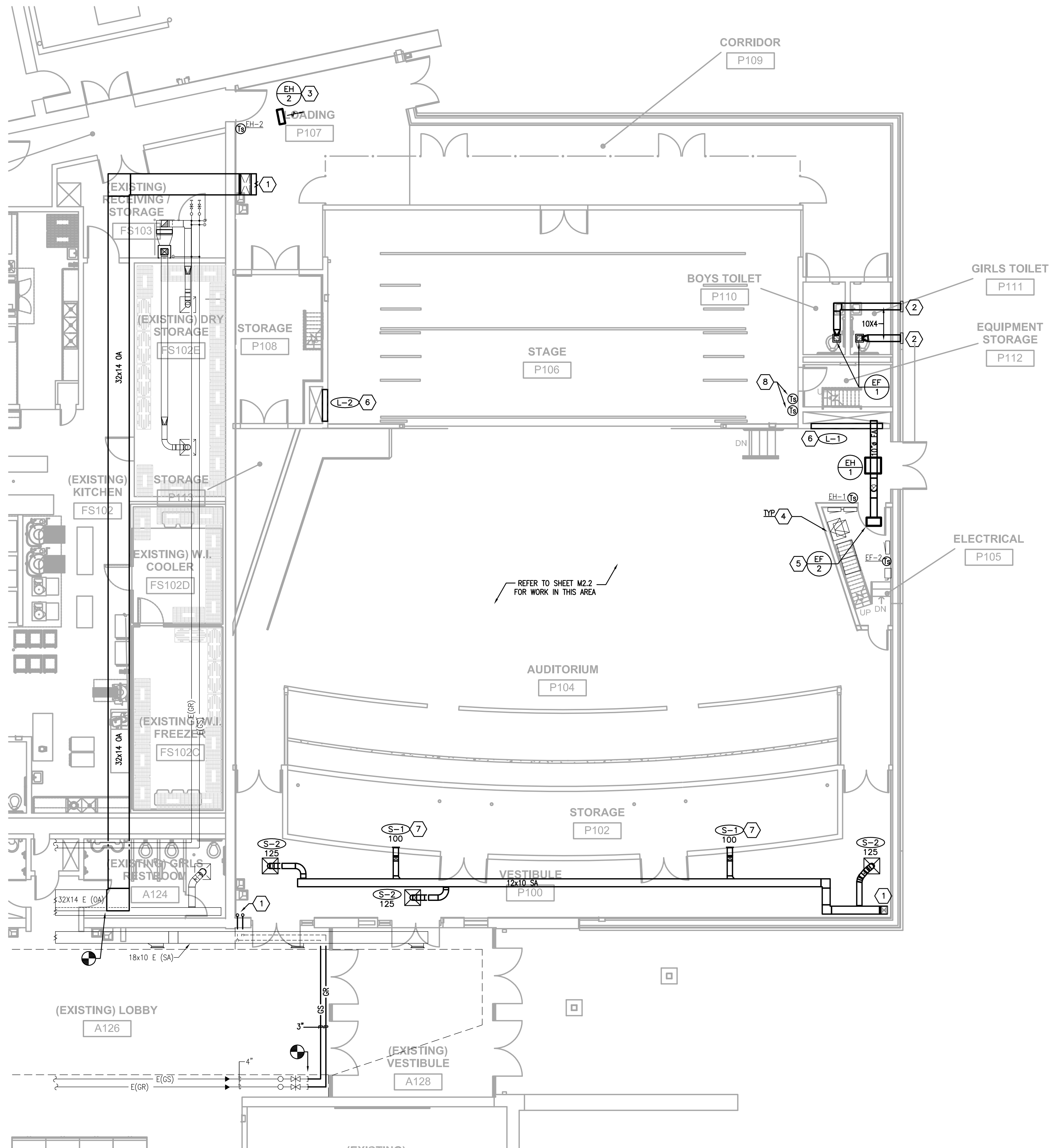


NELSON COUNTY SCHOOL DISTRICT  
288 WILDCAT LANE  
BARDSTOWN, KENTUCKY 40004



3258 Ruckriegel Parkway, Louisville, KY 40299


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- MECHANICAL TAG NOTES:
1. REFER TO DRAWING M2.2 FOR CONTINUATION OF DUCTWORK/PIPING.
  2. PROVIDE A RUSKIN BRICK VENT MODEL BV-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"Ø
S-2	8"Ø	S-4	12"Ø

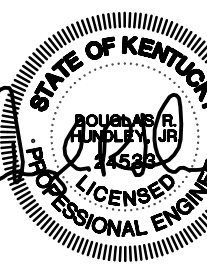
CONSTRUCTION DOCUMENTS



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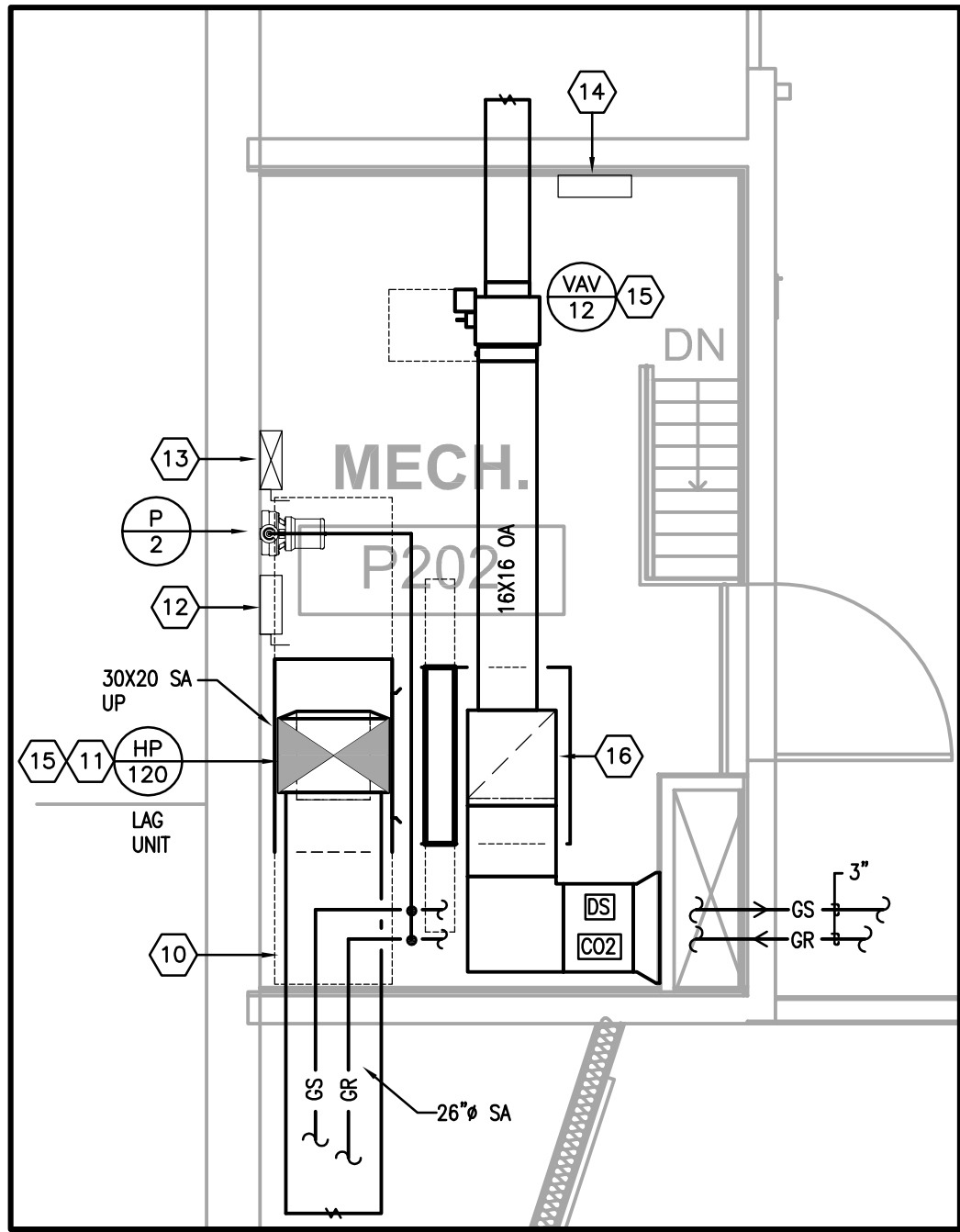
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FIRST FLOOR MECHANICAL  
NELSON COUNTY SCHOOLS - WEST CAMPUS  
THOMAS NELSON H.S.  
PHASE II  
2885 NEW SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

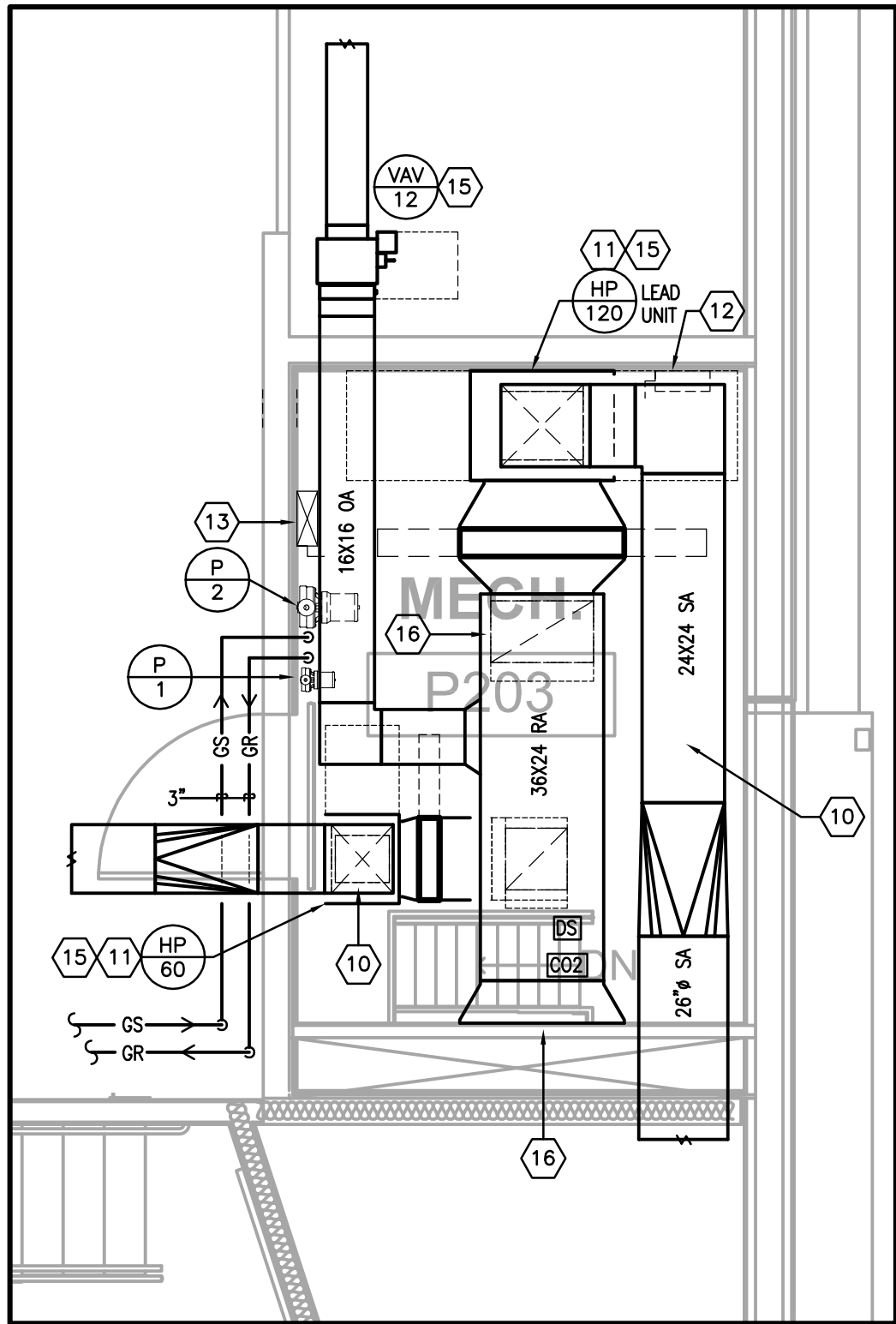
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DATE : 12/07/2015  
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REVISIONS :

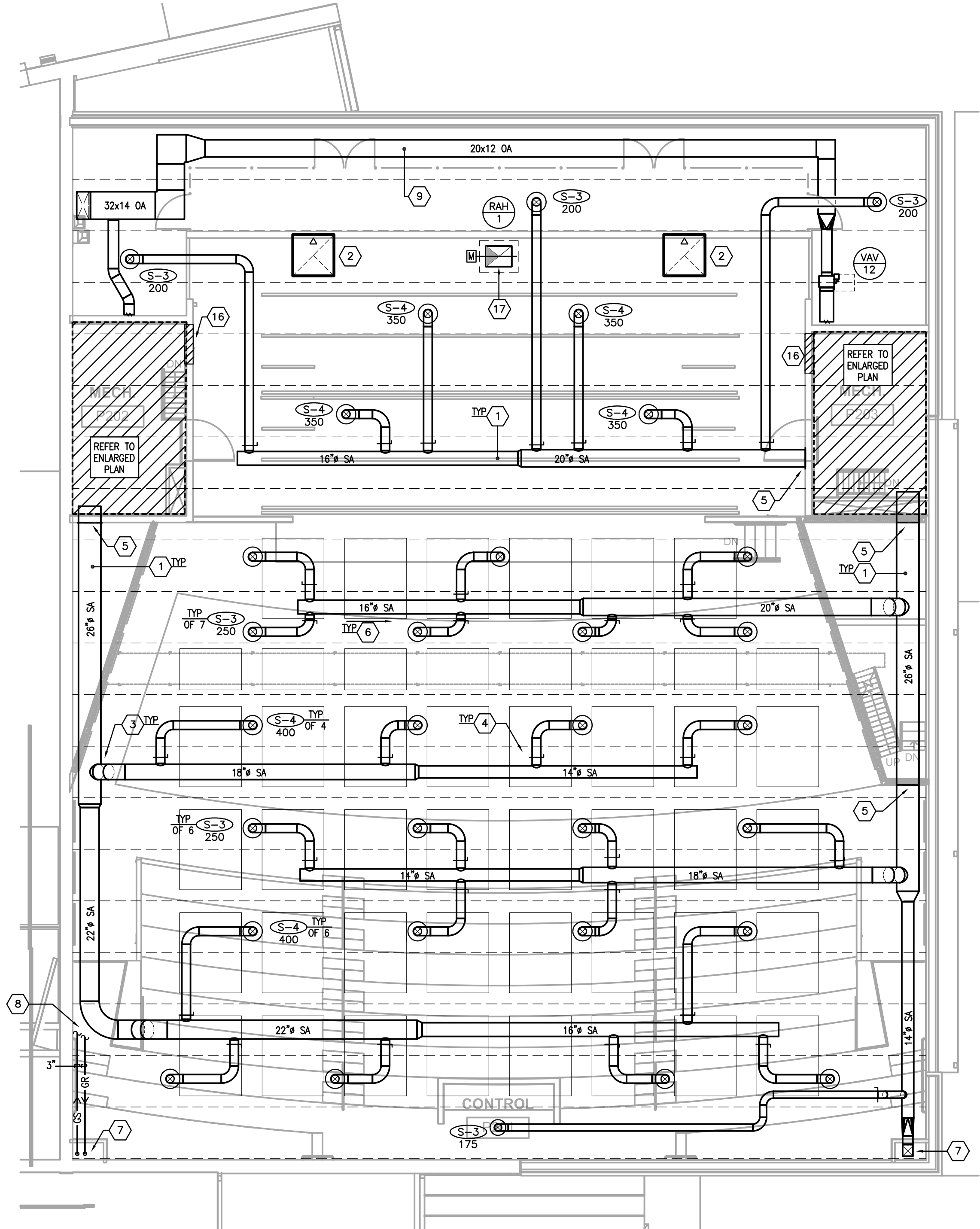
2011-02  
PHASE - 3  
M2.1  
HS



**B MECHANICAL MEZZANINE P202**  
Scale: 1/4" = 1'-0"



**C MECHANICAL MEZZANINE P203**  
Scale: 1/4" = 1'-0"




**A SECOND FLOOR MECHANICAL**  
Scale: 1/8" = 1'-0"

- GENERAL NOTE:
- A. COORDINATE DIFFUSER LOCATIONS AND ELEVATIONS WITH ACUSTICAL PANELS AND LIGHTS. REFER TO FLOOR PLANS FOR LOCATIONS.
- MECHANICAL TAG NOTES:
1. EXPOSED DUCTWORK TO BE DOUBLE WALL AND PAINTED; ARCHITECT TO SELECT COLOR. DUCTWORK TO BE SUSPENDED FROM STRUCTURE WITH AIRCRAFT CABLE.
  2. NEW SMOKE VENT ON ROOF. PROVIDE ACUSTICALLY RATED BILCO DOUBLE LEAF FIRE VENTS - MODEL ACUSHRO06 (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.
  3. ROUTE DUCTWORK UP BETWEEN JOISTS, TYPICAL OF BRANCH DUCTWORK. MOUNT DUCT TAKE-OFF AT 45° OFF OF THE DUCT MAIN.
  4. HIGH EFFICIENCY DUCT TAKEOFF; REFER TO DETAIL ON SHEET M4.1 FOR ADDITIONAL INFORMATION, TYPICAL.
  5. PATCH HOLE AROUND DUCT OPENING AIR TIGHT AND COVER WITH AN ESCUTCHEON PLATE. ALL PENETRATIONS SHALL BE ACUSTICALLY SEALED. REFER TO THE DUCT WALL PENETRATION DETAIL ON SHEET M4.1 FOR ADDITIONAL INFORMATION.
  6. SLOPE DUCTWORK WITH STRUCTURE, TYPICAL.
  7. REFER TO DRAWING M2.1 FOR CONTINUATION OF DUCTWORK/PIPING.
  8. ROUTE 3" GS/OR ABOVE DUCTWORK TO MECHANICAL MEZZANINE. REFER TO ENLARGED PLANS ON THIS SHEET FOR CONTINUATION.
  9. 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.
  10. PROVIDE ACUSTICAL WRAP ON SUPPLY AIR DUCTWORK BEFORE EXISTING MECHANICAL MEZZANINE.
  11. PROVIDE A VIBRATION ISOLATION PAD (RUBBER OR CORK) AT UNIT BASE.
  12. FUSIBLE DISCONNECT FOR HEAT PUMP. REFER TO ELECTRICAL DRAWINGS FOR MORE DETAIL.
  13. PUMP STARTER/DISCONNECT. REFER TO ELECTRICAL DRAWINGS FOR MORE DETAIL.
  14. ELECTRICAL PANEL. NO PIPING OR DUCTWORK TO BE ROUTED OVER EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR MORE DETAIL.
  15. MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCE FOR EQUIPMENT.
  16. INTERNALLY LINE ALL RETURN AIR DUCTWORK AND PLENUM WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION.
  17. ROUTE 30X24 UP TO RELIEF AIR HOOD ON ROOF. TRANSITION TO HOOD OPENING AS REQUIRED. PROVIDE 1/2"x1/2" MESH SCREEN ON DUCT OPENING.

REGISTERS, GRILLES AND DIFFUSER RUNOUT SCHEDULE			
GRILLE	DUCT SIZE	GRILLE	DUCT SIZE
S-1	8x4	S-3	10"
S-2	8"	S-4	12"


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

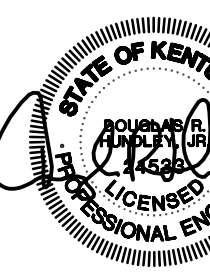


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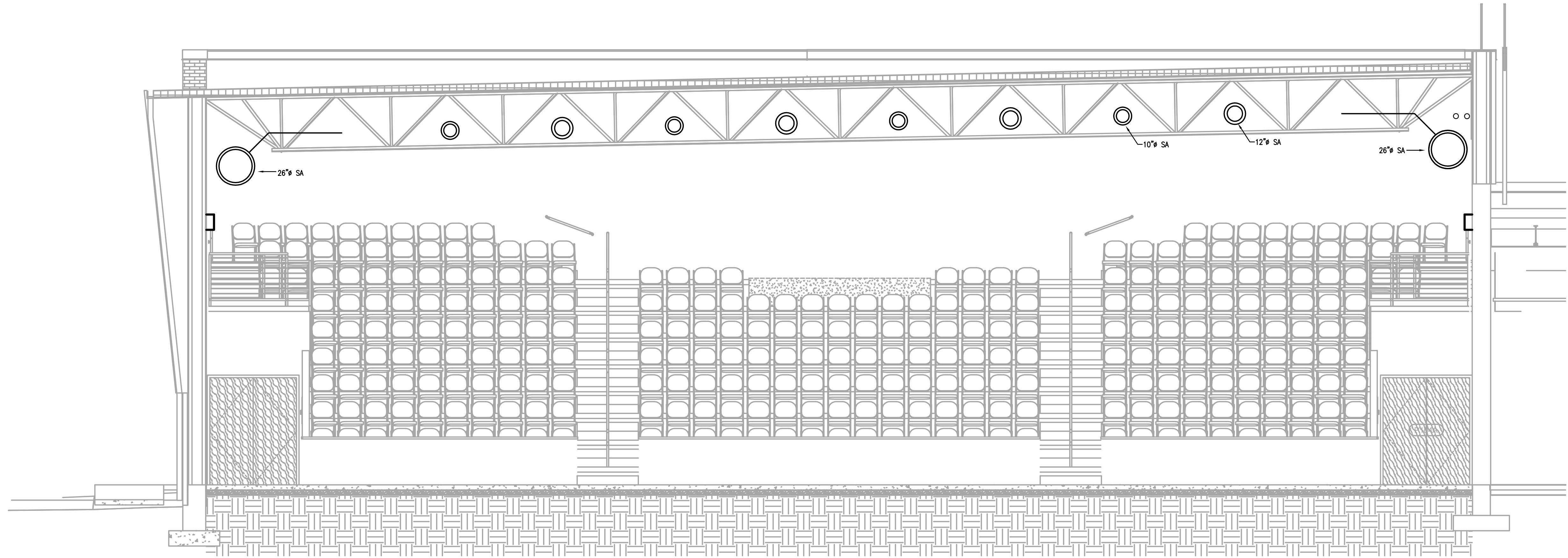
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288 WILDCAT LANE  
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SECOND FLOOR MECHANICAL  
NELSON COUNTY SCHOOLS - WEST CAMPUS  
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PHASE III  
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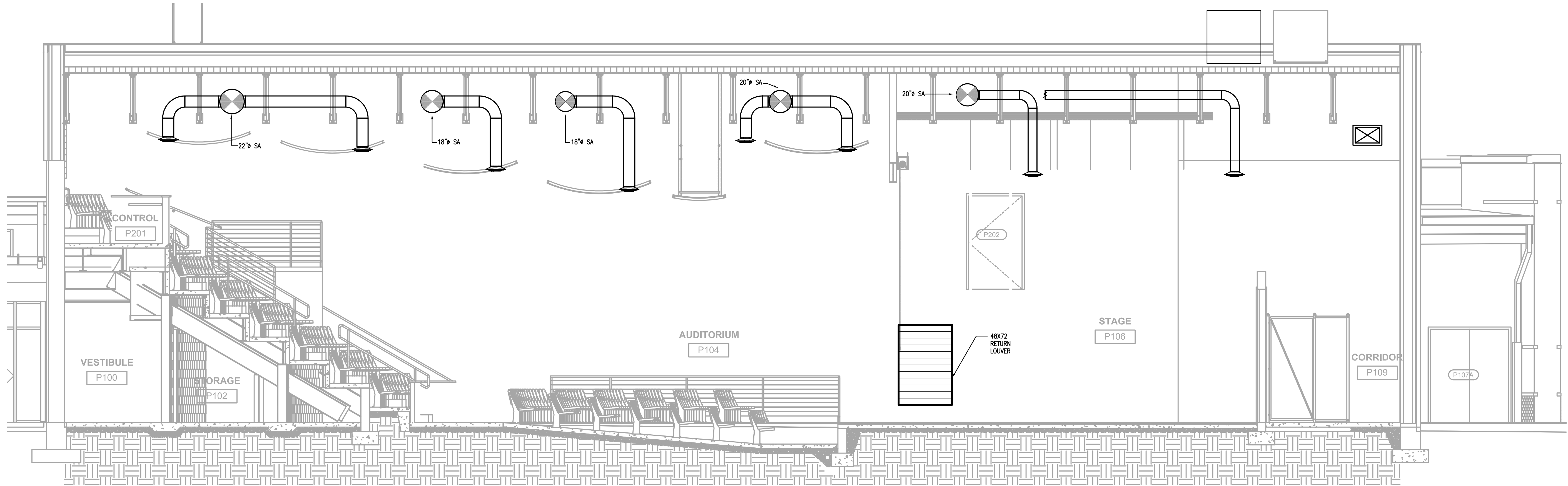
2011-02  
PHASE - 3  
M2.2  
HS



A  
M3.1

MECHANICAL SECTION

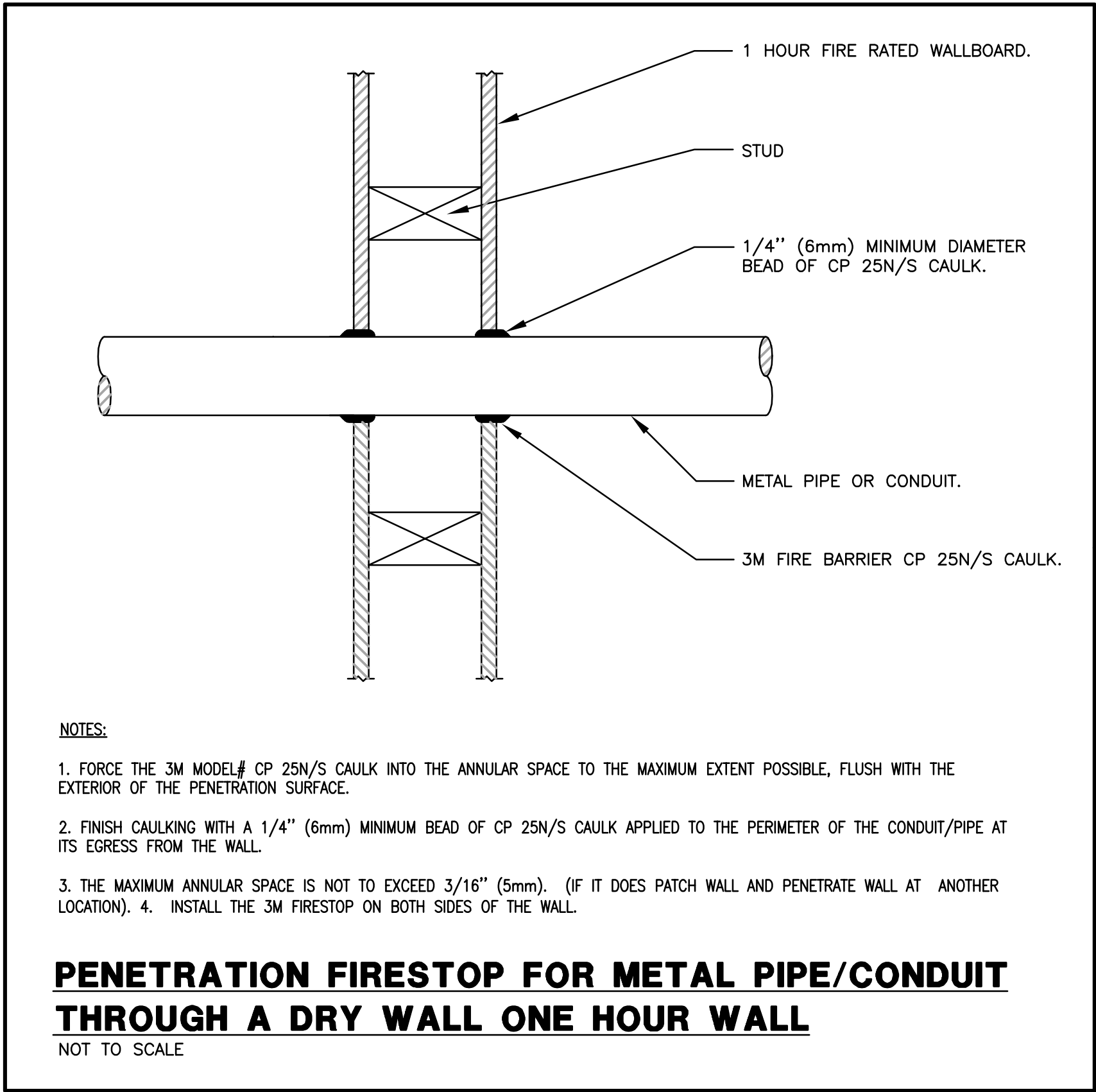
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B  
M3.1

MECHANICAL SECTION

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

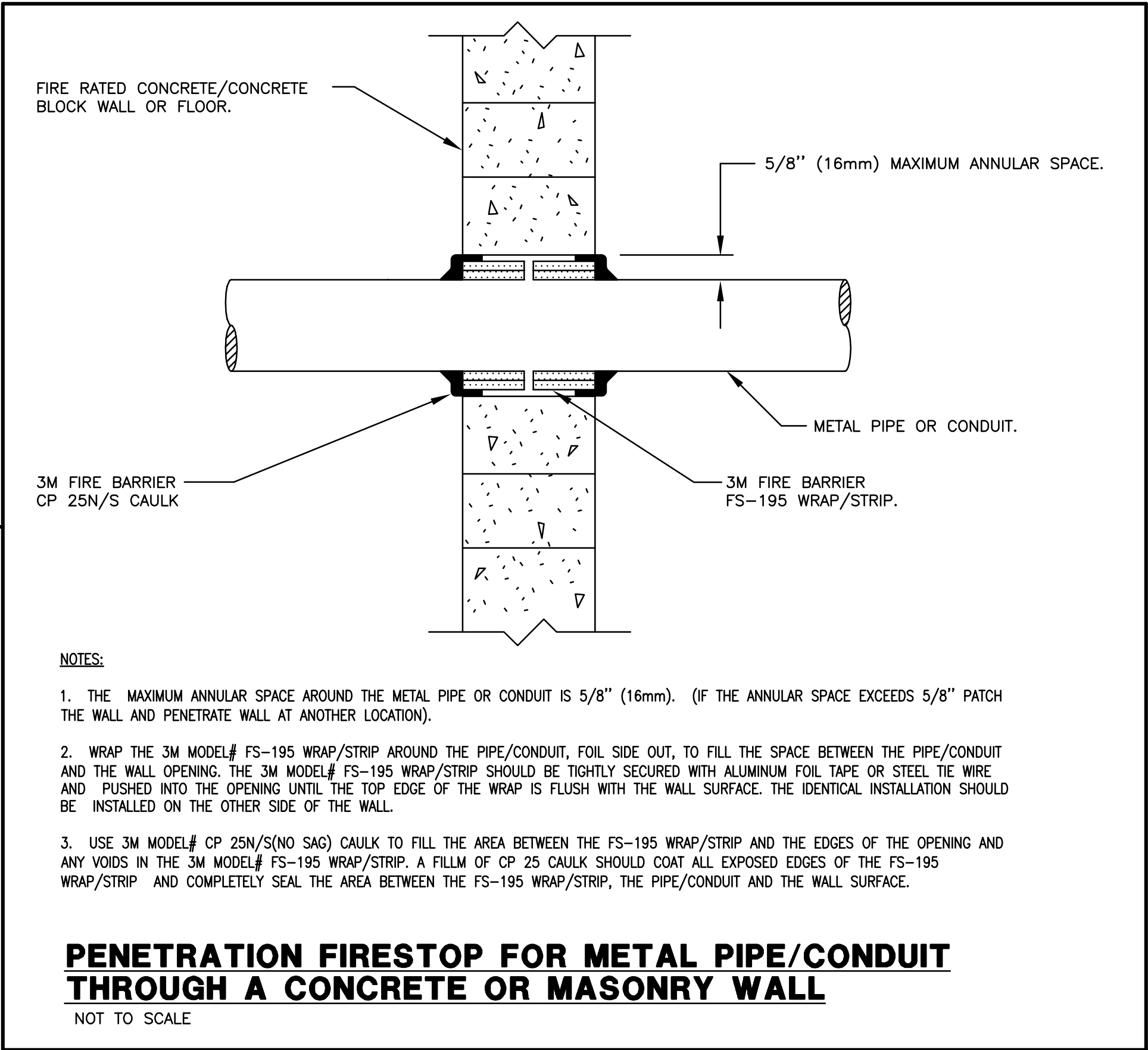


**FIRE STOPPING NOTES:**

1. FIRE STOPPING IS CRITICAL AND MUST BE ACCOMPLISHED. ALL PIPES MUST BE FIRESTOPPED WHERE THEY PENETRATE FIRE RESISTIVE, FIRE RATED, AND SMOKE RESISTIVE WALLS OR FLOORS. ALL FLOORS CORRIDOR WALLS, STAIR WALLS, MECHANICAL ROOM WALLS, STORAGE ROOM WALLS AND OTHER HAZARDOUS ROOM WALLS ARE ONE HOUR RATED. COORDINATE WITH ARCHITECT AND ARCHITECTURAL DRAWINGS.

2. ALL PENETRATIONS WILL BE REVIEWED BY THE ARCHITECT AND ENGINEER. PRIOR TO INSPECTION, ALL CEILING TILES BENEATH THE PENETRATIONS SHALL BE REMOVED BY THE CONTRACTOR.

3. ALL FIRE STOPPING SHALL BE INSTALLED AND PERFORMED PER THE MANUFACTURER'S RECOMMENDATIONS. REFER TO MECHANICAL SPECIFICATION SECTION 15030 FOR MORE DETAIL.



**NOTES:**

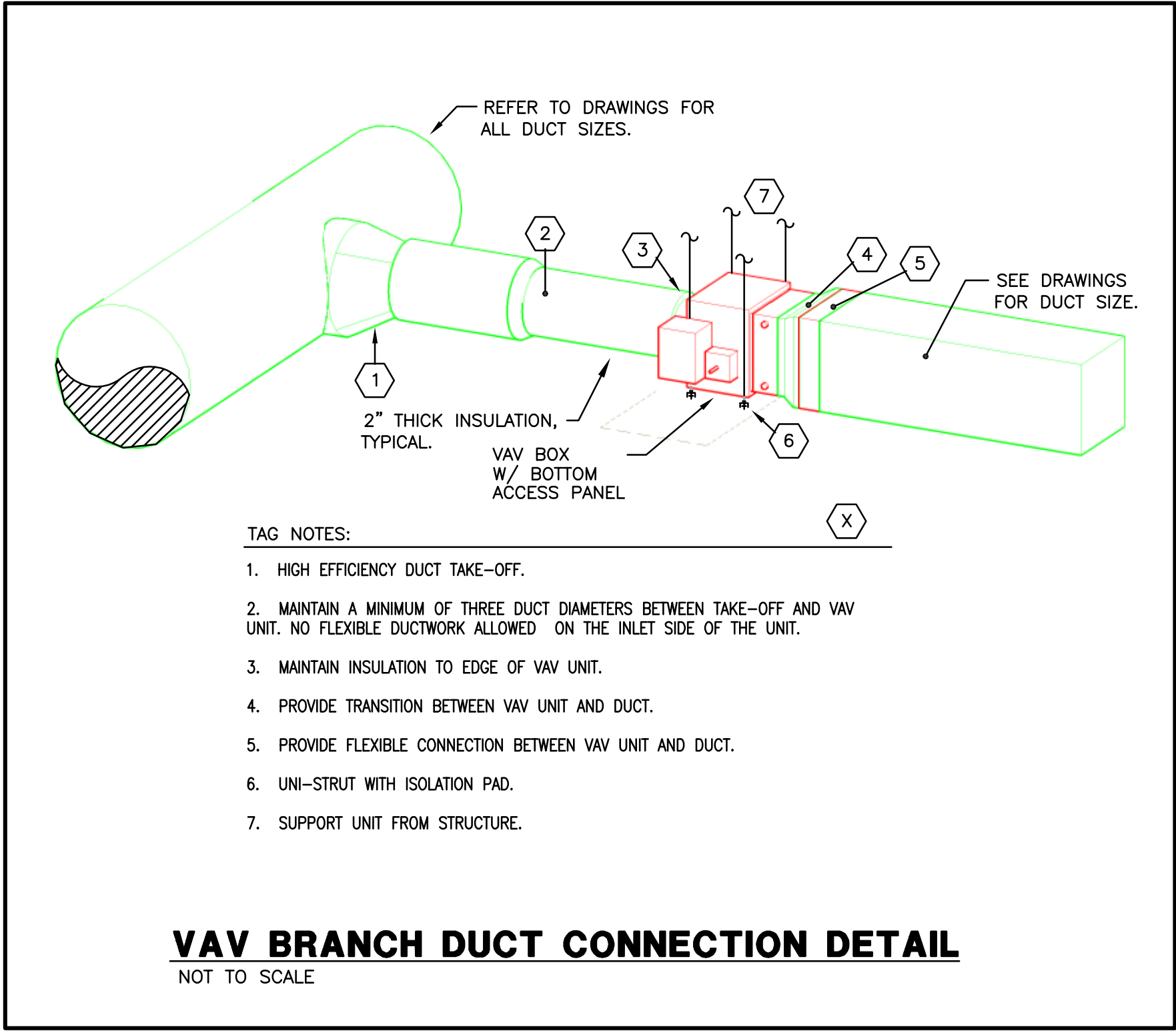
1. THE MAXIMUM ANNULAR SPACE AROUND THE METAL PIPE OR CONDUIT IS 5/8" (16mm). (IF THE ANNULAR SPACE EXCEEDS 5/8" PATCH THE WALL AND PENETRATE WALL AT ANOTHER LOCATION).

2. WRAP THE 3M MODEL# FS-195 WRAP/STRIP AROUND THE PIPE/CONDUIT, FOIL SIDE OUT, TO FILL THE SPACE BETWEEN THE PIPE/CONDUIT AND THE WALL OPENING. THE 3M MODEL# FS-195 WRAP/STRIP SHOULD BE TIGHTLY SECURED WITH ALUMINUM FOIL TAPE OR STEEL TIE WIRE AND PUSHED INTO THE OPENING UNTIL THE TOP EDGE OF THE WRAP IS FLUSH WITH THE WALL SURFACE. THE IDENTICAL INSTALLATION SHOULD BE INSTALLED ON THE OTHER SIDE OF THE WALL.

3. USE 3M MODEL# CP 25N/S(NO SAG) CAULK TO FILL THE AREA BETWEEN THE FS-195 WRAP/STRIP AND THE EDGES OF THE OPENING AND ANY VOIDS IN THE 3M MODEL# FS-195 WRAP/STRIP. A FILM OF CP 25 CAULK SHOULD COAT ALL EXPOSED EDGES OF THE FS-195 WRAP/STRIP AND COMPLETELY SEAL THE AREA BETWEEN THE FS-195 WRAP/STRIP, THE PIPE/CONDUIT AND THE WALL SURFACE.

**PENETRATION FIRESTOP FOR METAL PIPE/CONDUIT THROUGH A CONCRETE OR MASONRY WALL**

NOT TO SCALE



**TAG NOTES:**

1. HIGH EFFICIENCY DUCT TAKE-OFF.

2. MAINTAIN A MINIMUM OF THREE DUCT DIAMETERS BETWEEN TAKE-OFF AND VAV UNIT. NO FLEXIBLE DUCTWORK ALLOWED ON THE INLET SIDE OF THE UNIT.

3. MAINTAIN INSULATION TO EDGE OF VAV UNIT.

4. PROVIDE TRANSITION BETWEEN VAV UNIT AND DUCT.

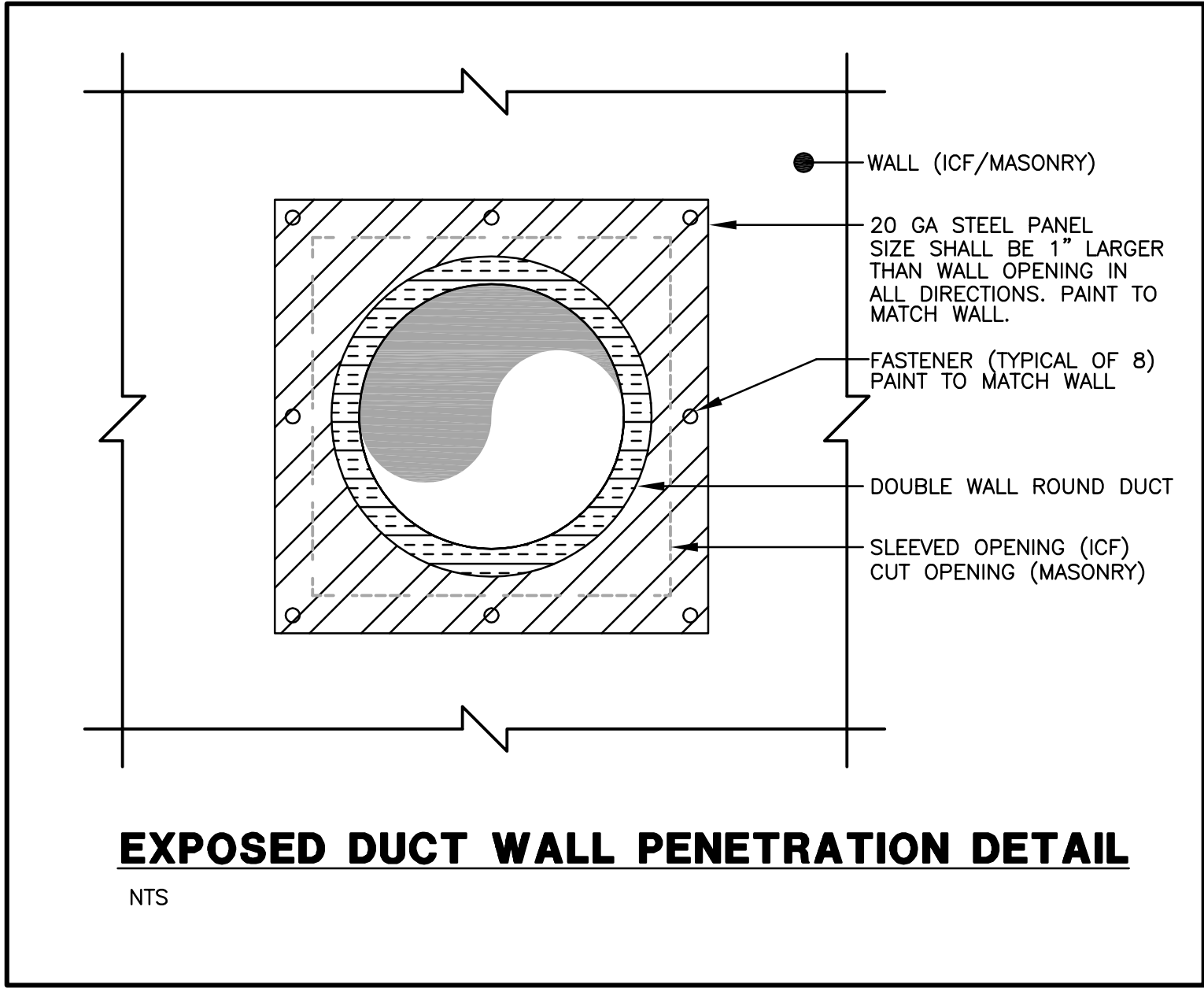
5. PROVIDE FLEXIBLE CONNECTION BETWEEN VAV UNIT AND DUCT.

6. UNI-STRUT WITH ISOLATION PAD.

7. SUPPORT UNIT FROM STRUCTURE.

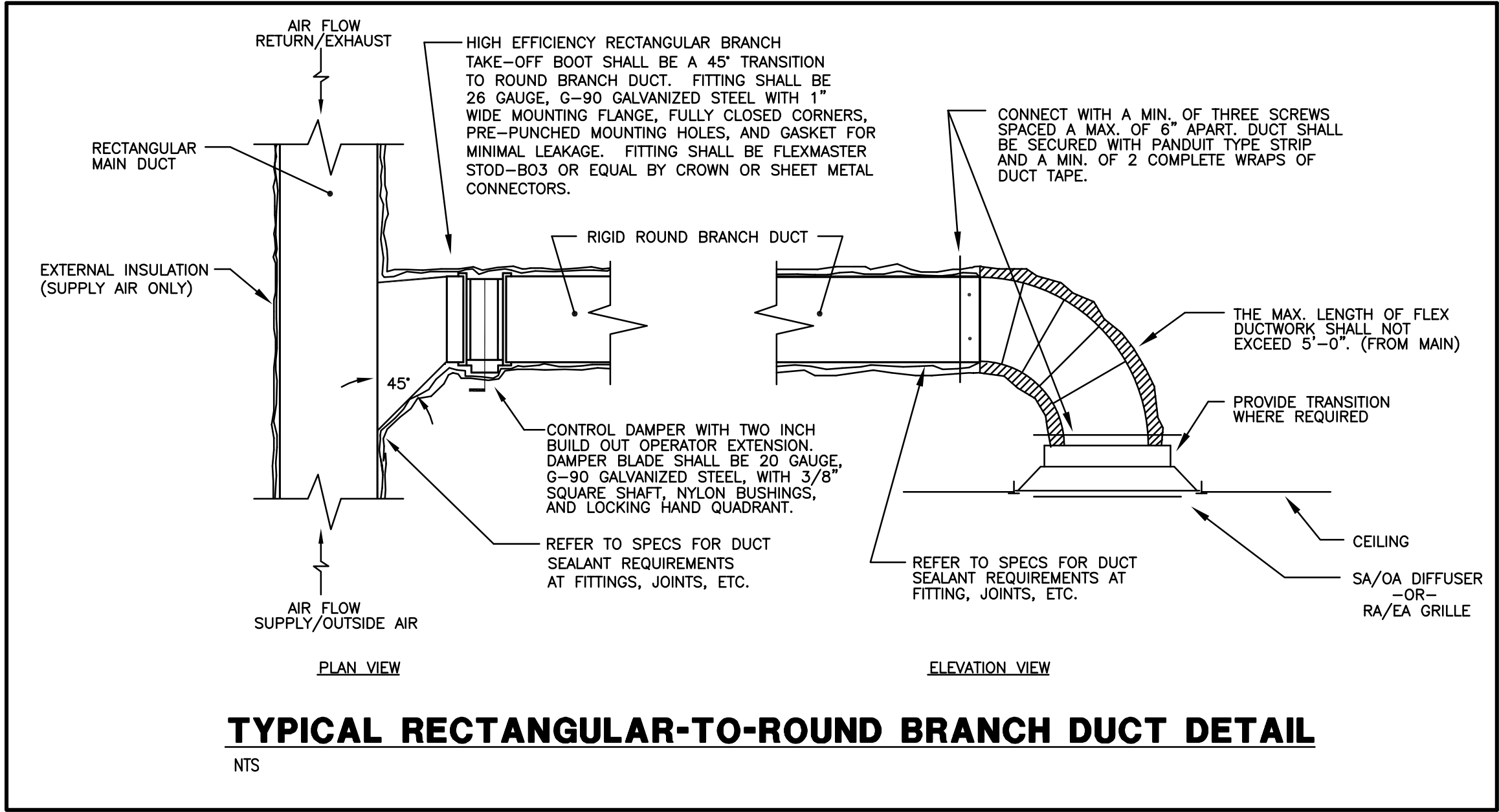
**VAV BRANCH DUCT CONNECTION DETAIL**

NOT TO SCALE



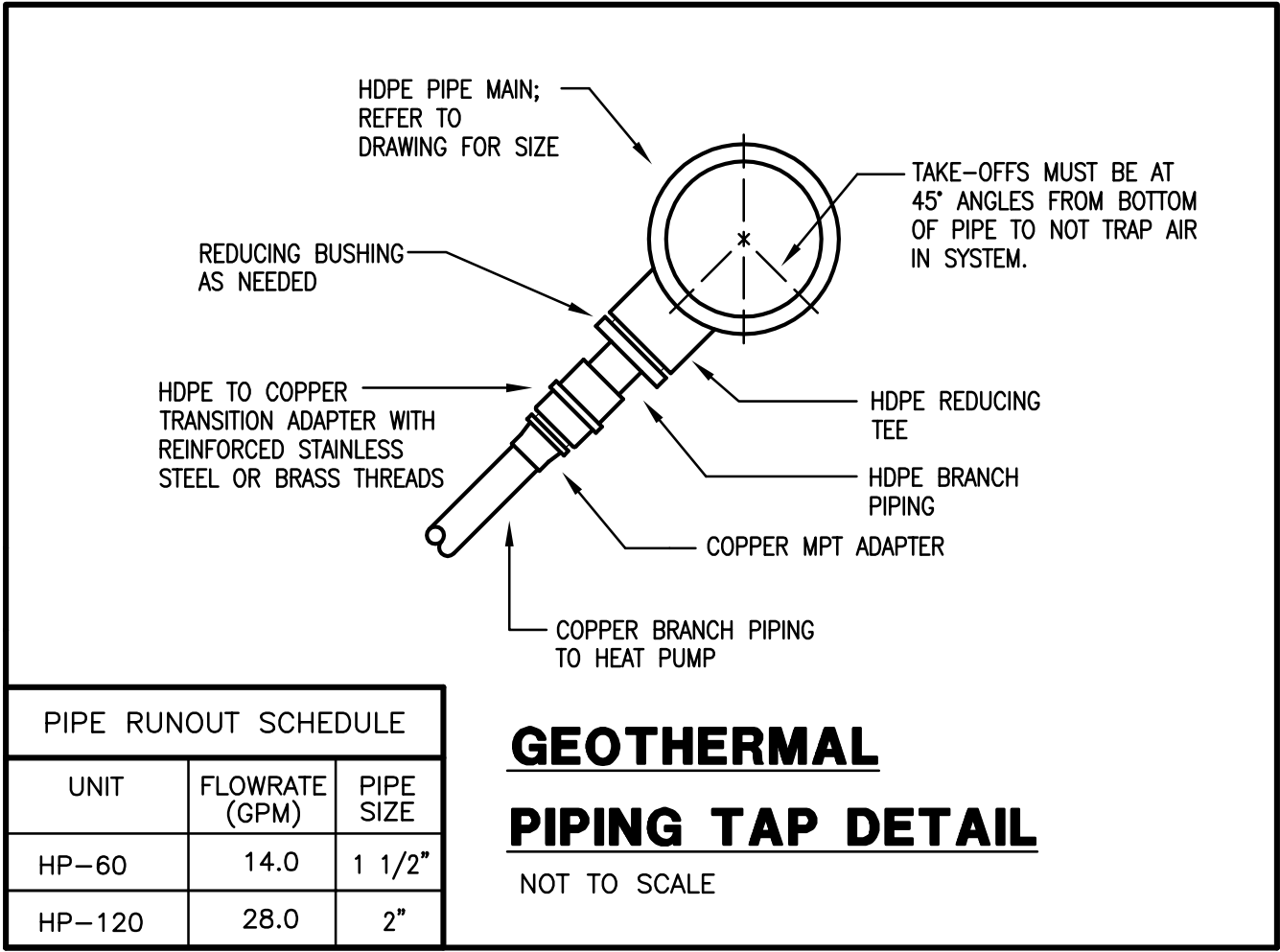
**EXPOSED DUCT WALL PENETRATION DETAIL**

NTS



**TYPICAL RECTANGULAR-TO-ROUND BRANCH DUCT DETAIL**

NTS

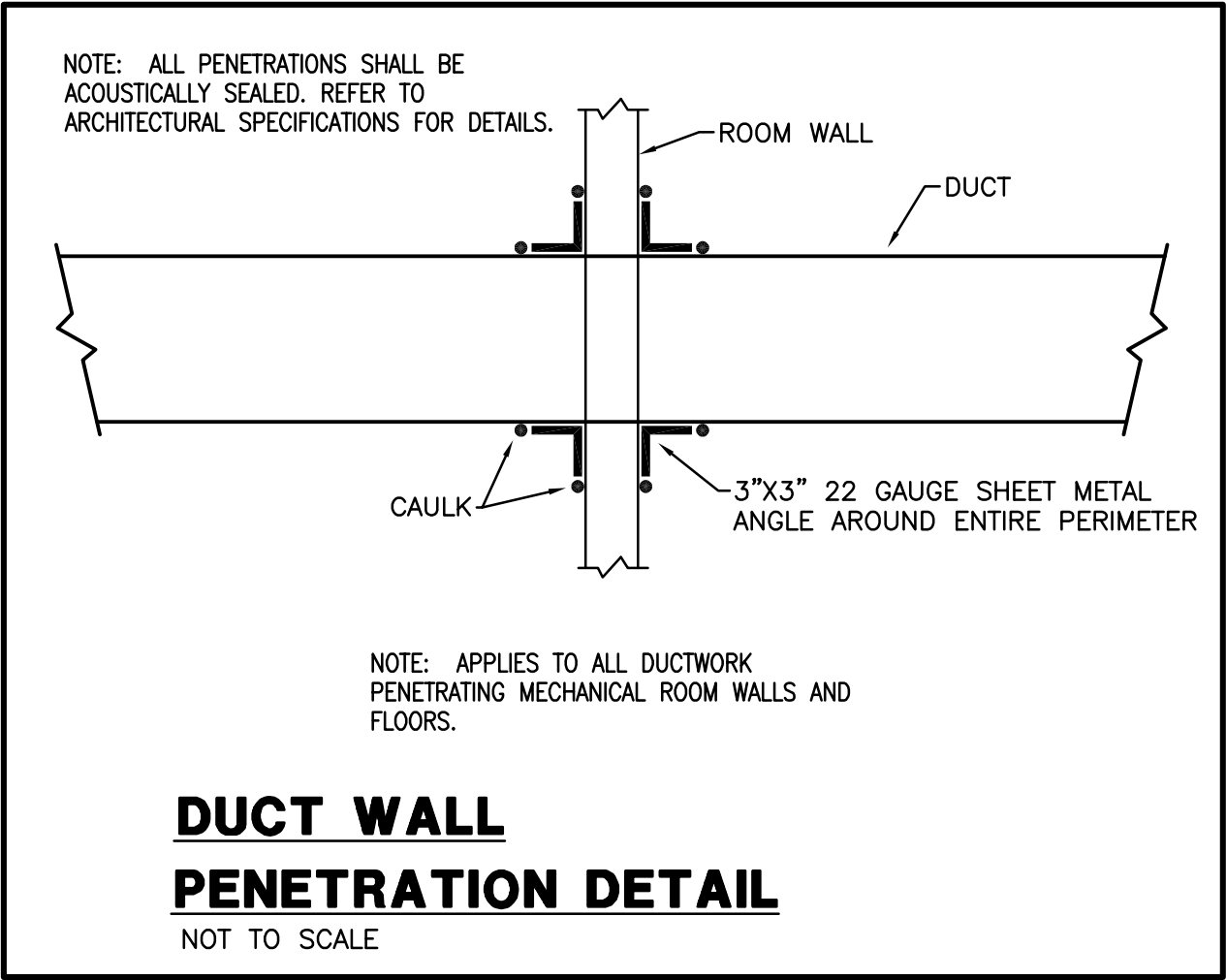


**PIPE RUNOUT SCHEDULE**

UNIT	FLOWRATE (GPM)	PIPE SIZE
HP-60	14.0	1 1/2"
HP-120	28.0	2"

**GEOTHERMAL PIPING TAP DETAIL**

NOT TO SCALE



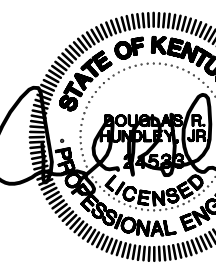
**DUCT WALL PENETRATION DETAIL**

NOT TO SCALE

CONSTRUCTION DOCUMENTS



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MECHANICAL DETAILS  
NELSON COUNTY SCHOOLS - WEST CAMPUS  
THOMAS NELSON H.S.  
PHASE III  
2885 NEW SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

BG 15-229

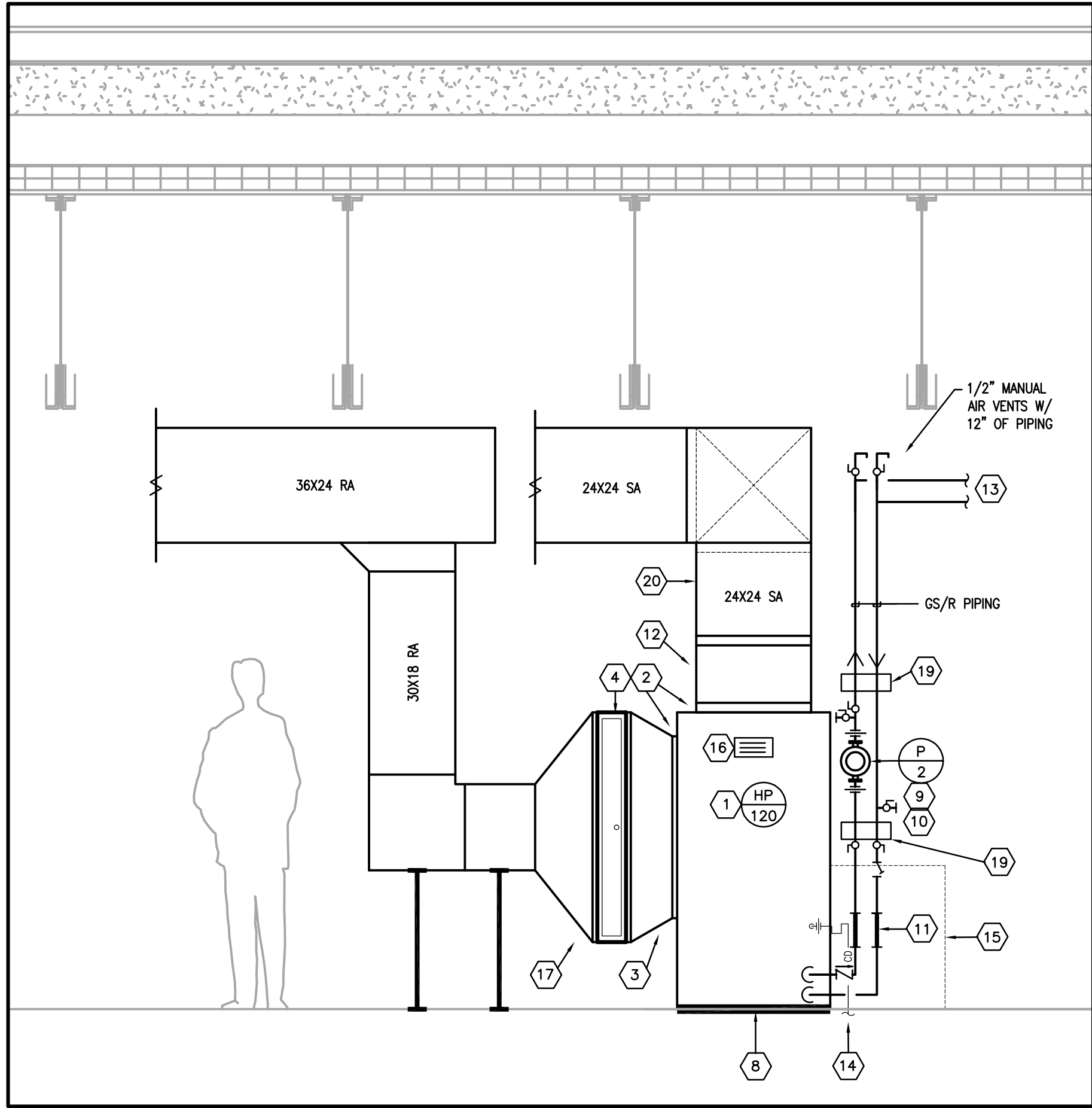
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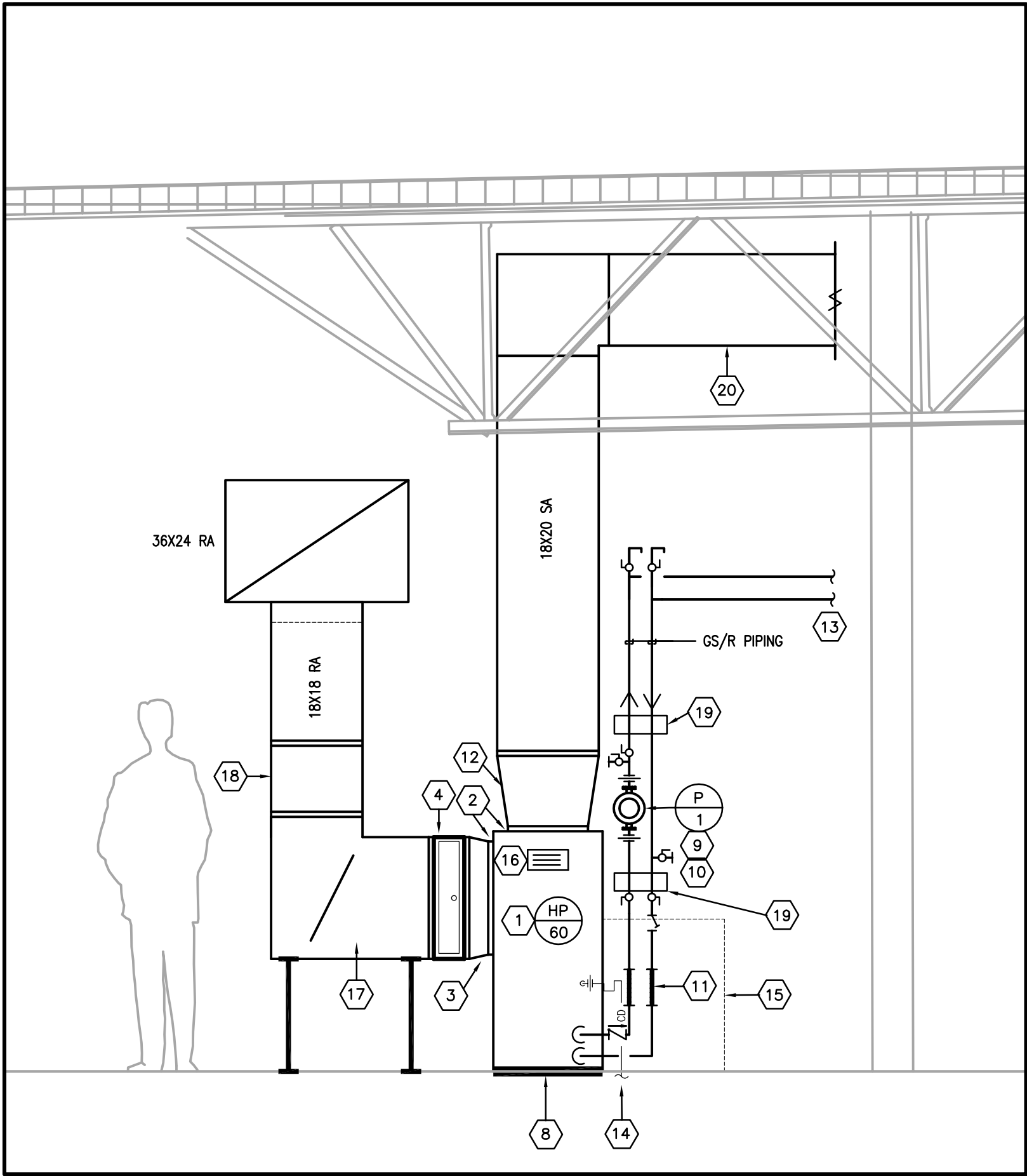
PHASE - 3

M4.1

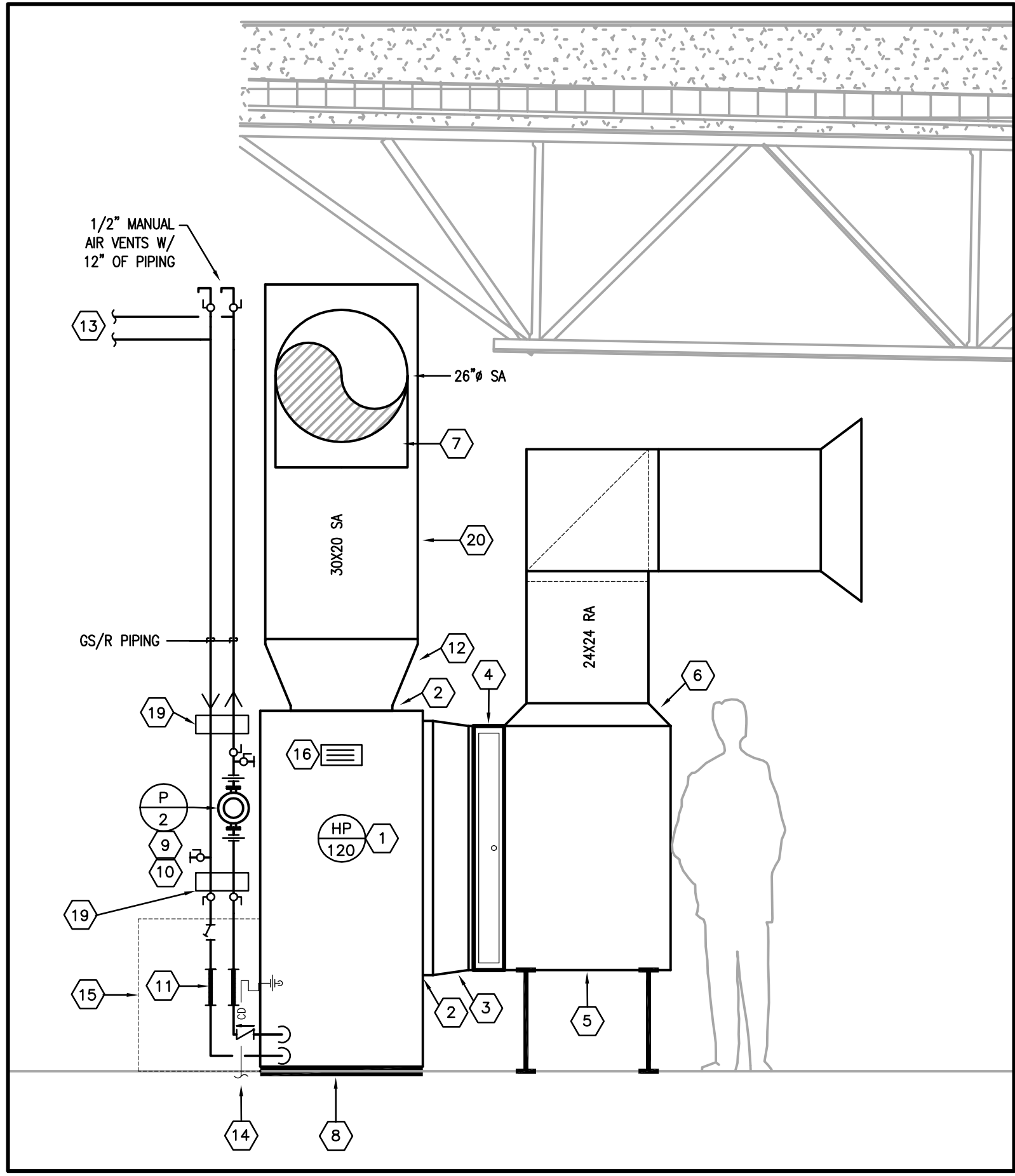
HS



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




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



**A**  
M4.2  
**MECH ROOM P202: HP-120 SECTION VIEW**  
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. TRANSITION FROM FULL SIZE OF UNIT TO FILTER SECTION.	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 MAGNETIC 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 202400 FOR MORE INFORMATION. THE PLACARD SHALL 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.

CONSTRUCTION DOCUMENTS

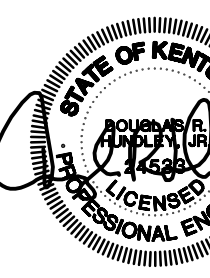


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NELSON COUNTY SCHOOL DISTRICT  
288 WILDCAT LANE  
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SECOND FLOOR MECHANICAL  
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ELECTRIC HEATERS		
SYMBOL	EH-1	EH-2
MANUF. & MODEL	MARKEL SERIES 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		
SYMBOL	HP-60	HP-120
MANF. & MODEL	FHP MODEL ES 061	FHP MODEL EC 120
BOX TYPE	VERTICAL UNIT	VERTICAL UNIT
NOMINAL CFM/ESP	2000 / 0.8"	4000 / 0.8"
# COMPR. / # STAGES	1 / 2	2 / 2
ECM MOTOR	YES	NO
REFRIGERANT	410A	410A
VOLTS/PHASE/HZ	460/3/60	460/3/60
MCA/MOP	18.0 / 30	25.1 / 40
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"ø
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	MANUFACTUER & 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"ø	24X24	8"ø	1, 2, 3, 8
S-3	TITUS R-OMNI	HEAVY GAUGE STEEL ADJUSTABLE ROUND PLAQUE FACE WITH 360° DISCHARGE PATTERN	175-250	10"ø	18"ø	8"ø	4, 6, 7, 8
S-4	TITUS R-OMNI	HEAVY GAUGE STEEL ADJUSTABLE ROUND PLAQUE FACE WITH 360° DISCHARGE PATTERN	350-400	12"ø	22.5"ø	10"ø	4, 6, 7, 8

REMARKS:

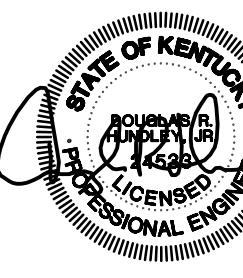
1. CEILING T-BAR MOUNTED IN 24"x24" ALUMINUM PANEL.
2. PROVIDE WHITE IN COLOR.
3. PROVIDE DIFFUSER WITH MOLDED THERMAL BLANKET.
4. SET DIFFUSER CONE TO DOWN POSITION.
5. GRILLE SHALL BE PROVIDED WITH 1" BORDER TO BE SURFACE MOUNTED.
6. CUSTOM COLOR TO BE SELECTED BY ARCHITECT.
7. NOISE CRITERIA FOR DIFFUSER MUST BE LESS THAN 25.
8. APPROVED MANUFACTURERS: TITUS, METALAIRE, PRICE, KRUEGER, MAILER, TUTTLE & BAILEY, ANEMOSTAT, CARNES.



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Thomas Nelson H.S.  
Professional Engineer  
No. 10000  
Exp. 12/31/2024



STATE OF KENTUCKY  
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Exp. 12/31/2024

NELSON COUNTY SCHOOL DISTRICT  
288 WILDCAT LANE  
BARDSTOWN, KENTUCKY 40004

MECHANICAL SCHEDULES  
NELSON COUNTY SCHOOLS - WEST CAMPUS  
THOMAS NELSON H.S.  
PHASE III  
2885 NEW SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

BG 15-229

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

2011-02  
PHASE - 3  
M5.1  
HS

GENERAL NOTES (APPLICABLE TO ALL WORK AND DOCUMENTS) :

1. EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO INSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO 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 THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEERS.
4. ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
5. 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. (SEE ALSO NOTE 21).
6. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.)
7. INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURERS' RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
8. DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING, AS REQUIRED BY CODES. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.
9. THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
10. ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER.
11. ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEERS, UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED.
12. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE. UNLESS OTHERWISE NOTED, COORDINATE WORK WITH ARCHITECT.
13. WHERE PENETRATING NEW/EXISTING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING INSTALLER/ARCHITECT.
14. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (ELECTRIC, TELEPHONE, TELEVISION, ETC.)
15. COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
16. UNLESS OTHERWISE SPECIFIED OR INDICATED, INSTALL LIGHT FIXTURES, SMOKE DETECTORS, SPEAKERS AND OTHER CEILING MOUNTED APPURTENANCES IN THE CEILING IN A SYMMETRICAL PATTERN, UNLESS SPECIFICALLY INDICATED OTHERWISE.
17. CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2'X2' CEILING TILE AND INSTALLED CENTERED ON 2' DIMENSION OF 2'X4' TILE AND ON CENTERLINE OR A QUARTER POINT ON 4' DIMENSION, AS INDICATED.
18. 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 CONTRACTORS' EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
19. CHECK ALL THREE PHASE MOTORS WITH 3 ROTATION METER, PRIOR TO PLACING IN SERVICE.
20. PROVIDE DETAILED SHOP DRAWINGS TO ENGINEERS PRIOR TO PURCHASING AND INSTALLING ANY EQUIPMENT.
21. DEVIATIONS IN SIZES, 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.
22. THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, SUPPLIERS, INSTALLERS, ETC. POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
23. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL, INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.
24. WHERE FIRE RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE RATED, APPROVED GYPSUM BOARD ENCLOSURES ABOVE LIGHT FIXTURES, CEILING DEVICES, ETC. IN OR ON CEILING, TO MAINTAIN CEILING RATINGS.
25. COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC. WITH ALL CASEWORK, KITCHEN EQUIPMENT, 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).
26. ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LABELED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVED AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.
27. ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES. CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR SHALL BE INSTALLED CONTINUOUS INsofar AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.
28. ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
29. 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. SUPPORTING FROM CROSS BRACING OR ROOF DECK WILL NOT BE ALLOWED.
30. WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.
31. REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT THE ENGINEER FOR DIRECTION PRIOR TO INSTALLING WORK.
32. FLUSH OR PEDESTAL - TYPE FLOOR OUTLETS, AS INDICATED ON PLAN SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE NOTED. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.
33. AS APPLICABLE, REFER TO ARCHITECTURAL PHASING PLANS AND PHASING BOUNDARIES ON THESE DRAWINGS FOR SEQUENCING OF WORK, FULL EXTENT OF AREAS INVOLVED, EXTENT OF CEILING WORK, ETC. PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.
34. WHERE EXIT LIGHTS ARE CONNECTED TO EMERGENCY CIRCUITS WITH KEYSWITCH OR CONTACTOR CONTROL, AN UNSWITCHED LINE SHALL BE PULLED IN TO MAINTAIN THEIR OPERATION REGARDLESS OF SWITCH POSITION.
35. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORD WITH THE ARCHITECT'S STANDARDS FOR SUCH WORK. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEERS FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.
36. INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR, UTILITY COMPANY AS NECESSARY, AND THE ARCHITECT, AT LEAST ONE WEEK IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED, TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE.
37. 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.
38. WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE.
39. ALL LIGHTING FIXTURE, LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARABOLIC" 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 SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
40. REFER TO ARCHITECTURAL DETAILS AS APPLICABLE FOR RECESSED SOFFIT FLUORESCENT FIXTURES. ADJUST FIXTURE LENGTHS BY FIELD MEASUREMENT OF SOFFIT, AS NECESSARY.
41. WHERE OUTLETS ARE LOCATED APPROXIMATELY BACK-TO-BACK ON OPPOSITE SIDES OF A PARTY WALL, THE OUTLETS SHALL NOT BE INSTALLED IN THE SAME STUD SPACE, BUT SHALL BE SEPARATED BY A MINIMUM OF ONE STUD.
42. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.
43. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEERS FOR CLARIFICATION PRIOR TO INSTALLING ANY SUCH WORK.
44. DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.

ABBREVIATIONS

- UNLESS OTHERWISE NOTED
- OWNER FURNISHED CONTRACTOR INSTALLED
- OWNER FURNISHED CONTRACTOR INSTALLED
- CONTRACTOR FURNISHED CONTRACTOR INSTALLED
- CONTRACTOR FURNISHED CONTRACTOR INSTALLED
- INDICATES EMERGENCY POWER
- INTERCOM/VIDEO REMOTE STATION (APHONE) AS NOTED 44"
- INTERCOM/VIDEO MASTER STATION (APHONE) AS NOTED

SYSTEM	ITEM	DEVICE MODEL & REFER TO SPECS. IF NONE LISTED	BACKBOX, COVER IF APPLICABLE	MOUNTING HEIGHT (TO BOTTOM OF BOX)	DRAWING SYMBOL
SWITCHES	LIGHT SWITCH: GENERAL PURPOSE			44"	PL
	Pilot LIGHT SWITCH (ILLUMINATED WHEN LOAD IS ON)			44"	SD
	DIMMER SWITCH			44"	3
	THREE-WAY SWITCH			44"	4
	FOUR-WAY SWITCH			44"	X
	KEYED SWITCH			44"	MC
	TIMMER SWITCH 0-15 MIN			44"	OS
	MOMENTARY CONTACT SWITCH			44"	
	LIGHT SWITCH W/ INTEGRAL INFRARED MOTION SENSOR AND AUTO/MANUAL ON/OFF OPERATION	NOVITAS #01-290		44"	
	FAN SPEED CONTROL SWITCH	AS NOTED		44"	
LIGHTING	PHOTO-CELL AS NOTED			NOTED	
	FLUORESCENT WALL MOUNT	SEE SCHEDULE		6'-6"	
	2'x2' FLUORESCENT TROFFER	SEE SCHEDULE			
	2'x4' FLUORESCENT TROFFER	SEE SCHEDULE			
	DOWNLIGHT	SEE SCHEDULE			
	EMERGENCY OPERATION	SEE SCHEDULE			
	INDUSTRIAL STRIP FIXTURE	SEE SCHEDULE			
	EXIT LIGHT	SEE SCHEDULE	MINIMUM 8'-0" AFF	AS NOTED	
	UNDERCABINET	SEE SCHEDULE		AS NOTED	
	LINEAR DIRECT/INDIRECT	SEE SCHEDULE		AS NOTED	
POWER OUTLETS	LIGHTING LABEL	SEE SCHEDULE		AS NOTED	
	EMERGENCY LIGHT BATTERY				
	NOTE: EXISTING NIGHT LIGHT FIXTURES (SAME AS B-LEVEL SWITCH W/ 50% NIGHT LIGHT)				
	SIMPLEX			1'-4"	
	DUPLEX - TAMPER RESISTANT, SHUTTER TYPE			1'-4"	
	DUPLEX			1'-4"	
	DUPLEX (ABOVE COUNTERTOP)			8" ACT.	
	DUPLEX WITH INTEGRAL GROUND FAULT PROTECTION			1'-4"	
	GANG RECEPTACLE IN COMBINATION WITH INTEGRAL VOLUME CONTROL IF LIGHTING CIRCUIT IS 277V			44"	
	QUADRUPEX RECEPTACLE			1'-4"	
JUNCTION BOX	208/116 DRYER RECEPTACLE, NEMA 14-30R	HUBBELL #H30A		44"	
	208/33 RECEPTACLE, AS NOTED			1'-4"	
	DUPLEX - IN KITCHEN (ABOVE FLOOR)			FLOOR	
	DUPLEX - SURGE SUPPRESSOR TYPE			1'-4"	
	WEATHER RESISTANT DUPLEX - WITH LOCKABLE, WEATHER-PROOF, "WILE IN USE" TYPE DIE-CAST METAL COVER, (INTERMATIC # WP10100 OR APPROVED EQUAL).			24"	
	2-GANG RECESSED, MULTI-SERVICE FLOOR BOX FOR INSTALLATION IN WOOD FLOORING. PROVIDE FLOOR OUTLET WITH UT LID FOR OUTLET ACCESS. UNIT SHALL HOUSE ONE DUPLEX AND ONE MICRO-PHONE OUTLET. FLOOR BOX SHALL BE WALKER # 880W-878B - E28B/828B(MC) OR APPROVED EQUAL. PROVIDE COMPLETE WITH BRASS FLANGE AND NECESSARY ACCESSORIES.				
	QUAD RECEPTACLE IN FLOOR				
	CONDUIT CONCEALED IN WALLS OR IN ABOVE CEILING; ARROW(S) INDICATE(S) HOME RUN & # OF CIRCUITS. HASHMARKS INDICATE # OF CONDUCTORS				
	DASHED LINES INDICATED CONDUIT SHALL BE ROUTED UNDERLAP OR AS OTHERWISE NOTED. (SEE SPECIFICATIONS FOR DETAILS)				
	DISCONNECT SWITCH			5'-0"	
MISC.	MAGNETIC STARTER			5'-0"	
	MAGNETIC COMBINATION STARTER			5'-0"	
	ENCLOSED FLUSH MTD CIRCUIT BREAKER			5'-0"	
	PUSHBUTTON STATION			44"	
	FLEXIBLE CONDUIT (SEE SPECIFICATIONS FOR TYPES PERMITTED)				
	NORMAL PANELBOARD, SURFACE OR FLUSH MOUNTED			76" TO TOP	
	TRANSFORMER			AS NOTED	
	MANUAL MOTOR STARTER STARTER SWITCH	SQUARE-D CLASS 2510		AS NOTED	
	EMERGENCY POWER CIRCUIT EQUIPMENT # INDICATOR				
	TAGGED NOTE				
CABLE TRAY AS NOTED	3/4" ENT CONDUIT (U.O.N.) STUB UP ABOVE SUSPENDED CEILING (SEE DETAILS)				
	MECHANICAL EQUIPMENT DESIGNATOR (SEE MECH. SCHEDULES)				
	JUNCTION BOX		AS NOTED	NOTED	
	TERMINAL CABINET SURFACE OR FLUSH MOUNTED AS NOTED				
	CABLE TRAY AS NOTED	SEE DETAILS		AS SHOWN	
	BRIDLE RING/ HOOK CABLE PATH	SEE DETAILS			
	DOORBELL PUSHBUTTON (NU-TONE)	NOTED		44"	
	DOORBELL AUDIO/VISUAL (NU-TONE)	NOTED		8'-0"	
	EQUIPMENT HARDWIRE CONNECTION (SEE DETAIL)				
	EQUIPMENT OUTLET COUPLING CONNECTION (SEE DETAIL)				
REVISION NOTE	INTERCOM/VIDEO REMOTE STATION (APHONE)	AS NOTED		44"	
	INTERCOM/VIDEO MASTER STATION (APHONE)	AS NOTED			
	UNLESS OTHERWISE NOTED				
	OWNER FURNISHED CONTRACTOR INSTALLED				
	OWNER FURNISHED CONTRACTOR INSTALLED				
	CONTRACTOR FURNISHED CONTRACTOR INSTALLED				
	CONTRACTOR FURNISHED CONTRACTOR INSTALLED				
	INDICATES EMERGENCY POWER				

PA SYSTEM GENERAL NOTE:

- EXISTING PA SYSTEM IS TO BE REPLACED UNDER BASE BID. EXISTING SPEAKERS SHALL BE REUSED AS INDICATED THROUGHOUT, EXTEND NEW CABLING/REWORK EXISTING CABLING AS REQUIRED TO RECONNECT EXISTING SPEAKERS AS WELL AS NEW SPEAKERS TO NEW PA SYSTEM. CONTRACTOR SHALL REMOVE, REINSTALL, AND RECONNECT SPEAKERS IN NEW CEILING TILES WHERE CEILINGS ARE NOTED TO BE REPLACED ON THE ARCHITECTURAL PLANS.

SECURITY SYSTEM GENERAL NOTE:

- EXISTING SECURITY SYSTEM IS TO REMAIN AS INDICATED. CONTRACTOR SHALL BE RESPONSIBLE FOR REWORKING EXISTING CABLING, ETC. TO FACILITATE CONSTRUCTION. CONTRACTOR SHALL REMOVE, REINSTALL, AND RECONNECT EXISTING SECURITY SYSTEM DEVICES (MOTION SENSORS, ETC.) IN NEW CEILING TILES WHERE CEILINGS ARE NOTED TO BE REPLACED ON THE ARCHITECTURAL PLANS.

CCTV SYSTEM GENERAL NOTE:

- EXISTING CCTV SYSTEM IS TO REMAIN (RELOCATED) AS INDICATED. CONTRACTOR SHALL BE RESPONSIBLE FOR REWORKING EXISTING CABLING, ETC. TO FACILITATE CONSTRUCTION. CONTRACTOR SHALL REMOVE, REINSTALL, AND RECONNECT ALL CCTV SYSTEM COMPONENTS (CCTV CAMERAS, ETC.) IN NEW CEILING TILES WHERE CEILINGS ARE NOTED TO BE REPLACED ON THE ARCHITECTURAL PLANS.

SYSTEMS EQUIPMENT TERMINAL POINT NOTE :

- AT ALL SYSTEMS EQUIPMENT CABINET/TERMINAL BOARD LOCATIONS (EQUIP) AS INDICATED ON ELECTRICAL DRAWINGS, CONTRACTOR SHALL PROVIDE SIZE AND NUMBER OF CONDUIT STUB-OUTS TO CABLE PATHS AS REQUIRED FOR CABLING. TERMINATE CONDUITS AT CABINETS/ON BACKBOARDS AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH CABLING INSTALLATION PRIOR TO CONSTRUCTION.

VOICE/DATA SYSTEMS GENERAL NOTE:

- EXISTING VOICE/DATA CABLING IS TO REMAIN UNLESS INDICATED OTHERWISE. CONTRACTOR SHALL BE RESPONSIBLE FOR REWORKING EXISTING CABLING, ETC. TO FACILITATE CONSTRUCTION. REWORK EXISTING CABLING AS REQUIRED TO AVOID CONFLICT WITH NEW CONSTRUCTION, DUCTWORK, PIPING, EQUIPMENT, ETC.

GENERAL NOTE:

THIS CONTRACTOR MUST REFER TO DIVISION 1 SPECIFICATIONS FOR ALLOWANCES THAT MUST BE INCLUDED BY THIS CONTRACTOR.

CONSTRUCTION DOCUMENTS

ELECTRICAL LEGEND

NELSON COUNTY SCHOOLS - WEST CAMPUS

THOMAS NELSON H.S.

PHASE III

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

BG 15-229

DATE : 12/07/2015

DRAWN BY : BP

CHECKED BY : BP

REVISIONS :

2011-02

PHASE - 3

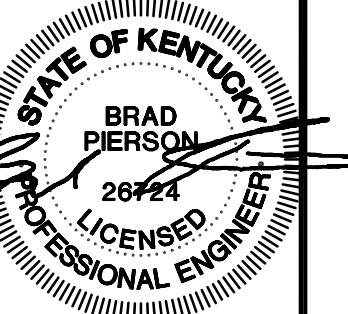
E1.1

HS

NELSON COUNTY SCHOOL DISTRICT

288 WILDCAT LANE

BARDSTOWN, KENTUCKY 40004



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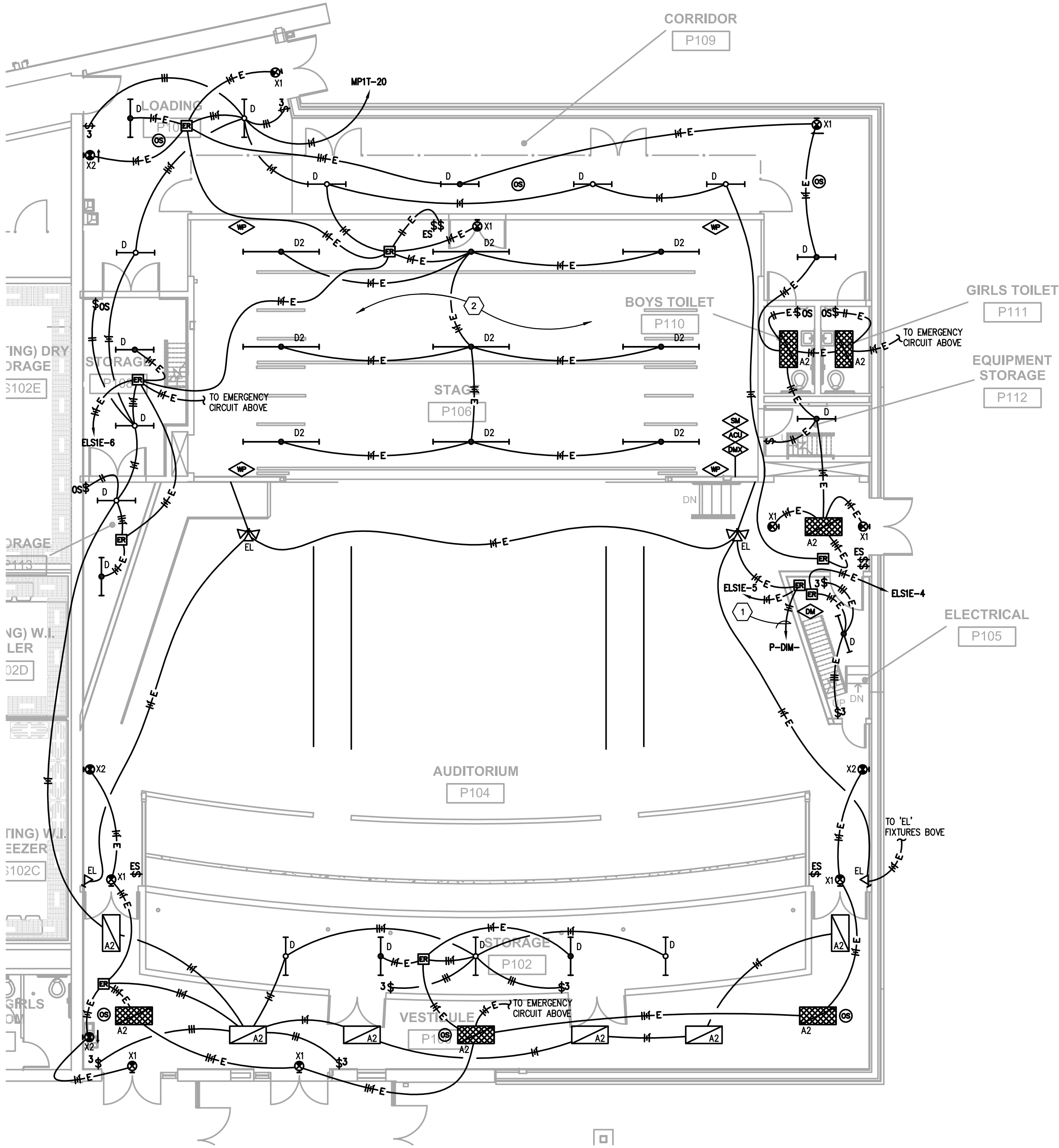
TEL 502.499.1100 FAX 499.1101



studio

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 WALL POCKET	SEE SPECS.

THEATRICAL LIGHTING EQUIPMENT LEGEND



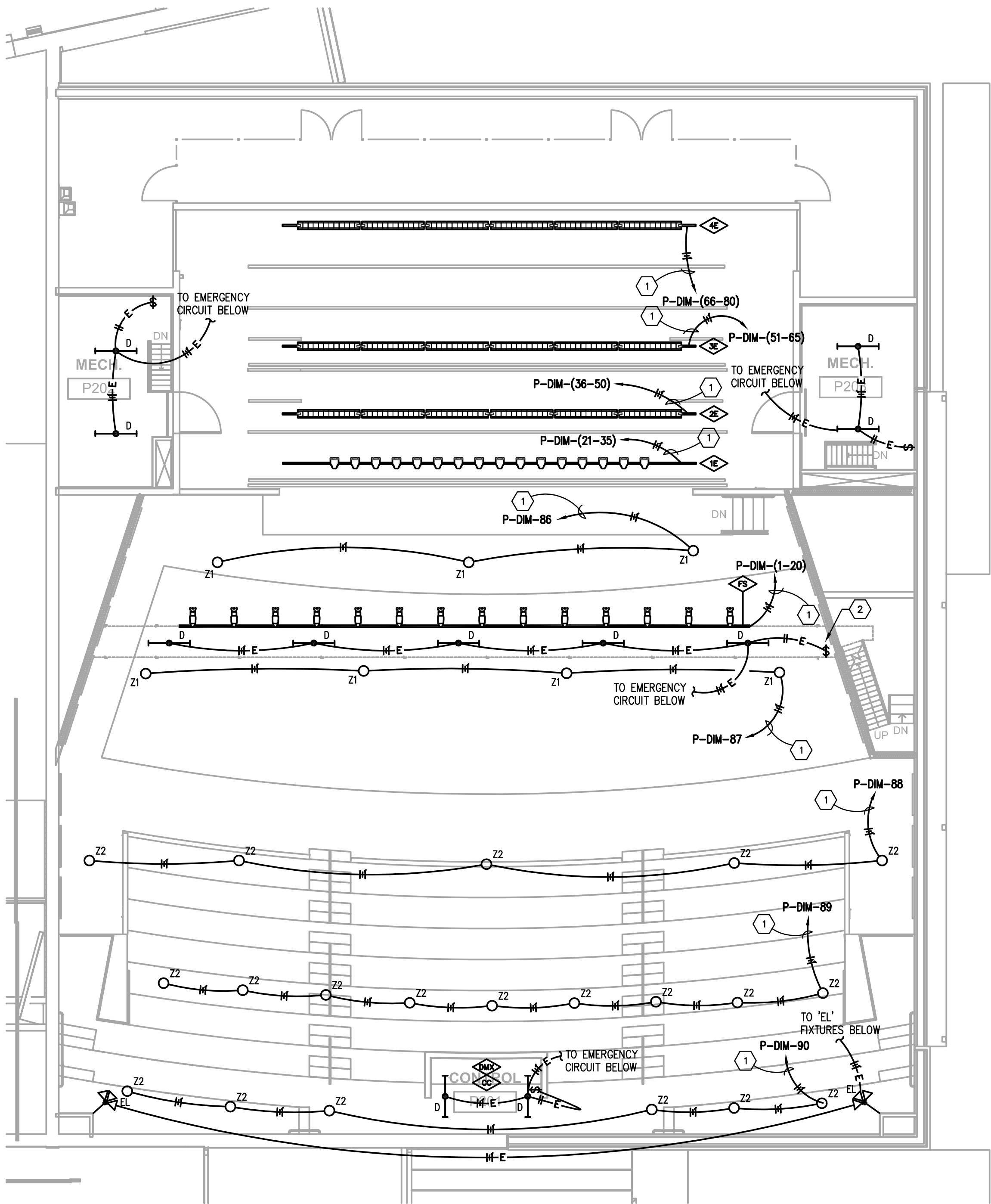
**A**  
E2.1  
**FIRST FLOOR PLAN - LIGHTING**  
Scale: 1/8" = 1'-0"

**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 WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), 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 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 "PARABOLIC" 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 SHOWING DIRT OR FINGER PRINTS SHALL 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.



A  
E2.2

## SECOND FLOOR PLAN - LIGHTING

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

### 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 WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), 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 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 "PARAQUEB" 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 SHOWING DIRT OR FINGER PRINTS SHALL 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 (5) 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.

## CONSTRUCTION DOCUMENTS

SECOND FLOOR PLAN - LIGHTING

NELSON COUNTY SCHOOLS - WEST CAMPUS

THOMAS NELSON H.S.

PHASE III

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

NELSON COUNTY SCHOOL DISTRICT  
288 WILDCAT LANE  
BARDSTOWN, KENTUCKY 40004



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3258 Ruckriegel Parkway, Louisville, KY 40299

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studio

BG 15-229

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

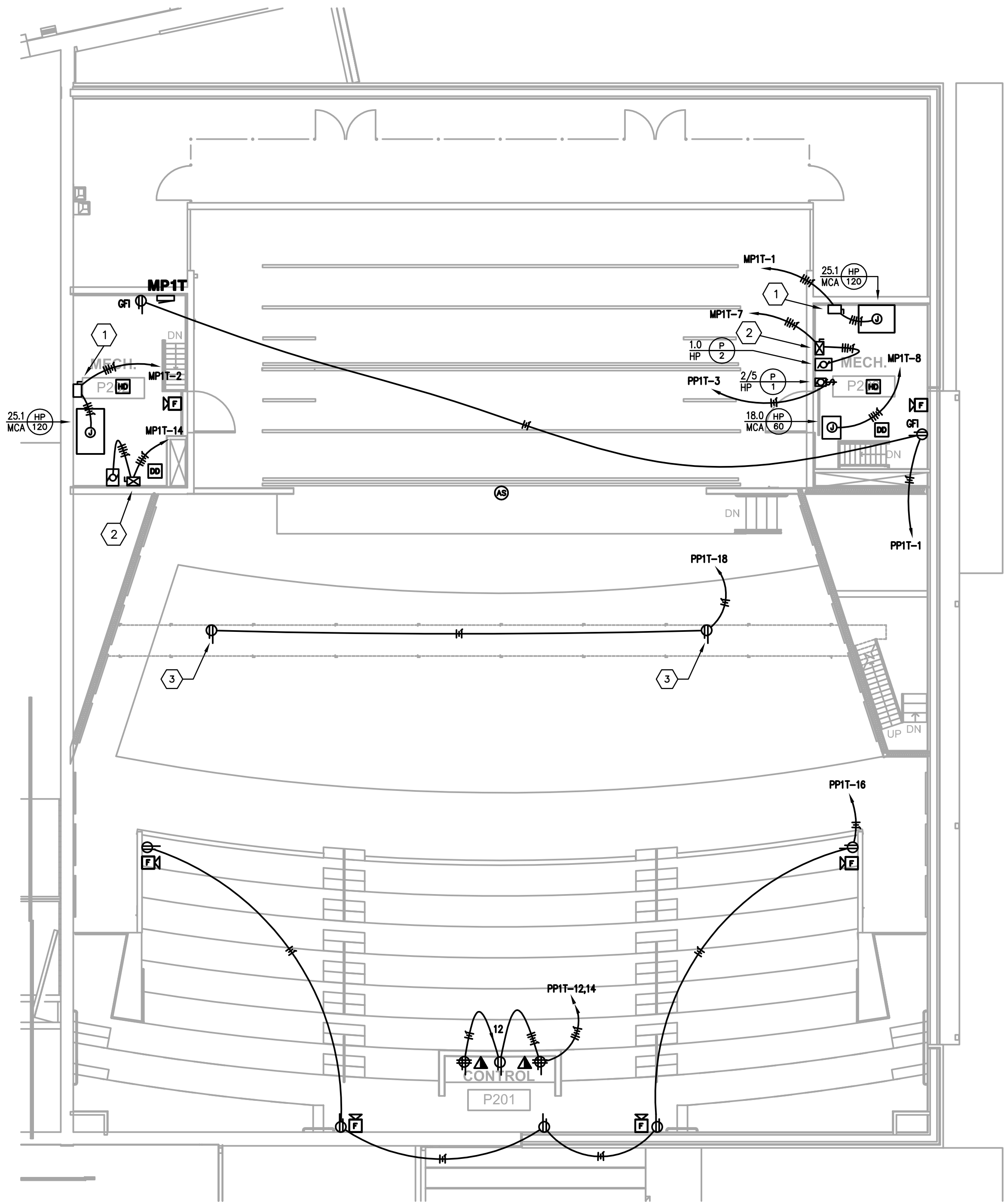
2011-02

PHASE - 3

E2.2

HS





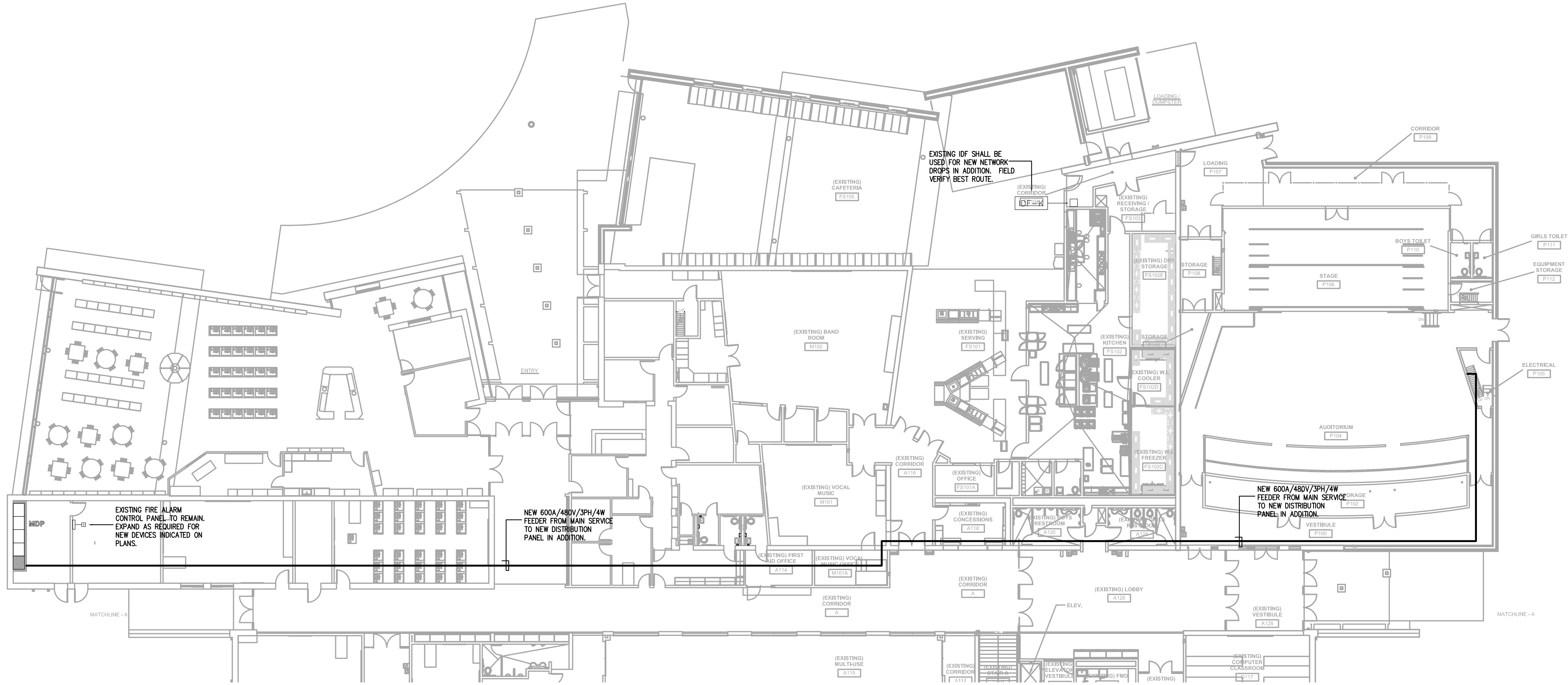
**SECOND FLOOR PLAN - POWER/SYSTEMS**  
Scale: 1/8" = 1'-0"

**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. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE 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 COVERPLATES 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(E).
- 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/MAINTENANCE 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.



**A**  
E5.1  
**PARTIAL MAIN FLOOR - INTERCONNECTION PLAN**  
Scale: 1/16" = 1'-0"

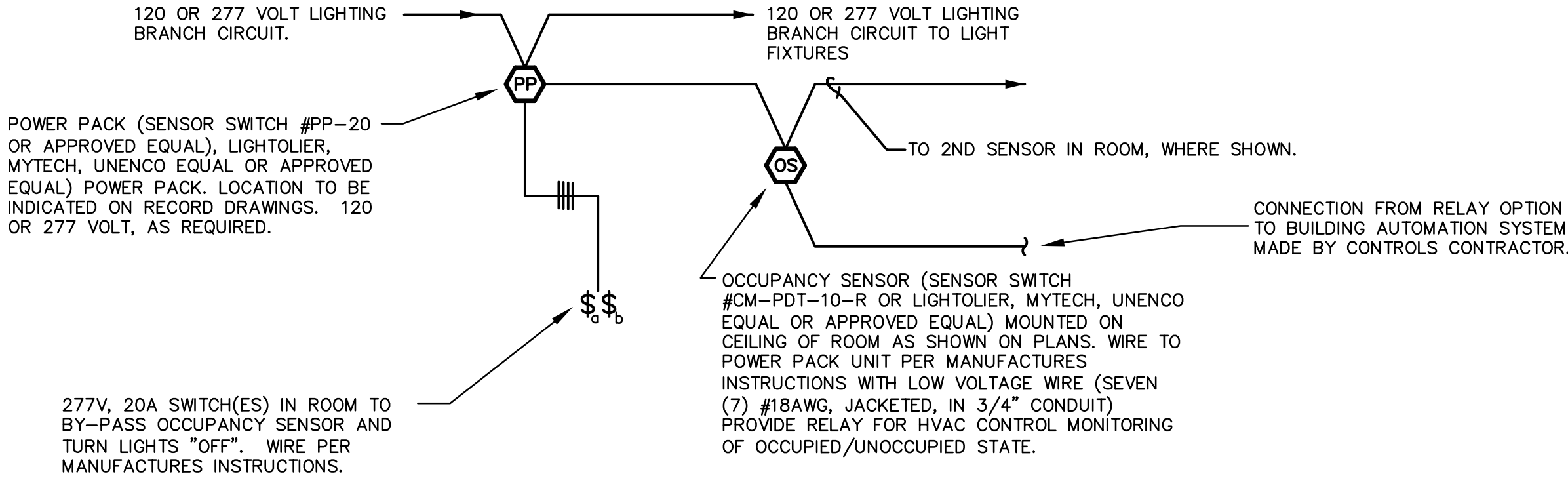
ELECTRICAL INTERCONNECTION PLAN	
NELSON COUNTY SCHOOLS - WEST CAMPUS	
THOMAS NELSON H.S.	
PHASE III	
2885 NEW SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004	
BG 15-229	
DATE : 12/07/2015	
DRAWN BY : BP	
CHECKED BY : BP	
REVISIONS :	
2011-02	
PHASE - 3	
E4.1	
HS	

NELSON COUNTY SCHOOL DISTRICT  
288 WILDCAT LANE  
BARDSTOWN, KENTUCKY 40004



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 AGI32 AND PROVIDE ELECTRONIC AGI 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. LIFTS AND SCAFFOLDING SHALL BE AVAILABLE.
- LIGHT FIXTURE ALLOWANCES DO NOT INCLUDE LAMPS, LABOR FOR INSTALLATION OR REQUIRED SUPPORTS TO INSTALL FIXTURES. CONTRACTOR SHALL INCLUDE LAMPS, LABOR AND SUPPORTS REQUIRED FOR INSTALLATION IN BASE BID. CONTRACTOR SHALL INCLUDE ALLOWANCE PRICE IN BASE BID.
- CONFIRM ALL FINISHES AND MOUNTING HEIGHTS WITH ARCHITECT DURING SHOP DRAWING REVIEW. PROVIDE CUSTOM, FACTORY CUT STEM LENGTHS AS REQUIRED.
- REFER TO DRAWINGS FOR MOUNTING REQUIREMENTS, NUMBER OF FACES AND ARROWS (CHEVRONS) FOR ALL EXIT SIGNS.
- EXTERIOR FLUORESCENT FIXTURES SHALL BE PROVIDED WITH 0' BALLASTS.
- CONTRACTOR SHALL VERIFY CEILING TYPES PRIOR TO ORDERING FIXTURE AND PROVIDE FIXTURES APPROPRIATE TO THE ACTUAL CONDITION. THIS IS TO INCLUDE SPECIFIC TYPE OF LAY-IN CEILING GRID.
- ALL FIXTURES WITH BALLASTS AND LOW-VOLTAGE TRANSFORMERS INCLUDING FLUORESCENT, COMPACT FLUORESCENT AND CERAMIC METAL HALIDE TYPES SHALL HAVE INTERNAL FAST-BLOW FUSING.
- BALLASTS SHALL BE MANUFACTURED BY ADVANCED, SYLVANIA OR GE AND SHALL BE COMPATIBLE AND TESTED WITH LAMP(S). IF LAMP AND BALLAST COMBINATION HAS A SIGNIFICANT AMOUNT OF FAILURE DUE TO LAMP AND BALLAST COMBINATION, THE CONTRACTOR SHALL REPLACE ALL OF THE LAMPS AND BALLASTS HAVING THE FAILURE IN WHOLE.
- ALL LIGHT FIXTURES, INCLUDING PENDANTS AND DOWNLIGHTS, SHALL HAVE A "MAXIMUM WATTAGE LABEL" AFFIXED TO EACH FIXTURE BY THE MANUFACTURERS FACTORY. MAXIMUM WATTAGE TO BE BASED ON THE SPECIFIED LAMP(S) FROM THE LIGHT FIXTURE SCHEDULE.
- LINEAR FLUORESCENT AND COMPACT FLUORESCENT LIGHT FIXTURES SHALL BE PROVIDED WITH ONE OF THE FOLLOWING LAMP AND BALLAST COMBINATIONS:
  - SYLVANIA LAMP(S)/SYLVANIA BALLAST(S)
  - PHILIPS LAMP(S)/ADVANCE BALLAST(S)
  - GE LAMP(S)/GE BALLAST(S)LAMP AND BALLAST COMBINATIONS SHALL HAVE AN UNCONDITIONAL 5 YEAR COMBINATION LAMP AND BALLAST SYSTEM WARRANTY.
- ALL LAY-IN FIXTURES SHALL BE PROVIDED WITH SCREW ON HOLD DOWN CLIPS, AND MAX. 6'-0" LONG 1/2" FLEXIBLE CONDUIT WHIPS WITH TWO #12 AND #12 GROUND.
- SPARE LAMPS: CONTRACTOR SHALL FURNISH TO THE OWNER AT COMPLETION 10% OF EACH LAMP TYPE WITH A MINIMUM OF 5 OF EACH LAMP TYPE.
- SPARE BALLASTS: CONTRACTOR SHALL FURNISH TO THE OWNER AT COMPLETION 3% OF EACH FLUORESCENT BALLAST WITH A MINIMUM OF 5 OF EACH TYPE.



GENERAL NOTES.

VERIFY ALL WIRING REQUIREMENTS WITH MANUFACTURER OF OCCUPANCY SENSOR PRIOR TO ROUGH-IN. THIS DIAGRAM IS MEANT TO BE ILLUSTRATIVE ONLY.

ALL POWER PACKS TO BE LOCATED IN CONCEALED LOCATIONS ABOVE ACCESSIBLE CEILINGS.

ALL UNITS TO BE DUAL TECHNOLOGY (INFRARED/SONIC) WITH POWER PACKS.

TYPICAL OF ALL OCCUPANCY SENSORS USED IN NON DAYLIT SPACES.

TYPICAL CEILING MOUNTED OCCUPANCY SENSOR LIGHTING CONTROL WIRING DIAGRAM

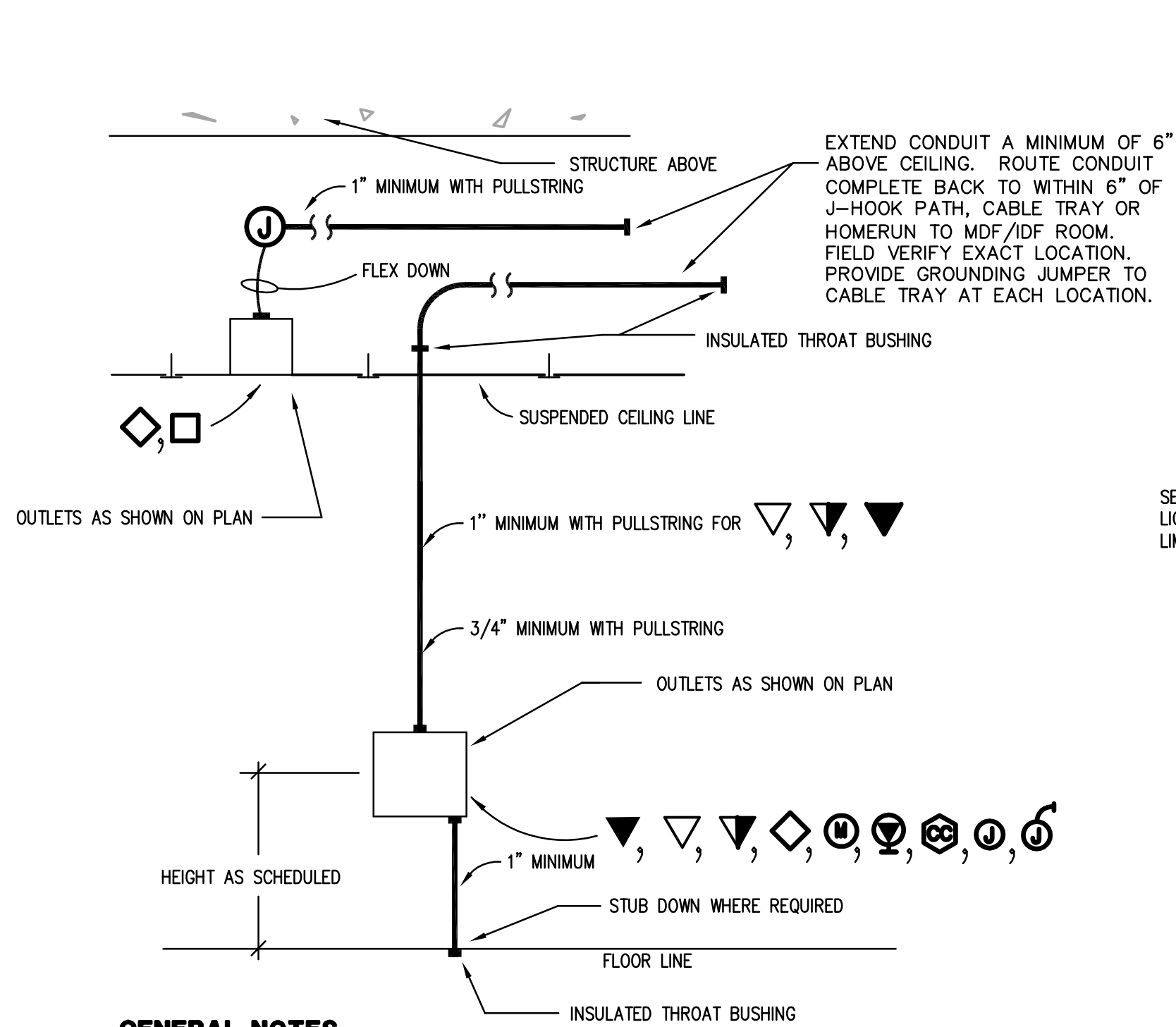
Scale: NONE

LIGHT FIXTURE SCHEDULE

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 0 XX CT TP4 PB3 COOPER # TBWB2151C277AC48STLENGTH 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/AHS/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/AHS/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 8AR 277 GLR TRW PORTFOLIO # C7141/*/7151LWF/HB26 CALCULITE # 8037CLW/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 8AR 277 GLR TRW PORTFOLIO # C7142/*/7151LWF/HB26 CALCULITE # 8039CLW/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 # PLIPT64277V 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 # LESW1R SURE-LITE # CAX610000RW LIGHTOLIER # LDSAURW	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

Scale: NONE

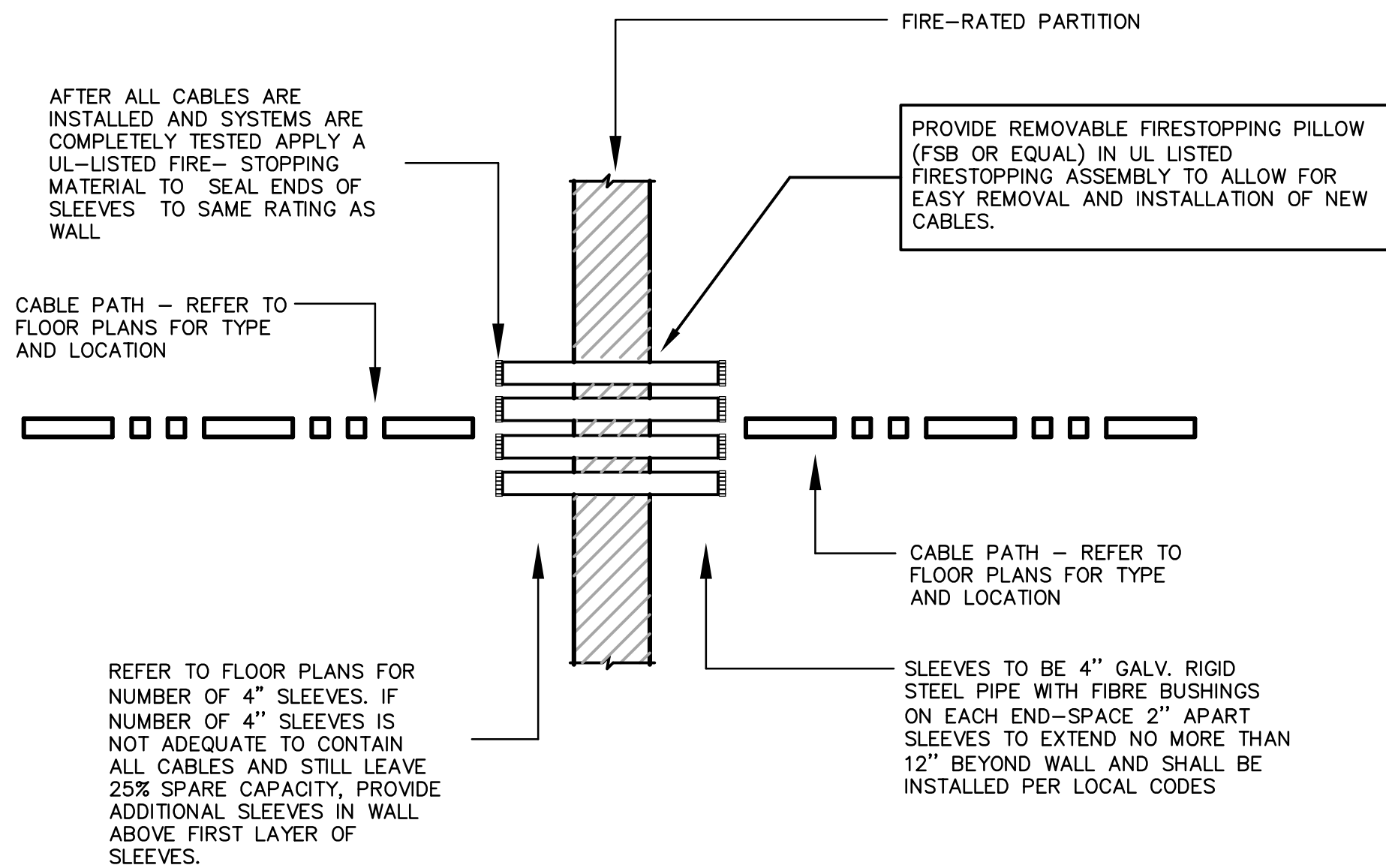


#### GENERAL NOTES.

- EXTEND CONDUIT TO NEAREST WIRING PATH UNLESS CABLING TERMINATES AT ANOTHER OUTLET IN THE SAME ROOM (IN WHICH CASE, STUB CONDUIT OUT ABOVE THE ROOM'S SUSPENDED CEILING). REFER TO GENERAL NOTES LOCATED ON ALL SYSTEM'S DRAWINGS.
- WHERE OPEN CABLING IS INSTALLED WITHIN ENVIRONMENT AIR PLENUMS, SUCH CABLING SHALL MEET NEC REQUIREMENTS FOR SUCH INSTALLATIONS.
- LABEL BACK OF OUTLET BOXES AND ENDS OF CONDUIT WITH UNIQUE NUMBER TO IDENTIFY EACH STUB-UP. USE PERMANENT MARKER PEN, 3/4" HIGH LETTERS. MATCH NUMBER ON OUTLET BOX TO END OF CONDUIT.

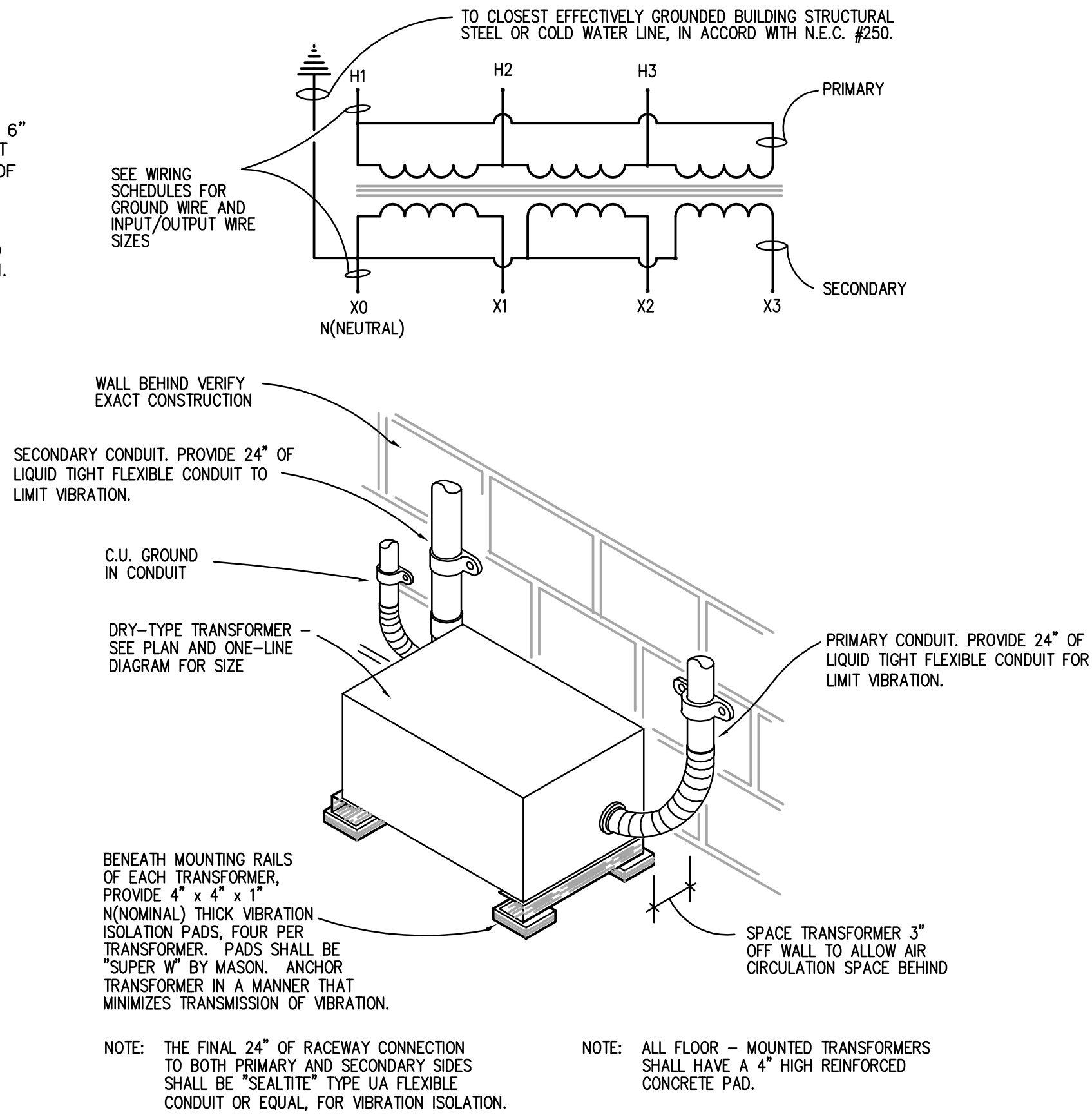
### E E4.2 ROUGH-IN DETAIL FOR STUB OUTS

Scale: NO SCALE



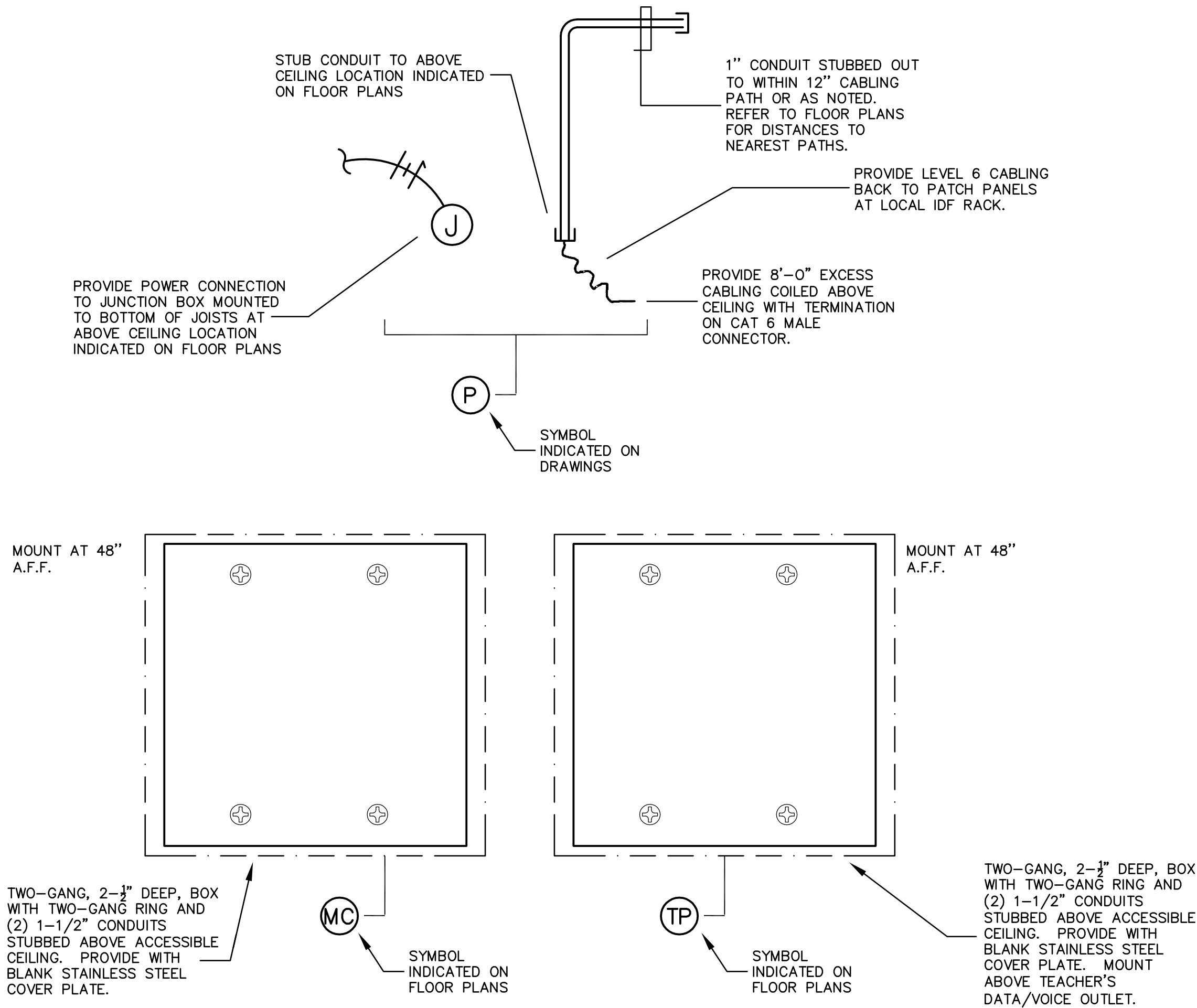
### F E4.2 DETAIL OF CABLING PATH PENETRATION THOROUGH RATED WALL

Scale: NO SCALE



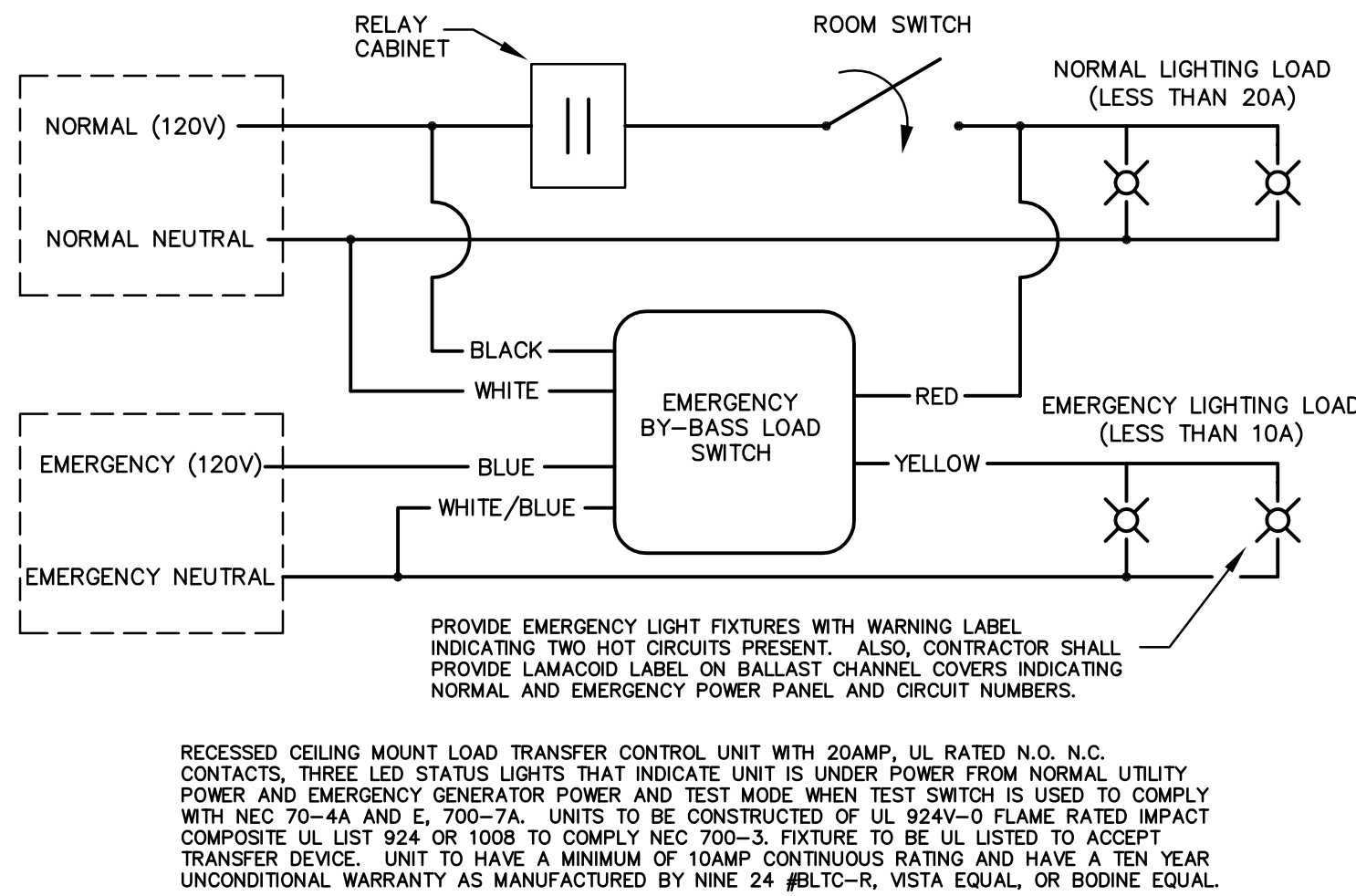
### C E4.2 TYPICAL DRY-TYPE TRANSFORMER INSTALLATION DETAIL

Scale: NO SCALE



### A E4.2 DETAIL OF TYPICAL CLASSROOM MULTIMEDIA SYSTEM ROUGH-INS

Scale: NONE



RECESSED CEILING MOUNT LOAD TRANSFER CONTROL UNIT WITH 20AMP, UL RATED N.O. N.C. CONTACTS, THREE LED STATUS LIGHTS THAT INDICATE UNIT IS UNDER POWER FROM NORMAL UTILITY POWER AND EMERGENCY GENERATOR POWER AND TEST MODE WHEN TEST SWITCH IS USED TO COMPLY WITH NEC 70-4A AND E-700-7A. UNITS TO BE CONSTRUCTED OF UL 924V-0 FLAME-RATED IMPACT COMPOSITE UL LIST 924 OR 1008 TO COMPLY NEC 700-3. FIXTURE TO BE UL LISTED TO ACCEPT TRANSFER DEVICE. UNIT TO HAVE A MINIMUM OF 10AMP CONTINUOUS RATING AND HAVE A TEN YEAR UNCONDITIONAL WARRANTY AS MANUFACTURED BY NINE 24 #BLTC-R, VISTA EQUAL, OR BODINE EQUAL.

NOTES: PROVIDE J-BOX AS REQUIRED FOR FLUSH MOUNTING. ALL EMERGENCY BY-PASS SWITCHES SHALL BE MOUNTED IN CEILING NEXT TO FIRST FIXTURE BEING SERVED. DEVICES SHALL BE SECURED TO THE CEILING GRID AND NOT SOLELY TO CEILING TILES. THE CONTRACTOR SHALL PROVIDE CAD DRAWINGS MAPPING ENTIRE BUILDING EMERGENCY LIGHTING SYSTEM INDICATING EXACT LOCATION OF EMERGENCY BY-PASS SWITCHES AND SUBMIT INFORMATION AS SHOP DRAWINGS FOR APPROVAL BY ENGINEER.

PROVIDE WITH LED INDICATOR FOR INDICATION OF LOSS OF A POWER SOURCE. DO NOT PROVIDE WITH AUDIBLE INDICATOR.

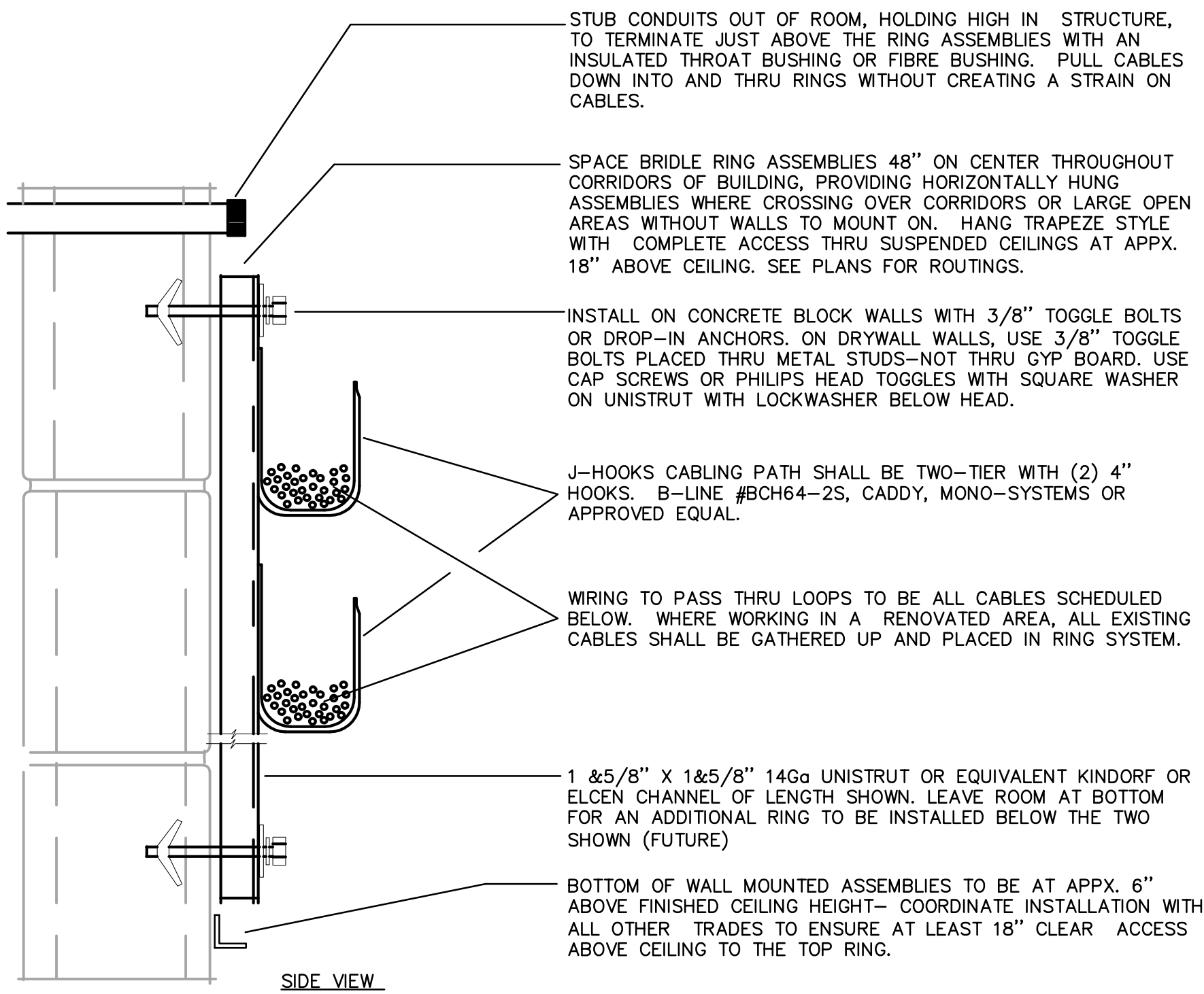
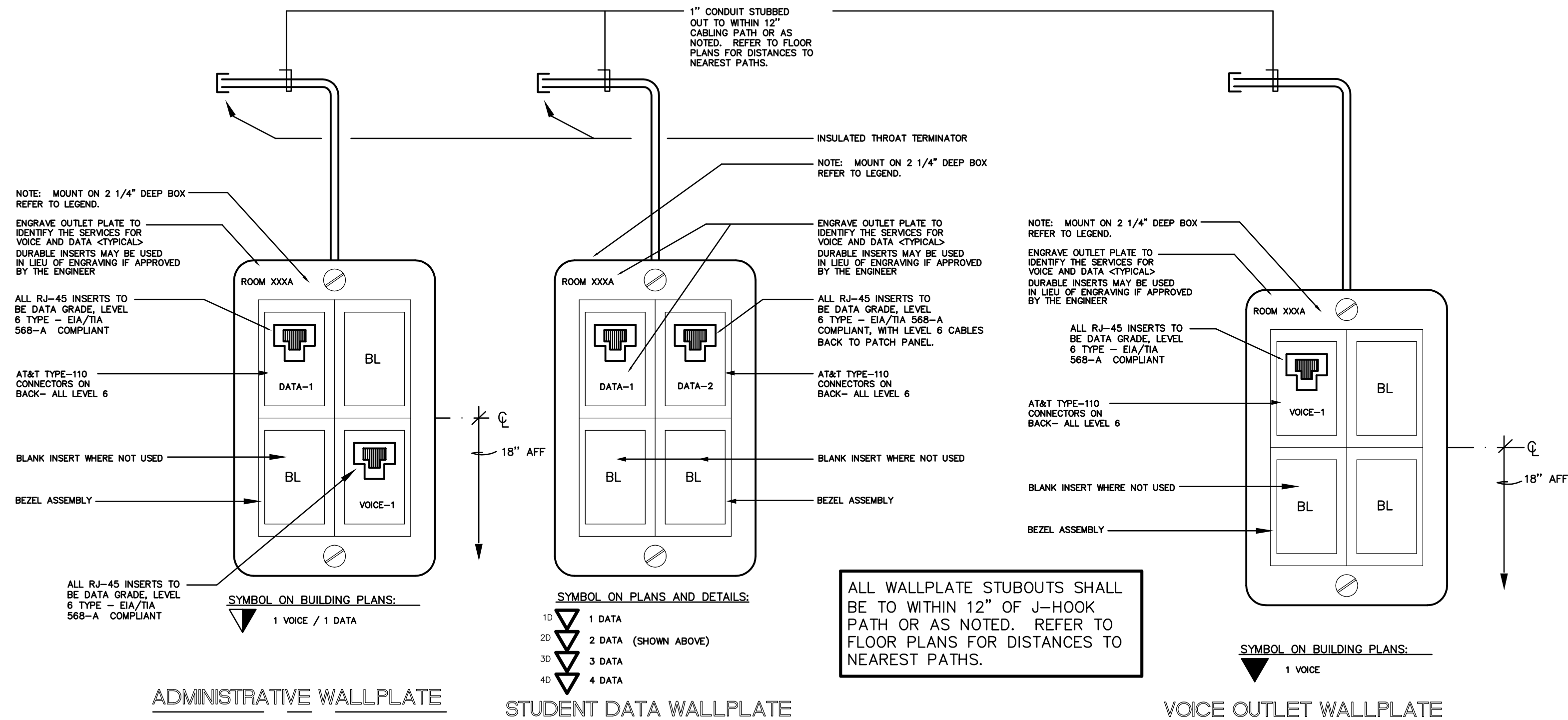
### B E4.2 EMERGENCY BY-PASS LIGHTING RELAY WIRING DIAGRAM

Scale: NONE

C  
E4.3

DETAIL OF WALLPLATE TYPES FOR VOICE/DATA SYSTEMS

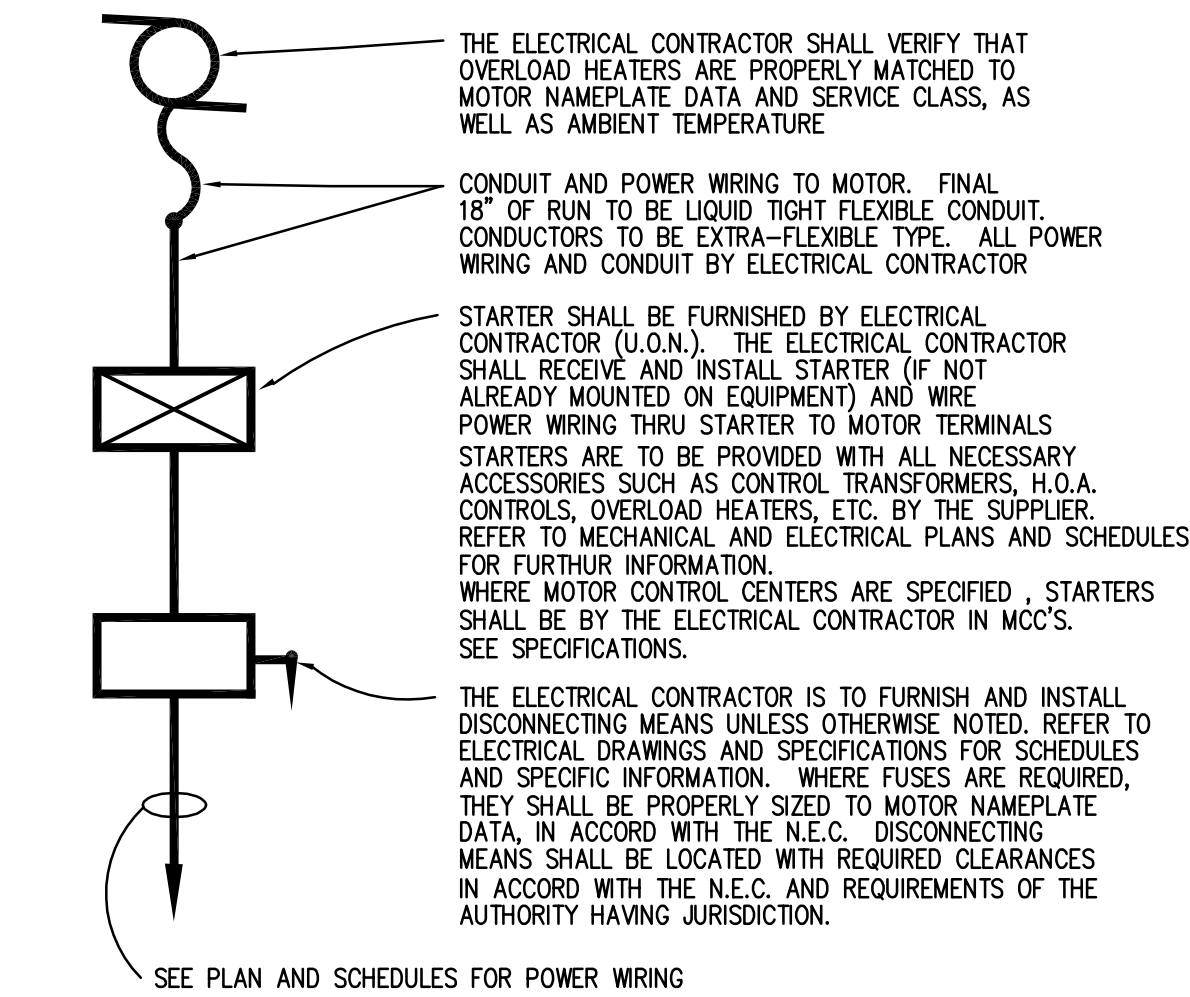
Scale: NO SCALE



B  
E4.3

"J-HOOK" CABLING PATH INSTALLATION DETAIL

Scale: NO SCALE



A  
E4.3

TYPICAL MOTOR/STARTER INSTALLATION

Scale: NO SCALE

CONSTRUCTION DOCUMENTS

ELECTRICAL DETAILS

NELSON COUNTY SCHOOLS - WEST CAMPUS

THOMAS NELSON H.S.

PHASE III

2885 NEW SHEPHERDSVILLE ROAD (HWY 241) BARDSTOWN, KENTUCKY 40004

NELSON COUNTY SCHOOL DISTRICT  
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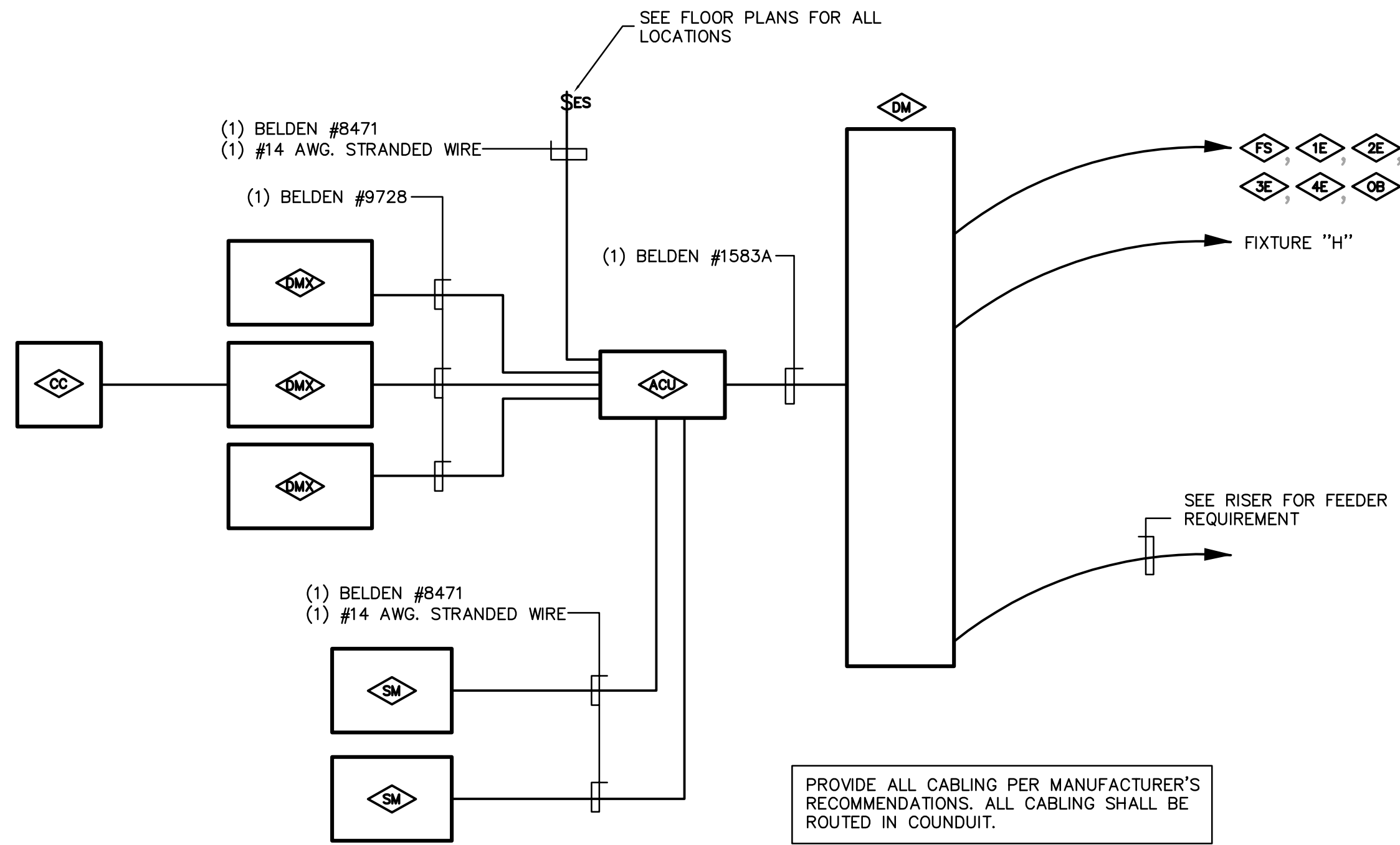
PHASE - 3

E5.3

HS

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

BG 15-229



AUDITORIUM DIMMING SCHEDULES AND DETAILS

SYMBOL	DESCRIPTION	PART NO.
FS	FRONT STAGE LIGHTING.	SEE SPECS.
IE	FIRST ELECTRIC LIGHTING.	SEE SPECS.
2E	SECOND ELECTRIC LIGHTING.	SEE SPECS.
3E	THIRD ELECTRIC LIGHTING.	SEE SPECS.
4E	FOURTH ELECTRIC LIGHTING.	SEE SPECS.
\$ES	ENTRY SWITCH.	SEE SPECS.
SM	STAGE MANAGER PANEL. 12 BUTTON, 7 FADE UNIT.	SEE SPECS.
ACU	ARCHITECTURE CONTROL UNIT.	SEE SPECS.
DMX	CONTROL STATION OUTLET.	SEE SPECS.
CC	CONTROL CONSOLE.	SEE SPECS.
DM	LIGHTING DIMMER RACK.	SEE SPECS.
OB	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	1P20	INC 2.4-KW	1170 W
90	HOUSE LIGHTING	1P20	INC 2.4-KW	780 W
91	SPARE	1P20	INC 2.4-KW	0 W
92	SPARE	1P20	INC 2.4-KW	0 W
93	SPARE	1P20	INC 2.4-KW	0 W
94	SPARE	1P20	INC 2.4-KW	0 W
95	STEP LIGHTING	1P20	INC 2.4-KW	100 W
96	SPARE	1P20	INC 2.4-KW	0 W

CONSTRUCTION DOCUMENTS

ELECTRICAL DETAILS

NELSON COUNTY SCHOOLS - WEST CAMPUS

THOMAS NELSON H.S.

PHASE III

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

NELSON COUNTY SCHOOL DISTRICT  
288 WILDCAT LANE  
BARDSTOWN, KENTUCKY 40004



studio kremer architects

3258 Ruckriegel Parkway, Louisville, KY 40299

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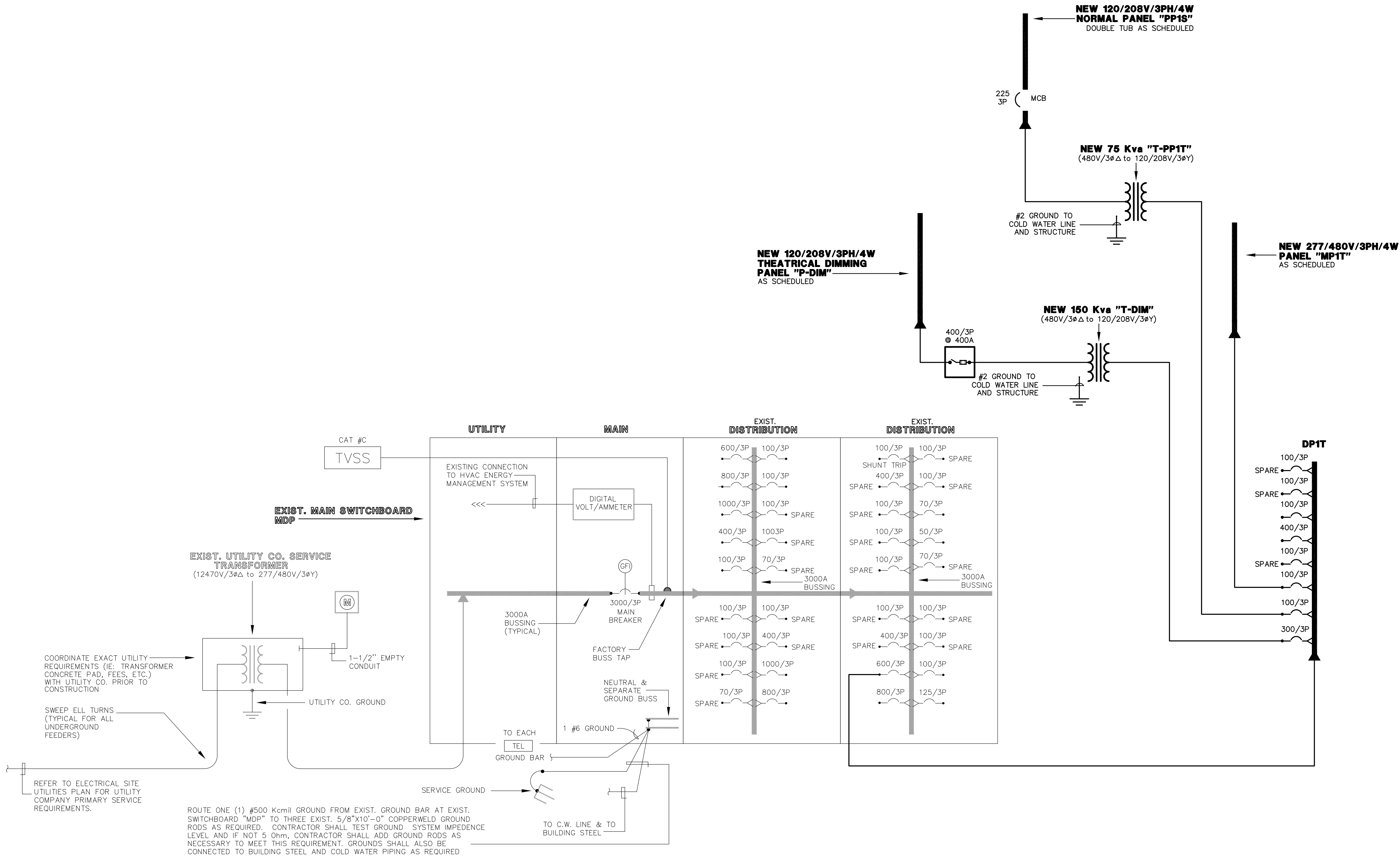
studio

2011-02  
PHASE - 3


E5.4  
HS

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


BG 15-229



CONSTRUCTION DOCUMENTS



studio kramer architects



BRAD PERSON  
26724  
LICENSED PROFESSIONAL ENGINEER

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 SHEPHERDSVILLE ROAD (HWY 245) BARDSTOWN, KENTUCKY 40004

BG 15-229

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

2011-02  
PHASE - 3  
E6.1  
HS

3258 Ruckriegel Parkway, Louisville, KY 40299  
TEL 502.499.1100 FAX 499.1101

PANELBOARD AND WIRING SCHEDULE																				
PANELBOARD: LP1E				AMPERES: 125	VOLTAGE: 277/480	PHASE: 3	WIRE: 4	MANUF.: SQUARE D	TYPE: NF											
GND	CON	LOAD			DESIGNATION	WIRE	BKR	CKT		CKT	BKR	WIRE	DESIGNATION	LOAD			CON	GND		
		A	B	C										A	B	C				
12	3/4"	0.7			ADMIN. CORRIDOR - LTG	12	20/1	1		2	20/1	12	SERVING LINE - LTG	1.7			3/4"	12		
12	3/4"		2.1		ADMIN. OFFICE - LTG	12	20/1	3		4	20/1	12	BAND ROOM - LTG		3.3		3/4"	12		
12	3/4"			1.7	KITCHEN - LTG	12	20/1	5		6	20/1	12	CLASSROOM - LTG			2.2	3/4"	12		
12	3/4"	1.5			LOBBY 194 - LTG	12	20/1	7		8	20/1	12	VOCAL - LTG	1.3			3/4"	12		
12	3/4"		1.8		CORRIDOR "A" - LTG	12	20/1	9		10	20/1	12	MECH 300 - LTG		0.9		3/4"	12		
12	3/4"			0.7	LOBBY 101 - LTG	12	20/1	11		12	20/1	12	CAFETERIA - LTG			3.9	3/4"	12		
					SPARE		20/1	13		14	20/1	12	CAFETERIA - LTG	2.6			3/4"	12		
					SPARE		20/1	15		16	20/1		SPARE							
					SPARE		20/1	17		18	20/1		SPARE							
					SPARE		20/1	19		20	20/1		SPARE							
					SPARE		20/1	21		22	20/1		SPARE							
					SPARE		20/1	23		24	20/1		SPARE							
					SPARE		20/1	25		26	20/1		SPARE							
					SPARE		20/1	27		28	20/1		SPARE							
					SPARE		20/1	29		30	20/1		SPARE							
					SPARE		20/1	31		32	20/1		SPARE							
					SPARE		20/1	33		34	20/1		SPARE							
					SPARE		20/1	35		36	20/1		SPARE							
					SPACE ONLY			37		38			SPACE ONLY							
					SPACE ONLY			39		40			SPACE ONLY							
					SPACE ONLY			41		42			SPACE ONLY							
		2.2	3.9	2.4	SUB-TOTAL		KVA							KVA	SUB-TOTAL		5.6	4.2	6.1	24.4
														KVA	GROSS-TOTAL		7.8	8.1	8.5	
EMERGENCY POWER: NO				MAIN BREAKER:								MAIN LUGS:				A.I.C. RATING: 10,000				
BRANCH:																				

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		2	20/1	12	KITCHEN - LTG	2.3			3/4"	12	
12	3/4"		2.0		CORRIDOR - LTG	10	20/1	3		4	20/1	12	AUDITORIUM - LTG	0.6			3/4"	12	
12	3/4"			0.5	AUDITORIUM EMER. LED	12	20/1	5		6	20/1	12	STAGE - LTG			1.5	3/4"	12	
10	3/4"	6.9			HHP - 120	8	40/3	7		8	30/3	10	DHP-1	3.8			3/4"	10	
---	---		6.9		-----	---	---	9		10	---	---	-----	3.8			---	---	
---	---			6.9	-----	---	---	11		12	---	---	-----			3.8	---	---	
12	3/4"	0.6			P-11	12	20/3	13		14	20/1	12	MECH 300 - LTG	0.4			3/4"	12	
---	---		0.6		-----	---	---	15		16	20/1	12	ELJH-1		3.3		3/4"	12	
---	---			0.6	-----	---	---	17		18	20/1	12	ELJH-1			3.3	3/4"	12	
12	3/4"	1.0			EXTERIOR - LTG	12	20/1	19		20	20/1		SPARE						
					SPARE		20/1	21		22	20/1	12	CAFETERIA - LTG	1.1			3/4"	12	
					SPARE		20/1	23		24	20/1	10	CORRIDOR "D" - LTG			1.0	3/4"	10	
					SPACE ONLY		20/1	25		26	20/1		SPACE ONLY						
					SPACE ONLY		20/1	27		28	20/1		SPACE ONLY						
					SPACE ONLY		20/1	29		30	20/1		SPACE ONLY						
								31		32									
								33		34									
								35		36									
								37		38									
								39		40									
								41		42									
		8.5	9.5	8.0	SUB-TOTAL		KVA							KVA	SUB-TOTAL		6.5	8.8	9.7
												KVA	GROSS-TOTAL		15.0	18.3	17.7	51.0	
EMERGENCY POWER:		YES						MAIN BREAKER:											
BRANCH:		LIFE SAFETY						MAIN LUGS:				YES				A.I.C. RATING: 10,000			

PANELBOARD AND WIRING SCHEDULE - (Double Tub, Double Trim)																				
PANELBOARD:		PP1T			AMPERES:	225	VOLTAGE	120/208 <th>PHASE:</th> <td>3</td> <th>WIRE:</th> <td>4</td> <th>MANUF.:</th> <th>SQUARE D</th> <th>TYPE:</th> <td>NQ00<th colspan="4"></th></td>	PHASE:	3	WIRE:	4	MANUF.:	SQUARE D	TYPE:	NQ00 <th colspan="4"></th>				
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			MEDH. 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	VISTIBULE/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	MORORIZED 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							
					SPARE			23		24	20/1		SPARE							
					SPARE			25		26	20/1		SPARE							
					SPARE			27		28	20/1		SPARE							
					SPARE			29		30	20/1		SPARE							
					SPARE			31		32	20/1		SPARE							
					SPARE			33		34	20/1		SPARE							
					SPARE			35		36	20/1		SPARE							
					SPACE ONLY			37		38			SPACE ONLY							
					SPACE ONLY			39		40			SPACE ONLY							
					SPACE ONLY			41		42			SPACE ONLY							
		3.2	3.8	2.8	SUB-TOTAL	KVA							KVA	SUB-TOTAL	1.8	2.6	1.8			
													KVA	GROSS-TOTAL	5.0	6.4	4.4	15.8		
EMERGENCY POWER		NO			MAIN BREAKER				225/3P											
BRANCH:						MAIN LUGS:				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	OKT	OKT	BKR	WIRE	DESIGNATION	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	8.1		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		3/4"	10		
---	---		0.6		-----	---	---	9		10	---	---	-----		5.0	---	---		
---	---			0.6	-----	---	---	11		12	---	---	-----			5.0	---		
12	3/4"	1.5			BH-1	12	20/3	13		14	20/3	12	P-2, AUDITORIUM NORTH	0.6		3/4"	12		
---	---		1.5		-----	---	---	15		16	---	---	-----		0.6	---	---		
					SPARE		20/1	17		18	---	---	-----			0.6	---		
12	3/4"	1.6			BH-2	12	20/3	19		20	20/1	12	AUDITORIUM - LTG	1.2		3/4"	12		
---	---		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		
												KVA	GROSS-TOTAL	25.6	24.4	22.9	92.9		
EMERGENCY POWER		NO				MAIN BREAKER				YES		A.I.C. RATING: 18,000							
BRANCH:						MAIN LUGS:													