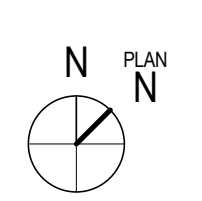




VICINITY MAP



ACCESSIBLE MOUNTING HEIGHTS

	ADULT		SECTION
<b>WATER CLOSET</b>			
TOP OF SEAT	17"-19"		604.4
FLUSH CONTROLS	15" MIN-48" MAX		604.6/309.3/308
<b>URINAL</b>			
RIM OF BASIN	17" MAX		605.2
FLUSH CONTROLS	15" MIN-48" MAX		604.6/309.3/308
<b>LAVATORY/SINKS</b>			
RIM OR COUNTER SURFACE	34" MAX		606.3
APRON CLEARANCE	27" MIN		306
KNEE CLEARANCE	27" MIN		306.3
TOE CLEARANCE	9" MIN		306.2
<b>DRINKING FOUNTAIN</b>			
SPOUT HEIGHT	36" MAX		602.4
KNEE CLEARANCE	27" MIN		306.3
TOE CLEARANCE	9" MIN		306.2
<b>DRINKING FOUNTAIN (BENDING DISABLED)</b>			
SPOUT HEIGHT	38"-43"		602.7
<b>GRAB BARS</b>			
TOP OF BAR	33" MIN-36" MAX		609.4
<b>MIRROR</b>			
BOTTOM OF REFLECTIVE SURFACE (above counters & lavs.)	40" MAX		603.3
TOP OF REFLECTIVE SURFACE	74" MIN		603.3
<b>SHOWER STALL</b>			
TOP OF SEAT	17" MIN-19" MAX		610.2
SHOWER SPRAY UNIT HEIGHT (FIXED)	48" MAX		608.6
SHOWER SPRAY UNIT HEIGHT (HAND HELD)	48" MAX		608.6
<b>CONTROLS AND OPERATING MECHANISMS</b>			
TOWEL DISPENSER	48" MAX		308
SOAP DISPENSER	48" MAX		308
HAND DRYER	48" MAX		308
TOILET TISSUE DISPENSER	15"-48" MAX		604.7
SANITARY NAPKIN DISPENSER/RECEPTACLE	48" MAX		308
TOILET SEAT COVER DISPENSER	48" MAX		308
<b>ELECTRICAL DEVICES</b>			
ELECTRICAL, PHONE AND DATA OUTLETS (TO CENTER)	17" MIN-48" MAX		308.2.1
ABOVE COUNTER OUTLETS (TO CENTER)	44" MAX		308.2.2
LIGHT SWITCHES (HIGHEST OPERABLE PART)	48" MAX		308
FIRE ALARM PULL (HIGHEST OPERABLE PART)	48" MAX		308
THERMOSTATS (HIGHEST OPERABLE PART)	48" MAX		308
<b>FIRE EXTINGUISHER CABINETS (T.O.HANDLE/OPER. DEVICE)</b>	48" MAX		308.3.1
<b>PUBLIC TELEPHONE (TO HIGHEST OPERABLE PART)</b>	48" MAX		308
<b>RAMP AND STAIRS</b>			
TOP OF HANDRAILS	34"-38"		505.4
<b>ELEVATORS</b>			
HALL CALL BUTTON	48" MAX		407.2.1.1/308
HALL LANTERNS	72" MIN		407.2.2.2
<b>DRESSING AND FITTING ROOMS</b>			
TOP OF BENCH	17" MIN-19" MAX		903.5
<b>FOOD SERVICE LINES</b>			
TOP OF TRAY SLIDE	28" MIN-34" MAX		904.5.2

PROJECT DATA AND CODE INFORMATION

PROJECT DATA				
PROJECT NAME:	Cleburne ISD Training Room Modifications			
PROJECT ADDRESS:	505 N. RIDGEWAY DR., CLEBURNE, TEXAS 76033			
OWNER:	Cleburne Independent School District			
APPLICABLE CODES				
NOTE: INCLUDED IN SPECIFICATION SECTION 014100 REGULATORY REQUIREMENTS				
BUILDING CODE:	ENTER BUILDING CODE			
ACCESSIBILITY CODE:	ENTER DISABILITY CODE			
ELECTRICAL CODE:	ENTER ELECTRICAL CODE			
ENERGY CODE:	ENTER ENERGY CODE			
FIRE CODE:	ENTER FIRE CODE			
MECHANICAL CODE:	ENTER MECH CODE			
PLUMBING CODE:	ENTER PLUMBING CODE			
REGIONAL OR MUNICIPAL CODE:	ENTER REGIONAL CODE			
LIFE SAFETY INFORMATION				
REFERENCE				
USE OR OCCUPANCY CLASSIFICATION				
OCCUPANCY:	ENTER BUILDING OCCUPANCY CLASS.			
TYPE OF CONSTRUCTION				
CONSTRUCTION TYPE:	ENTER CONSTRUCTION TYPE			
FIRE PROTECTION REQUIREMENTS				
BEARING WALLS: INT./EXT.	-			
NONBEARING WALLS: INT./EXT.	-			
ROOF / CEILING:	-			
FLOOR / CEILING:	-			
STRUCTURAL FRAME / COLUMNS:	-			
RATED SEPARATIONS:	-			
DESIGN LIMITATIONS				
	MAX. ALLOWED	MAX. PROVIDED		
HEIGHT:	0"	0"		
AREA:	0 SF	0 SF		
MEANS OF EGRESS				
	MAX. ALLOWED	MAX. PROVIDED		
TRAVEL DISTANCE TO EXIT:	0"	0"		
TOTAL OCCUPANT LOAD:	0	0		
EGRESS WIDTH PER OCCUPANT				
	MIN. ALLOWED	PROVIDED		
0.2' STAIRS:	0"	0"		
0.15' DOORS:	0"	0"		
PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)				
	MALE		FEMALE	
	# REQUIRED	# PROVIDED	# REQUIRED	# PROVIDED
WATER CLOSETS:	-	-	-	-
URINALS:	-	-	-	-
LAVATORIES:	-	-	-	-
SHOWERS:	-	-	-	-
OTHER:	-	-	-	-
NON GENDER SPECIFIC				
	REQUIREMENT	# REQUIRED	# PROVIDED	
SERVICE SINK:	-	-	-	
DRINKING FOUNTAINS:	-	-	-	

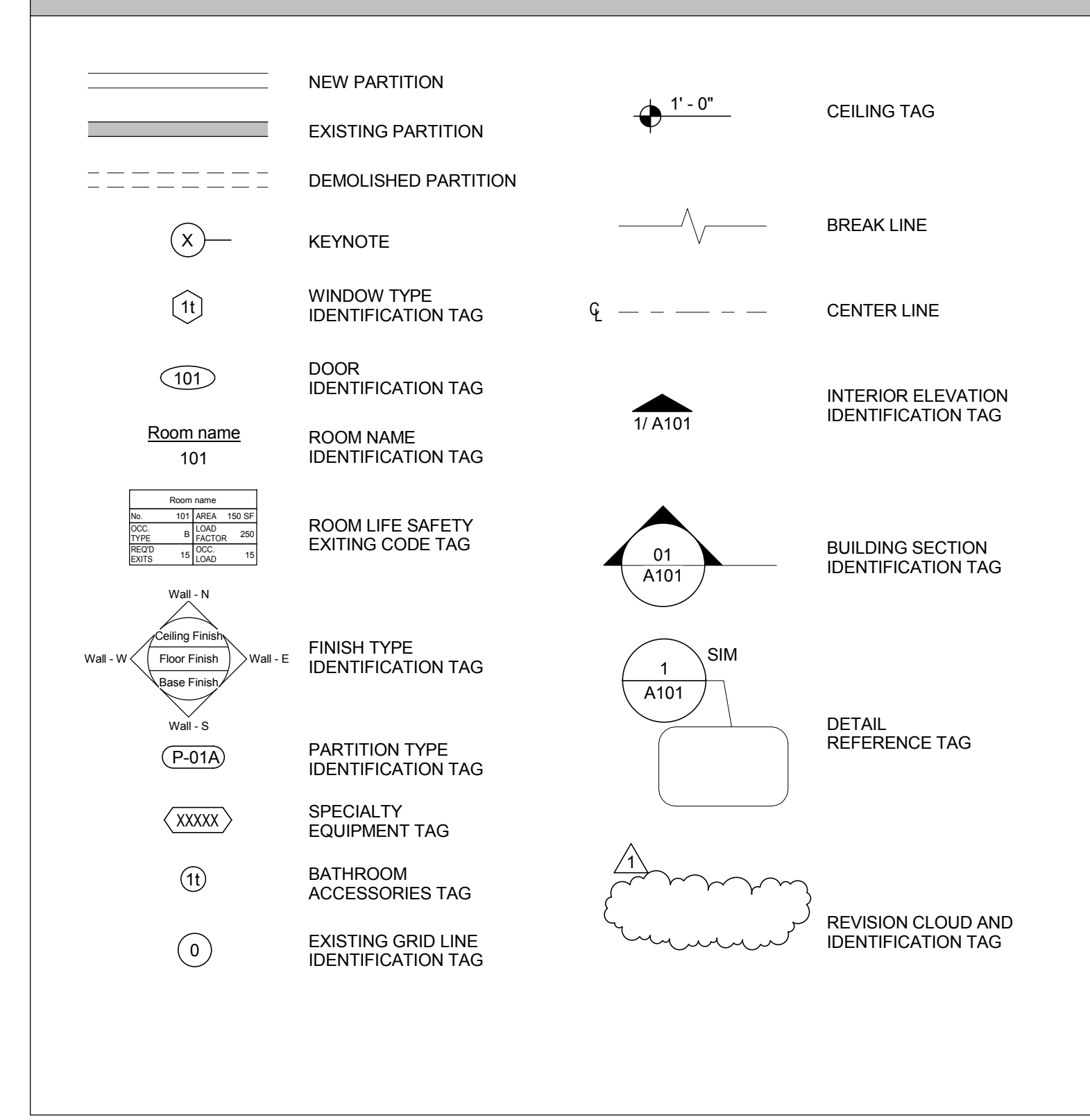
STANDARD ABBREVIATIONS

A.D.	AREA DRAIN	E.	EAST	INV.	INVERT	RESIL.	RESILIENT
A.F.F. OR AFF	ABOVE FINISH FLOOR	E.J.	EXPANSION JOINT	JAN. CLO.	JANITOR CLOSET	REV.	REVISION
A.P.	ACCESS PANEL	E.S.	EXPOSED STRUCTURE	JAN.	JANITOR	RFL.	REFLECTED
A.C.	AIR CONDITIONING	E.W.	EACH WAY	JST.	JOIST	RM.	ROOM
ABV.	ABOVE	E.W.C.	ELECTRIC WATER COOLER	JT.	JOINT	S.	SOUTH
ACOUS.	ACOUSTICAL	EA	EACH	L	LEG	S.C.	SOLID CORE
ACP	ACOUSTICAL CEILING PANEL	EL. OR ELEV.	ELEVATION	LAB.	LABORATORY	S.H.	SPRINKLER HEAD
ADDL.	ADDITIONAL	ELEC. OR ELECT.	ELECTRICAL	LAM.	LAMINATE	S.S.	STAINLESS STEEL
ADJ.	ADJUSTABLE OR ADJACENT	EMERG. OR EMER.	EMERGENCY	LAV.	LAVATORY	SAN.	SANITARY
AL.	ALUMINUM	ENCL.	ENCLOSURE	EQ.	EQUAL	SCHED. OR SCHED.	SCHEDULE
ANCH.	ANCHOR	EQ.	EQUIP.	LKR	LOCKER	SEC.	SECTION
APPROX.	APPROXIMATE	EXIST.	EXISTING	LT.	LIGHT	SEW.	SEWER
ARCH.	ARCHITECTURAL	EXP. OR EXPAN.	EXPANSION	M.	METER	SGL.	SINGLE
ASS'Y.	ASSEMBLY	EXT.	EXTERIOR	M.H.	MANHOLE	SHT.	SHEET
ATC	ACOUSTICAL CEILING TILE	F.A.	FIRE ALARM	M.O.	MASONRY OPENING	SHWR.	SHOWER
AUTO.	AUTOMATIC	F.D.	FLOOR DRAIN	MATL.	MATERIAL	SIM.	SIMILAR
AWC	ACOUSTICAL WALL PANELS	F.E.	FIRE EXTINGUISHER	MAX.	MAXIMUM	SPEC. OR SPECS.	SPECIFICATION(S)
B.L.	BUILDING LINE	F.E.C.	FIRE EXTINGUISHER CABINET	MBL.	MARBLE	SPKR	SPEAKER
B.O.	BOTTOM OF	F.H.C.	FIRE HOSE CABINET	SO.	SQUARE	SO.	SQUARE
BD.	BOARD	F.H.R.	FIRE HOSE REEL	SO. FT. OR S.F.	SQUARE FOOT (FEET)	SO. FT. OR S.F.	SQUARE FOOT (FEET)
BLDG.	BUILDING	F.H.T.	FULL HEIGHT	MEMB.	MEMBRANE	SO. YD. OR S.Y.	SQUARE YARD(S)
BLK.	BLOCK	F.O.C.	FACE OF CONCRETE	MEP.	MECHANICAL, ELECTRICAL, PLUMBING	STA.	STATION
BM.	BEAM	F.O.F.	FACE OF FINISH	MFG.	MANUFACTURER	STD.	STANDARD
BOT.	BOTTOM	F.O.S.	FACE OF STUD	MIN.	MINIMUM	STL.	STEEL
BRK.	BREAK	F.S.	FULL SIZE	MIR.	MIRROR	STR.	STRUCTURE OR STRUCTURAL
BRKT.	BRACKET	F.V.C.	FIRE VALVE CABINET	MISC.	MISCELLANEOUS	STRUC.	STRUCTURE OR STRUCTURAL
BSMT.	BASEMENT	FDN.	FOUNDATION	MTD.	MOUNTED	SUSP.	SUSPENDED
BTWN.	BETWEEN	FIN.	FINISH	MTL.	METAL	SYM.	SYMMETRICAL
C.B.	CATCH BASIN	FL. OR FLR.	FLOOR	MUL.	MULLION	T&G	TONGUE & GROOVE
C.G.	CORNER GUARD	FLASH.	FLASHING	N.	NORTH	T.	TONGUE
C.I.	CAST IRON	FLUOR.	FLUORESCENT	N.I.C.	NOT IN CONTRACT	T. OR TEMP.	TEMPERED
C.I.P.	CAST IN PLACE	FR.	FRAME	N.T.S.	NO TO SCALE	T.O.C.	TOP OF CONCRETE
C.J.	CONTROL JOINT	FRP.	FIBERGLASS REINFORCED PLASTIC	NO.	NUMBER	T.O.CMU	TOP OF CMU
C.O.	CLEAR OPENING	FSTNR.	FASTENER	NOM.	NOMINAL	T.O.D.	TOP OF DECK
C.T.	CERAMIC TILE	FT.	FOOT OR FEET	O.C.	ON CENTER	T.O.O.	TOP OF
CAB.	CABINET	FTG.	FOOTING	O.D.	OUTSIDE DIAMETER/DIMENSION	T.O.P.	TOP OF PARAPET
CAT.	CATEGORY	FUR.	FUTURE	OFF.	OFFICE	T.O.S.	TOP OF STEEL
CER.	CERAMIC	FUT.	FUTURE	OPNG.	OPENING	T.O.S.S.	TOP OF STRUCTURAL SLAB
CLG.	CEILING	G.B.	GRAB BAR	OPP.	OPPOSITE	T.V.	TELEVISION
CLO.	CLOSET	G.C.	GENERAL CONTRACTOR	OPP.HD.	OPPOSITE HAND	TEL.	TELEPHONE
CLR.	CLEAR	GA.	GALVANIZED	OPND.	OVERHEAD	THK.	THICK
CMU	CONCRETE MASONRY UNIT	GALV.	GALVANIZED	OZ.	OUNCE	TLT.	TOILET
COL.	COLUMN	GFRG.	GLASS FIBER REINFORCED GYPSUM	P.C.	PRECAST CONCRETE	TYP.	TYPICAL
CONC.	CONCRETE	GL.	GLASS	P.LAM.	PLASTIC LAMINATE	U.N.O.	UNLESS NOTED OTHERWISE
CONN.	CONNECTION	GND.	GROUND	P.V.	PAVING	UNF.	UNFINISHED
CONST.	CONSTRUCTION	GR.	GRADE	PC.	PIECE	UR.	URINAL
CONT.	CONTINUOUS	GRN.	GRANITE	PL.	PLATE	V.F.	VERIFY IN FIELD
CONTR.	CONTRACTOR	GSH.	GYPSUM SHAFT WALL	PLAS.	PLASTIC	V.B.	WEATHER BARRIER
CORR.	CORRIDOR	GYP. BD.	GYPSUM BOARD	PLBG.	PLUMBING	W.C.	WATER CLOSET
CPT.	CARPET TILE	H.B.	HOSE BIB	PLYWD.	PLYWOOD	W.P.	WATERPROOF
CPIT.	CARPET	H.C.	HOLLOW CORE	PMMP.	PREMANUFACTURED METAL PANEL	W.	WITH
CTR.	CENTER	H.K.	HOUSEKEEPING	PNT.	PAINT	WO.	WITHOUT
CTRL.	CONTROL	H.M.	HOLLOW METAL	POL.	POLISHED	WD.	WOOD
D.F.	DRINKING FOUNTAIN	HCP.	HANDICAPPED	PTD.	PAINTED	WDW.	WINDOW
D.O.	DOOR OPENING	HD.	HAND	PTN.	PARTITION	WRGB.	WATER RESISTANT GYP. BOARD
D.P.	DAMP PROOFING	HDW. OR HDWR.	HARDWARE	R.	RADIUS	WSCT.	WAINSCOT
D.S.	DOWNSPOUT	HW.	HARDWOOD	R.D.	ROUGH OPENING	WT.	WEIGHT
DBL.	DOUBLE	HNDRL.	HANDRAIL	R.O.	ROUGH OPENING		
DEMO.	DEMOLITION	HORZ.	HORIZONTAL	RCP.	REFLECTED CEILING PLAN		
DEPT.	DEPARTMENT	HR.	HOUR	REB.	REINFORCING BAR		
DET. OR DTL.	DETAIL	HT.	HEIGHT	REF.	REFERENCE		
DIA. OR DIAM.	DIAMETER	HVAC.	HEATING, VENTILATION, AIR CONDITIONING	REFG.	REFRIGERATOR		
DM.	DIMENSION	I.D.	INSIDE DIAMETER/DIMENSION	REINF.	REINFORCED		
DISP.	DISPENSER	IN.	INCH	REQD.	REQUIRED		
DN.	DOWN	INCL.	INCLUDE(D)ING				
DR.	DOOR	INFD.	INCLUDING				
DRN.	DRAIN	INSUL.	INSULATION				
DWG.	DRAWING	INT.	INTERIOR				
DWGS.	DRAWINGS						
DWR.	DRAWER						

ACCESSIBILITY NOTES

- 01 EXTERIOR ROUTE CONSTRUCTION**
- AN ACCESSIBLE ROUTE, IN THE DIRECTION OF TRAVEL, SHALL NOT HAVE A SLOPE EXCEEDING 1:20 (5/8" PER FOOT) EXCEPT AT A RAMP.
  - AN ACCESSIBLE ROUTE CROSS SLOPE SHALL NOT EXCEED 1:48 (1/4" PER FOOT).
  - ALL NEW PAVING AND WALKS FOR AN ACCESSIBLE ROUTE, SHALL NOT HAVE AN ABRUPT CHANGE IN SURFACE LEVEL (VERTICALLY) GREATER THAN 1/4" WHEN ABUTTING EITHER EXISTING OR OTHER NEW SURFACES DESIGNATED FOR AN ACCESSIBLE ROUTE.
  - AN ACCESSIBLE ROUTE CROSSING OR PARALLELING A HAZARDOUS AREA, SHALL BE CLEARLY MARKED IN A CONTRASTING COLOR, WITH THE ROUTE LOCATION, MARKING MATERIALS AND COLOR SHOWN ON THE DRAWING.
  - ANY OPENINGS THAT ARE CONSTRUCTED IN THE SURFACE OF AN ACCESSIBLE ROUTE SHALL HAVE THE OPENINGS RUNNING PERPENDICULAR TO THE DIRECTION OF TRAVEL WITH THE OPENINGS DIMENSION NOT TO EXCEED 1/2" IN THE DIRECTION OF TRAVEL.
- 02 CURB RAMPS**
- THE TOP AND BOTTOM OF THE RAMP AT THE TRANSITION TO EITHER EXISTING OR NEW SURFACES, SHALL BE FLUSH AND FREE OF ANY ABRUPT VERTICAL CHANGES.
  - THE SURFACE FINISH OF THE RAMP, EITHER RAISED OR RECESSED AS PERMITTED BY ACCESSIBILITY CODES AND GUIDELINES, SHALL BE INSTALLED TO PERMIT WATER DRAINAGE.
  - THE RAMP CROSS SLOPE SHALL NOT EXCEED 1:48 (1/4" PER FOOT).
- 03 INTERIOR ROUTE CONSTRUCTION**
- AN ACCESSIBLE ROUTE, IN THE DIRECTION OF TRAVEL, SHALL NOT HAVE A SLOPE EXCEEDING 1:20 (5/8" PER FOOT), EXCEPT AT A RAMP.
  - AN ACCESSIBLE ROUTE CROSS SLOPE SHALL NOT EXCEED 1:48 (1/4" PER FOOT).
  - ALL NEW FLOOR CONSTRUCTION AND FLOORING MATERIALS SHALL NOT HAVE AN ABRUPT VERTICAL CHANGE IN FINISH SURFACE LEVEL GREATER THAN 1/4" WHEN ABUTTING EITHER EXISTING OR NEW SURFACES DESIGNATED FOR AN ACCESSIBLE ROUTE.
- 04 DOORS**
- ANY THRESHOLD SHALL NOT EXCEED 1/2" IN HEIGHT, NOR 1:2 SLOPE.
  - ALL ACCESSIBLE HARDWARE OPERABLE BY THE DISABLED, SHALL NOT EXCEED A HEIGHT OF 4'-0" AFF AND SHALL BE EASILY OPERATED WITH ONE HAND WITHOUT GRASPING, PINCHING OR TWISTING OF THE WRIST.
  - ALL ACCESSIBLE DOORS WITH CLOSERS SHALL HAVE THE CLOSER ADJUSTED SO THAT THE CLOSING TIME, FROM A 70 DEGREE OPEN ANGLE TO WITHIN 3" OF THE JAMB, IS NOT LESS THAN 3 SECONDS.
  - THE OPENING FORCE OF THE ALL ACCESSIBLE DOORS, EXCEPT FIRE EXIT DOORS, SHALL NOT EXCEED 5 POUNDS IN THE DIRECTION OF TRAVEL FOR EXITING.
  - THE OPERABLE HARDWARE ON A DOOR LEADING TO HAZARDOUS AREAS (E.G. BOILER ROOMS, MECHANICAL AND ELECTRICAL ROOMS, OTHER EQUIPMENT ROOMS, AND LOADING DOCK), SHALL HAVE A TEXTURED SURFACE ON THE TOUCHABLE AREA.
- 05 TOILET ROOMS**
- THE FLUSH CONTROL FOR ALL ACCESSIBLE TOILET/URINALS SHALL NOT EXCEED 3'-8" AFF, AND SHALL BE ON THE WIDE (APPROACH) SIDE OF THE TOILET.
  - ACCESSIBLE LAVATORIES SHALL HAVE ALL EXPOSED HOT WATER PIPING AND DRAIN PIPES EITHER INSULATED OR CONFIGURED TO PROTECT AGAINST SKIN CONTACT. THE UNDERSIDE OF THE LAVATORY SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACES.
  - ANY GRAB BAR INSTALLATION SHALL BE ABLE TO SUPPORT 250 POUNDS APPLIED IN ANY DIRECTION.
- 06 SIGNAGE**
- ALL ACCESSIBLE PERMANENT ROOMS AND SPACES, EXIT WAYS AND EXIT STAIRWAYS, SHALL HAVE SIGNAGE THAT MEETS ACCESSIBLE SIGNAGE REQUIREMENTS FOR LETTER SIZE, LETTER AND NUMBER TYPESTYLE, RAISED LETTERS, GRADE 2 BRAILLE, COLOR/CONTRAST, AND LOCATION.
  - ALL ACCESSIBLE TOILET ROOMS SHALL BE DESIGNATED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND ACCESSIBLE TEXT SIGNAGE FOR A PERMANENT ROOM, PLACED DIRECTLY BELOW THE PICTOGRAM SYMBOL. THE SIGNAGE SHALL MEET THE ACCESSIBLE SIGNAGE REQUIREMENTS FOR LETTER SIZE, LETTER AND NUMBER TYPESTYLE, RAISED LETTERS, GRADE 2 BRAILLE, COLOR/CONTRAST, AND LOCATION.
  - ALL ACCESSIBLE PARKING SPACES AND PUBLIC ENTRANCES SHALL BE DESIGNATED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGNAGE REQUIREMENTS FOR LETTER SIZE, LETTER AND NUMBER TYPESTYLE, RAISED LETTERS, GRADE 2 BRAILLE, COLOR/CONTRAST, AND LOCATION.

SHEET SYMBOLS



ISSUES

NO.	DATE	DESCRIPTION
1	07/01/2016	100% ISSUE FOR CONSTRUCTION
2		
3		
4		
5		
6		
7		
8		
9		
10		

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		



07/01/2016

Cleburne ISD Training Room Modifications  
 505 N. RIDGEWAY DR., CLEBURNE, TEXAS 76033

STANDARDS AND CODE INFORMATION

JOB 15333.0000  
 DATE 07/01/16  
 SHEET

G00-10

# STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS 2012 IBC

## STATEMENT OF SPECIAL INSPECTIONS NOTES:

This Statement of Special Inspections is submitted in accordance with Section 1704 of the 2012 International Building Code (referenced heretofore as Code). It includes a Schedule of Special Inspection Services applicable to the Project. If applicable, it includes Requirements for Seismic Resistance and/or Requirements for Wind Resistance.

The Owner shall employ one or more qualified Special Inspectors to perform this work. The Special Inspector(s) shall keep records of all inspections and shall furnish interim inspection reports to the Building Official and to the Registered Design Professional in Responsible Charge. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge prior to completion of that phase of work. A Final Report of Special Inspections documenting required special inspections and corrections of any discrepancies noted in the inspections shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge at the conclusion of the project.

The Special Inspection program does not relieve the Contractor of responsibility to comply with the Contract Documents. Jobsite safety and means and methods of construction are solely the responsibility of the Contractor.

See specifications for additional testing requirements. Where conflicts occur, the most stringent requirement shall control.

### INSPECTION OF FABRICATORS:

Where fabrication of structural load-bearing members and assemblies is being performed on the premises of a fabricator's shop, special inspection of the fabricated items shall be required by Section 1704.2 and as required elsewhere in the Code.

### INSPECTION OF WELDING:

Welding inspection shall be in compliance with AWS D1.1. The basis for welding inspector qualification shall be AWS D1.1.

### INSPECTION OF STRUCTURAL STEEL:

Special inspection of structural steel shall be in accordance with the quality assurance inspection requirements of AISC 360.

SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.2.2 REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL			
CHECK IF REQD	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
<input type="checkbox"/>	1. Material verification of cold-formed steel deck: a. Identification markings to conform to ASTM standards specified in the approved construction documents. b. Manufacturer's certified test reports.	---	X
<input type="checkbox"/>	2. Inspection of welding: a. Cold-formed steel deck: 1) Floor and roof deck welds.	---	X
<input type="checkbox"/>	b. Reinforcing steel: 1) Verification of weldability of reinforcing steel other than ASTM A706.	---	X
<input type="checkbox"/>	2) Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement.	X	---
<input type="checkbox"/>	3) Shear reinforcement.	X	---
<input checked="" type="checkbox"/>	4) Other reinforcing steel.	---	X

SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.3: REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION			
CHECK IF REQD	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
<input checked="" type="checkbox"/>	1. Inspection of reinforcing steel, including prestressing tendons, and placement.	---	X
<input type="checkbox"/>	2. Inspection of reinforcing steel welding in accordance with Table 1705.2.2, Item 2b.	---	---
<input type="checkbox"/>	3. Inspection of anchors cast in concrete where allowable loads have been increased or where strength design is used.	---	X
<input checked="" type="checkbox"/>	4. Inspection of anchors post-installed in hardened concrete members.	---	X
<input checked="" type="checkbox"/>	5. Verifying use of required design mix.	---	X
<input checked="" type="checkbox"/>	6. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	---
<input checked="" type="checkbox"/>	7. Inspection of concrete and shotcrete placement for proper application techniques.	X	---
<input type="checkbox"/>	8. Inspection for maintenance of specified curing temperature and techniques.	---	X
<input type="checkbox"/>	9. Inspection of prestressed concrete: a. Application of prestressing forces. b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.	X	---
<input type="checkbox"/>	10. Erection of precast concrete members.	---	X
<input type="checkbox"/>	11. Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	---	X
<input type="checkbox"/>	12. Inspection formwork for shape, location, and dimensions of the concrete member being formed.	---	X

SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.6: REQUIRED VERIFICATION AND INSPECTION OF SOILS			
CHECK IF REQD	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
<input type="checkbox"/>	1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	---	X
<input type="checkbox"/>	2. Verify excavations are extended to proper depth and have reached proper material.	---	X
<input type="checkbox"/>	3. Perform classification and testing of compacted fill materials.	---	X
<input checked="" type="checkbox"/>	4. Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill.	X	---
<input type="checkbox"/>	5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly.	---	X

### SECTION 3 - STRUCTURAL CONCRETE

#### SECTION 3.2 - STEEL REINFORCING

##### STEEL REINFORCING

3.2.1 All bars shall be deformed in accordance with ASTM A615.

3.2.2 Strength of reinforcing bars shall be Grade 60.

##### LAPPED SPLICE LENGTHS

3.2.3 Lap reinforcing 30 bar diameters or 12 inches, whichever is greater, at splices unless noted or detailed otherwise.

##### CONCRETE COVER TO REINFORCING

3.2.4 Clearance from face of concrete to face of reinforcing: See soil-supported slabs for cover to reinforcing

##### PLACEMENT OF REINFORCING

3.2.5 Place first bar of slab reinforcing parallel to side 2 inches from a free edge or half of required bar spacing from face of edge beam.

## SECTION 1 - GENERAL INFORMATION AND DESIGN CRITERIA

### SECTION 1.1 - DOCUMENTS

1.1.1 Structural Drawings are not stand-alone documents.

1.1.2 General Notes and Typical Details apply generally throughout the project wherever conditions similar to those depicted exist and are not necessarily referenced specifically in the documents.

1.1.3 Structural documents are protected by U.S.A. Copyright Laws, and shall not be used for any purpose other than construction of the building described in the Architectural documents and at the geographic location shown. The structural design described in these documents is not valid for any other purpose, use or location.

### COORDINATION

1.1.4 Contractor is responsible for coordinating Structural Documents with other trades and disciplines including mechanical and HVAC. Some requirements are not known prior to issue and may change as layout and fabrication drawings are developed. Promptly report deviations and interferences with structural components for resolution by the Engineer.

1.1.5 Verify weights, location and details of structurally supported mechanical equipment prior to construction of the supporting structure. Report deviations from assumed conditions to the Engineer prior to fabricating materials.

1.1.6 Verify the location, size and detail of roof openings and curbs for mechanical equipment prior to fabricating materials. Report deviations from assumed conditions to the Engineer before proceeding with work.

1.1.7 Verify location and size of roof penetrations and for mechanical components.

1.1.8 Do not scale plans, details and sections for quantity, length or fit of materials.

1.1.9 Contractor shall verify structural components, dimensions, plumbness and squareness of existing structures supporting new roof top equipment.

### SECTION 1.2 - CODES AND STANDARDS

1.2.1 Building Code of jurisdiction : 2012 IBC

1.2.2 Structural Concrete Code - American Concrete Institute (ACI) (ACI 318-11)

1.2.3 Structural Steel Code - American Institute of Steel Construction (Fourteenth edition)

1.2.4 See Statement of Structural Special Inspections on this sheet and technical specifications for special inspection requirements.

### SECTION 1.3 - DESIGN CRITERIA

1.3.1 Live Loads  
Typical Ground Level Slab 100 psf

1.3.2 Wind Loads  
Interior renovation will not affect lateral resisting system.

1.3.3 Seismic Design Parameters  
Interior renovation will not affect lateral resisting system.

### SECTION 3.4 - CONCRETE MIX DESIGNS

3.4.1 Concrete Mix Schedule:  
a) "HRC" refers to hardrock concrete having air dry unit weight of approximately 145 PCF.  
b) Where w/c ratio is not indicated in the Concrete Mix Schedule, it shall be as necessary to meet strength requirements.  
c) Where the w/c ratio is shown, it shall be adhered to regardless of strength requirements.  
d) "Strength" is required compressive cylinder strength at an age of 28 days.

Notes:  
(1) Maximum fly ash content 20% of total cementitious content.  
(2) Provide super plasticizer as required to meet strength requirements and flowability within the forms.

3.4.2 Mix Usage Schedule:  
Description of Use Concrete Class Air Content  
Soil supported slabs A 3-6%

SUBMITTALS  
3.4.3 Submit mix design(s) for review and approval. Indicate admixtures, cementitious material, and sample ready-mixed concrete delivery tickets in accordance with ASTM C94 for each class of concrete.

3.4.4 Soil Supported Slabs  
Location Thickness Reinforcing  
Trenching Infill 5 inches #3 @ 12 EW

3.4.2 Subgrade modification below trenching infill slabs:  
See plumbing for backfilling around pipe. At slab bearing, Compact existing fill material to a minimum dry density of 95 percent of Standard Proctor. The compacted moisture content shall be between 2 and 4 percentage points above optimum moisture content.

SECTION 5 - STRUCTURAL STEEL

SECTION 5.1 - STRUCTURAL FRAME

5.1.1 Structural Steel Properties:  
Structural Steel (High Strength) ASTM A992  
Use for Wide Flange Beams and WT Shapes  
Structural Steel (Normal Strength) ASTM A36  
Use for Angles, Channels, and Plates  
High Strength Bolts ASTM A325N

5.1.2 Welding shall comply with AWS D1.1.

5.1.3 Angles, plates, rods, and miscellaneous framing shall be welded at contact joints and supports. Weld sizes shall conform to AWS D1.1 minimums, except where noted otherwise.

5.1.4 Where fillet weld sizes are not indicated on weld symbols, fillet size shall be 1/16th inch smaller than thickness of thinner of materials being joined.

5.1.5 Bolts indicated on details shall be 3/4 inch diameter, unless noted otherwise.

5.1.6 Bolts shall be tightened by the AISC "Snug Tight" method unless noted otherwise.

SUBMITTALS  
5.1.7 Submit detailed shop and installation drawings showing shop and erection details including member sizes, grades of materials, connections, fabrication, and erection.

# GENERAL NOTES

DETAIL SHEET LAYOUT					
DETAIL REFERENCE NUMBER					
21	17	13	9	5	1
22	18	14	10	6	2
23	19	15	11	7	3
24	20	16	12	8	4

## DETAIL SHEET LAYOUT

AB	Anchor Bolt	K-FT	Kip-Foot (Moment)
ADOL	Additional	LB	Pound-Force
ADJ	Adjacent	LLB	Long Leg Back-to-Back
AESS	Architectural Exposed Structural Steel	LLH	Long Leg Horizontal
ARCH	Architectural	LLV	Long Leg Vertical
BL	Building Line	LSH	Long Side Horizontal
BLD	Building	LSV	Long Side Vertical
BLK	Block	LT	Left
BM	Beam	M	Moment
BOT	Bottom	MAX	Maximum
BRG	Bearing	MECH	Mechanical
BTWN	Between	Mech/Plumbing	Mech/Plumbing
C	Channel	MFR	Manufacturer
CFMF	Cold-Formed Metal Framing	MIN	Minimum
CGS	Center of Gravity of Slab	MRK	Mark
CIP	Cast-in-Place	MTL	Metal
CL	Construction Joint	NIC	Not in Contact
CL	Center Line	NO	Number
CMU	Concrete Masonry	NS	Near Side
COL	Column	NSG	Non-Shrink Grout
CONP	Compression	NTS	Not to Scale
CONC	Concrete	OC	On Center
CONN	Connection	OF	Outside Face
CONSTR	Construction	OP HD	Opposite Hand
COORD	Coordinate	OPEN	Opening
CTR	Center	P	Plan (form)
CW	Curtain Wall	P-T	Post-Tensioning
db	Bar Diameter(s)	PCC	Precast Concrete
DBA	Deformed Bar Anchor	PEN	Penetration
DEG	Degree(s)	PI	Plasticity Index
DET	Detail	PIL	Plaster
DIA or Ø	Diameter	PL	Plate
DIM	Dimension	PNL	Panel
DWG	Drawing	PSF	Pounds Per Square Foot
DWL	Dowel	PSI	Pounds Per Square Inch
EA	Each	PT	Point
EJ	Expansion Joint	RECT	Rectangle(s)
ELEV	Elevation	REF	Refer (to)
ENGR	Engineer	REIN	Reinforcing
EQU	Equal	REQD	Required
EW	Each Way	RT	Right
EXP BT	Expansion Bolt	SC	Skip-Critical
EXT	Exterior	SCHED	Schedule
F	Force (Axial)	SECT	Section
FABR	Fabricator	SH	Sheet
FDN	Foundation	SIM	Similar
FIN	Finish	SOG	Slab-on-Grade
FIN FLR	Finish Floor	SPA	Spacing
FLR	Floor	SPEC	Specifications
FS	Far Side	SQ	Square
FV	Field Verify	ST	Stimulus
GC	General Contractor	STD	Standard
GN	General Notes	STIF	Stiffener
GR	Grade	STL	Steel
GR BM	Grade Beam	STRUCT	Structural
HORIZ, H	Horizontal	SUPPT	Support
HSA	Headed Stud Anchor	SYMM	Symmetrical
HSS	Hollow Structural Section	T	Tension
HT	Height	T&B	Top and Bottom
IF	Inside Face	TEMP	Temperature
INFO	Information	TOC	Top of Concrete
INT	Interior	TOF	Top of Footing
INTERM	Intermediate	TOJ	Top of Joist
JST	Joint	TOP	Top of Pier
K	Kip (1,000 pounds)	TOS	Top of Steel
		W	Width
		WP	Working or Work Point

## STANDARD ABBREVIATIONS

### SYMBOL LEGEND

SPOT ELEVATIONS ARE RELATIVE TO DATUM ELEVATION 100'-0"

- TOP OF CONCRETE ELEVATION
- TOP OF WALL ELEVATION
- TOP OF STEEL ELEVATION (BOTTOM OF METAL DECK)
- SPOT ELEVATION

- LEVEL ELEVATION (RELATIVE TO DATUM ELEVATION 100'-0")
- CONCRETE MASONRY WALL
- BEAM SPLICE (LENGTH GIVEN FROM COLUMN CENTERLINE TO CENTERLINE OF SPLICE IN FEET AND INCHES)
- COMPLETE PENETRATION MOMENT CONNECTION

**L.A. FUESS PARTNERS, INC.**  
Structural Engineers  
3333 Lee Parkway, Suite 300 • Dallas, TX 75219  
314.871.7000 • www.lafp.com  
LAFP PROJECT NO. 15289 FIRM REG. NO. F-537



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Dallas, TX 75202  
T: 214.748.2000 F: 214.663.6281

## ISSUES

NO.	DATE	DESCRIPTION
1	7/11/2016	ISSUE FOR CONSTRUCTION

## REVISIONS

NO.	DATE	DESCRIPTION
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**Cleburne ISD Training Room Modifications**  
 505 N. RIDGEWAY DR., CLEBURNE, TEXAS 76033

## GENERAL NOTES

JOB 15333.0000  
DATE 4/15/2016  
SHEET

# S01-01



GENERAL RCP NOTES

- 1. REFERENCE 000-20 FOR STANDARDS, CODE INFORMATION AND ADDITIONAL LEGENDS.
2. ALL PLANS IN THE IA02-00 SERIES SHALL REFERENCE RCP KEY NOTES ON IA02-02A.
3. PLEASE NOTE, NOT ALL GENERAL REFLECTED CEILING PLAN OR SPECIFIC KEY NOTES WILL BE USED ON EACH REFLECTED CEILING PLAN SHEET IN THE IA02-00 SERIES. ANY KEY NOTE NOT USED ON THE SHEET SHOULD BE DISREGARDED FOR THAT AREA.

ADDITIONAL OPTIONS TO CONSIDER

- 1. NUMBER 5 NOTE ABOVE COULD ALSO SAY ALL TRADES TO PROVIDE TEMPORARY LIGHTING FOR THEMSELVES. ILLUMINATE SPACE, NOT JUST IMMEDIATE AREA.
2. MATCH EXISTING CEILING HEIGHTS FOR NEW CEILING UNITS U.O.
3. GC TO ENSURE SEAMLESS TRANSITION BETWEEN THE EXISTING AND NEW CEILING GRID AND TILE.

GENERAL FINISH NOTES

- 1. REFERENCE 000-20 FOR STANDARDS, CODE INFORMATION AND ADDITIONAL LEGENDS.
2. ALL PLANS IN THE IA09-00 SERIES SHALL REFERENCE FINISH KEY NOTES ON IA09-02A.
3. PLEASE NOTE, NOT ALL GENERAL FINISH OR SPECIFIC KEY NOTES WILL BE USED ON EACH FINISH FLOOR PLAN SHEET IN THE IA09-00 SERIES. ANY KEY NOTE NOT USED ON THE SHEET SHOULD BE DISREGARDED FOR THAT AREA.

ADDITIONAL OPTIONS TO CONSIDER

- 1. FINISHES ARE EXISTING TO REMAIN U.O.
2. FINISH PLANS ARE CLARIFICATIONS OF ROOM FINISH SCHEDULES ON SHEETS IA09-00. REF. ROOM FINISH SCHEDULE FOR COORDINATION.
3. REFERENCE THIS SHEET FOR FINISH SCHEDULE.

GENERAL DOOR NOTES

- 1. REFERENCE SPECIFICATIONS FOR ADDITIONAL DOOR AND DOOR HARDWARE INFORMATION.
2. GC TO PREP ALL HARDWARE SUBMITTALS WITH 130.00.
3. GC TO COORDINATE AND REVIEW ALL HARDWARE SUBMITTALS WITH ARCHITECT AND TENANT PRIOR TO PLACING DOOR HARDWARE ORDER.

ADDITIONAL NOTES TO CONSIDER:

DOOR STRIKE AND LEVER TO BE INSTALLED AT 3'-2" TO THE CENTER LINE ABOVE FINISHED FLOOR. DOOR PUSH PULL TO BE INSTALLED AT 3'-5" TO THE CENTER LINE ABOVE FINISHED FLOOR.

TENANT DOORS, FRAMES, AND HARDWARE ALONG PUBLIC CORRIDOR ARE TO MATCH EXISTING BUILDING CORRIDOR STANDARDS, U.O.

REUSE EXISTING DOORS, WINDOWS, AND FRAMES WHERE POSSIBLE. CONTRACTOR TO VERIFY QUANTITY AND CONDITION OF EXISTING DOORS AND HARDWARE BEFORE PURCHASING ANY NEW ITEMS. TOUCH UP DOORS AND FRAMES THAT HAVE MINOR SCRATCHES. REPLACE DOORS THAT HAVE MISSING VENEER OR SEVERE DAMAGE. NEW DOORS AND FRAMES REQUIRED SHALL MATCH EXISTING HARDWARE STYLE AND FINISH TO MATCH BUILDING STANDARD.

ALL DOORS SHALL RECEIVE A COMPLETE SET OF BUILDING STANDARD HARDWARE, INCLUDING HINGES, A DOOR STOP AND A LOCK (LATCH) SET. PUBLIC CORRIDOR SHALL RECEIVE TAS/ADAAG COMPLIANT CLOSERS.

ANY REMAINING LOCKSETS ARE TO BE REUSED ON RELOCATED DOORS IN LIEU OF NEW PASSAGE SETS.

ME INDICATES MATCH EXISTING

DOORS AND FRAMES WITHIN ONE HOUR CORRIDORS SHALL HAVE 20 MINUTE FIRE RATING AND POSITIVE PRESSURE AS REQUIRED. CONTRACTOR TO SUPPLY AND INSTALL PANIC HARDWARE AS REQUIRED BY CODE.

CARD READERS ARE SURFACE MOUNTED AND DO NOT REQUIRE A ROUGH IN BOX OR PARTITION CAVITY EXCEPT TO GET CABLE CONNECTIONS TO BACK SIDE OF READER.

GENERAL POWER NOTES

- 1. REFERENCE 000-20 FOR STANDARDS, CODE INFORMATION AND ADDITIONAL LEGENDS.
2. ALL PLANS IN THE IA00-00 SERIES SHALL REFERENCE POWER, DATA AND FURNITURE KEY NOTES.
3. PLEASE NOTE, NOT ALL GENERAL POWER NOTES OR SPECIFIC KEY NOTES WILL BE USED ON EACH FLOOR PLAN SHEET IN THE IA00-00 SERIES. ANY KEY NOTE NOT USED ON THE SHEET SHOULD BE DISREGARDED FOR THAT AREA.

ADDITIONAL OPTIONS TO CONSIDER

- 1. DASHED WORKSTATIONS INDICATE GROWTH WORKSTATIONS. THESE WORKSTATIONS WILL NOT BE INSTALLED AT THE TIME OF MOVE-IN.
2. COORDINATE FINAL LOCATIONS AND REQUIREMENTS FOR PLASMA SCREENS WITH OWNER. PLASMA SCREEN LOCATIONS AND HEIGHTS ABOVE FINISHED FLOOR ARE INDICATED ON THE PLAN IN THE IA00-00 SERIES.

GENERAL DEMOLITION NOTES

- 1. ALL PLANS IN THE IA02-00 SERIES SHALL REFERENCE DEMOLITION GENERAL NOTES AND KEY NOTES ON THIS PAGE. PLEASE NOTE, NOT ALL GENERAL DEMOLITION NOTES OR SPECIFIC KEY NOTES WILL BE USED ON EACH SHEET. ANY KEY NOTE NOT USED ON THE SHEET SHOULD BE DISREGARDED FOR THAT AREA.

- 1. EXISTING COLUMN FURR-OUTS TO REMAIN, U.O.
2. EXISTING WINDOW COVERINGS AT EXTERIOR WINDOWS ARE TO BE DEMOLISHED. OR, EXISTING WINDOW COVERINGS AT EXTERIOR WINDOWS ARE TO REMAIN, U.O. PULL UP/BACK AND PROTECT DURING CONSTRUCTION, REPAIR OR REPLACE ALL DAMAGED, NON-WORKING OR MISSING WINDOW COVERINGS TO MATCH EXISTING.

GENERAL CONSTRUCTION NOTES

- 1. REFERENCE 000-20 FOR STANDARDS, CODE INFORMATION AND ADDITIONAL LEGENDS.
2. ALL PLANS IN THE IA02-00 SERIES SHALL REFERENCE CONSTRUCTION KEY NOTES ON IA02-02A.
3. NOT ALL GENERAL CONSTRUCTION KEY NOTES WILL BE USED ON EACH FLOOR PLAN SHEET. ANY KEY NOTE NOT USED ON THE SHEET IN THE IA02-00 SERIES SHOULD BE DISREGARDED FOR THAT AREA.

- 1. THE EVENT A CONTRADICTION OCCURS WITHIN THESE CONSTRUCTION DOCUMENTS OR EXISTING CONDITIONS, NOTIFY ARCHITECT IMMEDIATELY FOR INTERPRETATION. WORK UNDERTAKEN PRIOR TO NOTIFICATION WILL BE AT THE CONTRACTOR'S SOLE EXPENSE AND RESPONSIBILITY.
2. THE CONTRACTOR SHALL CONFIRM THAT THE WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. ALL DISCREPANCIES SHOULD BE IDENTIFIED IN WRITING BEFORE PROCEEDING WITH THE WORK.

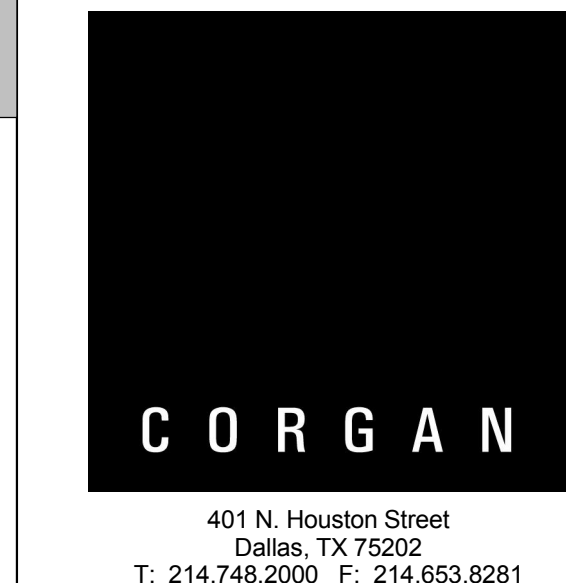
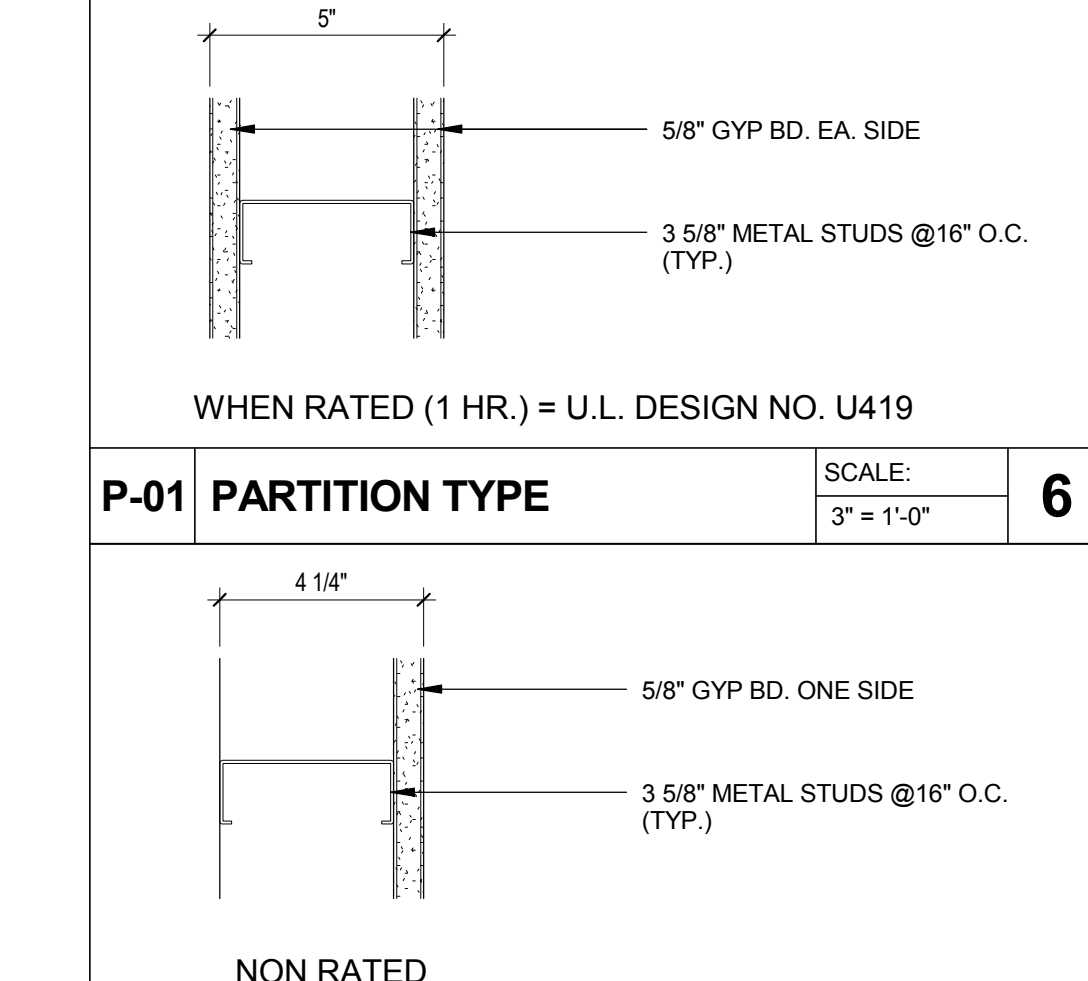
- 1. THE CONTRACTOR SHALL REMOVE DEBRIS AND WASTE MATERIALS, INCLUDING DEBRIS WHICH IS A BYPRODUCT OF CARPET AND CABINET INSTALLATION, TELEPHONE COMPANY INSTALLATION, ETC. AND PROVIDE FOR ITS REMOVAL FROM THE SITE. SITE AND ADJACENT PROPERTIES SHALL BE LEFT "BROOM CLEAN" AT END OF DAY. MAINTAIN SITE IN A CLEAN AND ORDERLY CONDITION.

- 1. THE CONTRACTOR SHALL PROVIDE CHALK LINES ON THE SLAB OF PARTITIONS AND DOOR LOCATIONS FOR ARCHITECT APPROVAL PRIOR AND IN DISCREPANCY WITH THE ARCHITECT'S APPROVAL FROM CONSTRUCTION DIMENSIONS OR CLEARANCES AS DESIGNATED ON PLAN OR OF APPARENT CONSTRUCTION CONFLICT. OBTAIN LAYOUT APPROVAL FROM ARCHITECT PRIOR TO INSTALLATION.
2. PARTITIONS SHALL BE ANCHORED FIRMLY USING MECHANICAL FASTENERS MEETING INDUSTRY STANDARDS, STATE, AND LOCAL CODES REQUIREMENTS.

- 1. CONTRACTOR TO PROVIDE WATER LINE AT COFFEE MAKER AND REFRIGERATOR LOCATIONS. REF. PLUMBING DRAWINGS.
2. ALL DOORS ARE TO MATCH EXISTING.
3. ALL NEW OR RELOCATED DOORS SHALL BE LOCATED 6" FROM THE NEAREST CORNER TO INSIDE EDGE OF FRAME, U.O.

- 1. ALL DOORS ARE TO MATCH EXISTING.
2. ALL NEW OR RELOCATED DOORS SHALL BE LOCATED 6" FROM THE NEAREST CORNER TO INSIDE EDGE OF FRAME, U.O.

- 1. EXISTING COLUMN FURR-OUTS TO REMAIN, U.O.
2. EXISTING WINDOW COVERINGS AT EXTERIOR WINDOWS ARE TO BE DEMOLISHED. OR, EXISTING WINDOW COVERINGS AT EXTERIOR WINDOWS ARE TO REMAIN, U.O. PULL UP/BACK AND PROTECT DURING CONSTRUCTION, REPAIR OR REPLACE ALL DAMAGED, NON-WORKING OR MISSING WINDOW COVERINGS TO MATCH EXISTING.



ISSUES table with columns for issue number, date, and status. Issue 1: 07/01/2016, 100% ISSUE FOR CONSTRUCTION.

REVISIONS table with columns for revision number, date, and description.



07/01/2016

Cleburne ISD Training Room Modifications 505 N. RIDGEWAY DR., CLEBURNE, TEXAS 76033

NOTES AND WALL & PARTITION TYPES

JOB 15333.0000 DATE 07/01/16 SHEET

IA02-00

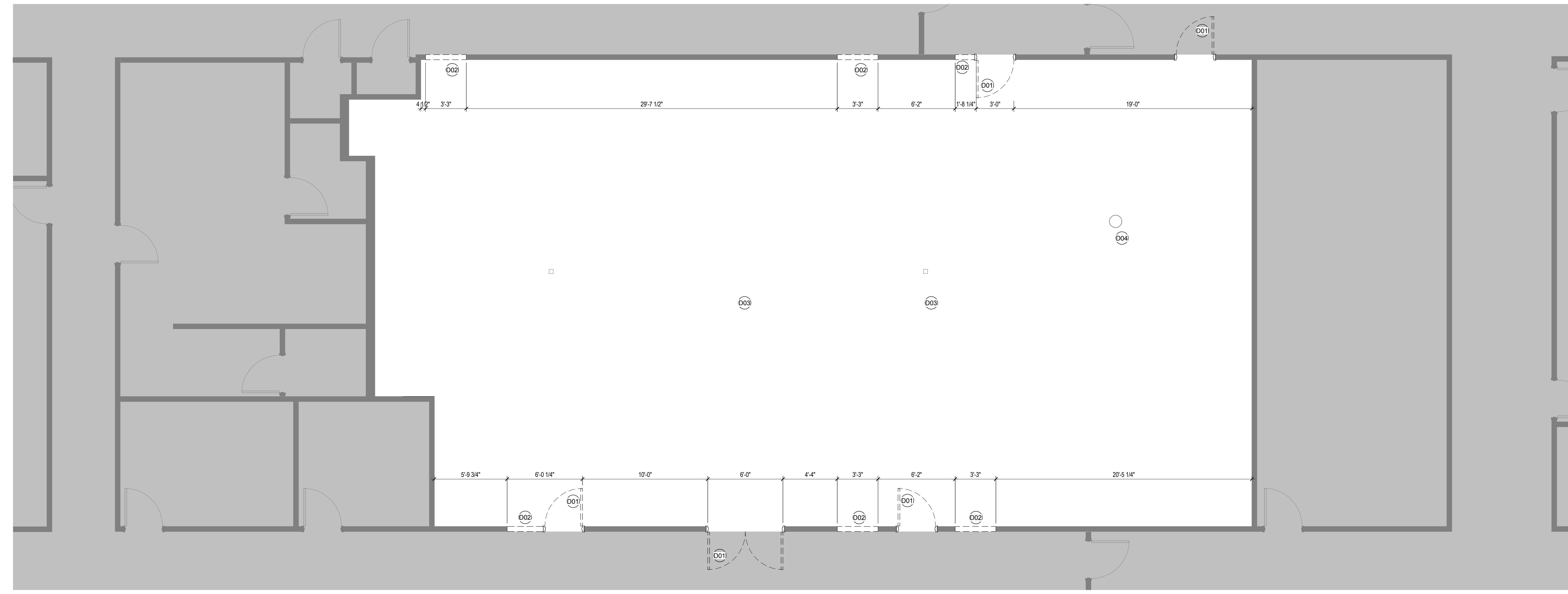


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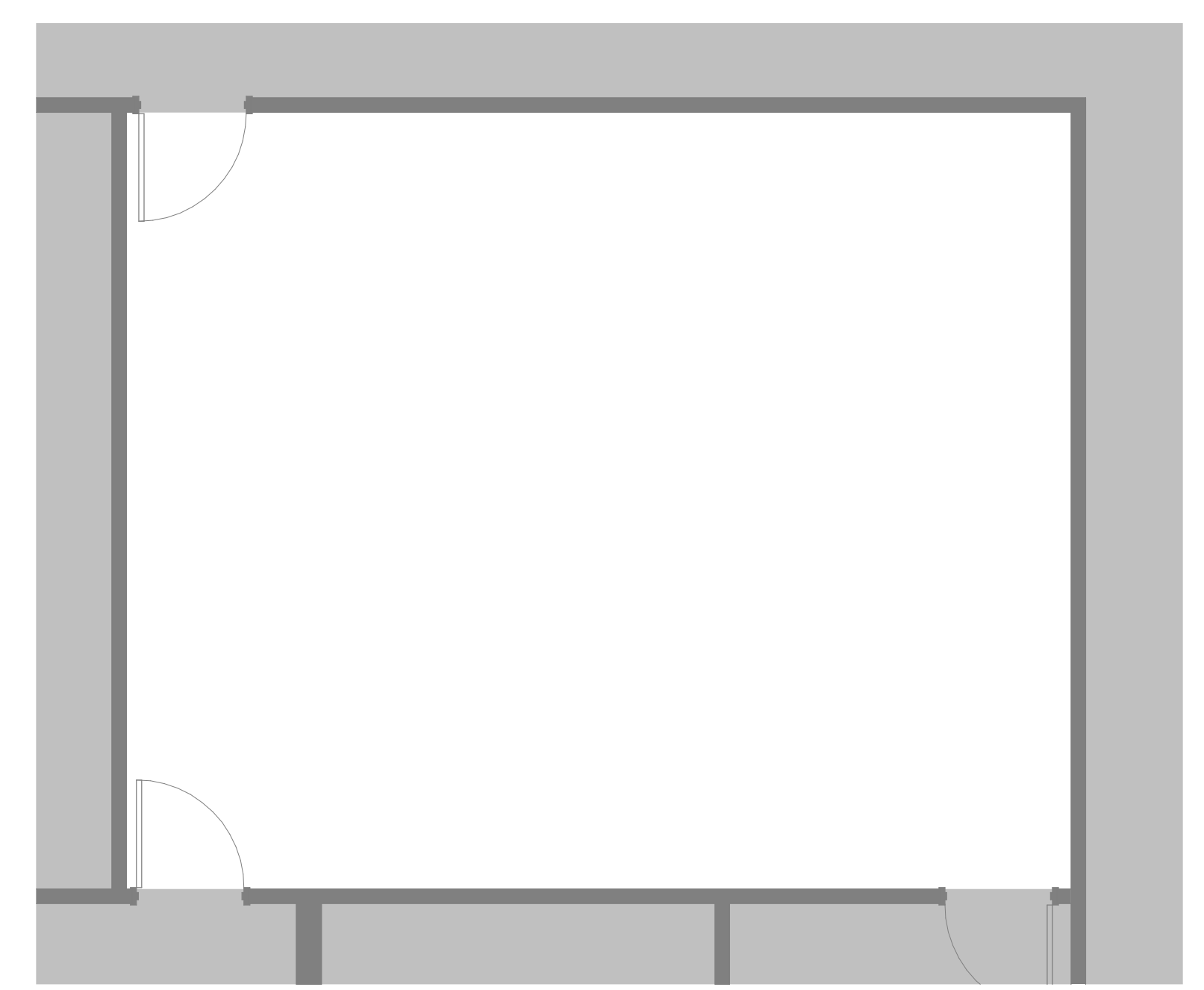
REVISIONS	



07/01/2016



1 LEVEL 1 WEST - DEMO PLAN - IA  
1/4" = 1'-0"



2 LEVEL 1 EAST - DEMO PLAN - IA  
1/4" = 1'-0"

DEMOLITION KEYNOTES	
REFERENCE SHEET IA02-00 FOR GENERAL DEMOLITION NOTES	
D01	REMOVE EXISTING DOOR. SALVAGE FOR REUSE. PREPARE OPENING TO RECEIVE NEW FINISH.
D02	DEMO EXISTING PARTITION. PREP FOR INSTALLATION OF REUSED DOOR AND FRAME, COORDINATE WITH NEW DOOR OPENING.
D03	EXISTING COLUMN TO REMAIN.
D04	EXISTING ROOF DRAIN TO BE RELOCATED, REF. IA02-01B FOR LOCATION.

**Cleburne ISD Training  
Room Modifications**  
505 N. RIDGEWAY DR., CLEBURNE, TEXAS 76033

DEMOLITION PLANS -  
LEVEL 01

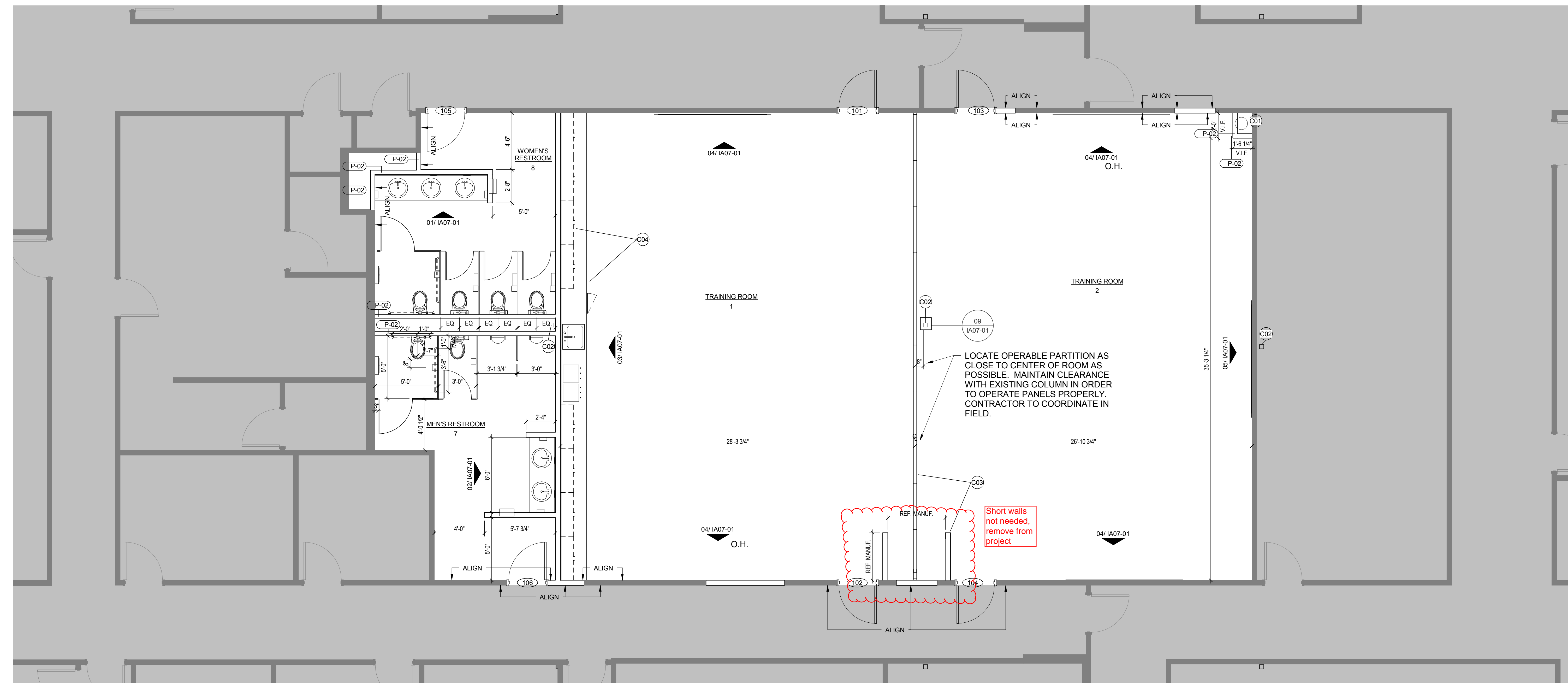
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SHEET  
**IA02-01A**

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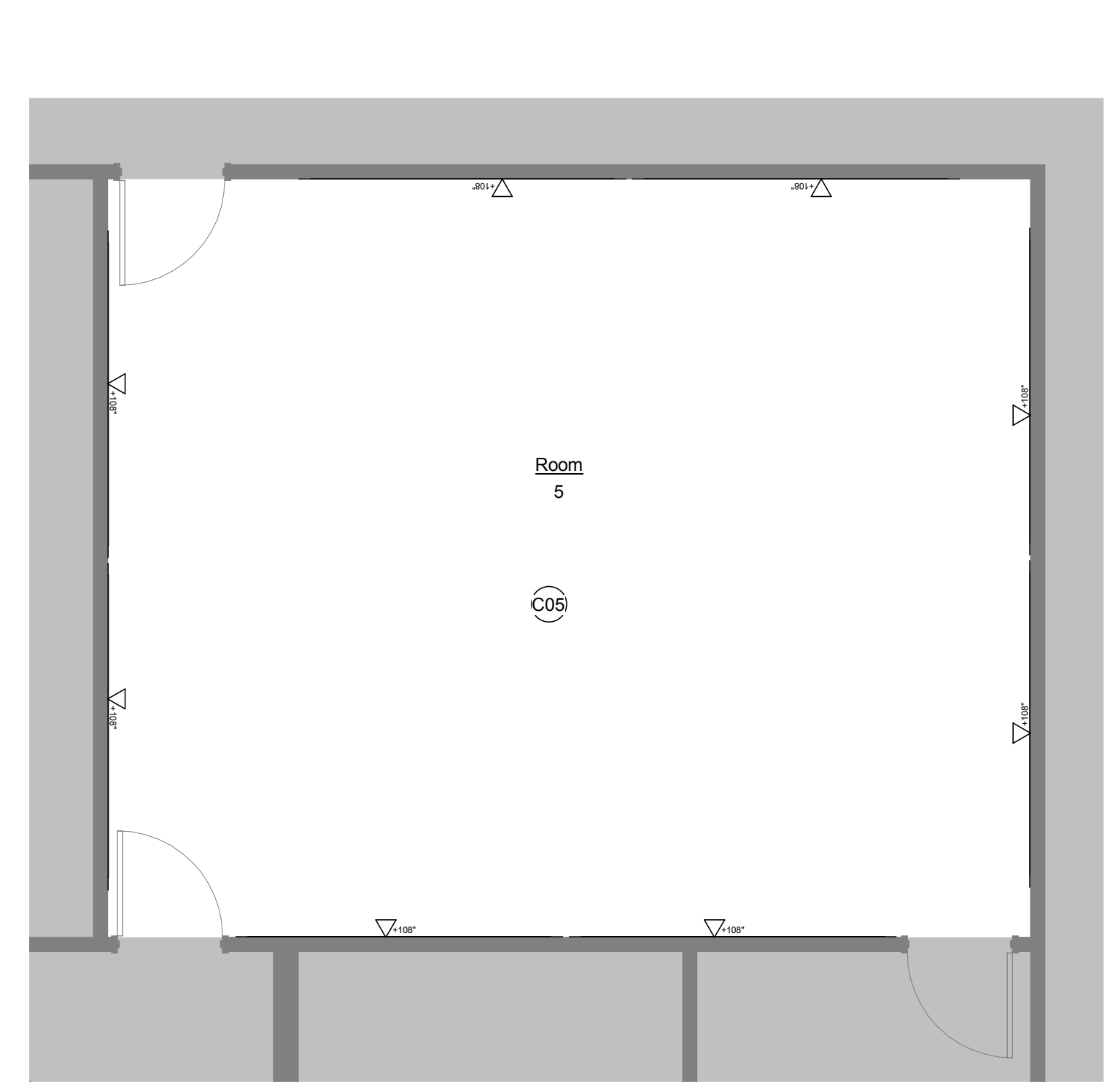
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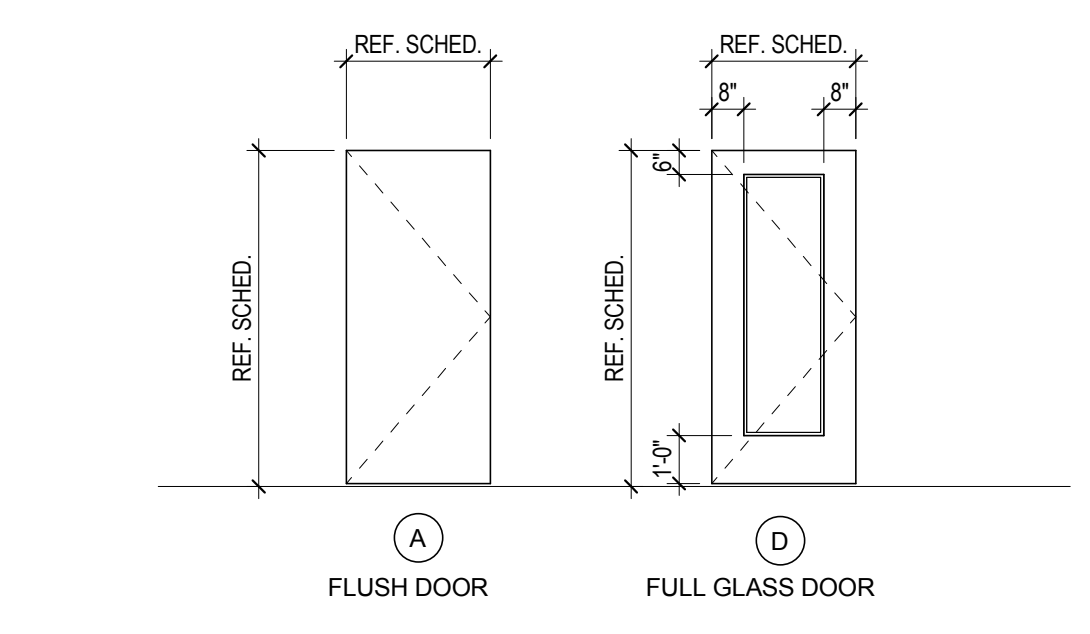
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**1** LEVEL 1 WEST - CONSTRUCTION PLAN - IA  
 1/4" = 1'-0"



**2** LEVEL 1 EAST - CONSTRUCTION PLAN - IA  
 1/4" = 1'-0"



**3** DOOR TYPES  
 1/4" = 1'-0"

DOOR NUMBER	ROOM		DOOR				FRAME				HARDWARE SET	FIRE RATING	STC RATING	COMMENTS	
	FROM ROOM	TO ROOM	WIDTH	HEIGHT	PANEL TYPE	MATERIAL	THICKNESS	FRAME TYPE	MATERIAL	FINISH					GLAZING
LEVEL 1															
101		1	3'-0"	9'-0"	A	WOOD	1 3/4"	20	HM	Metal - Paint					REUSE EXISTING DOOR. TOUCH UP FINISH TO NEW CONDITION.
102		1	3'-0"	9'-0"	A	WOOD	1 3/4"	20	HM	Metal - Paint					REUSE EXISTING DOOR. TOUCH UP FINISH TO NEW CONDITION.
103		2	3'-0"	9'-0"	D	WOOD	1 3/4"	20	HM	Metal - Paint					REUSE EXISTING DOOR. TOUCH UP FINISH TO NEW CONDITION.
104		2	3'-0"	9'-0"	A	WOOD	1 3/4"	20	HM	Metal - Paint					REUSE EXISTING DOOR. TOUCH UP FINISH TO NEW CONDITION.
105		8	3'-0"	9'-0"	A	WOOD	1 3/4"	20	HM	Metal - Paint					REUSE EXISTING DOOR. TOUCH UP FINISH TO NEW CONDITION.
106		7	3'-0"	9'-0"	A	WOOD	1 3/4"	20	HM	Metal - Paint					REUSE EXISTING DOOR. TOUCH UP FINISH TO NEW CONDITION.

**CONSTRUCTION AND ALTERNATE PRICING KEYNOTES**

- C001** RELOCATED ROOF DRAIN. VERIFY SIZE IN FIELD.
- C002** EXISTING COLUMN, REF STRUCTURAL DRAWINGS. VERIFY SIZE AND LOCATION IN FIELD.
- C003** CONTRACTOR TO PROVIDE SEPERATE LINE ITEM PRICING FOR MOVEABLE PARTITION SCOPE OF WORK. SCOPE TO INCLUDE MOVEABLE PARTITION, DRYWALL PARTITION SURROUND AND STRUCTURAL REINFORCEMENTS. REF. SHEET S02-01 FOR STRUCTURAL SCOPE. CEILING CHANGES WILL BE MADE TO ELIMINATE CEILING DETAIL 06/IA07-01 IF ALTERNATE IS NOT ACCEPTED.
- C004** CONTRACTOR TO PROVIDE SEPERATE LINE ITEM PRICING FOR MILLWORK AND TILE, T-3 AS SCHEDULED.
- C005** CONTRACTOR TO PROVIDE SEPERATE LINE ITEM PRICING FOR SCOPE OF WORK IN "ROOM 5". REF. DRAWINGS 2/IA02-01A, 2/IA02-01B, 2/IA03-01, 2/IA09-01, 2/IA10-01, 3/EL02-01, 2/EP02-01, 1/ET02-01 (PARTIAL).

Removed from project

**Cleburne ISD Training Room Modifications**  
 505 N. RIDGEWAY DR., CLEBURNE, TEXAS 76033

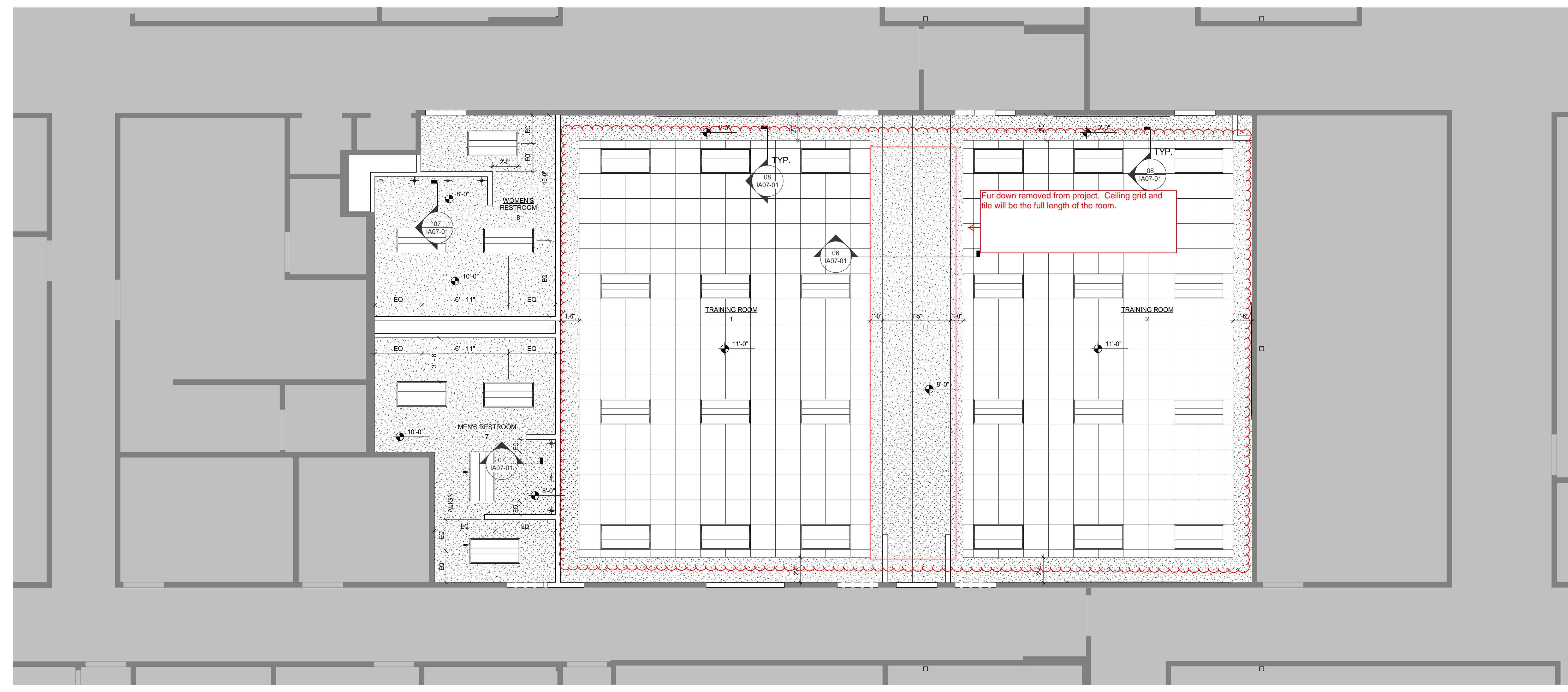


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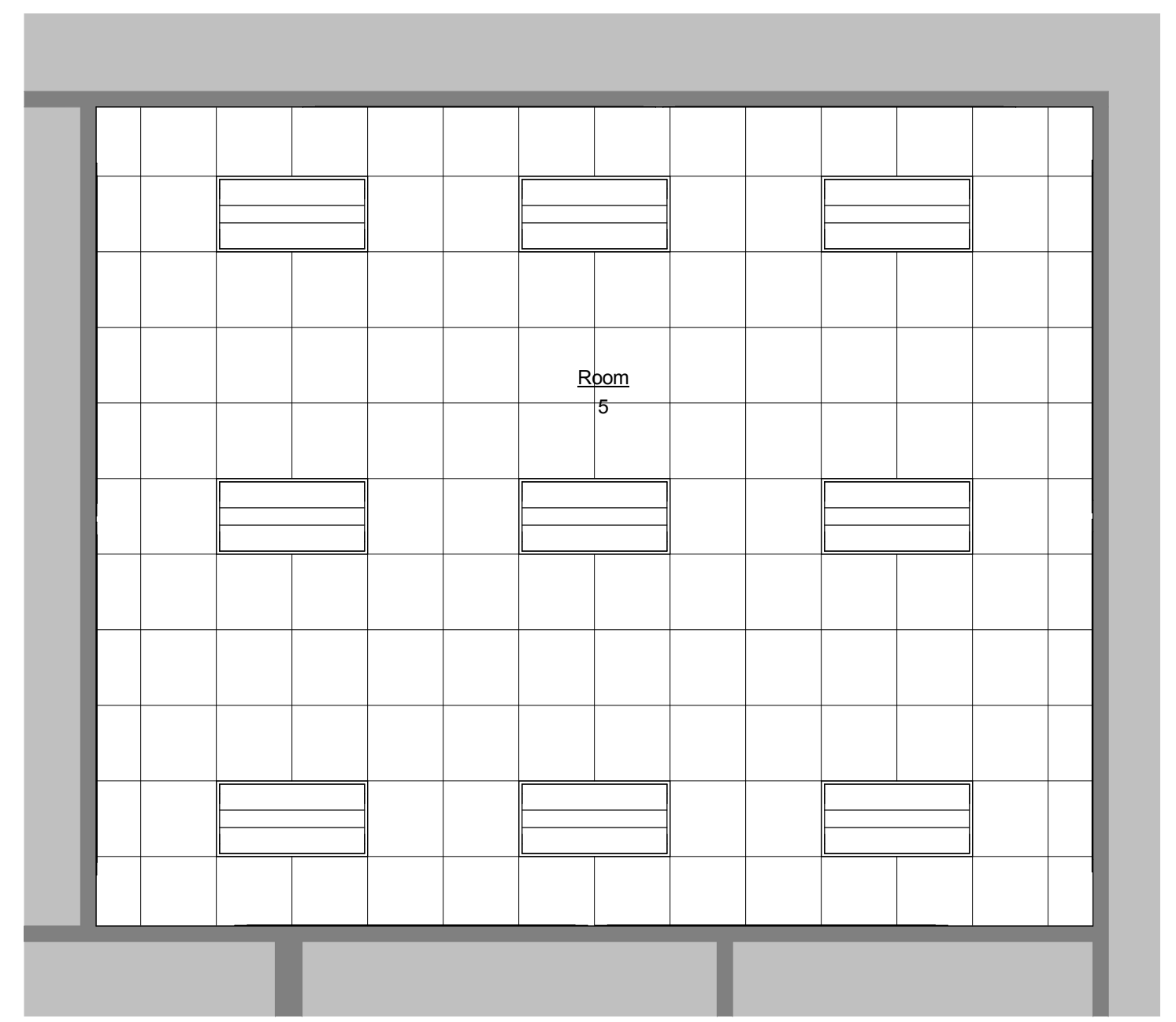
REVISIONS		



07/01/2016



1 LEVEL 1 WEST - REFLECTED CEILING PLAN  
1/4" = 1'-0"



2 LEVEL 1 EAST - REFLECTED CEILING PLAN  
1/4" = 1'-0"

REFLECTED CEILING PLAN LEGEND			
	2X2 LAY-IN CEILING		FINISHED CEILING HEIGHT A.F.F.
	GYP. BD. CEILING		WALL SCONCE TOP @ 7'-2" A.F.F.
	2X4 LAY-IN FLUOR. INDIRECT FIXTURE		

**Cleburne ISD Training Room Modifications**  
505 N. RIDGEWAY DR., CLEBURNE, TEXAS 76033

REFLECTED CEILING PLAN - LEVEL 01

JOB 15333.0000  
DATE 07/01/16  
SHEET  
**IA03-01**

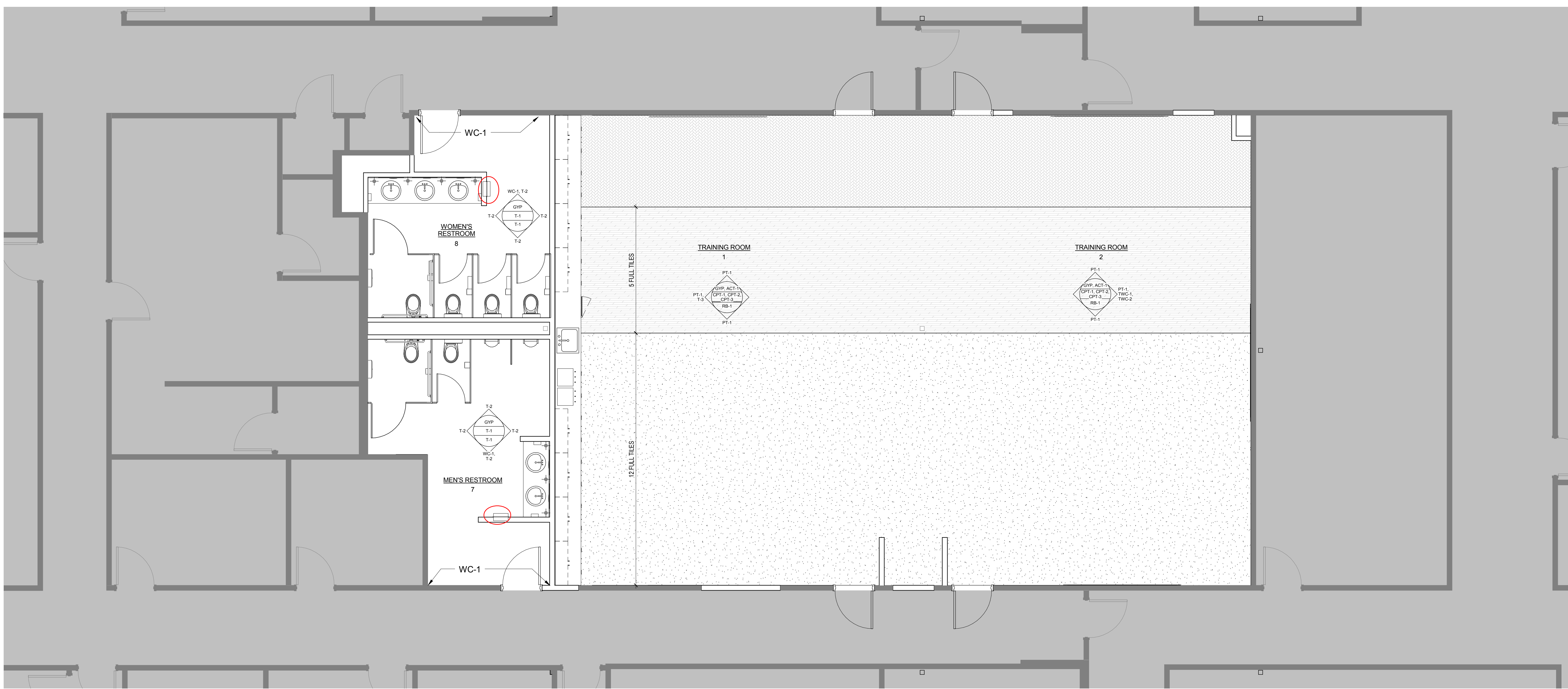


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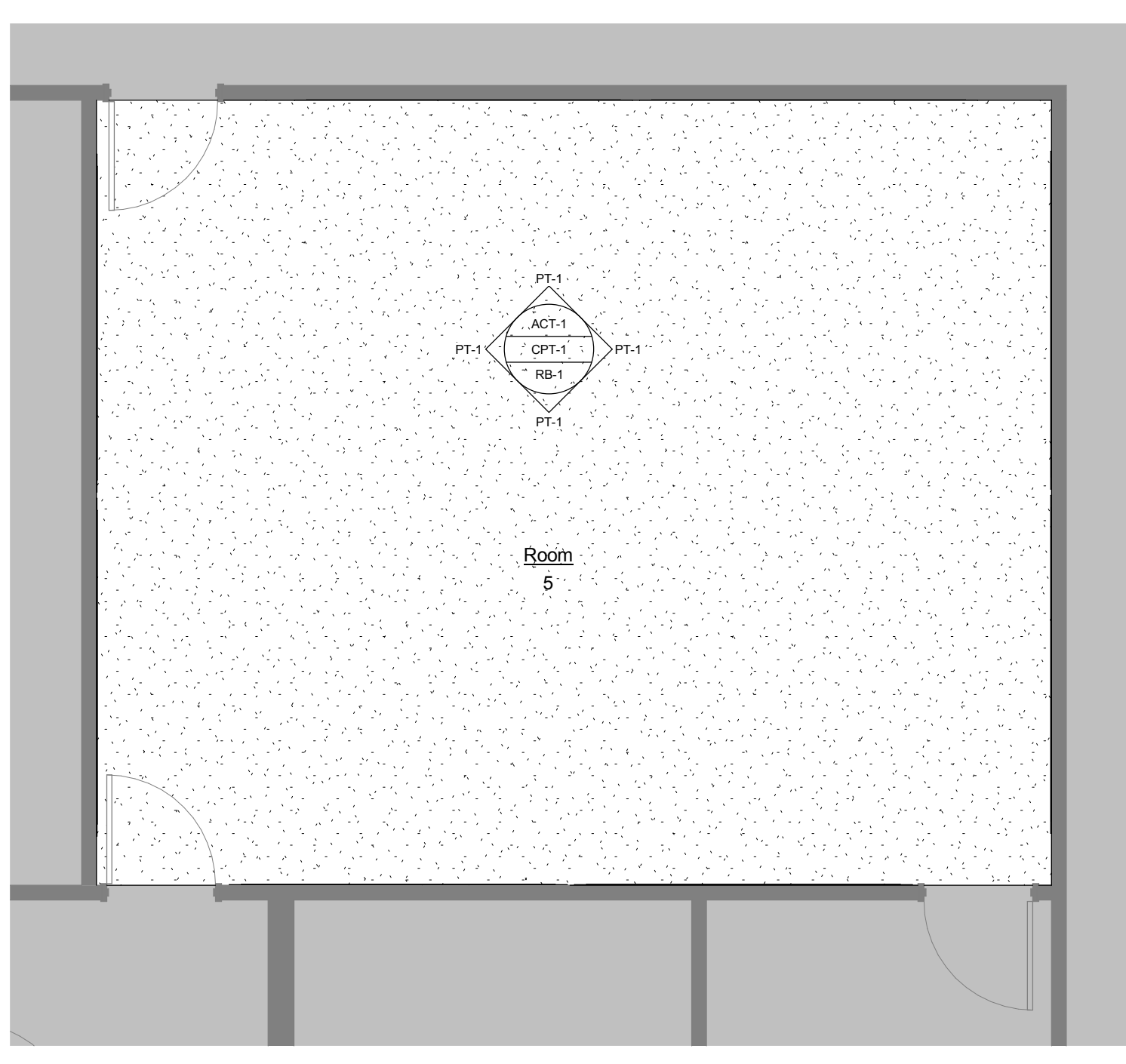
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07/01/2016



1 LEVEL 1 WEST - FINISH PLAN - IA  
1/4" = 1'-0"



2 LEVEL 1 EAST - FINISH PLAN - IA  
1/4" = 1'-0"

FLOOR FINISH LEGEND			
	T-1		CPT-2
	CPT-1		CPT-3

FINISH KEY						
Finish Code	Description	Manufacturer	Name	Color	Comments	Contact
ACT-1	ACOUSTICAL CEILING TILE	USG	ECLIPSE CLIMAPLUS	WHITE	2' X 2' X 1" USE WITH DXDXL GRID WHITE	GARY YANCY 214-212-2549
CPT-1	CARPET	PATCRAFT	10341 ENVERSE	00250 GOLD MINE	TRAINING ROOM	AMBER BARTLETT 214-206-6350
CPT-2	CARPET	PATCRAFT	10340 ENFORM	00550 GOLD MINE	TRAINING ROOM	AMBER BARTLETT 214-206-6350
CPT-3	CARPET	PATCRAFT	10342 ENFLECTION	00250 GOLD MINE	TRAINING ROOM	AMBER BARTLETT 214-206-6350
PL-1	PLASTIC LAMINATE	WILSONART		D327-60 PEPPERDUST	COFFEE BAR MILLWORK	MISSY WALKER 214-354-1872
PL-2	PLASTIC LAMINATE	FORMICA		NEUTRAL TWILL 8826-58	RESTROOM MILLWORK	SCOTT BRANDT sbrandt@lewisandcompany.com
PT-1	PAINT	SHERWIN WILLIAMS	SATINEGGSHELL INTERIOR PAINT	SW7003 TOQUE WHITE	TRAINING ROOMS	BRETT HUCKLEBERRY 214-553-9340
RB-1	RUBBER BASE	JOHNSONITE	TRADITIONAL WALL BASE	63 BURNT UMBER B	6" TRAINING ROOMS	972-871-8922
SS-1	SOLID SURFACE	WILSONART	SOLID SURFACE	GOLD GLITZ 9108CS (5)	COFFEE BAR	MISSY WALKER 214-354-1872
SS-2	SOLID SURFACE	WILSONART	SOLID SURFACE	DESIGNER WHITE D354SL (1)	RESTROOM MILLWORK	MISSY WALKER 214-354-1872
T-1	TILE	CONCEPT SURFACES	SANDS	DARK	MEN'S RR	972-386-4900
T-2	TILE	CONCEPT SURFACES	SANDS	GREY	WOMEN'S RR	972-386-4900
T-3	TILE	CONCEPT SURFACES	BELLINI	SUPER WHITE	COFFEE BAR BACKSPLASH	972-620-9427
T-4	TILE	DALTILE	UPTOWN GLASS	UP21 MATTE FROST MOKA	RR ACCENT TILE	972-386-4900
TWC-1	TACKABLE WALLCOVERING	WOLF GORDON	COLORLED BULLETIN BOARD CORK	OYSTER SHELL GOH 10636214	TRAINING ROOMS	APRIL BREMER 214-394-4369
TWC-2	TACKABLE WALLCOVERING	WOLF GORDON	COLORLED BULLETIN BOARD CORK	POPPY SEED GOH 10636215	TRAINING ROOMS	APRIL BREMER 214-394-4369
WC-1	VINYL WALLCOVERING	MDC LEN-TEX	COLTON	DRIFT 1909-CT	RR ACCENT	JENNIFER MARZULA 214-223-5813

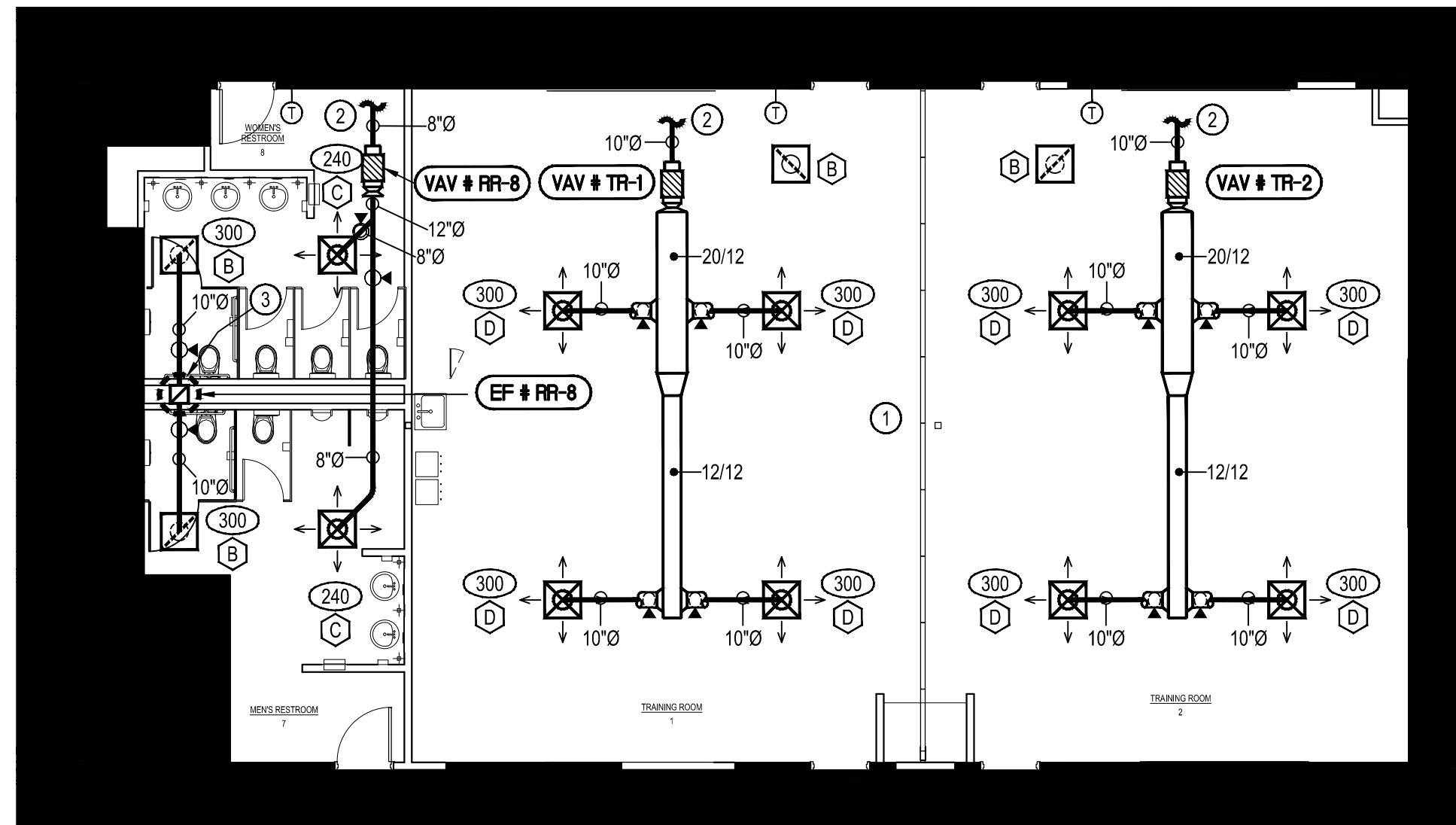
**Cleburne ISD Training Room Modifications**  
505 N. RIDGEWAY DR., CLEBURNE, TEXAS 76033

FINISH FLOOR PLAN - LEVEL 01

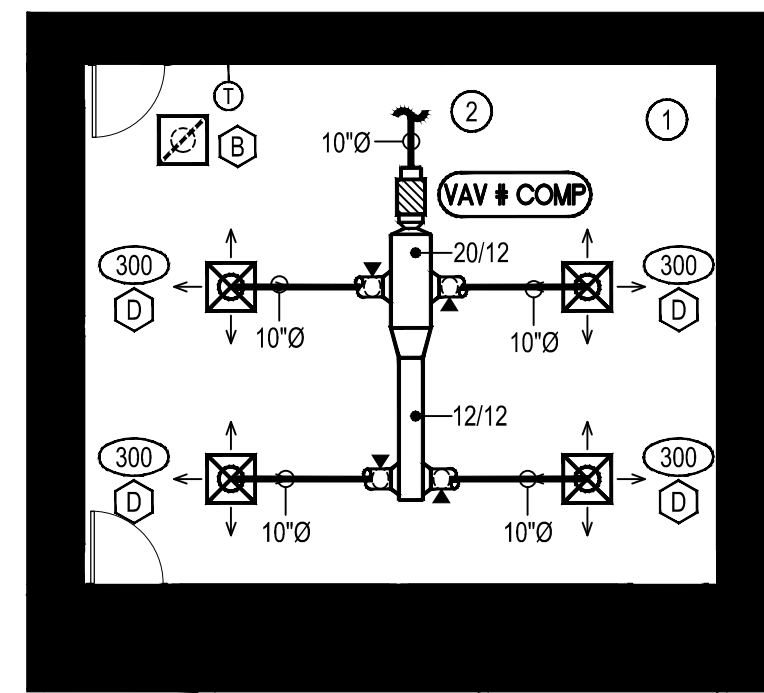
JOB 15333.0000  
DATE 07/01/16  
SHEET  
**IA09-01**







1 MECHANICAL FLOOR PLAN  
1/8"=1'-0"



2 MECHANICAL FLOOR PLAN  
1/8"=1'-0"

VAV'S will need to be tied into and controlled through the district owned EMS.

FIELD VERIFY LOCATIONS OF ALL VAV BOXES, DUCTWORK, GRILLES, ETC.

MECHANICAL SYMBOLS	
THERMOSTAT/SENSOR (PER SPEC.)	(T)
CO2 SENSOR	(C)
HUMIDISTAT	(H)
THERMOSTAT / HUMIDISTAT	(TH)
CONTROL RELAY	(CR)
DUCT DETECTOR WITH CONTROL RELAY	(D)
CFM (CUBIC FT. PER MIN.)	###
GRILLE TYPE	XX
DUCT DIAMETER	Ø
RETURN AIR GRILLE WITH ARROW	↔
SUPPLY GRILLE WITH AIR FLOW	↔
MANUAL VOLUME DAMPER	(M)
DOWN WITH MANUAL VOLUME DAMPER	DN W/M
MOTORIZED DAMPER	(M)
FIRE DAMPER (FD)	(FD)
SMOKE FIRE DAMPER (SFD)	(SFD)
ROUND	(R)
BALANCING DAMPER * (BAL)	(BAL)
BACK DRAFT DAMPER (BDD)	(BDD)
EXHAUST FAN	(EF)
ROOF RELIEF	(RR)
SUPPLY FAN	(S)
EXISTING DUCT / PIPE CAP	(E)
REFRIGERANT LINE	(R)
SERVICE ACCESS AREA	(SAA)
UNIT	(U)
SPIRAL DUCT	(SD)
FLEX DUCT	(FD)
MEDIUM PRESSURE DUCT	(MPD)
FLAT OVAL DUCT	(FOD)

NOTE: SOME SYMBOLS MAY NOT BE USED.  
\* OPPOSED BLADE DAMPER TO BE NAILER SERIES 1021 OR EQUAL FOR AIR BALANCING

MECHANICAL GENERAL NOTES:

- MECHANICAL CONTRACTOR TO PROVIDE TO THE PLUMBING CONTRACTOR THE RECOMMENDED AC MANUFACTURER'S DATA FOR CONDENSATE TRAPS PER EACH TYPE OF UNIT.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OR ADJUSTMENT OF ALL HOLD DOWN BOLTS ON COMPRESSORS AT HVAC EQUIPMENT TO ALLOW FOR PROPER VIBRATION ISOLATION.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL ABANDONED SCREWS, PIPING, TAPE, PAPERS, PACKING PRODUCTS, ETC. FROM ROOF.
- ALL EQUIPMENT ON THE ROOF SHALL BE PROPERLY LABELED PER SPECIFICATIONS.
- CLOSE ALL OUTSIDE AIR DAMPERS UPON INSTALLATION AND KEEP ALL OUTSIDE AIR DAMPERS CLOSED UNTIL THE 'TEST AND BALANCE' IS PERFORMED.
- PROVIDE AND INSTALL MANUAL VOLUME CONTROL DAMPERS ON SUPPLY AND RETURN BRANCH DUCT SERVING A DIFFUSER OR REGISTER.
- ALL MANUAL DAMPERS INSTALLED ABOVE HARD CEILING OR AT OTHER INACCESSIBLE AREAS SHALL BE SUPPLIED WITH A CABLE OPERATED DAMPER EQUAL TO YOUNG REGULATOR MODEL 830A-CC.
- ALL GRILLES ARE SHOWN IN APPROXIMATE LOCATION. FIELD VERIFY PLACEMENT WITH CEILING GRID.
- ALL DIFFUSERS/FLEX CONNECTIONS SHALL HAVE A RIGID METAL ELBOW UNLESS COMING DIRECTLY DOWN FROM A UNIT OR HEIGHT OF CEILING IS EXTREME. ALL FLEX DUCT TO HAVE AT LEAST ONE SUPPORT STRAP.
- ALL FAN CURBS TO BE INSTALLED LEVEL. PROVIDE SEAL BETWEEN CURB AND ROOF.
- COORDINATE WITH THE PLUMBING CONTRACTOR LOCATION OF ALL SUPPLY FANS WITH PLUMBING VENTS. MAINTAIN 10'-0" MINIMUM SEPARATION.
- THE MECHANICAL CONTRACTOR SHALL NOT INSTALL ANY ROOF EQUIPMENT CLOSER THAN 5'-0" TO ANY ADJACENT WALLS, EXPANSION JOINTS, AND/OR PARAPETS.
- ALL AIR HANDLERS: NO PIPING, CONDUITS, DUCTS, WIRING, DISCONNECTS, ETC. WILL BE ALLOWED TO BE INSTALLED CLOSER THAN 3'-0" (THREE FEET) IN FRONT OF THE SERVICE ACCESS PANEL.
- ALL THERMOSTAT WIRING TO A/C UNITS SHALL BE SECURED TO REFRIGERANT LINES UTILIZING TEFLON TY-WRAPS.

MECHANICAL PLAN NOTES:

- REMOVE EXISTING VAV BOXES) AND ASSOCIATED DUCTWORK & GRILLES). CAP EXISTING MEDIUM PRESSURE DUCTWORK AT TRUNK.
- ROUTE MEDIUM PRESSURE DUCTWORK BACK TO MAIN TRUNK.
- 12/12 UP TO (EF # RR-8) ON ROOF.

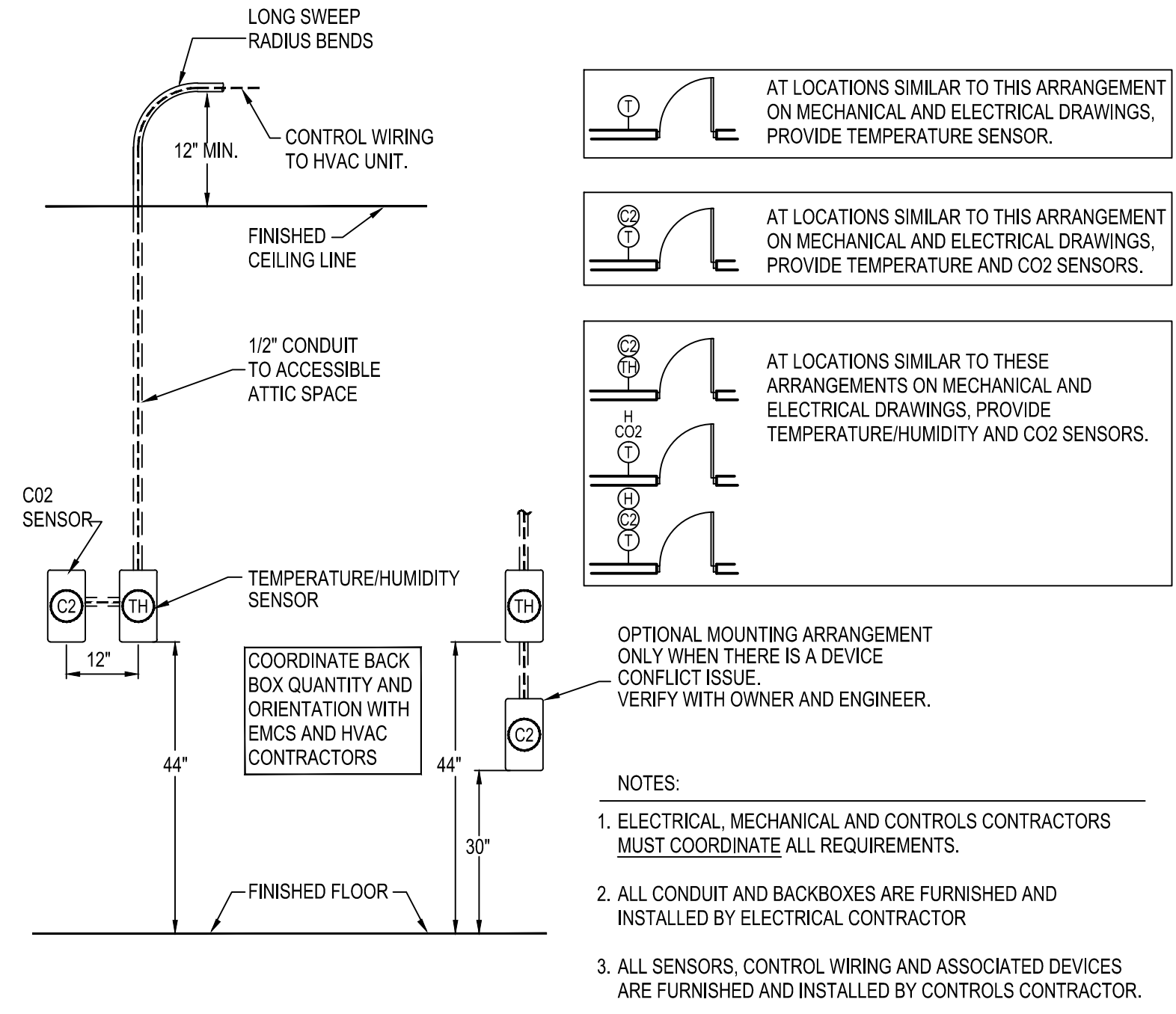
VAV SCHEDULE																			
TAG	MFG	MODEL	SIZE	RESULTS				ARRANGEMENT	MCA **	MSCP **	HEAT			ELECTRIC HEAT					
				MAX PRIMARY CFM	MIN PRIMARY CFM	INLET SP in. wg	DOWN SP in. wg				HEAT CFM	EAT DEG F	LAT DEG F	HTR KW	HTR AMPS	HTR VOLT	PHASE	STEPS	
(A)	ETI	SDR	08	480	190	1	0.09	0.25	LH Controls / LH Coil	3.76	15.00	190	55	90	2.5	3.01	480	3	1
(B)	ETI	SDR	10	1200	300	1	0.15	0.25	LH Controls / LH Coil	5.26	15.00	300	55	90	3.5	4.21	480	3	1

\*\* \* signifies a NC value (radiated or discharge) that is less than 15  
\*\* Actual coil APD shown is at max airflow, not heating airflow.

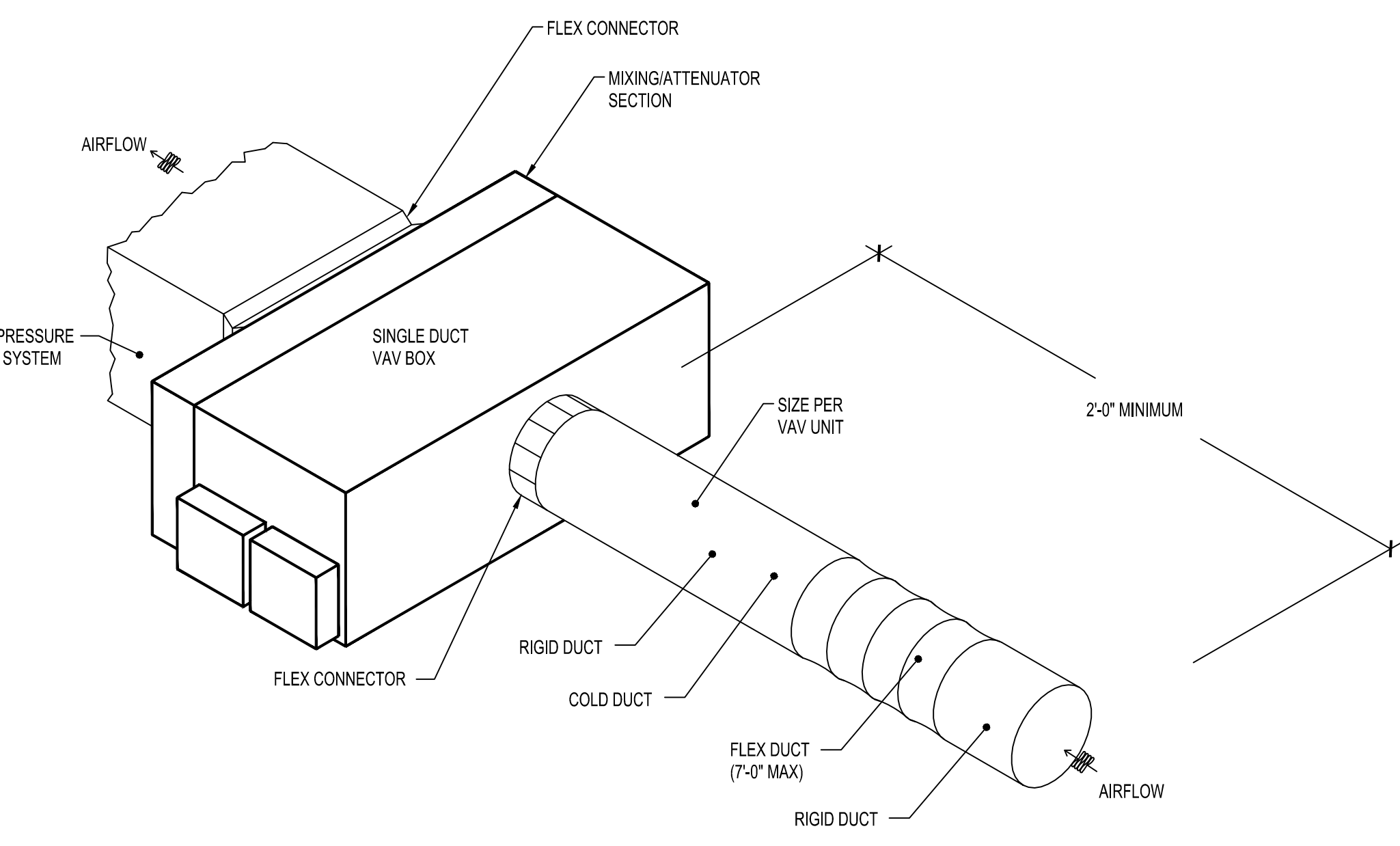
- (A) VAV # RR-8
- (B) VAV # COMP, TR-1, TR-2

FAN SCHEDULE									
MARK	CFM @ E.S.P.	MOTOR H.P./W	MANUFACTURER AND NUMBER	ELECTRICAL DATA	SONES	CONTROL	ACCESSORIES: PROVIDE		
(A)	600	1/8 HP	COOK ACRU D - 100	120 V, 1 ph.	8.3	EMCS	ROOF CURB, INSECT/BRD SCREEN, FACTORY INSTALLED SPEED CONTROLLER		
(A)	EF # RR-8								

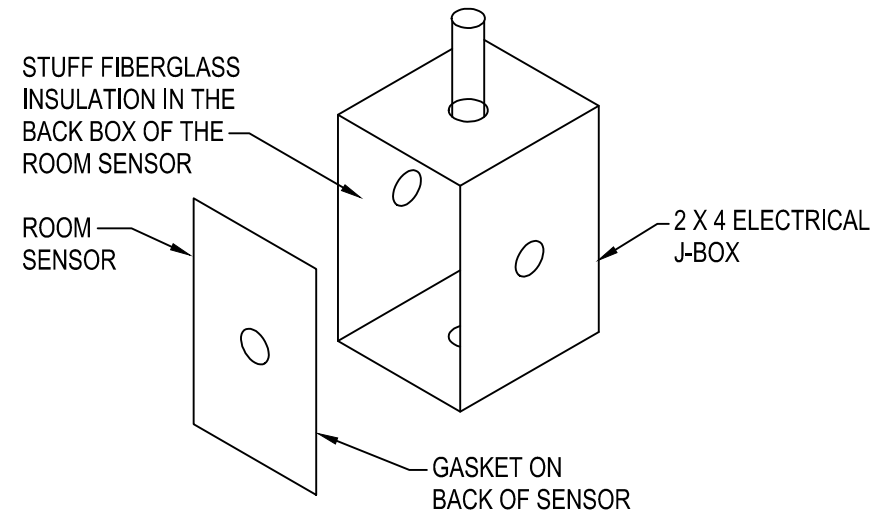
GRILLE SCHEDULE					
DESCRIPTION	MODEL	FINISH	NECK	REMARKS: PROVIDE	
A	CEILING SUPPLY DIFFUSER	PRICE SCD	WHITE	12" dia.	MODULE SIZE 24x24 (FLUSH MOUNT ADD TRIM FRAME AND ADJUSTABLE DAMPER)
B	CEILING RETURN GRILLE	PRICE 80	WHITE	22" x 22"	MODULE SIZE 24x24 (FLUSH MOUNT ADD TRIM FRAME AND ADJUSTABLE DAMPER)
C	CEILING SUPPLY DIFFUSER	PRICE SCD	WHITE	8" dia.	MODULE SIZE 24x24 (FLUSH MOUNT ADD TRIM FRAME AND ADJUSTABLE DAMPER)
D	CEILING SUPPLY DIFFUSER	PRICE SCD	WHITE	10" dia.	MODULE SIZE 24x24 (FLUSH MOUNT ADD TRIM FRAME AND ADJUSTABLE DAMPER)
E	CEILING SUPPLY REGISTER	PRICE SCVD	WHITE	10" x 10"	ONE-WAY THROW, (FLUSH MOUNT ADD TRIM FRAME AND ADJUSTABLE DAMPER)



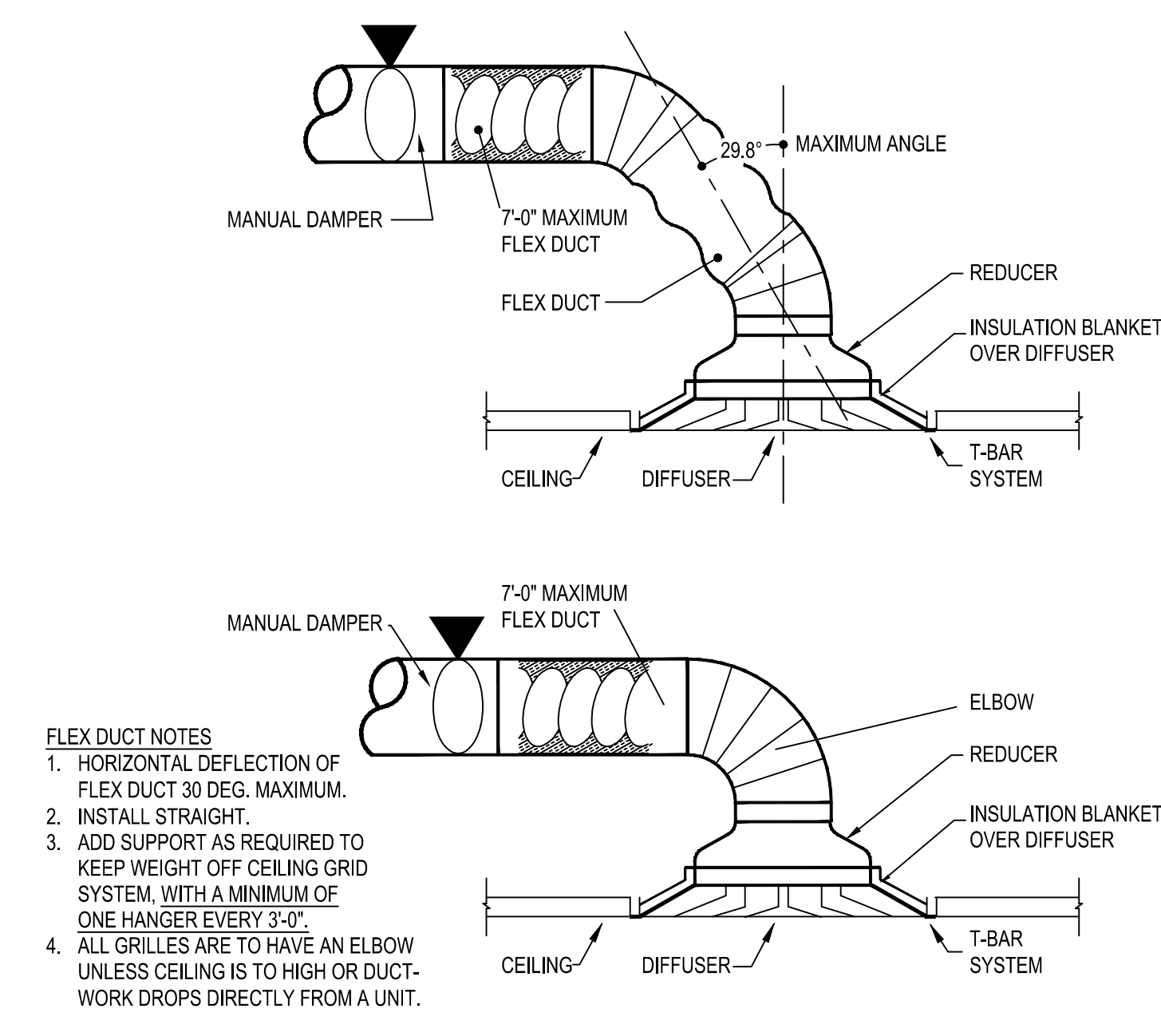
2 SENSOR MOUNTING  
N.T.S.



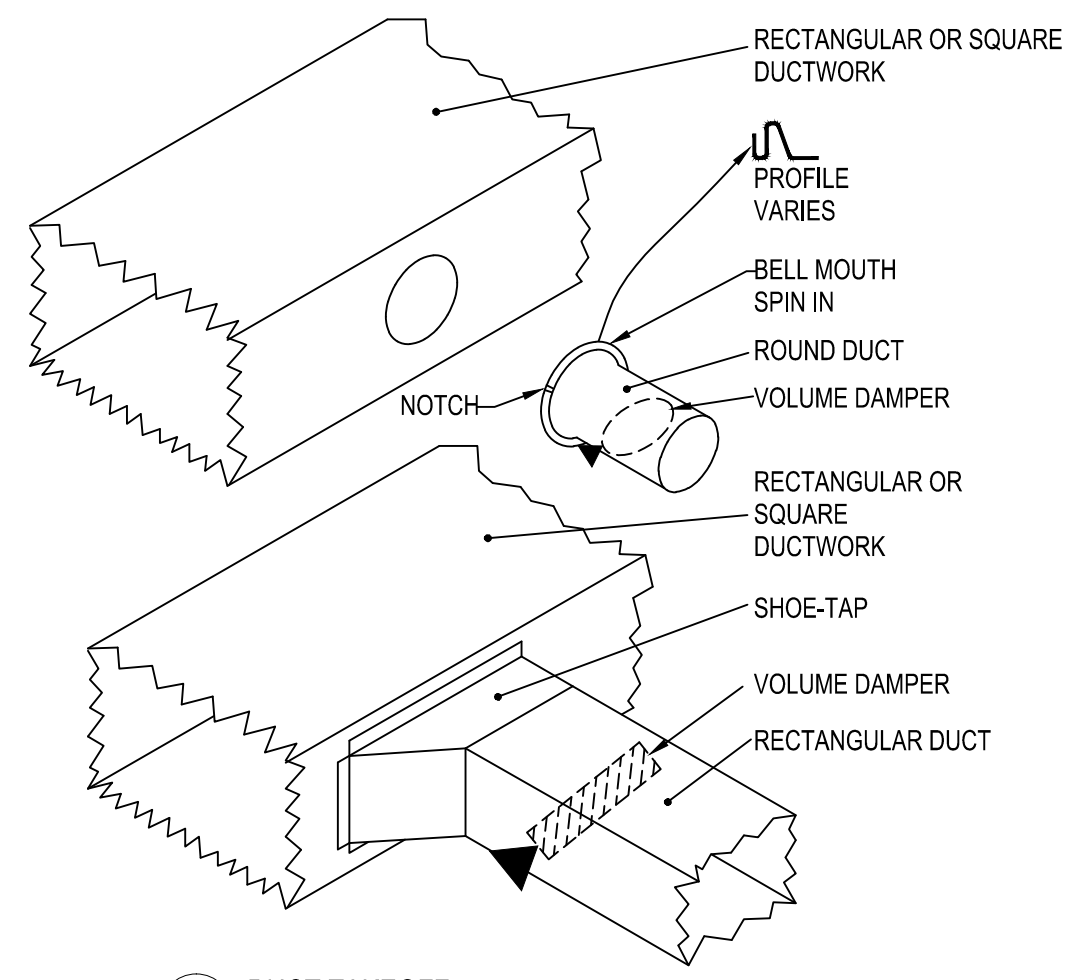
1 VAV BOX DUCT CONNECTION  
N.T.S.



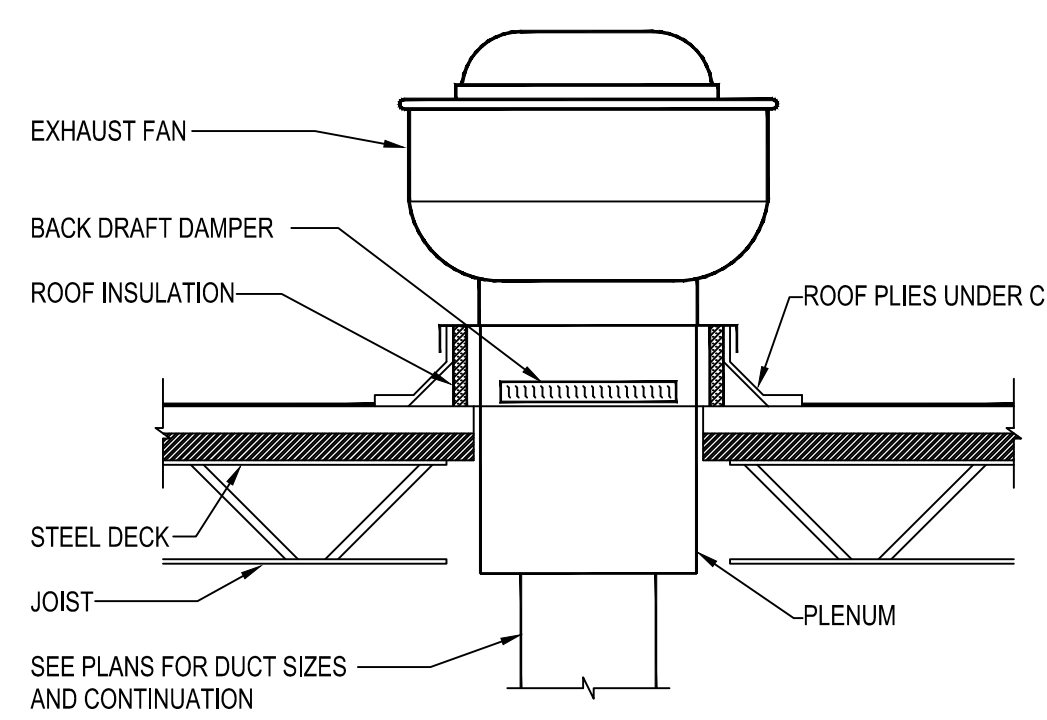
3 ROOM SENSOR INSULATION  
N.T.S.



4 SUPPLY DIFFUSER  
N.T.S.



6 DUCT TAKEOFF  
N.T.S.



5 ROOF UPBLAST EXHAUST FAN  
N.T.S.  
(NOT FOR USE WITH KITCHEN HOOD)



ISSUES	
1	07/01/16 ISSUE FOR CONSTRUCTION
2	
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REVISIONS	

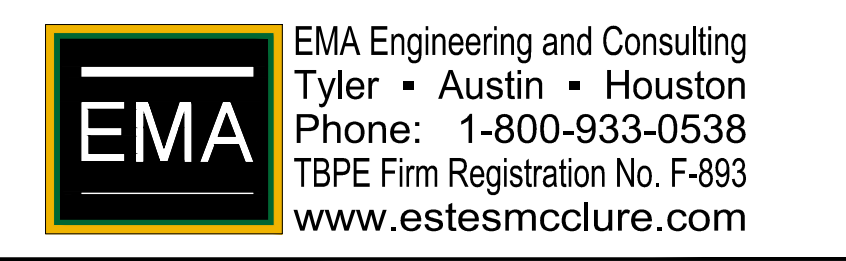


Cleburne ISD Training  
Room Modifications  
505 N. RIDGEWAY DR., CLEBURNE, TEXAS 76033

MECHANICAL FLOOR PLAN, DETAILS & SCHEDULES

JOB 15333.0000  
DATE 07/01/16  
SHEET

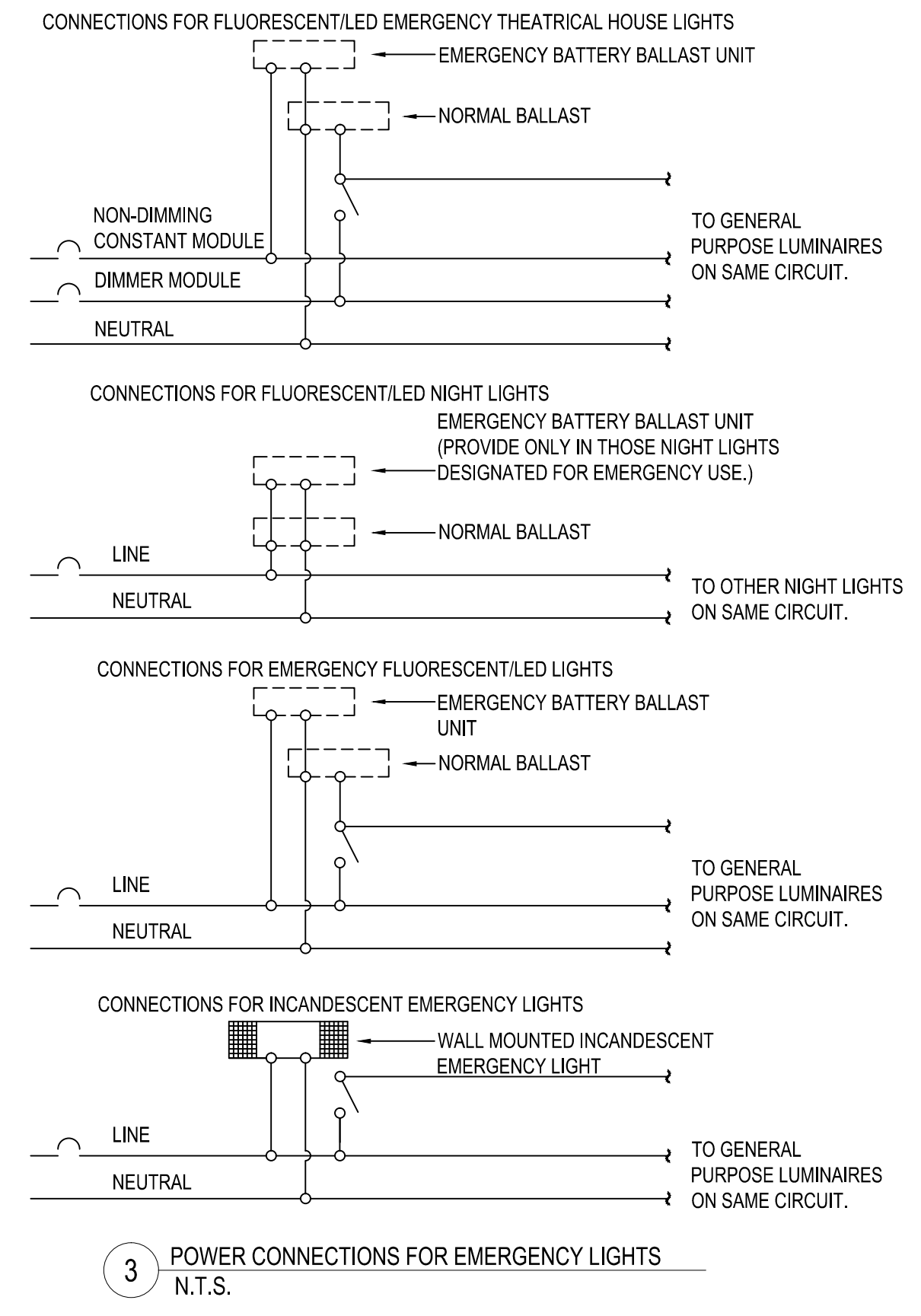
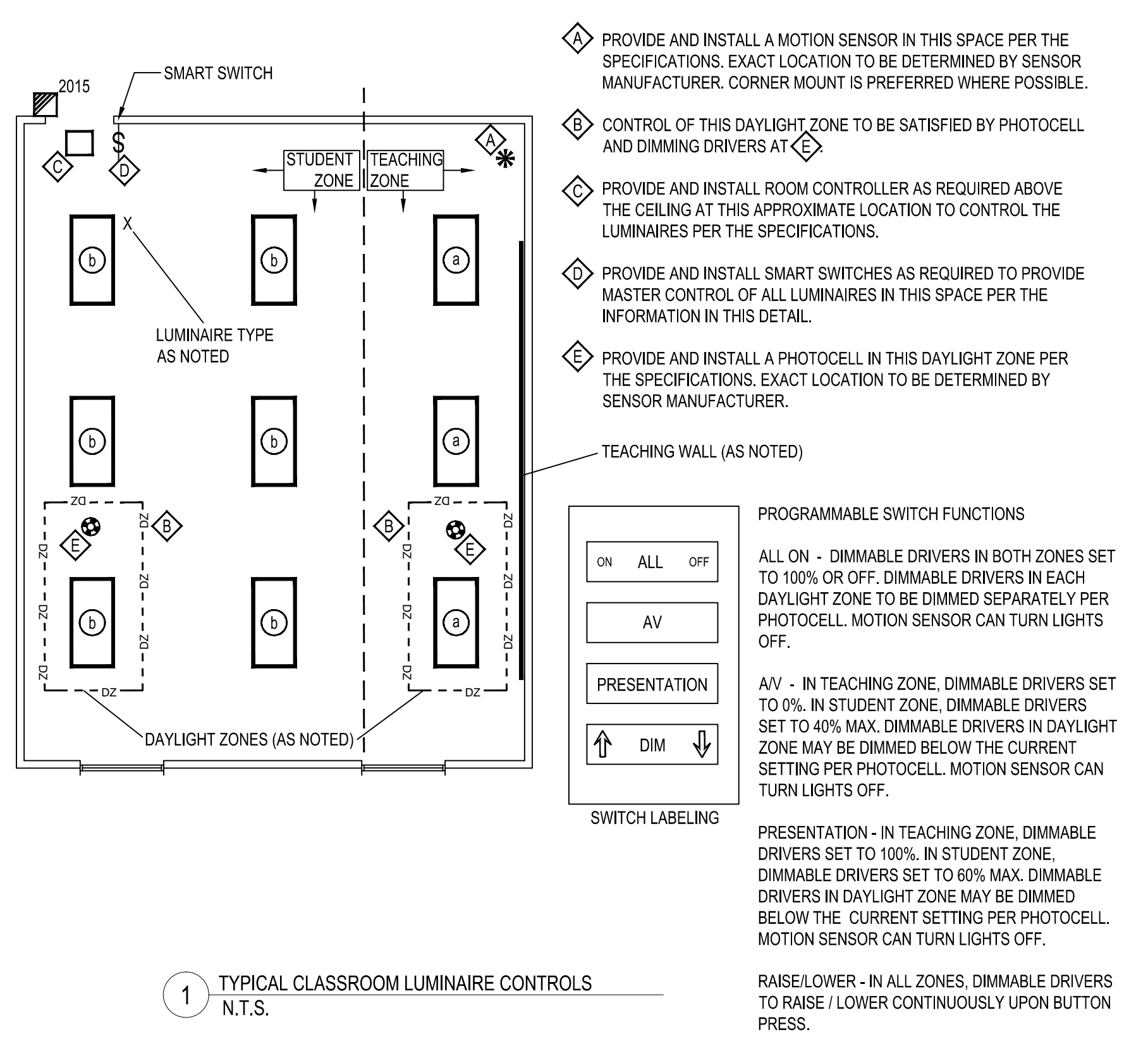
MH02-01



SUBMISSION OF BID WILL BE CONSIDERED ACKNOWLEDGMENT THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS VERIFIED ALL EXISTING JOB CONDITIONS AND INCLUDED ANY NECESSARY MODIFICATION TO EXISTING AND NEW WORK REQUIRED FOR INSTALLATION OF A COMPLETE AND WORKING SYSTEM.

ISSUES	
1	07/01/16 ISSUE FOR CONSTRUCTION
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REVISIONS	

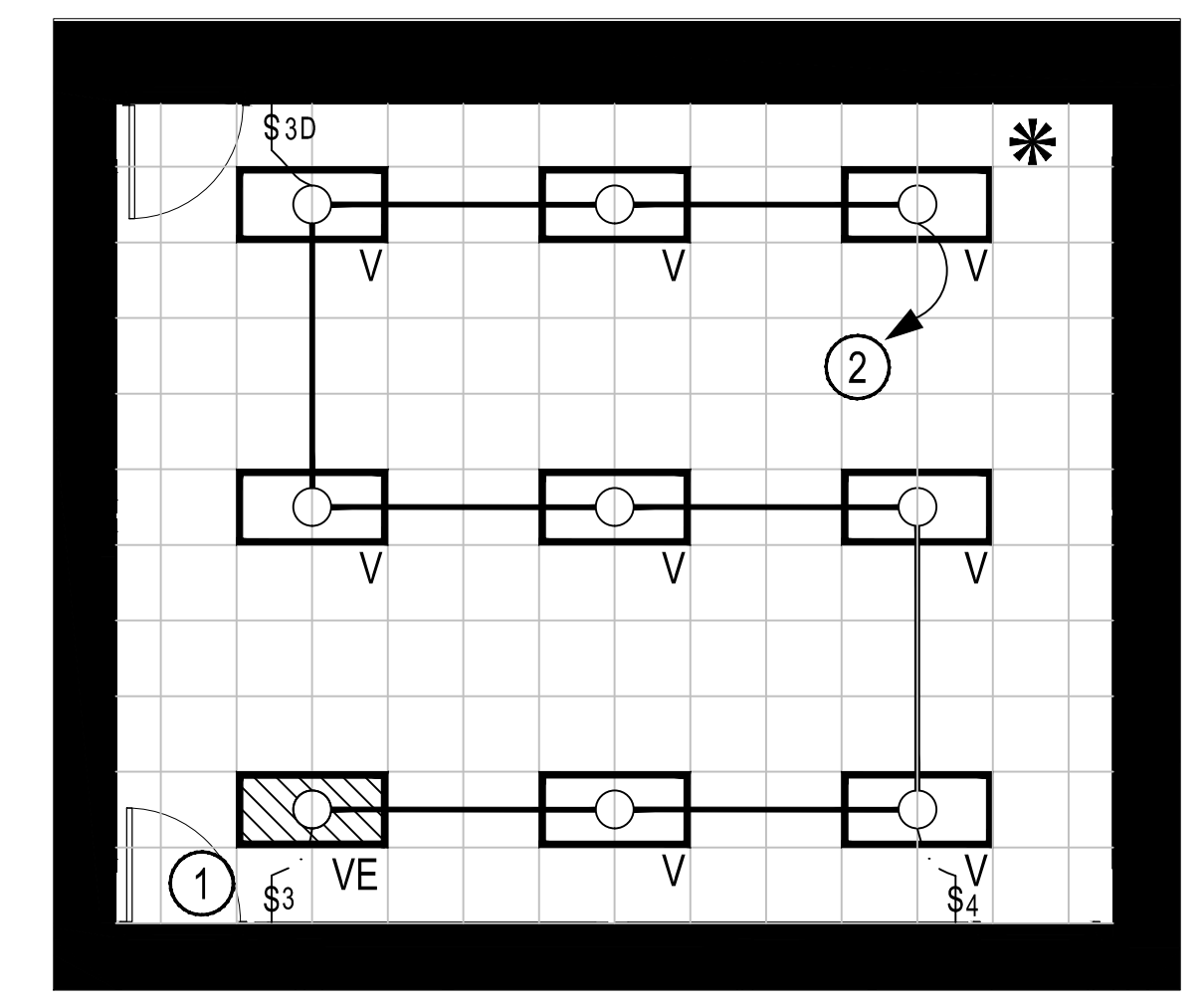
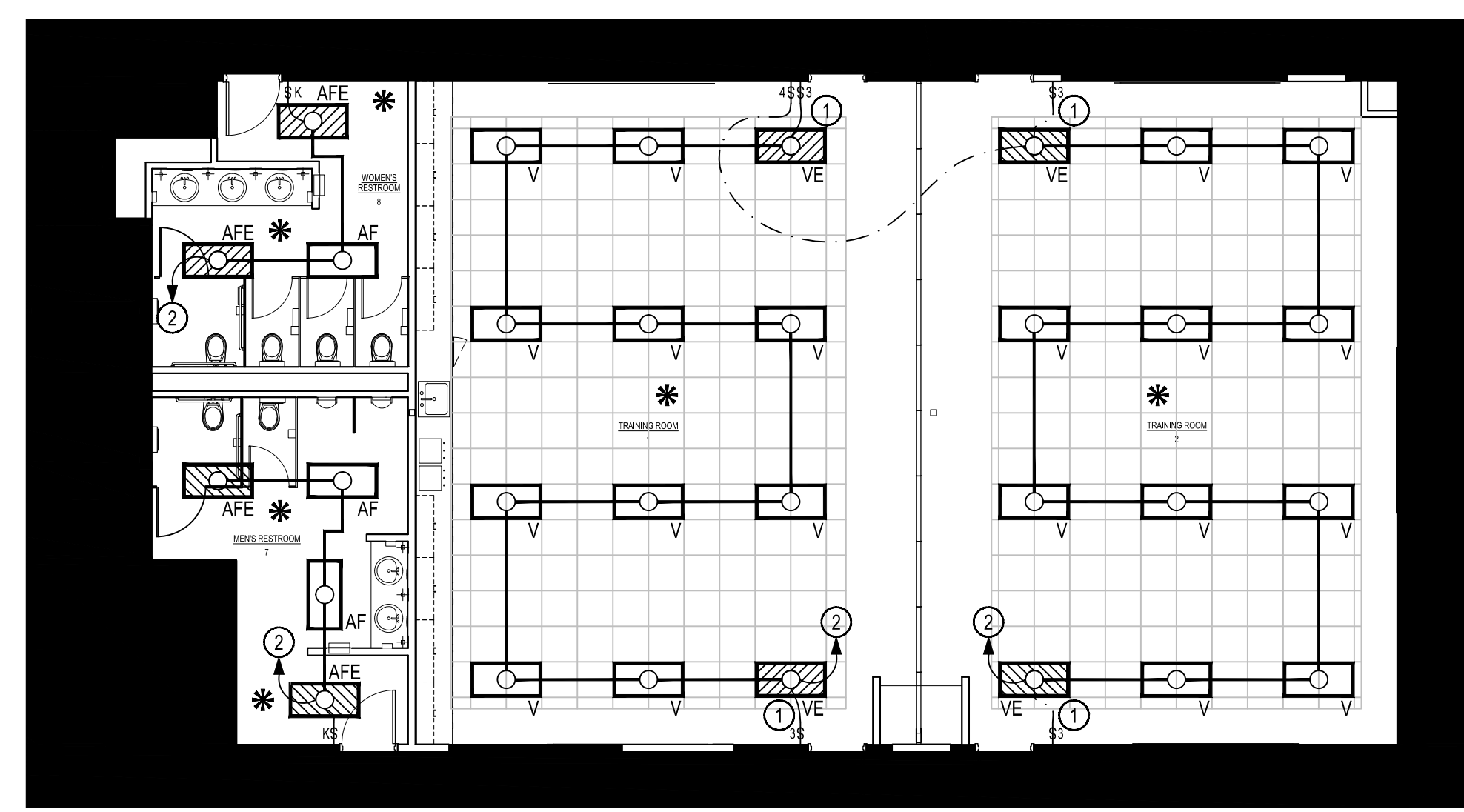
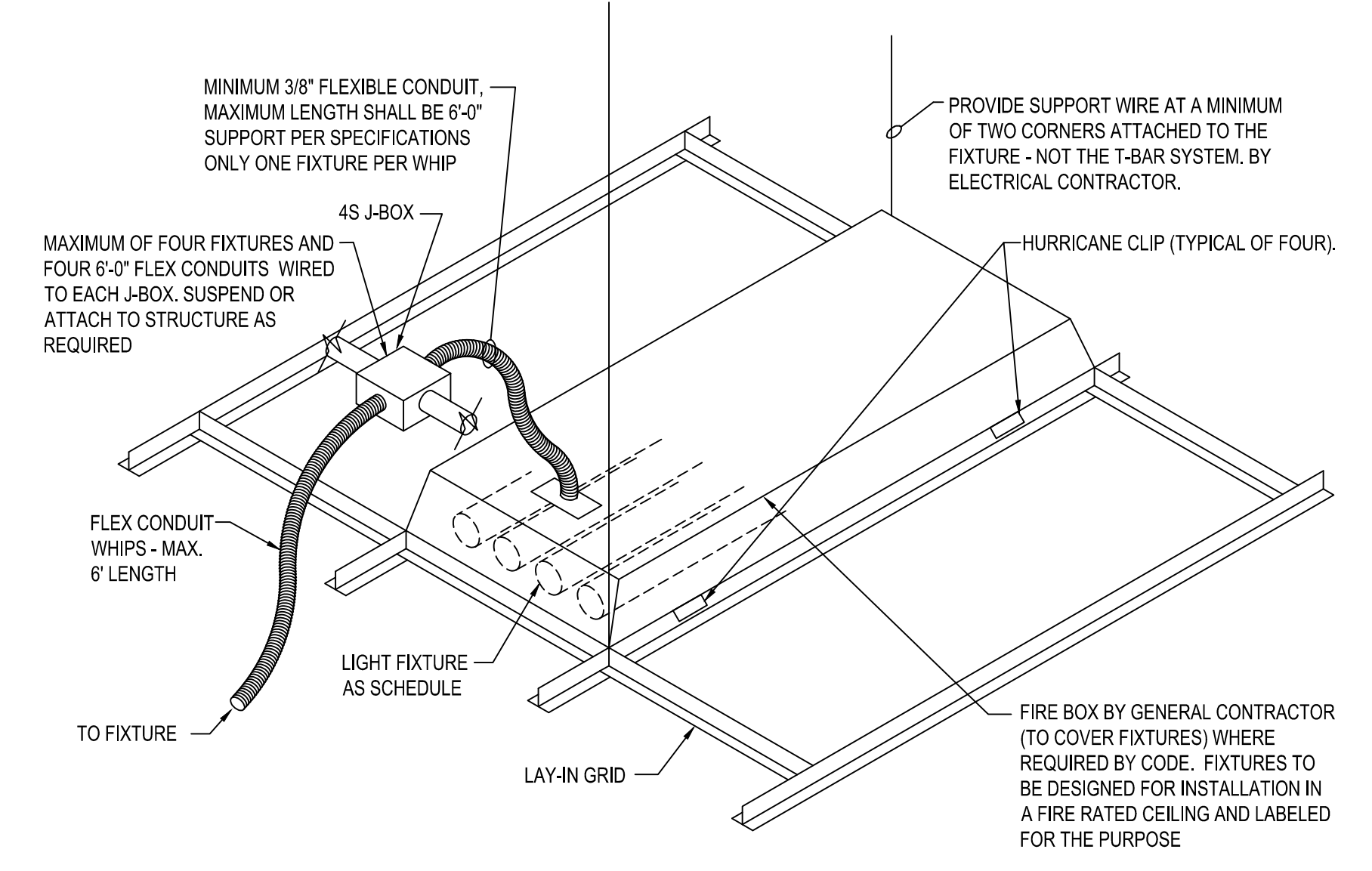


LIGHTING SYMBOLS	
SWITCH - 20A SINGLE POLE 2 POLE 3-WAY 4-WAY - 44" A.F.F. UNLESS NOTED	
SWITCH - 20A KEY OPERATED - 44" A.F.F. - PROVIDE 12 EXTRA KEYS FOR OWNER	
CUSTOM LEVITON SWITCH MADE FOR SIMPLY 5 DIMMING SYSTEM	
PROGRAMMABLE LOW VOLTAGE DIMMER SWITCHES (1-4 PER GANG)	
PROGRAMMABLE LOW VOLTAGE DIMMER SWITCH	
MOTION SENSOR - REFER TO SPECS FOR QUANTITY, LOCATION, TYPE, COMMISSIONING, ETC.	
DAYLIGHT SENSOR	
FLUORESCENT LUMINAIRE - RECESSED/SURFACE OR PENDANT MTD - SEE LUMINAIRE SCHEDULE & SPECS - LETTER INDICATES TYPE	
EMERGENCY FLUORESCENT LUMINAIRE - SWITCHABLE, BATTERY OPERATED	
EMERGENCY FLUORESCENT LUMINAIRE - NOT SWITCHED, BATTERY OPERATED - NIGHT LIGHT	
EMERGENCY FLUORESCENT LUMINAIRE - GENERATOR OPERATED - EMERGENCY NIGHT LIGHT	
LUMINAIRE - RECESSED/SURFACE OR PENDANT MTD - SEE LUMINAIRE SCHEDULE & SPECS - LETTER INDICATES TYPE	
EMERGENCY LUMINAIRE - BATTERY OPERATED/WALL MOUNTED/NOT SWITCHED, 7-6" A.F.F.	
ILLUMINATED EXIT SIGN - SWITCHABLE, BATTERY OPERATED	
EXTERIOR LUMINAIRE	
EXISTING FLUORESCENT LUMINAIRE - RECESSED/SURFACE OR PENDANT MTD - LETTER INDICATES TYPE	
EXISTING EMERGENCY FLUORESCENT LUMINAIRE - SWITCHABLE, BATTERY OPERATED	
EXISTING LUMINAIRE - RECESSED/SURFACE OR PENDANT MTD - LETTER INDICATES TYPE	
EXISTING EMERGENCY LUMINAIRE - BATTERY OPERATED/WALL MOUNTED/NOT SWITCHED, 7-6" A.F.F.	
EXISTING ILLUMINATED EXIT SIGN - SWITCHABLE, BATTERY OPERATED	
HOME RUN WITH CIRCUIT DESIGNATION(S) - LETTER DENOTES PANEL	
SWITCH CIRCUIT	
BRANCH CIRCUIT	
UNDERGROUND POWER CIRCUIT	
DAYLIGHTING ZONE - REFER TO DAYLIGHTING ZONE CONTROL DIAGRAM ON DETAIL SHEETS.	

- NOTES:
- SOME SYMBOLS MAY NOT BE USED.
  - ACCESSIBLE DEVICES HIGHEST OPERABLE PART TO BE 46" MAXIMUM/18" MINIMUM A.F.F. - REFER TO ARCHITECTURAL DRAWINGS.
  - DIMENSIONS GIVEN A-F.F. ARE TO BOTTOM OF BOX.

- LIGHTING GENERAL NOTES:
- ALL LUMINAIRE ARE TO BE TYPE "V" UNLESS OTHERWISE NOTED.
  - VERIFY ALL CEILING HEIGHTS AND TYPES WITH ARCHITECTURAL DRAWINGS BEFORE PROVIDING LUMINAIRE AND WIRING.
  - WHERE THE CEILING IS MORE THAN THREE FEET BELOW THE BOTTOM CHORD OF THE JOIST, ALL CONDUIT AND CABLES SHALL BE INSTALLED ON A TRAPEZOID SUPPORT AS SHOWN ON THE DETAILS. WHERE THE CEILING IS LESS THAN THREE FEET BELOW THE BOTTOM CHORD, ALL CONDUIT AND CABLES SHALL BE INSTALLED ABOVE THE BOTTOM CHORD OF THE JOIST. WHERE NO CEILING IS SCHEDULED, ALL CONDUIT AND CABLES SHALL BE INSTALLED UP AGAINST THE BOTTOM OF THE DECK.
  - SEE RECESSED, LAY-IN TYPE, FLUORESCENT LUMINAIRE DETAIL FOR LIGHTING SUPPORT.
  - ROUTE CONDUIT IN EXPOSED AREAS PERPENDICULAR OR PARALLEL TO WALLS. ROUTE CONDUIT AS HIGH AS POSSIBLE AND ROUTE CONDUIT RUNS ADJACENT TO EACH OTHER. CONDUIT SHALL BE ORDERLY AND NEAT.
  - EXISTING LUMINAIRE REMOVED AND NOT REUSED SHALL REMAIN PROPERTY OF THE OWNER.
  - SHADED AREAS INDICATE NO LIGHTING WORK IN THIS AREA. REMOVE CEILING AND REPLACE AS REQUIRED FOR WIRING RUNS.
  - TO MEET THE REQUIREMENTS OF IECC 2012, VACANCY SENSORS SHALL BE INSTALLED IN ALL SPACES A MOTION SENSOR SYMBOL IS SHOWN EXCEPT FOR THE SPACES LISTED IN SPECIFICATION SECTION 26 09 23.13. MOTION SENSOR LIGHTING CONTROLS. REFER TO SPECIFICATION SECTION 26 09 23.13 FOR MORE INFORMATION. SENSOR LOCATION, QUANTITY AND TYPE SHALL BE DETERMINED IN ACCORDANCE WITH SPECIFICATION SECTION 26 09 23.13.

- LIGHTING PLAN NOTES:
- REFER TO TYPICAL CLASSROOM LUMINAIRE CONTROLS DETAIL ON THIS SHEET FOR LUMINAIRE CONTROL INFORMATION IN THIS SPACE.
  - PROVIDE POWER FROM EXISTING LIGHTING CIRCUIT IN THIS SPACE. EXTEND CONDUIT AND WIRING AS NECESSARY.

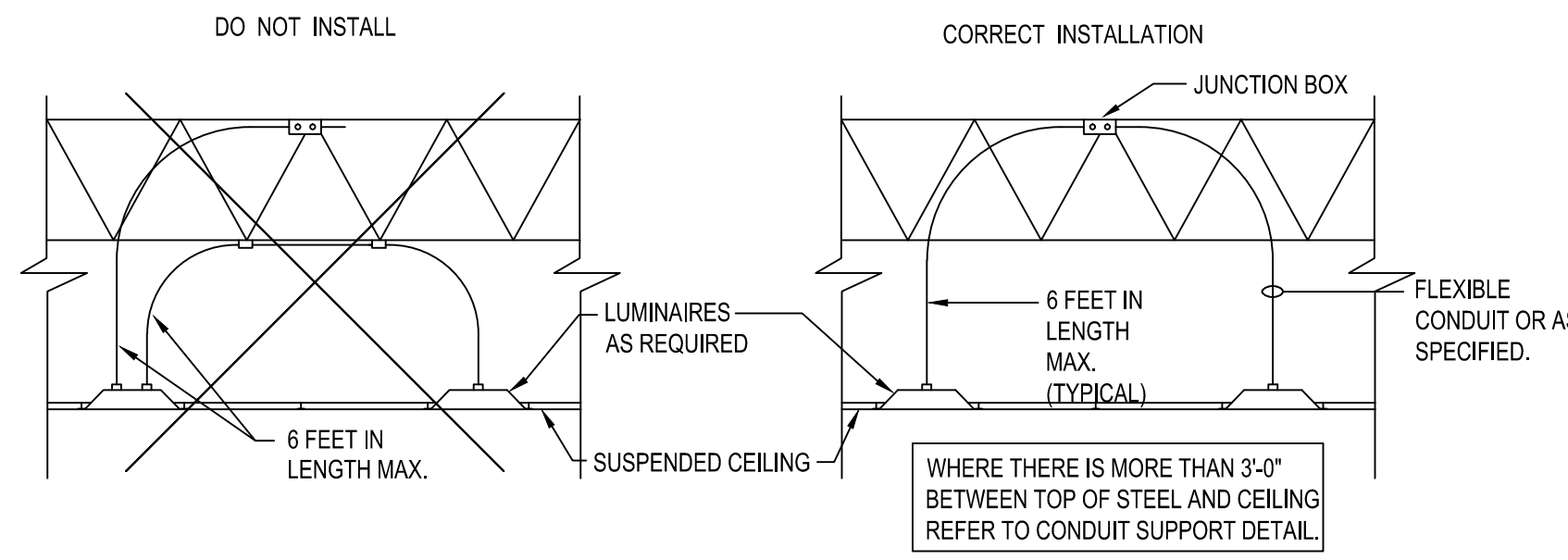


**LUMINAIRE SCHEDULE FOR CLEBURNE ISD - TRAINING RM RENOVATIONS**

Unless otherwise indicated, all fluorescent ballasts are to be PS with a minimum B.F. of .87. All HID ballasts are to be EL with a minimum B.F. of 1. Ballasts & Drivers that exceed max V.A. or operate below minimum B.F. will not be accepted.

TYPE	DESCRIPTION	PART NUMBERS	LAMPS	QTY	BALLASTS / DRIVERS	VOLTS	MAX VA
AF	GYP BOARD MOUNTED GENERAL PURPOSE LED 2X4 TROFFER WITH 3000 LAMPS. OPTIONS INCLUDE : 0-10V DIM, COLOR: STANDARD	LITHONIA #2GTL4-30L-MVOLT-E21-LP8XX-DGA24 COLUMBIA EQUAL METALUX #24GR-LD4-30-F1-UNV-L8XX-CD1-U-DF-24-W LSI EQUAL DAYBRITE EQUAL	3000 LUMEN 4100K -INCLUDED	1	32W DRIVER -INCLUDED	MULTI	32
AFE	GYP BOARD MOUNTED EMERGENCY GENERAL PURPOSE LED 2X4 TROFFER WITH 3000 LAMPS. OPTIONS INCLUDE : 0-10V DIM, COLOR: STANDARD	LITHONIA #2GTL4-30L-MVOLT-E21-LP8XX-EL14L-DGA24 COLUMBIA EQUAL METALUX #24GR-LD4-30-F1-UNV-EL14W-L8XX-CD1-U-DF-24-W LSI EQUAL DAYBRITE EQUAL	3000 LUMEN 4100K -INCLUDED	1	32W DRIVER -INCLUDED	MULTI	32
V	T-GRID MOUNTED DIRECT/ INDIRECT LED 2X4 TROFFER WITH 4800 LAMPS. OPTIONS INCLUDE : 0-10V DIM, COLOR: STANDARD	LITHONIA #2VTL4-48L-ADP-MVOLT-E21-LP8XX COLUMBIA LTR24-XXVLG-RFA-EDU METALUX #24CZ-LD4-50-UNV-L8XX-CD1-U LSI EQUAL DAYBRITE #2AVEG40L848-4-ACR-UNV-DIM	4800 LUMEN 4100K -INCLUDED	1	47W DRIVER -INCLUDED	MULTI	47
VE	T-GRID MOUNTED EMERGENCY DIRECT/ INDIRECT LED 2X4 TROFFER WITH 4800 LAMPS. OPTIONS INCLUDE : 0-10V DIM, COLOR: STANDARD	LITHONIA #2VTL4-48L-ADP-MVOLT-E21-LP8XX-EL14L COLUMBIA LTR24-XXVLG-RFA-EDU-ELL14 METALUX #24CZ-LD4-50-UNV-EL14-L8XX-CD1-U LSI EQUAL DAYBRITE #2AVEG40L848-4-ACR-UNV-DIM-EMLED	4800 LUMEN 4100K -INCLUDED	1	47W DRIVER -INCLUDED	MULTI	47

NO SUBSTITUTES TO ANY LISTED FIXTURE WILL BE ACCEPTED!



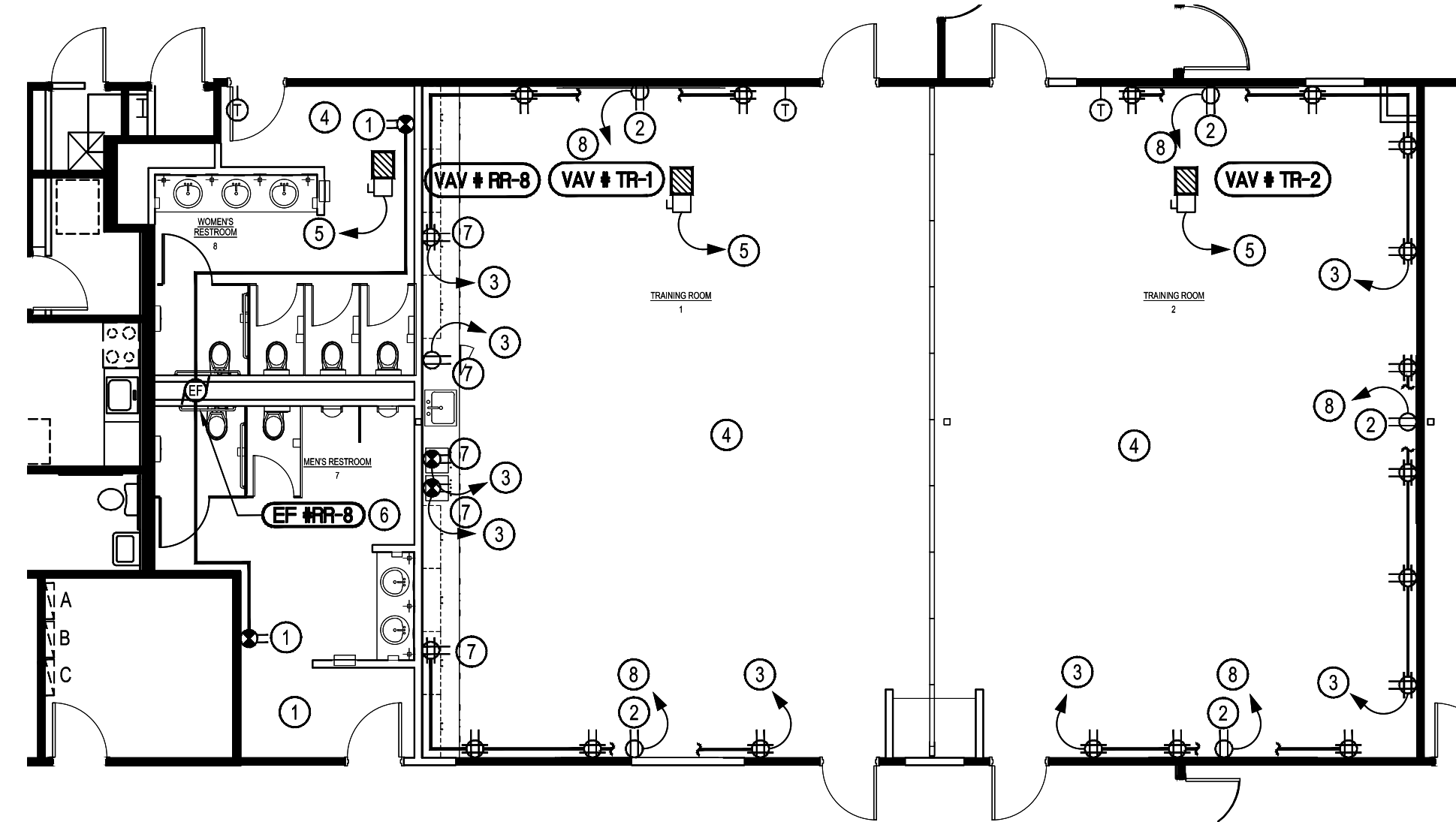
**EMA** Engineering and Consulting  
 Tyler • Austin • Houston  
 Phone: 1-800-933-0538  
 TBPE Firm Registration No. F-893  
 www.estesrnclosure.com

SUBMISSION OF BID WILL BE CONSIDERED ACKNOWLEDGMENT THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS VERIFIED ALL EXISTING JOB CONDITIONS AND INCLUDED ANY NECESSARY MODIFICATION TO EXISTING AND NEW WORK REQUIRED FOR INSTALLATION OF A COMPLETE AND WORKING SYSTEM.

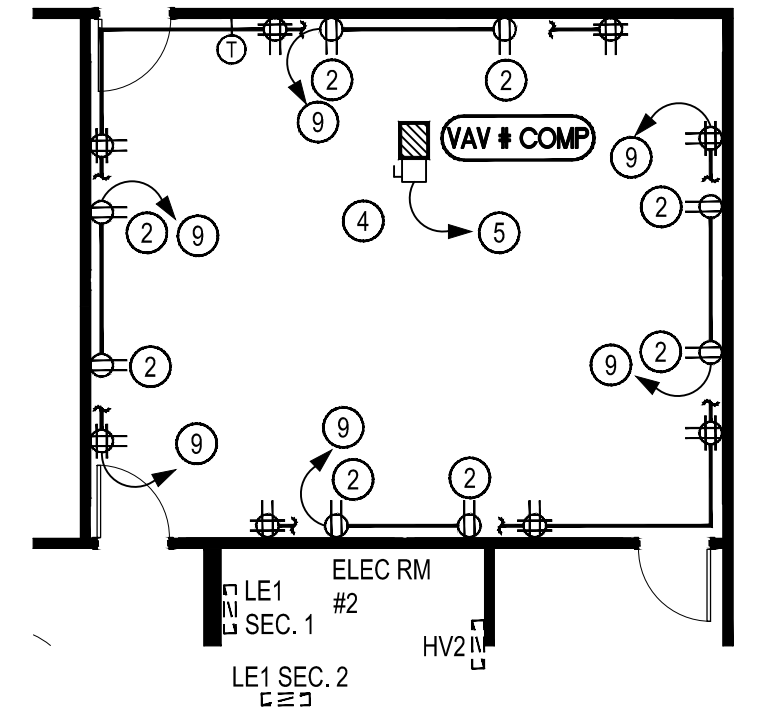
**LIGHTING FLOOR PLAN, SYMBOLS & SCHEDULE**

**JOB** 15333.0000  
**DATE** 07/01/16  
**SHEET**

**EL02-01**

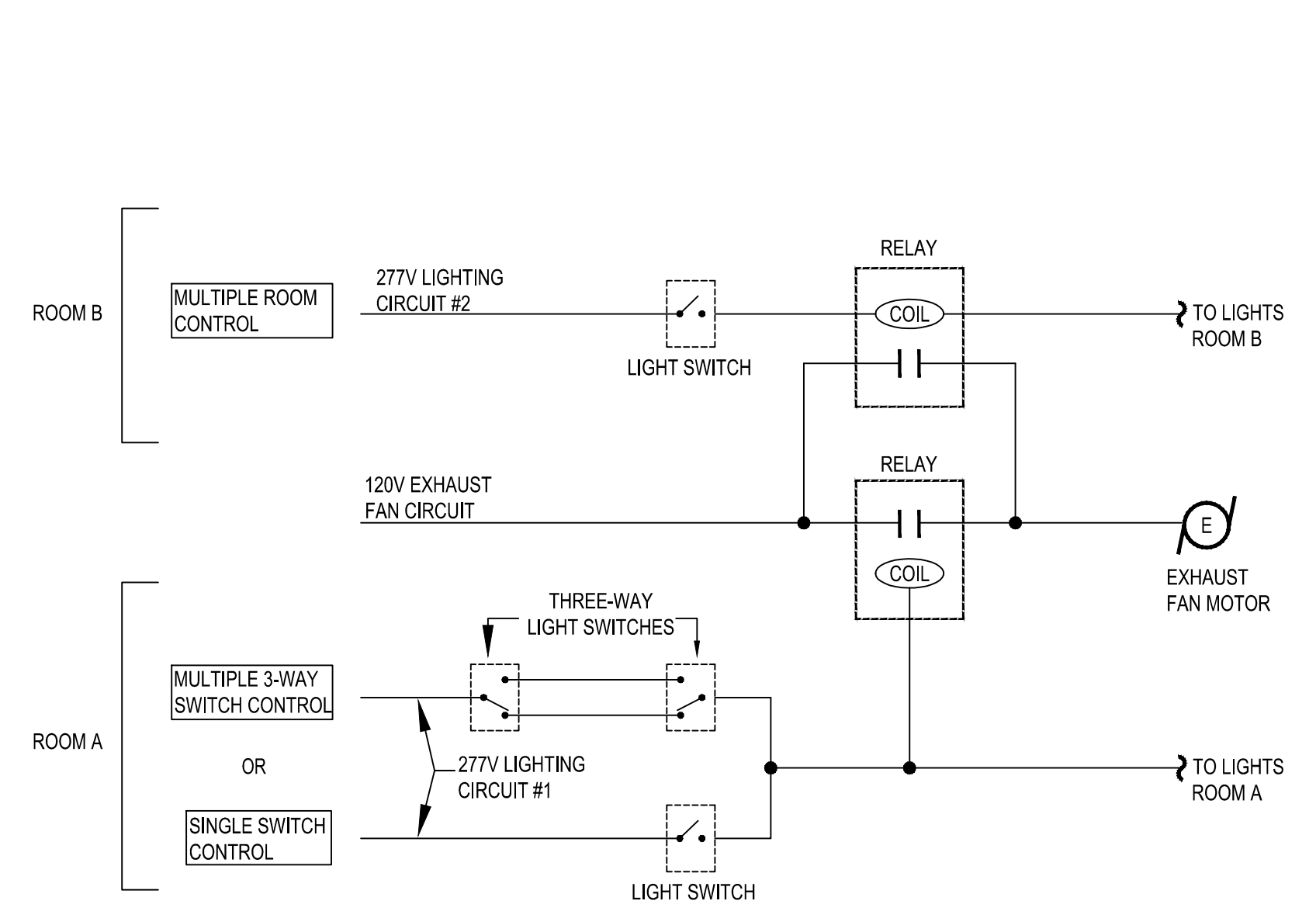


1 ELECTRICAL FLOOR PLAN  
1/8"=1'-0"

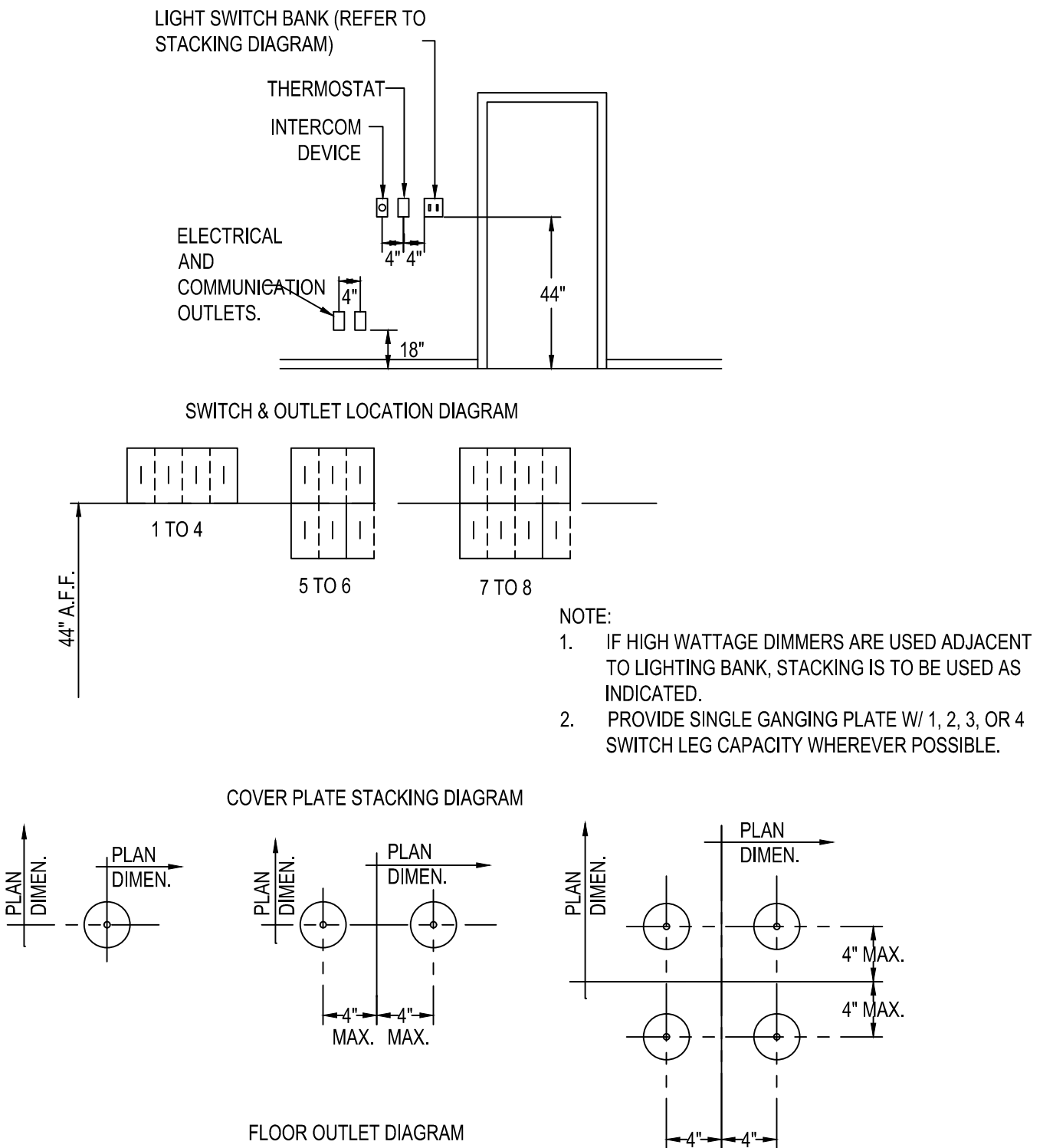


2 ELECTRICAL FLOOR PLAN  
1/8"=1'-0"

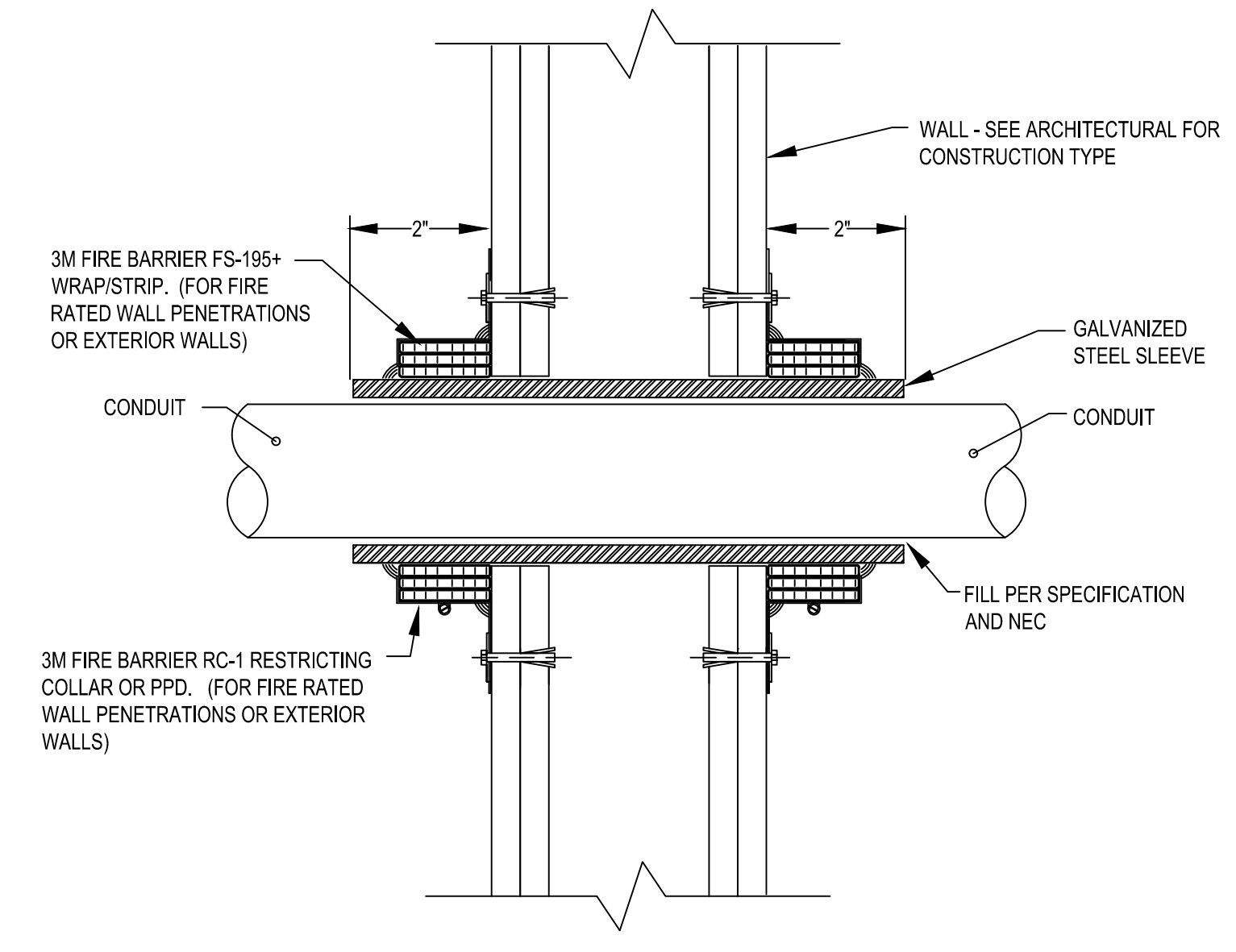
- ELECTRICAL GENERAL NOTES:**
- VERIFY ALL INSTALLATION HEIGHTS OF RECEPTACLES WITH ARCHITECTURAL CASEWORK DETAILS BEFORE ROUGH-IN.
  - VERIFY WHITEBOARD AND TACKBOARD LOCATIONS WITH ARCHITECTURAL PLANS - DO NOT INSTALL DEVICES IN THESE AREAS.
  - EXACT MECHANICAL EQUIPMENT LOCATIONS AND TYPE SHALL BE COORDINATED WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR. DO NOT INSTALL CONDUIT/CABLING WITHIN 3'-0" OF ANY HVAC UNIT UNLESS THE CONDUIT AND/OR CABLING SERVES THAT UNIT.
  - REFER TO MECHANICAL DRAWINGS FOR SENSOR LOCATIONS. PROVIDE CONDUIT AND BOXES FOR SENSORS. REFER TO SENSOR INSTALLATION DETAIL.
  - ALL CONDUIT AND/OR CABLING SHALL BE INSTALLED BETWEEN THE BOTTOM AND TOP CHORD OF JOIST. WHERE NO CEILINGS ARE SCHEDULED, ALL CONDUIT SHALL BE UP AGAINST BOTTOM OF THE TOP CHORD.
  - COORDINATE CONDUIT ROOF PENETRATIONS WITH MECHANICAL ROOF TOP UNITS AND/OR THRU HOODED PLUMBING PENETRATIONS TO CONDENSING UNITS.
  - REFER TO ELECTRICAL COMMUNICATION DRAWINGS FOR GENERAL LOCATION OF CONDUIT AND BOXES SUPPLIED BY THIS CONTRACTOR IN BASE BID.
  - UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS, PROVIDE A LISTED MANUAL MOTOR-CIRCUIT SWITCH AS A DISCONNECTING MEANS AT EACH MOTOR. FOR MOTORS SHOWN WITH 'MS' PROVIDE A LISTED MANUAL MOTOR-CIRCUIT SWITCH WITH OVERLOAD PROTECTION AS A DISCONNECTING MEANS AT EACH MOTOR.
  - PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH CIRCUIT. MULTIPLE CIRCUITS SHALL NOT SHARE A COMMON NEUTRAL. NEUTRAL CONDUCTORS SHALL BE SIZED AS LARGE AS THE PHASE CONDUCTORS. NEUTRAL CONDUCTORS SHALL NOT BE OF A REDUCED SIZE.



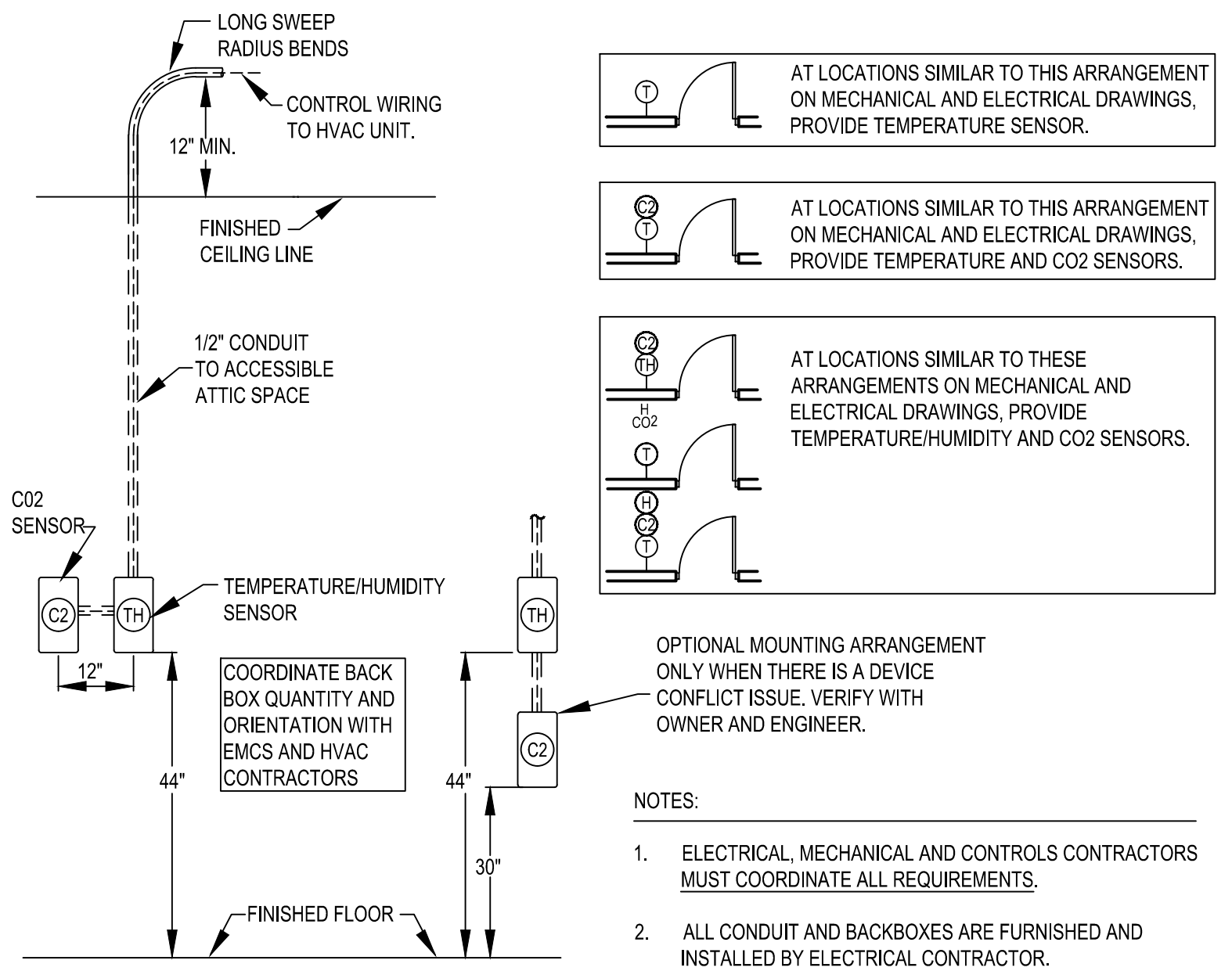
1 SWITCHING FOR EXHAUST FAN & LIGHTS  
N.T.S.



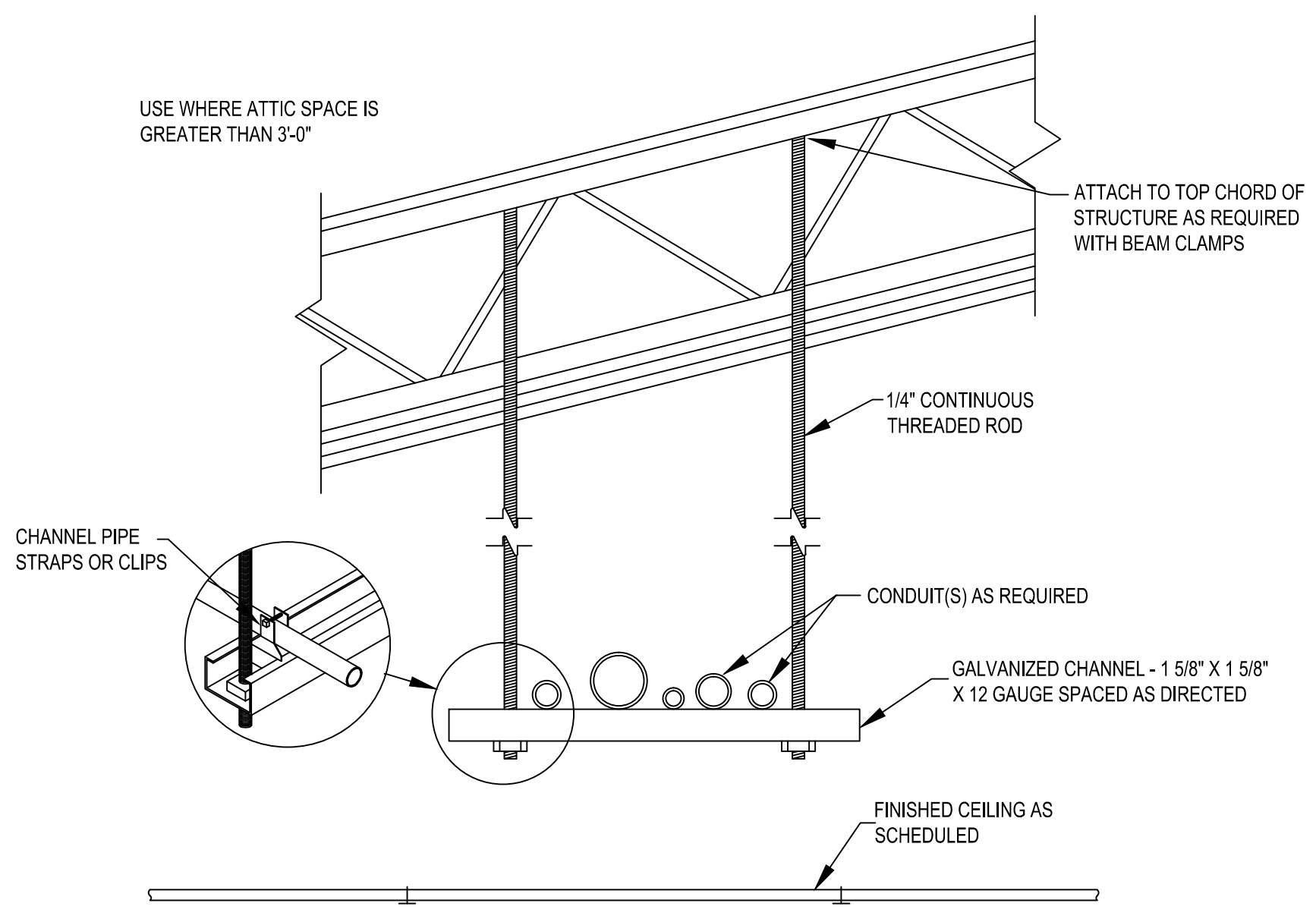
3 OUTLET DIAGRAM  
N.T.S.



5 WALL PENETRATION  
N.T.S.



2 SENSOR MOUNTING DETAIL  
N.T.S.



4 CONDUIT SUPPORT  
N.T.S.

ELECTRICAL POWER SYMBOLS	
	DUPLEX RECEPTACLE - 18" A.F.F. OR AS NOTED
	QUAD RECEPTACLE - 18" A.F.F. OR AS NOTED
	GFCI DUPLEX RECEPTACLE - 6" ABOVE MILLWORK BACKSLASH IF SHOWN ON MILLWORK OR 18" A.F.F. - VERIFY MILLWORK LOCATION WITH ARCHITECT.
	PLUMBING SENSORS POWER - CONNECT TO MECHANICAL/PLUMBING TRANSFORMER(S)
	AUDIO/VISUAL POWER OUTLET - CEILING OR WALL MOUNTED. SEE COMMUNICATIONS DETAILS.
	EXHAUST FAN - PROVIDED BY MECHANICAL OR AS NOTED WITH MOTOR SWITCH WITH OVERLOAD SQ.D. CLASS 2510 IN NEMA ENCLOSURE (TYPE K) OR AS NOTED
	SAFETY SWITCH - MOUNT 30" ABOVE FINISH GRADE MAX. OR AS DIRECTED
	HOME RUN WITH CIRCUIT DESIGNATION(S) - LETTER DENOTES PANEL
	SWITCH CIRCUIT
	BRANCH CIRCUIT
	UNDERGROUND POWER CIRCUIT

- NOTES:**
- SOME SYMBOLS MAY NOT BE USED.
  - ACCESSIBLE DEVICES HIGHEST OPERABLE PART TO BE 48" MAXIMUM/18" MINIMUM A.F.F. - REFER TO ARCHITECTURAL DRAWINGS.
  - DIMENSIONS GIVEN A.F.F. ARE TO BOTTOM OF BOX.

- ELECTRICAL PLAN NOTES:**
- GFCI OUTLET INSTALLED 18" A.F.F.
  - PROVIDE AND INSTALL A DUPLEX OUTLET IN TECHNOLOGY BACK-BOX AT THIS APPROXIMATE LOCATION FOR SHORT THROW PROJECTOR. CIRCUIT THIS OUTLET WITH THE TEACHER PC OUTLET IN THIS ROOM. COORDINATE EXACT MOUNTING HEIGHT WITH TECHNOLOGY.
  - PROVIDE POWER TO THIS GROUP OF RECEPTACLES USING A SPARE SINGLE POLE, 20A BREAKER FROM EXISTING PANEL "X". PROVIDE #12 WIRE.
  - ALL EXISTING VAV BOXES IN THIS SPACE ARE TO BE REMOVED AND REPLACED. REMOVE WIRE, CONDUIT, DISCONNECT AND BREAKERS ASSOCIATED WITH THESE UNITS BACK TO SOURCE.
  - PROVIDE POWER TO NEW VAV BOX FROM SPACE LEFT IN PANEL FROM DEMOLISHED VAV BOX. PROVIDE A NEW 3P 40A BREAKER WITH #8 WIRE. PROVIDE A NEW 60A DISCONNECT WITH 40A FUSES.
  - EXHAUST FAN CONTROLLED BY ENERGY MANAGEMENT CONTROL SYSTEM. PROVIDE MECHANICALLY HELD CONTACTORS AS NECESSARY.
  - OUTLET MOUNTED 6" ABOVE MILLWORK BACKSLASH.
  - PROVIDE POWER TO THESE OUTLETS FROM EXISTING PANEL "A". PROVIDE A SINGLE POLE, 20 AMP BREAKER WITH #12 WIRE. CIRCUIT A MAXIMUM OF 3 OUTLETS PER CIRCUIT.
  - PROVIDE POWER FOR EXISTING PANELS IN ELEC ROOM #2. PROVIDE A SINGLE POLE, 20 AMP BREAKER WITH #12 WIRE.



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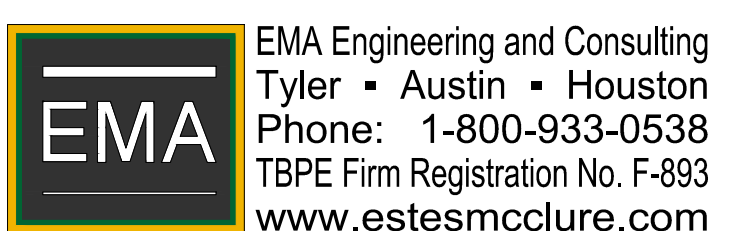


# Cleburne ISD Training Room Modifications

505 N. RIDGEWAY DR., CLEBURNE, TEXAS 76033

**ELECTRICAL FLOOR PLAN**

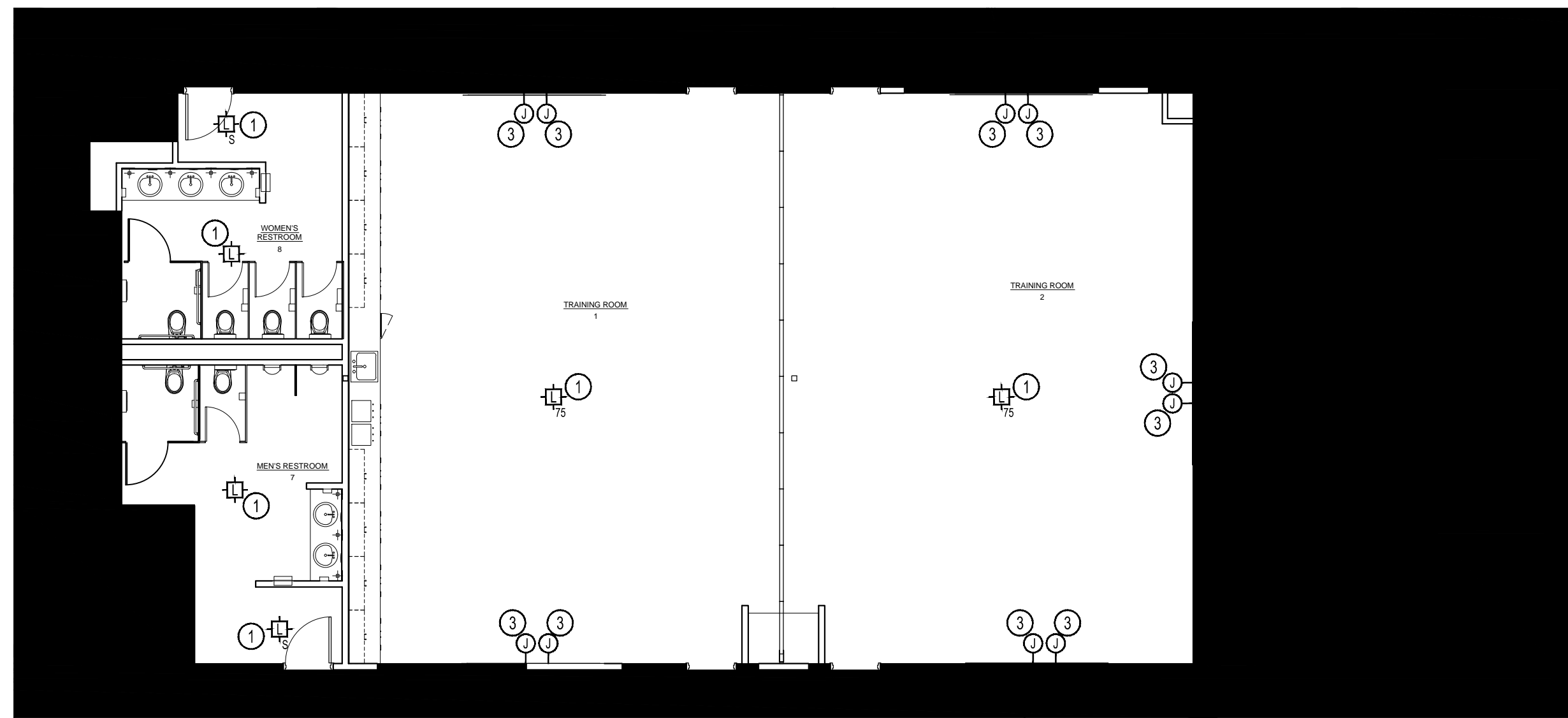
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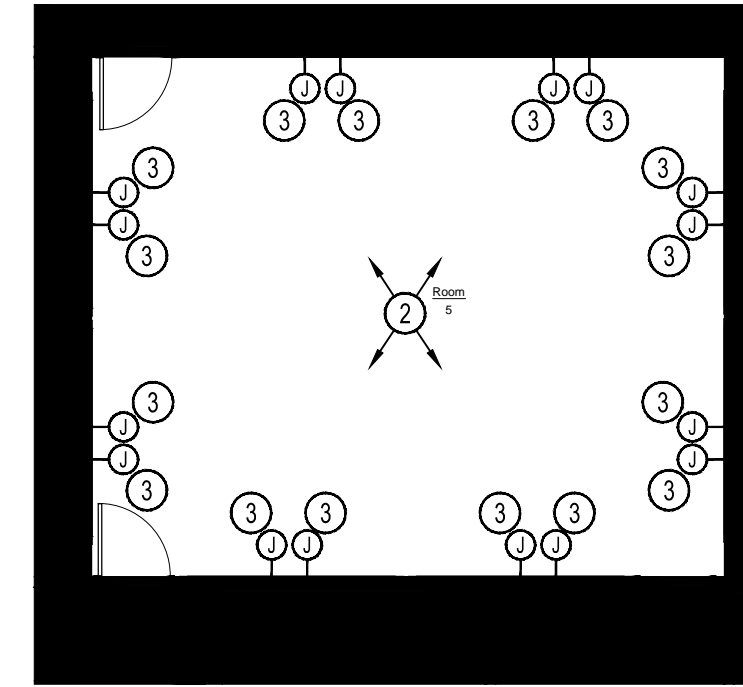
EMA Engineering and Consulting  
Tyler • Austin • Houston  
Phone: 1-800-933-0538  
TBPE Firm Registration No. F-893  
www.estesmclure.com

SUBMISSION OF BID WILL BE CONSIDERED ACKNOWLEDGMENT THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS VERIFIED ALL EXISTING JOB CONDITIONS AND INCLUDED ANY NECESSARY MODIFICATION TO EXISTING AND NEW WORK REQUIRED FOR INSTALLATION OF A COMPLETE AND WORKING SYSTEM.





1 ELECTRICAL COMMUNICATIONS FLOOR PLAN  
1/8"=1'-0"



COORDINATE WITH OWNERS CONTRACTOR FOR ALL DATA AND AV BACKBOX LOCATIONS PRIOR TO ROUGH-INS.

FIRE ALARM PLAN NOTES:

- 1 NEW FIRE ALARM DEVICE. MATCH TO EXISTING AND ADD TO EXISTING CIRCUIT.
- 2 EXISTING FIRE ALARM DEVICES TO REMAIN IN PLACE AND OPERATIONAL.
- 3 JUNCTION BOX FOR OWNER PROVIDED EQUIPMENT. MOUNT JUNCTION BOX 12" BELOW CEILING.

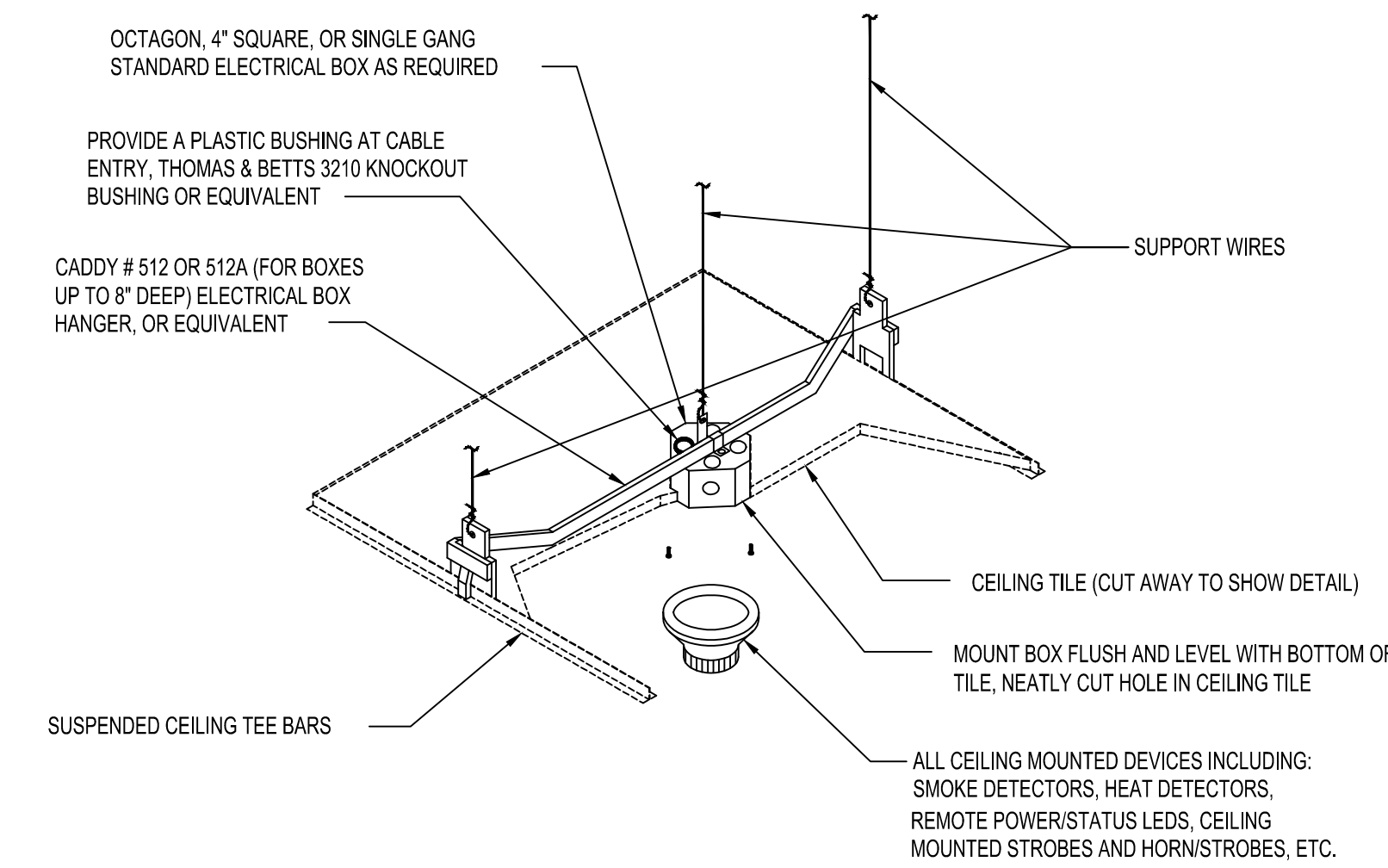
FIRE ALARM GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT AND STANDARD BACKBOXES FOR SYSTEMS SHOWN ON THIS DRAWING IN BASE PROPOSAL.
2. IN ANY EXPOSED AREAS SUCH AS GYMNASIUMS, SHOPS, FIELD HOUSES, JANITORS CLOSETS, OR MECHANICAL/ELECTRICAL ROOMS ALL LOW VOLTAGE CABLING SHALL BE ENCLOSED IN CONDUIT.
3. ALL COMMUNICATIONS CABLING SHALL RUN DOWN THE CORRIDORS AND BRANCH OFF TO EACH CLASSROOM. TRUNKING SHALL BE RUN PRIMARILY PERPENDICULAR TO BUILDING WALLS AND SHALL NOT BE RUN OVER CLASSROOMS.
4. WHERE NO FINISHED CEILINGS ARE SCHEDULED ALL DEVICES, CONDUIT, AND BACKBOXES SHALL BE INSTALLED UP AGAINST BOTTOM OF DECK AND SHALL NOT PROTRUDE BELOW BOTTOM OF STEEL. THE ARCHITECT SHALL APPROVE ROUTING OF ALL EXPOSED ROUGH-INS PRIOR TO PLACEMENT.
5. ANY SIGNAL, OUTLET OR OTHER DEVICE MOUNTED ON A COLUMN, PILASTER, OR SIMILAR WALL OFFSET AREA SHALL BE CENTERED.
6. COORDINATE MOUNTING HEIGHT OF DEVICES ABOVE MILLWORK WITH ARCHITECTURAL PLANS.
7. VERIFY MARKERBOARD, TACKBOARD, AND DOOR SWING LOCATIONS WITH ARCHITECTURAL PLANS - DO NOT INSTALL DEVICES IN THESE AREAS.
8. COORDINATE EXACT LOCATION OF ALL DEVICES, ETC. INSTALLED IN MOVEABLE FURNITURE WITH ARCHITECT AND OWNER.
9. CONFIRM ALL COMMUNICATIONS DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. THE ARCHITECT RESERVES THE RIGHT TO LOCATE DEVICES ANYWHERE WITHIN EACH ROOM AND DETERMINE SURFACE RACEWAY ROUTING IF APPLICABLE.
10. COORDINATE EXACT MECHANICAL EQUIPMENT LOCATION AND TYPE WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR. DO NOT INSTALL CONDUIT WITHIN 3'-0" OF ANY HVAC UNIT UNLESS THE DEVICE SERVES THAT UNIT.
11. FIRE ALARM CONTRACTOR SHALL PROVIDE DUCT MOUNTED SMOKE DETECTORS AND CONTROL RELAYS WHERE REQUIRED. MECHANICAL CONTRACTOR SHALL INSTALL HOUSING AND SAMPLE TUBES IN DUCT. FIRE ALARM CONTRACTOR TO PROVIDE LOW VOLTAGE CONNECTION TO FIRE ALARM.
12. FIRE ALARM CONTRACTOR SHALL VERIFY CIRCUIT STYLE, QUANTITY, AND LOCATION OF DEVICES TO MEET ALL APPLICABLE CODES, LAWS, AND ALL REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION FOR INCLUSION IN BASE PROPOSAL.

ELECTRICAL COMMUNICATIONS SYMBOLS

□	FIRE ALARM MANUAL PULL STATION - WALL MOUNTED DEVICE BACKBOX 44" A.F.F.
□	FIRE ALARM EXTERIOR SIGNAL - WEATHERPROOF, WALL MOUNTED 10"Ø A.F.F.
□	FIRE ALARM STROBE/HORN 'XX' DENOTES CANDELA, 15 UNLESS NOTED - WALL MOUNTED DEVICE, BACKBOX 80" A.F.F.
□	FIRE ALARM STROBE 'XX' DENOTES CANDELA, 15 UNLESS NOTED - WALL MOUNTED DEVICE, BACKBOX 80" A.F.F.
□	FIRE ALARM CEILING MOUNTED HORN STROBE 'XX' DENOTES CANDELA, 15 UNLESS NOTED
○	JUNCTION BOX - WALL MOUNTED BACKBOX 18" A.F.F. OR AS NOTED

- NOTES: 1. SOME SYMBOLS MAY NOT BE USED.  
2. ACCESSIBLE DEVICES HIGHEST OPERABLE PART TO BE 48" MAXIMUM/18" MINIMUM A.F.F. - REFER TO ARCHITECTURAL DRAWINGS.  
3. DIMENSIONS GIVEN A.F.F. ARE TO BOTTOM OF BOX.



2 HANGER BAR DETAIL FOR ALL DROP CEILING MOUNTED DEVICES  
N.T.S.



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