

**DOCUMENT 00 90 00**  
**ADDENDUM**

**ADDENDUM NO. [3]**                      **Date: March 29, 2018**

**RE:                      WESTERN TECHNICAL COLLEGE**  
**ARC LIBRARY REMODELING & VETERAN'S CENTER ADDITION**  
**400 SEVENTH STREET NORTH**  
**LA CROSSE, WISCONSIN 54601**  
**HSR PROJECT NO. 17026**

**FROM:**                HSR Associates, Inc  
                             100 Milwaukee Street  
                             La Crosse, WI 54603  
                             (608) 784-1830

**To:**       Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated March 2018. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [2] pages and [5] 30 x 42 drawings.

**CHANGES TO DRAWINGS**

1. Sheet M100R HVAC REMODEL PLAN 30 x 42 attached hereto
  - a. Revisions clouded on Drawing.
2. Sheet M600R HVAC SCHEDULES AND DETAILS 30 x 42 attached hereto
  - a. Revisions clouded on Drawing.
3. Sheet E102R PARTIAL SECOND FLOOR LIGHTING PLAN 30 x 42 attached hereto
  - a. In classroom #209, provide a Wattstopper, model # LMIO-101 digital input/output interface relay. This relay will be used by the Temperature Control Contractor to control HVAC fan powered FVAV 4-6 Box. Refer to clouded change.
  - b. In Reception #210, move low voltage light switch from West wall adjacent to entrance door to North wall adjacent to group of four (4) low-voltage switches. Refer to clouded change.
4. Sheet E202R PARTIAL SECOND FLOOR POWER PLAN & MOTOR AND EQUIPMENT SCHEDULE 30 x 42 attached hereto
  - a. In Learning Commons 202 provide a double duplex receptacle on East wall. Refer to clouded change.
  - b. In Study 5 delete note #23 pointing at existing poke thru floor outlet. This is an existing poke thru junction box with receptacles. Feed receptacles with two branch-circuits for copy machines to be installed in this area.
  - c. In Classroom 209 Make final connection to 1/3HP, 120VAC, HVAC Fan Powered FVAV Box 4-6. Refer to clouded change.
  - d. Refer to keyed note #2: Add the following to the note: "Coordinate clock backbox installation with acoustic wall placement".
  - e. Refer to Keyed Note #18: Change wiremold size from 6000 to 4000.

- f. Keyed note #23:
    - i. The 'Thread' underfloor raceway system shall be provided and installed by 'Steelcase Inc.' furniture provider. The Electrical Contractor is responsible to make 120VAC line voltage connection only. Coordinate with Steelcase Inc.
    - ii. Manufacturer's: Connectrac (<https://connectrac.com/products/under-carpet-wireway/>). Or comparable.
  - g. For the Electric Water Cooler located on the North-East end of the Library, install GFCI receptacle outside of drinking fountain housing. Do not conceal inside housing.
  - h. Panel Board Schedule:
    - i. Circuit number #27 shall be connected to FV V 3-11. Refer to clouded change.
    - ii. Circuit number #LB-26 and #LB-28 shall be connected to wiremold #4000. Refer to clouded change.
  - i. Equipment/Motor Schedule: Fan powered FV V 3-11 added to the schedule, refer to clouded change.
5. Sheet E302R1 SECOND FLOOR REMODEL – LOW VOLTAGE PLAN 30 x 42 attached hereto
- a. One (1) 1-port data jack is added on the West Wall in Study #9 in the Library #201. Refer to clouded change.
  - b. Keyed note #6 shall change from 2-port data jack to 1-port data jack. Refer to clouded change.

**END OF DOCUMENT 00 90 00**



HSR ASSOCIATES INC.  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1630  
FAX: 608.782.5844  
WEB SITE: www.hsrassociates.com  
Consultant:

WESTERN TECHNICAL COLLEGE  
ARC LIBRARY REMODELING &  
VETERANS CENTER ADDITION  
WESTERN TECHNICAL COLLEGE  
400 N. 7TH STREET  
HVAC REMODEL PLANS

Project Title:  
HSR Project Number:  
Project Date:  
3/13/2018  
Drawn By:  
kkl  
Key Plan:

Revisions:  
No. Description Date  
A3 ADDENDUM #3 03/29/2018

Graphic Scale:  
VARIES

Last Update:  
3/28/2018

1/8" = 1'-0"

1/8" = 1'-0"

1/8" = 1'-0"

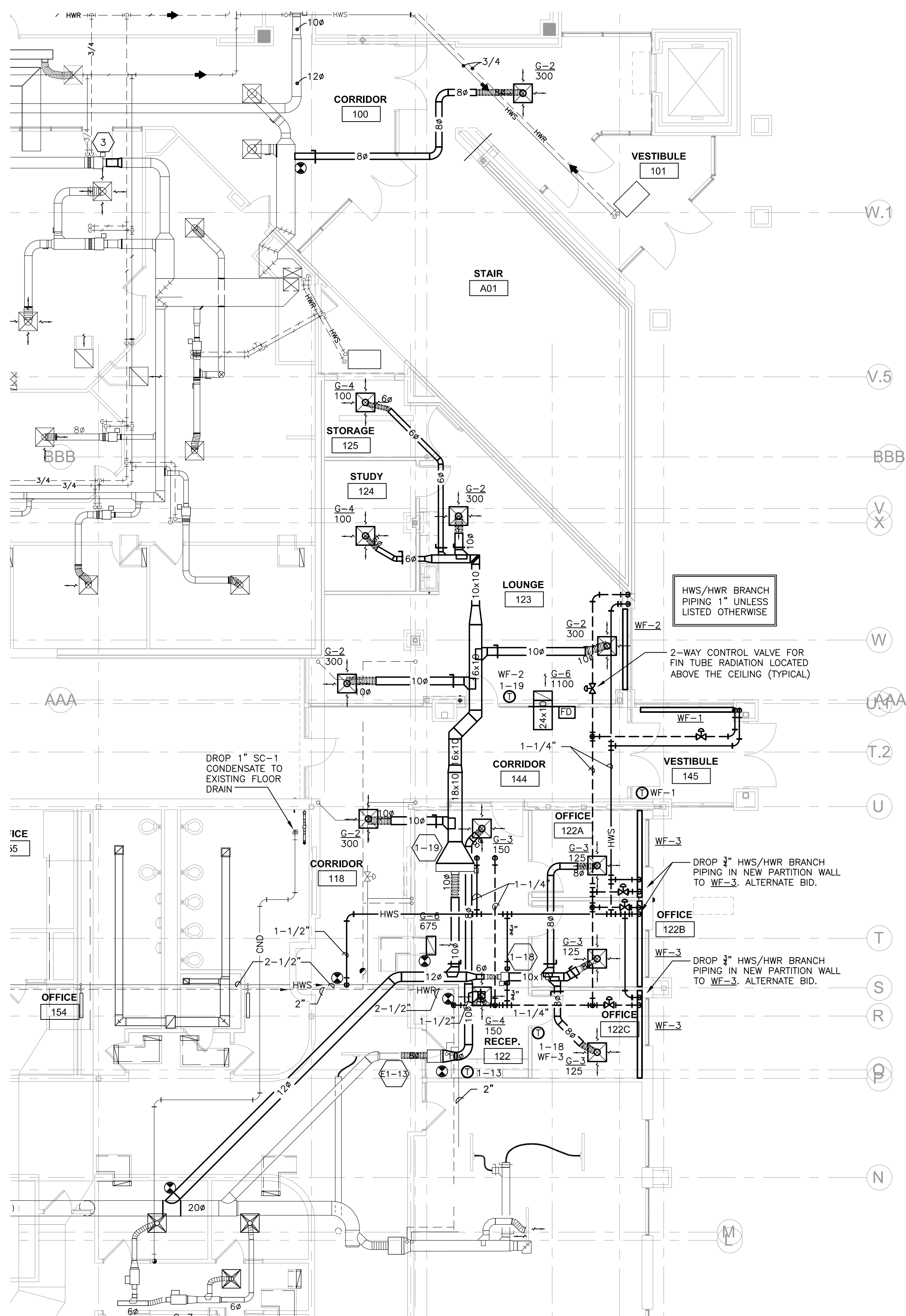
1/8" = 1'-0"

1/8" = 1'-0"

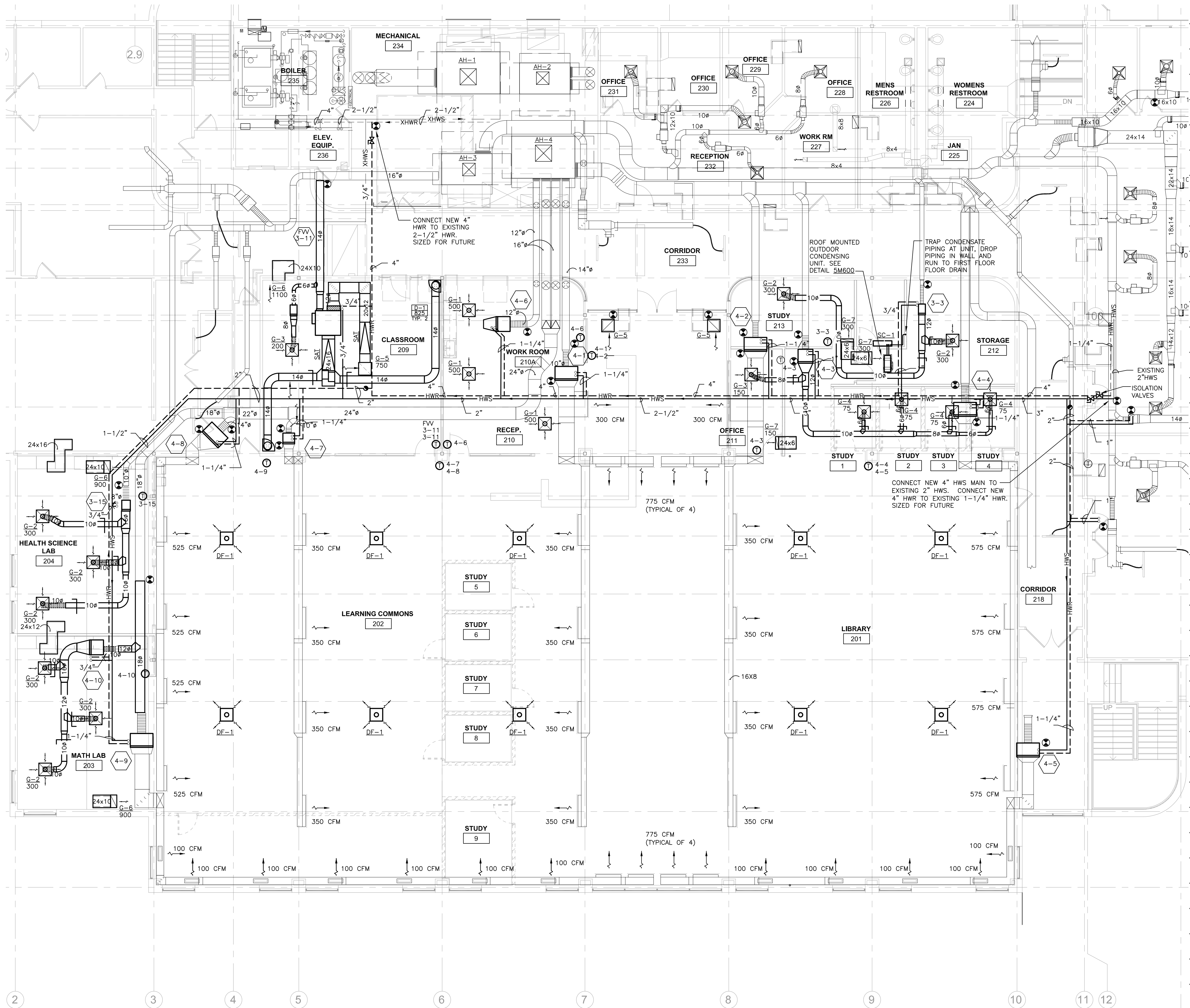
1/8" = 1'-0"

HVAC PIPE SIZING CHART

REQUIRED PIPE SIZE	COPPER PIPE GPM	IRON PIPE GPM
1/2"	0 - 1.1	
3/4"	1.2 - 3.0	
1"	3.1 - 6.6	
1-1/4"	6.7 - 11.3	6.8 - 14.0
1-1/2"	11.4 - 18.0	14.1 - 21.0
2"	18.1 - 38.0	21.1 - 41.0
2-1/2"	38.1 - 69.0	41.1 - 66.0
3"	69.1 - 109.0	66.1 - 119.0
4"		119.1 - 242.0
5"		242.1 - 440.0
6"		440.1 - 710.0



1 FIRST FLOOR HVAC REMODEL PLAN  
1/8" = 1'-0"



2 SECOND FLOOR HVAC REMODEL PLAN  
1/8" = 1'-0"

M100R

## DESTRATIFICATION FANS

UNIT TAG	SERVES ROOM	LOCATION	MODEL NO.	SOUND (DB)	CFM	MOTOR	AMPS (VOLTAGE)	REMARKS REF. NO.
DF-1	LIBRARY 201 LEARNING 202	201,202	AIR PEAR S-25-EC	51	620	ECM	0.4 (120/1)	1, 2, 3
REMARKS: 1. BASED ON PRODUCT BY ARIUS. 2. PROVIDE HEAT SENSOR AND INTEGRATE WITH BAS. 3. PROVIDE 2X2' LAY-IN MOUNTING.								

## AIR DISTRIBUTION DEVICES

UNIT REF.	FIXTURE TYPE	SIZE	LOCATION	DAMPER	INLET SIZE	MODEL NUMBER	MOUNTING	REMARKS REF. NO.
G-1	SUPPLY	24 X 24	CEILING	RADIAL	12"ø	SERIES PLQ 4-WAY	LAY-IN	1,2,3
G-2	SUPPLY	24 X 24	CEILING	RADIAL	10"ø	SERIES PLQ 4-WAY	LAY-IN	1,2,3
G-3	SUPPLY	24 X 24	CEILING	RADIAL	8"ø	SERIES PLQ 4-WAY	LAY-IN	1,2,3
G-4	SUPPLY	24 X 24	CEILING	RADIAL	6"ø	SERIES PLQ 4-WAY	LAY-IN	1,2,3
G-5	TRANSFER	24 X 24	CEILING	NO	N/A	EGC-5 1/2" EGG CRATE	LAY-IN	1,4
G-6	TRANSFER	24 X 12	CEILING	NO	N/A	EGC-5 1/2" EGG CRATE	LAY-IN	1,4
G-7	TRANSFER	24 X 6	CEILING	NO	N/A	EGC-5 1/2" EGG CRATE	LAY-IN	1,4
D-1	DISPLACEMENT	24" RADIUS	CEILING	NO	14"ø	TITUS DVVC - 14-24X48	WALL	5,6
REMARKS: 1. BASED ON PRODUCT BY KRUEGER 2. DIFFUSERS SHALL BE STEEL CONSTRUCTION 3. INCLUDE DIRECTIONAL BLOW PATTERN CONTROL TABS FOR DIFFUSERS SHOWN OTHER THAN 4-WAY THROW 4. GRILLES SHALL BE ALUMINUM CONSTRUCTION 5. BASED ON PRODUCT BY HALTON 6. PROVIDE CONTINUOUS PERFORATED COVER THAT MATCHES THE DIFFUSER PATTERN								

## FIN TUBE RADIATION

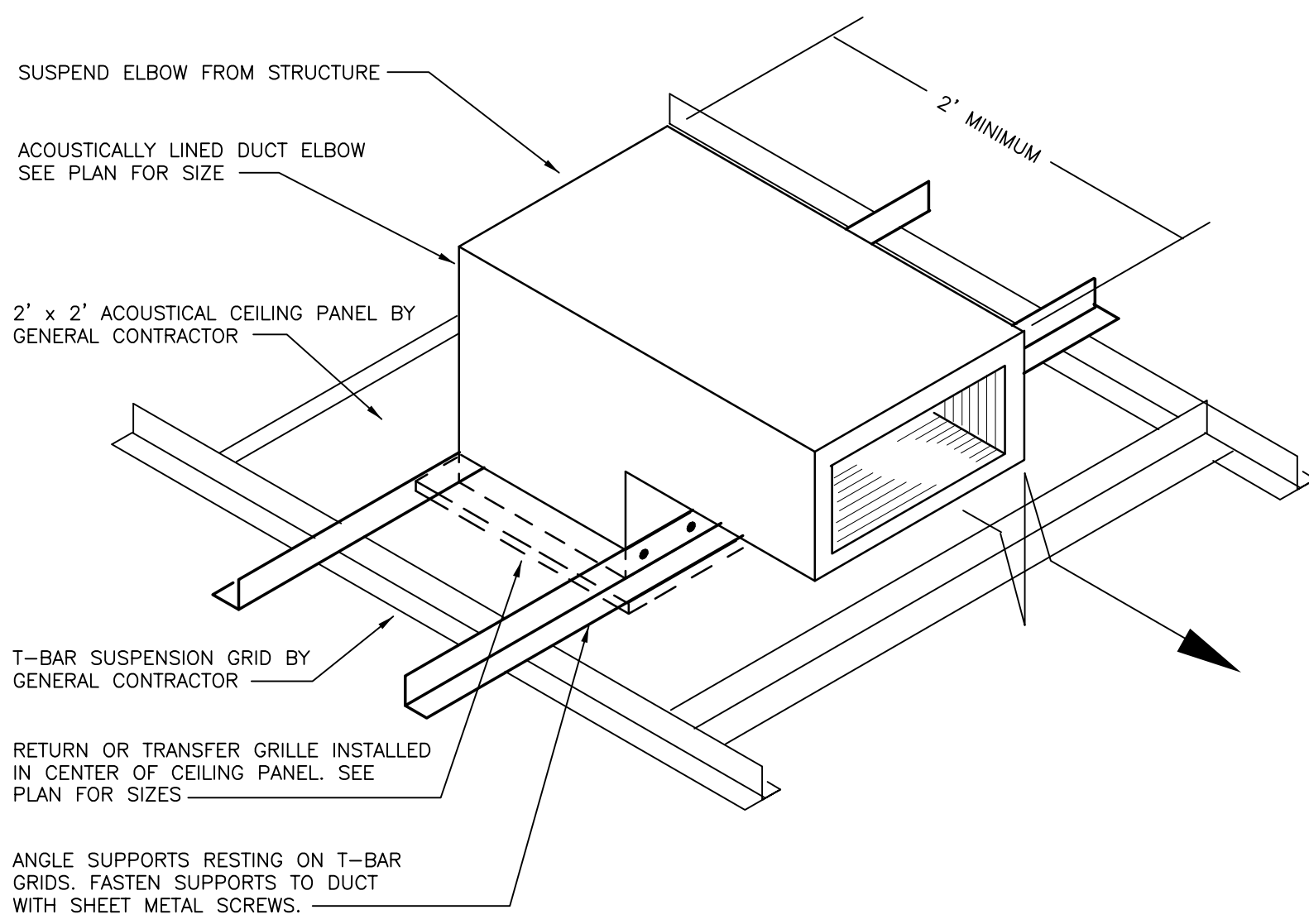
UNIT NO.	TOTAL MH INSTALLED	TYPE	PANEL RADIATOR				TEMP. CONTR.	REMARKS REF. NO.
			LENGTH	DEPTH	HEIGHT	PIPING CONNECTIONS		
WF-1	19.0	R3F-10	10'-0"	4.8"	29"	SAME RIGHT	2-WAY	1,2,3,5
WF-2	14.3	R3F-6	10'-0"	4.8"	17.25"	SAME RIGHT	2-WAY	1,2,3,5
WF-3	3.4	R3F-2	5'-0"	4.8"	8.62"	SAME RIGHT	2-WAY	1,2,3,4,5
REMARKS: 1. BASED ON PRODUCT BY RUNTAL RADIATORS 2. UNIT SHALL BE PANEL TYPE WITH FLOOR POSTS FOR MOUNTING 3. UNIT SIZE WITH AVERAGE WATER TEMPERATURE 130°F 30% PROPYLENE GLYCOL 4. ALTERNATE BID 5. SEE DETAIL 4M600								

## VAV BOXES

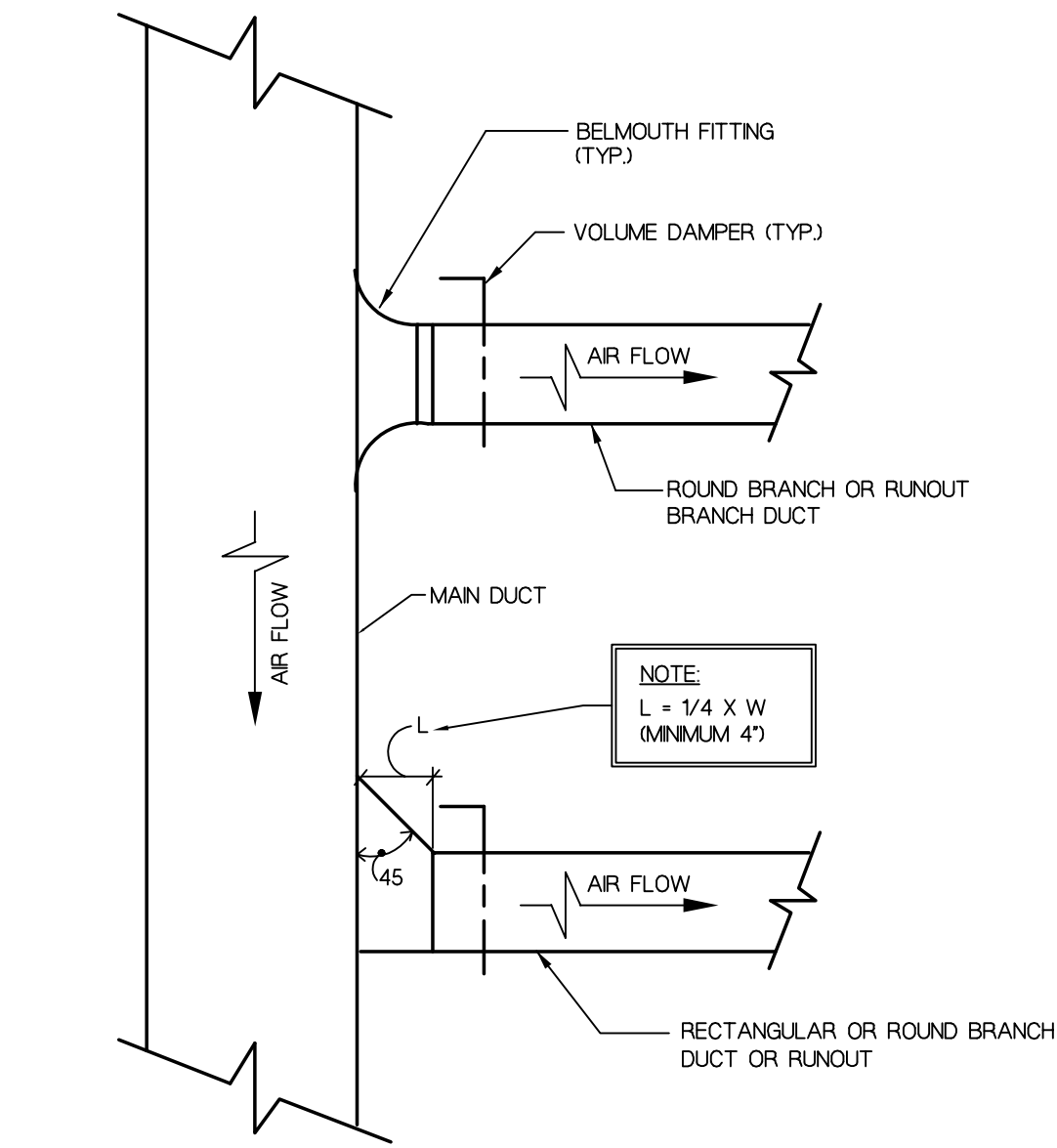
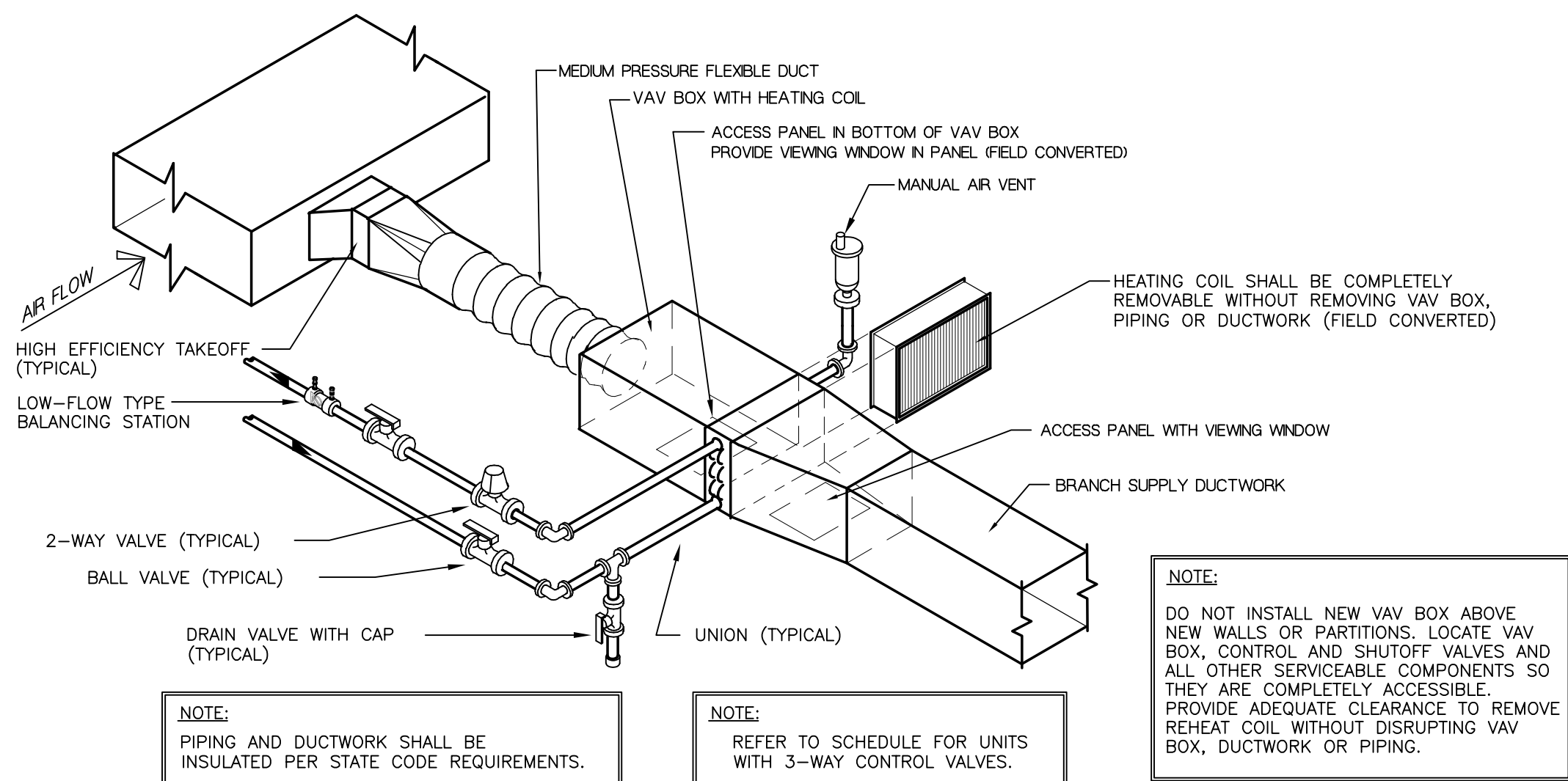
EXISTING	UNIT NO.	SERVES ROOM	MODEL NO.	INLET DUCT SIZE	MAX CFM	MIN COOLING CFM	MIN HEATING CFM	AVAILABLE DESIGN INLET SP.	MAX UNIT SP. DROP	DOWNSTREAM UNIT SP. DROP	NC LEVEL (BOX RADIATED)	COIL SIZING AND CAPACITY DATA								REMARK REF. NO.		
	1-13	122 RECEPTION	VCWF	12	300	150	150	1.0	<0.4"	0.25	<20	MAN. COIL TYPE	HTG. FLOW RATE GPM	COIL FLUID P.D. FT. @ 120	ENT. H.W. TEMP.	L.V.G. H.W. TEMP.	ENT. AIR TEMP.	ROOM HTG. SETPOINT	TOTAL MBH	NOTE: 3	NOTE: 6.5	
												1-R-ROW	1	3.2	140	120	50.0	75	13.3			1.2
1-18	122A/122B/122C	SDR	8	375	150	300	1.0	<0.4"	0.25	<20	3-R-ROW	5.0	<5.0	140	120	50.0	75	33.1	1.2			
1-19	VET CENTER	SDR	12	1100	400	800	1.0	<0.4"	0.25	<20	3-R-ROW	5.0	<5.0	140	120	50.0	75	13.3	1.2			
3-3	212 STORAGE 213 STUDY	SDR	8	600	200	500	1.0	<0.4"	0.25	<20	2-R-ROW	2.9	<5.0	140	120	50.0	75	19.0	1.2			
3-11	209 CLASSROOM	SDR	6	200	70	N/A	1.0	<0.4"	0.25	<20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.		
3-15	204 HEALTH SCIENCE	SDR	10	900	270	500	1.0	<0.4"	0.25	<20	2-R-ROW	2.3	<5.0	140	120	50.0	75	19.0	1.2			
4-1	201/202	SDR	16	3250	975	975	1.0	<0.4"	0.25	<20	4-R-ROW	12	<5.0	140	120	50.0	75	68.2	1.2			
4-2	201/202	SDR	16	3250	975	975	1.0	<0.4"	0.25	<20	4-R-ROW	12	<5.0	140	120	50.0	75	68.2	1.2			
4-3	STUDY 1,2,3,4	SDR	6	300	200	300	1.0	<0.4"	0.25	<20	3-R-ROW	1.5	<5.0	140	120	50.0	75	11.4	1.2			
4-4	201	SDR	14	2300	690	1000	1.0	<0.4"	0.25	<20	4-R-ROW	9.4	<5.0	140	120	50.0	75	54.1	1.2			
4-5	201	SDR	14	2050	650	900	1.0	<0.4"	0.25	<20	4-R-ROW	12.5	<5.0	140	120	50.0	75	52.8	1.2			
4-6	210A WORKROOM	SDR	12	1500	500	750	1.0	<0.4"	0.25	<20	2-R-ROW	4.1	<5.0	140	120	50.0	75	17.9	1.2			
4-7	201	SDR	12	1400	420	600	1.0	<0.4"	0.25	<20	3-R-ROW	5.4	<5.0	140	120	50.0	75	31.5	1.2			
4-8	201	SDR	14	2100	630	630	1.0	<0.4"	0.25	<20	2-R-ROW	5.2	<5.0	140	120	50.0	75	53.1	1.2			
4-9	202	SDR	16	2925	880	880	1.0	<0.4"	0.25	<20	2-R-ROW	12	<5.0	140	120	50.0	75	67.0	1.2			
4-10	203	SDR	10	900	270	500	1.0	<0.4"	0.25	<20	2-R-ROW	2.3	<5.0	140	120	50.0	75	19.0	1.2			
FW 3-11	209 CLASSROOM	VFR	12	900	650	750	1.0	<0.4"	0.25	<20	2-R-ROW	1.4	<5.0	140	120	50.0	75	12.2	1.3			
NOTES:																						
1. HEATING COIL CAPACITY IS DETERMINED AT MINIMUM BOX CFM AND INCLUDES SPACE HEAT LOSS PLUS REHEAT LOAD.																						
2. REHEAT COILS SIZE AT 140 F EWT AND 30% PROPYLENE GLYCOL.																						
REMARKS:																						
1. BASED ON PRODUCT BY ENVIRO-TEC SDR																						
2. UNIT WILL HAVE 2-WAY VALVE. SEE DETAIL 2M600																						
3. PARALLEL FAN-POWERED VAV TERMINAL UNIT WITH HOT WATER REHEAT SCHEDULE UNIT 5 MAX AIRFLOW 1650 CFM																						

## DATA COOLING UNIT

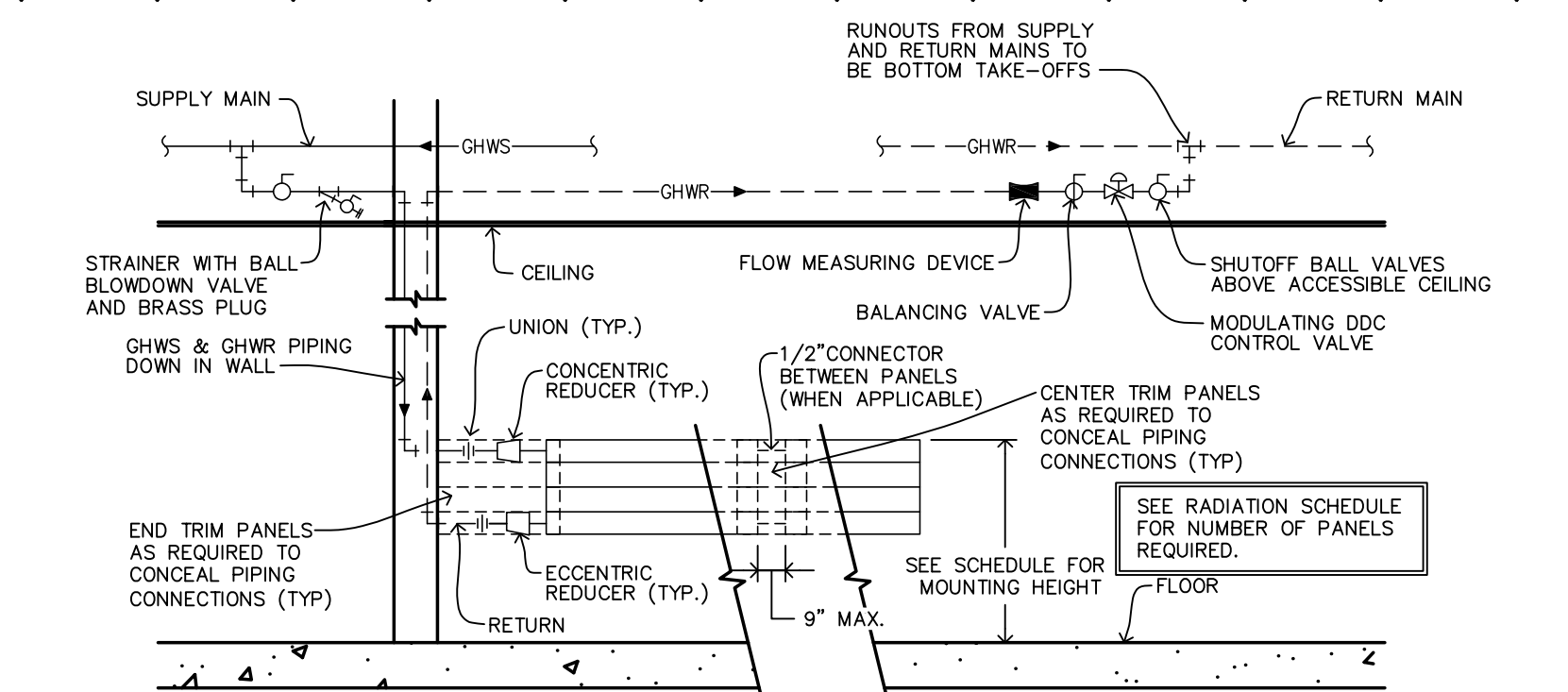
UNIT NO.	MODEL NO. INDOOR/OUTDOOR	TOTAL COOLING BTUH	VOLTAGE	INDOOR UNIT					OUTDOOR UNIT (CU-1)					ELECTRICAL			RFRIG.	REMARKS REF. NO.	
				CFM	ECM FAN MOTOR	QUANTITY FANS	MCA	MAX. SOUND	AIR VOLUME	QUANTITY FANS	FAN MOTOR	COMP. TYPE	QUANTITY COMP.	REFRIG. TYPE	TOTAL INPUT	MCA			FUSE SIZE
SC-1	PKAA18H47/PLU218H44	18,000	208/60/1	370	0.33FLA	1	1.0 A	43 dBA	1200	1	0.35 FLA	ROTARY	2	R-410A	1190 W	13A	20A	1/4" 1/2"	1,2,3,4,5,6
REMARKS:																			
1. BASED ON PRODUCT BY MITSUBISHI (15.3 SEER)																			
2. DISCONNECT SWITCH AT OUTDOOR UNIT BY ELECTRICAL TRADE																			
3. PROVIDE LOW AMBIENT WIND BAFFLE (WB-PA1)																			
4. INCLUDE REMOTE THERMOSTAT																			
5. INCLUDE FACTORY PRE-CHARGED REFRIGERANT LINE SET																			
6. SEE DETAIL 5M600 FOR INSTALLATION.																			



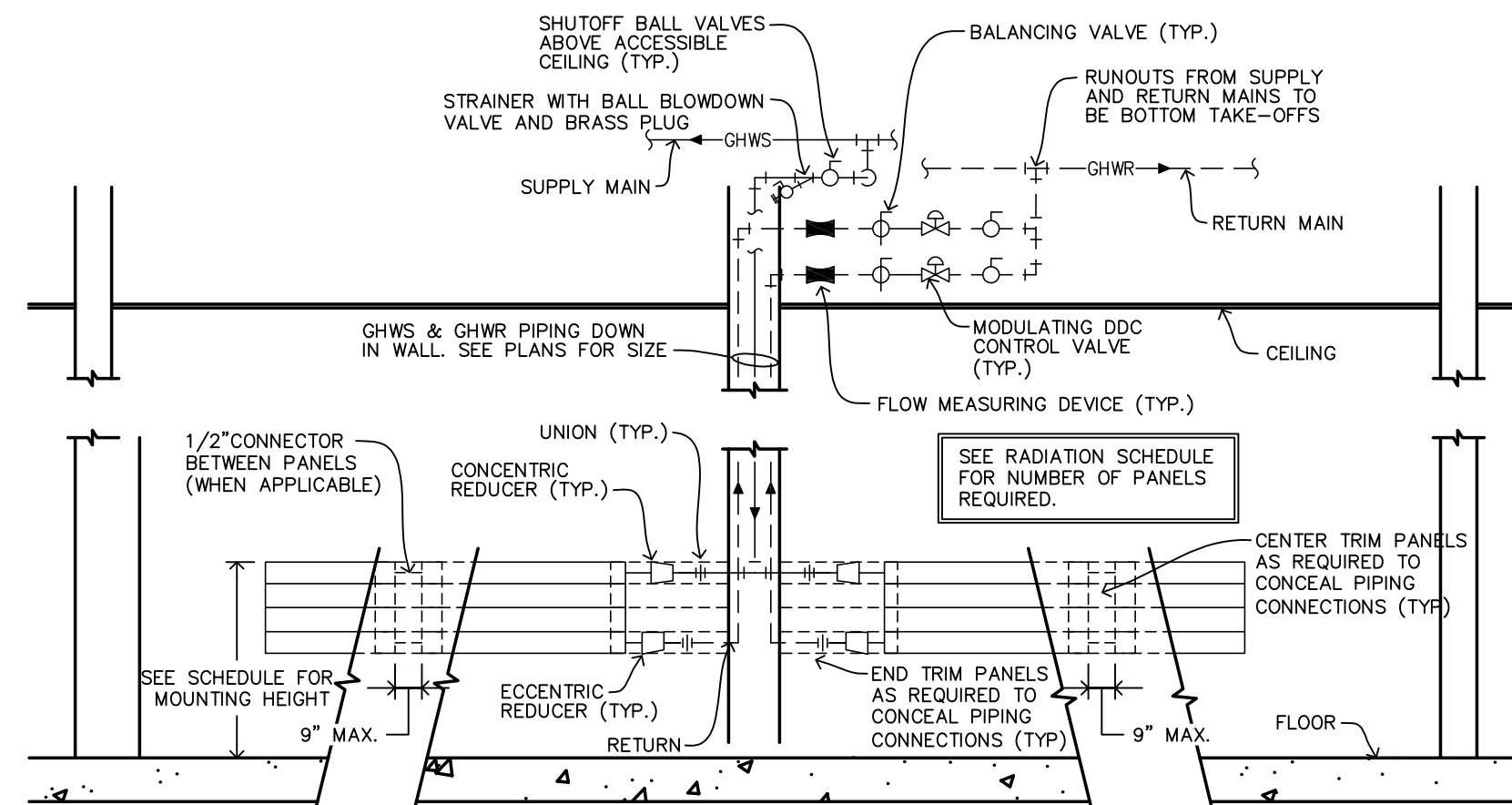
1 TYPICAL RETURN / TRANSFER GRILLE DETAIL  
NTS



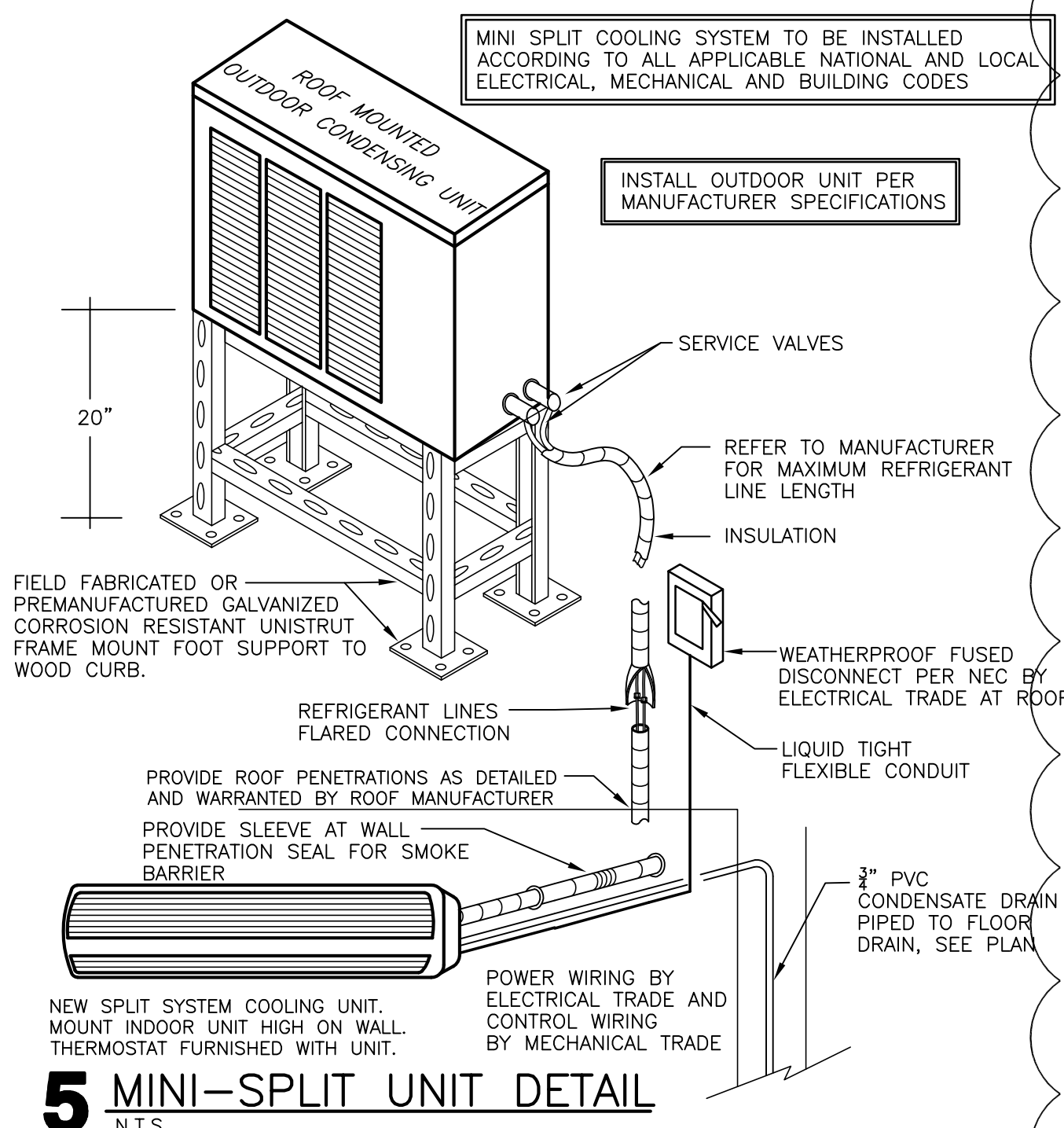
2 TYPICAL BRANCH TAKE-OFF  
NTS



4 WALL PANEL RADIATION DETAIL  
NTS



6 BACK TO BACK WALL PANEL RADIATION DETAIL  
N.T.S.



7 TYPICAL PIPE HANGER DETAIL  
N.T.S.

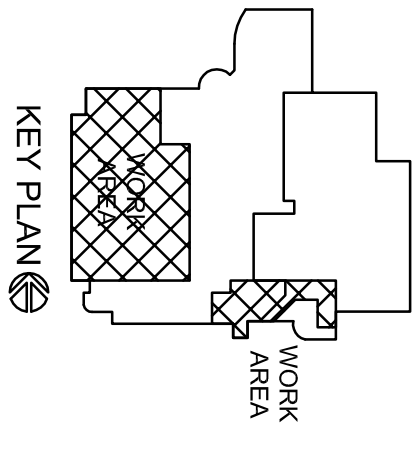




WESTERN TECHNICAL COLLEGE  
ARC LIBRARY REMODELING &  
VETERANS CENTER ADDITION

Project Title:  
Project Location:  
Project Number:  
Project Date:  
Drawn By:  
Key Plan:

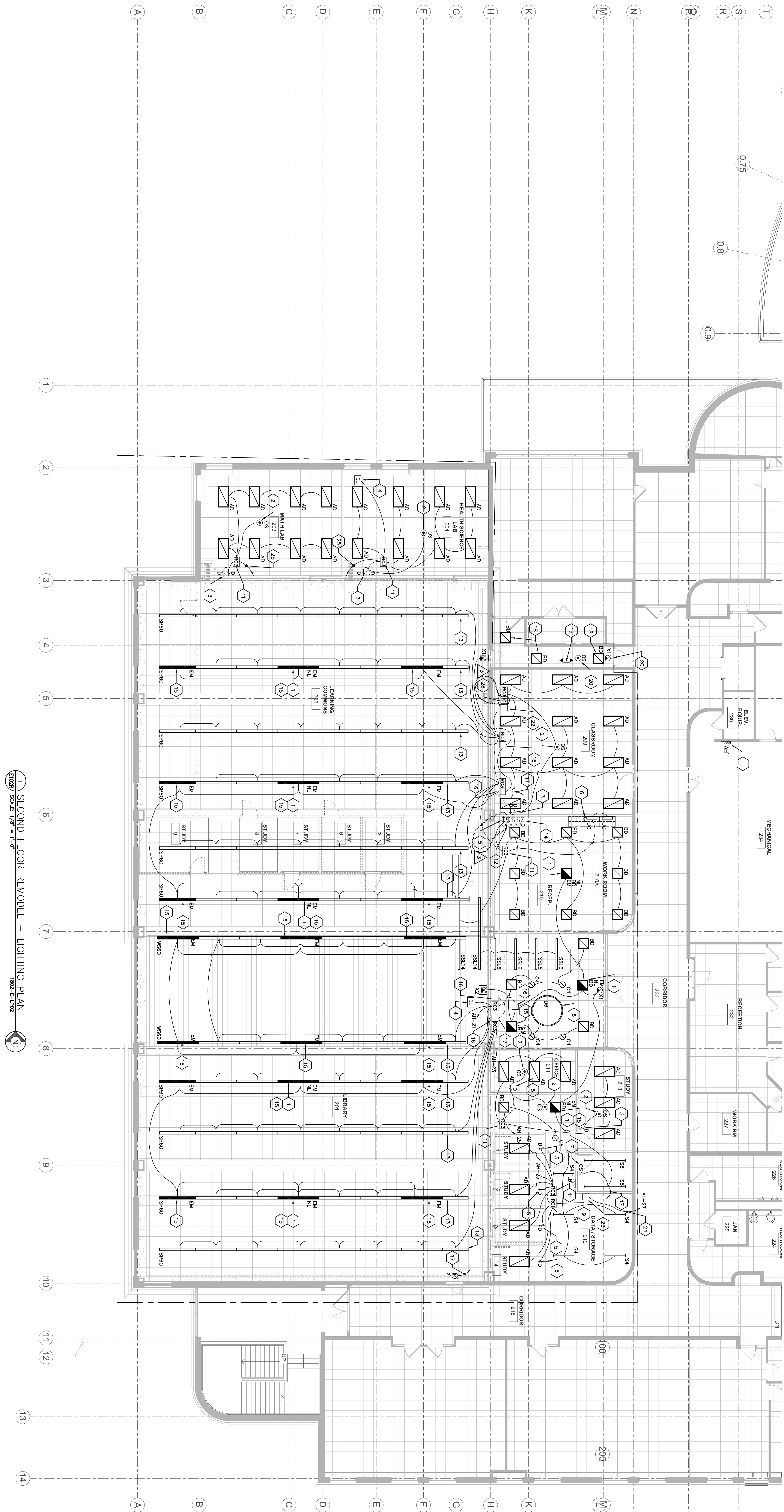
Project Number:  
Project Date:  
Drawn By:  
Key Plan:



No.	Description	Date
1	ADDITIONAL 1.2	03-28-2018
2	ADDITIONAL 1.3	03-28-2018

Graphic Scale:  
VARIES  
Last Update:  
3/28/2018

E102R





**WEB SITE. M**  
**Consultant**

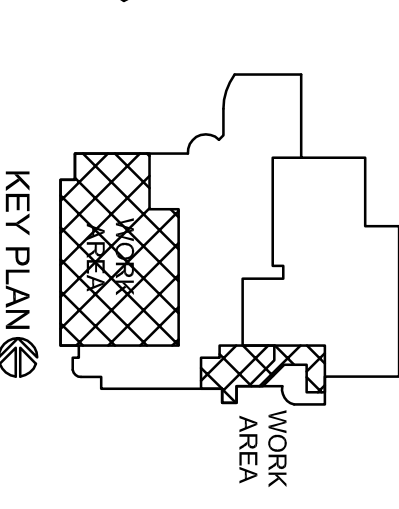


# WESTERN TECHNICAL COLLEGE ARC LIBRARY REMODELING & VETERANS CENTER ADDITION

Project

**Key Plan:**

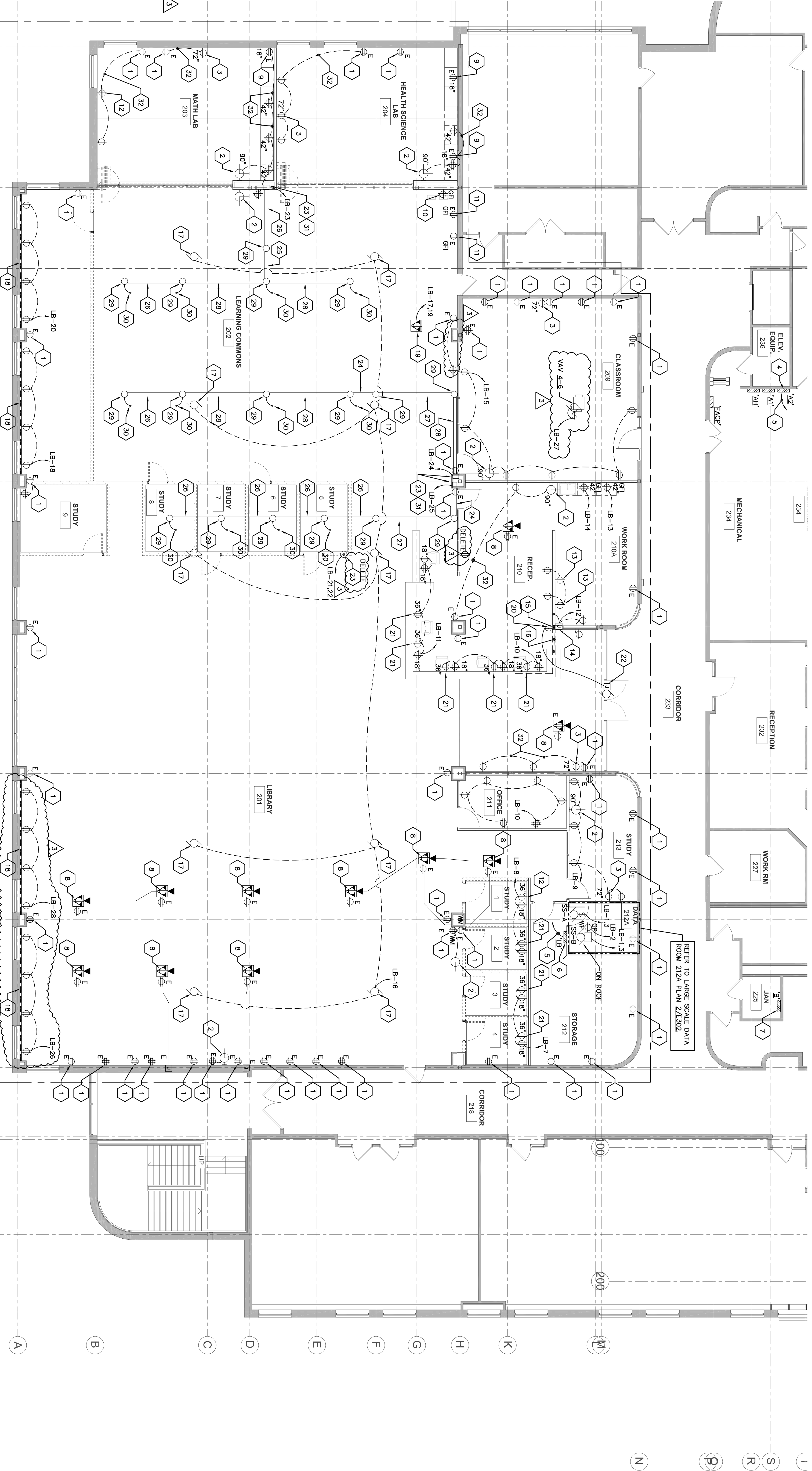
**Key Plan:**

 KEY PLAN

—

3

# E202R



Panel 'LB': 125 Amps., 120/208V AC, 3-Phase, 4-Wire, M.L.O. 14KALC						
Space No.	Service	C/B	Load	C/B	Service	Space No.
		Shed Type	(KVA)	Shed Type	(KVA)	
1	MOTOR (S.S.A. SS-B)	202	1.12	018	201	2
3	-	202	1.12	075	201	4
5	RECEPTACLE	201	0.75	072	201	6
7	RECEPTACLE	201	0.72	072	201	8
9	RECEPTACLE	201	0.90	110	201	10
11	RECEPTACLE	201	1.10	072	201	12
13	RECEPTACLE	201	0.36	036	201	14
15	RECEPTACLE	201	1.10	030	201	16
17	RECEPTACLE	201	1.00	072	201	18
19	RECEPTACLE	201	1.00	072	201	20
21	FLOOR RECEPTACLE	201	0.36	036	201	22
23	THREADED SYSTEM	201	1.00	100	201	24
25	THREADED SYSTEM	201	1.00	072	201	26
27	MOTOR (P.V. 3-11)	201	0.64	072	201	28
29	SPARE	201		201	SPARE	30
31	SPARE	201		201	SPARE	32
33	SPARE	201		201	SPARE	34
35	SPARE	201		201	SPARE	36
37	SPARE	201		201	SPARE	38
39	SPARE	201		201	SPARE	40
41	SPARE	201		201	SPARE	42

INOTOR	2.24	
RECEPIACLE	17	
	0	
	0	
TOTAL INVAL:	19.24	53.4

**KEYED POWER PLAN NOTES E202:**

- [illegible]

MANUFACTURER: STEELCASE INC.

**PHONE:** 800-333-9939

**PHONE:** 800-333-9939

SYSTEM: THREAD PORTABLE POWER DISTRIBUTION

### 1. WALL POWER TRACK INFEEED WITH RAMPS

## 2. POWER HUB

#### 4. CONNECTOR

25. PROVIDE A THREAD SYSTEM - POWER TRACK (6'-0") IN LENGTH WITH RAMPS

17 PROVIDE A THREAD SYSTEM - POWER TRACK (10'-0") IN LENGTH WITH RAMP

39. PROVIDE A THREAD CONNECTOR WITH A 3-HILB LOW PROFILE COVER PLATE VERIFY EXACT LOCATION WITH OWNER

31. PROVIDE A THREAD SYSTEM - WALL POWER TRACK IN NEED WITH RAMPS

32. EXTEND EXISTING BRANCH-CIRCUIT WIRING TO NEW RECEPTACLES. THE INTENT IS TO REUSE EXISTING BRANCH-CIRCUIT WIRING IN THE AREA TO FEED NEW RECEPTACLES INSTALLED.

1 SECOND FLOOR REMODEL - POWER PLAN  
SCALE: 1/8" = 1'-0"  
1802-F-PP02

MOTOR & EQUIPMENT SCHEDULE																												
EQUIPMENT REFERENCE ID.	EQUIPMENT DESCRIPTION	EQUIPMENT LOCATION			MOTOR OR EQUIPMENT REQUIREMENTS AND CHARACTERISTICS										MOTOR STARTERS					DISCONNECT SWITCHES				CONTROL				
		Room/No.	Elevation	Notes	Motor HP	Equipment Wt (lbs)	VOL.T	PH.	F.L.A.	MCA	MOP	Start Type	Provided By	Installed By	Start Size	Disconnect Type	Provided By	Installed By	NEMA Break.	Fuse Size	Lockable?	Wiring By	MCB EC	Branch Circuit or Feeder	Conduit Size	Conduit Mnt. Size	Ground Size	REMARKS
SES4	SES4 Stearns (motor unit)	212A	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES5	SES5 Stearns (motor unit)	212B	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES6	SES6 Stearns (motor unit)	212C	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES7	SES7 Stearns (motor unit)	212D	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES8	SES8 Stearns (motor unit)	212E	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES9	SES9 Stearns (motor unit)	212F	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES10	SES10 Stearns (motor unit)	212G	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES11	SES11 Stearns (motor unit)	212H	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES12	SES12 Stearns (motor unit)	212I	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES13	SES13 Stearns (motor unit)	212J	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES14	SES14 Stearns (motor unit)	212K	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES15	SES15 Stearns (motor unit)	212L	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES16	SES16 Stearns (motor unit)	212M	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES17	SES17 Stearns (motor unit)	212N	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES18	SES18 Stearns (motor unit)	212O	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES19	SES19 Stearns (motor unit)	212P	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES20	SES20 Stearns (motor unit)	212Q	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	
SES21	SES21 Stearns (motor unit)	212R	Dashboard	1/4"	205	205	1	14.0	14.0	20.0	N/A	N/A	N/A	N/A	N/A	Thermal	EC	EC	1	N/A	Yes	X	2	12	3/4"	1/2"	1	

REMARKS:

2. Provide a 30 amp, 250V/AC, Non-Fused, 2-pole, Nema 3R Disconnect Switch.
3. Provide a 20 amp., motor rated, 120V/AC, 1-pole, non-fused disconnect switch, provide lockable cover plate.

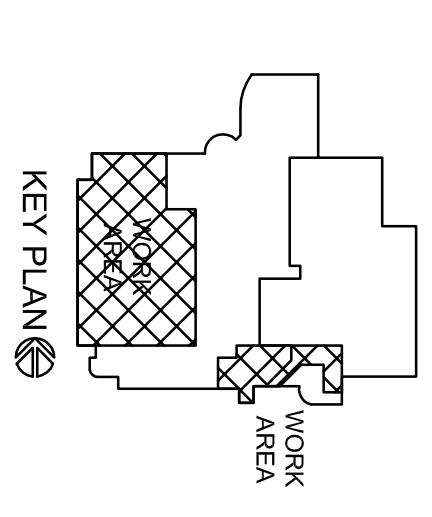
---



WESTERN TECHNICAL COLLEGE  
ARC LIBRARY REMODELING &  
VETERANS CENTER ADDITION

Project Title: WESTERN TECHNICAL COLLEGE  
400 N. 7th STREET  
LA CROSSE, WI 54601

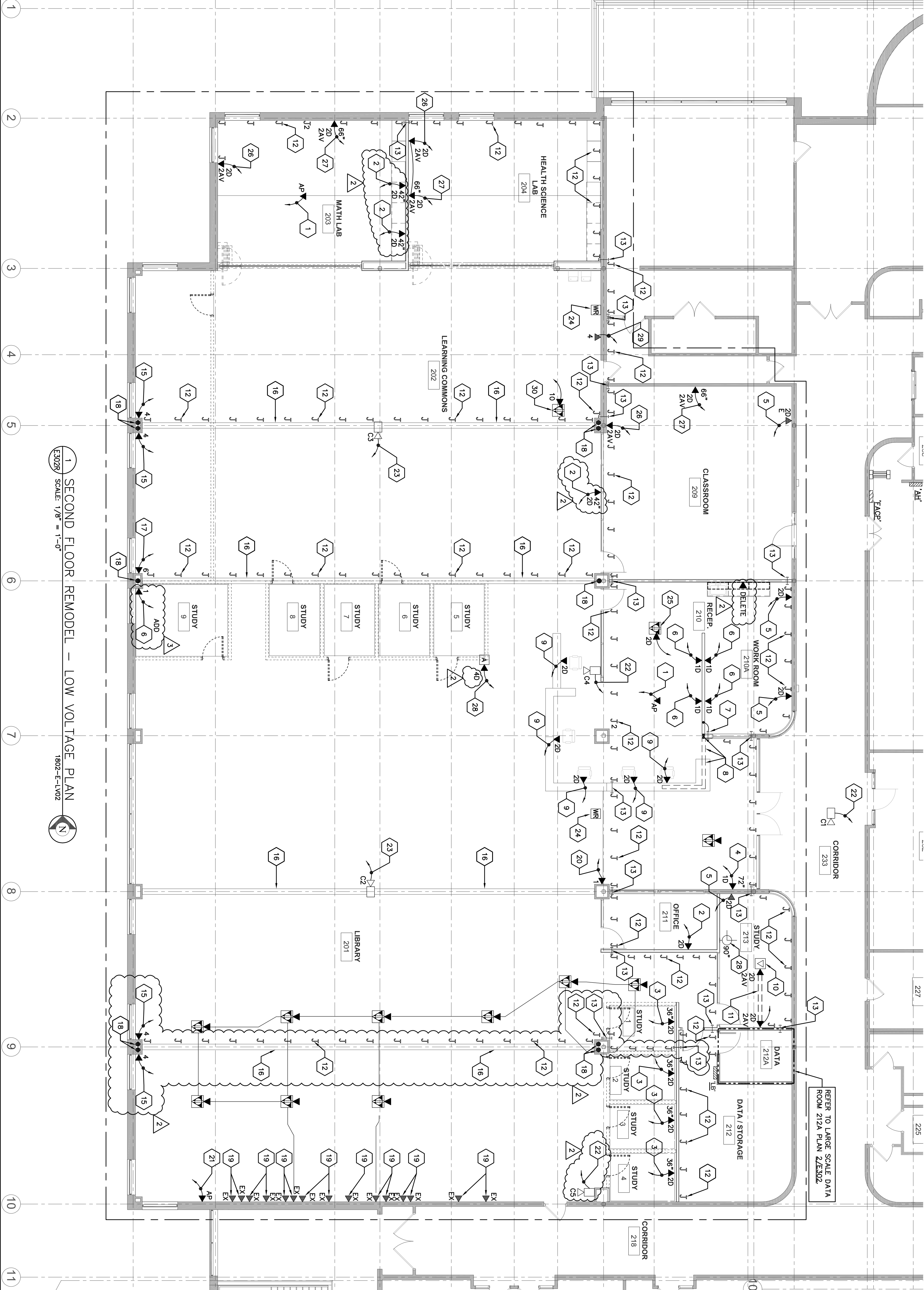
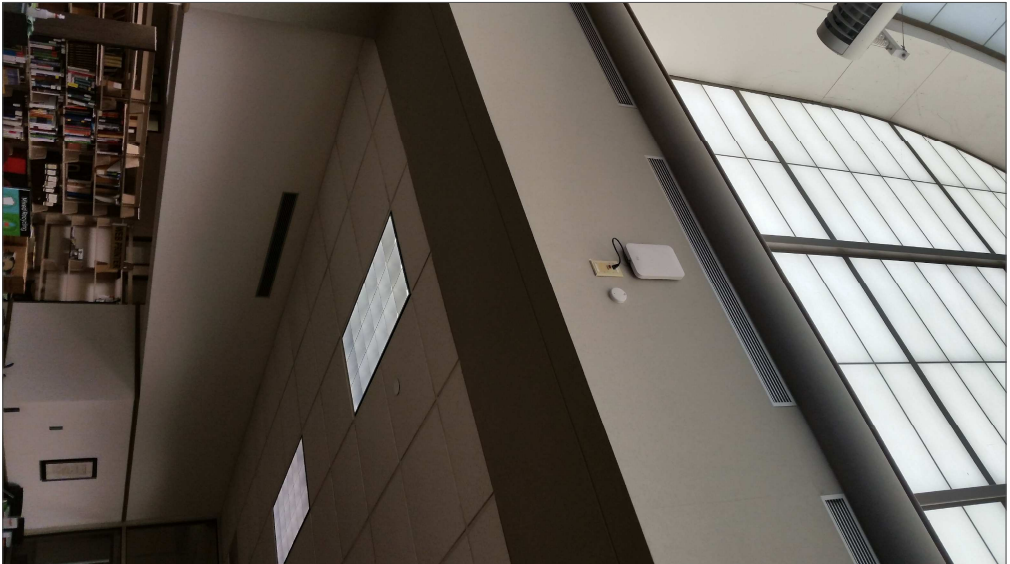
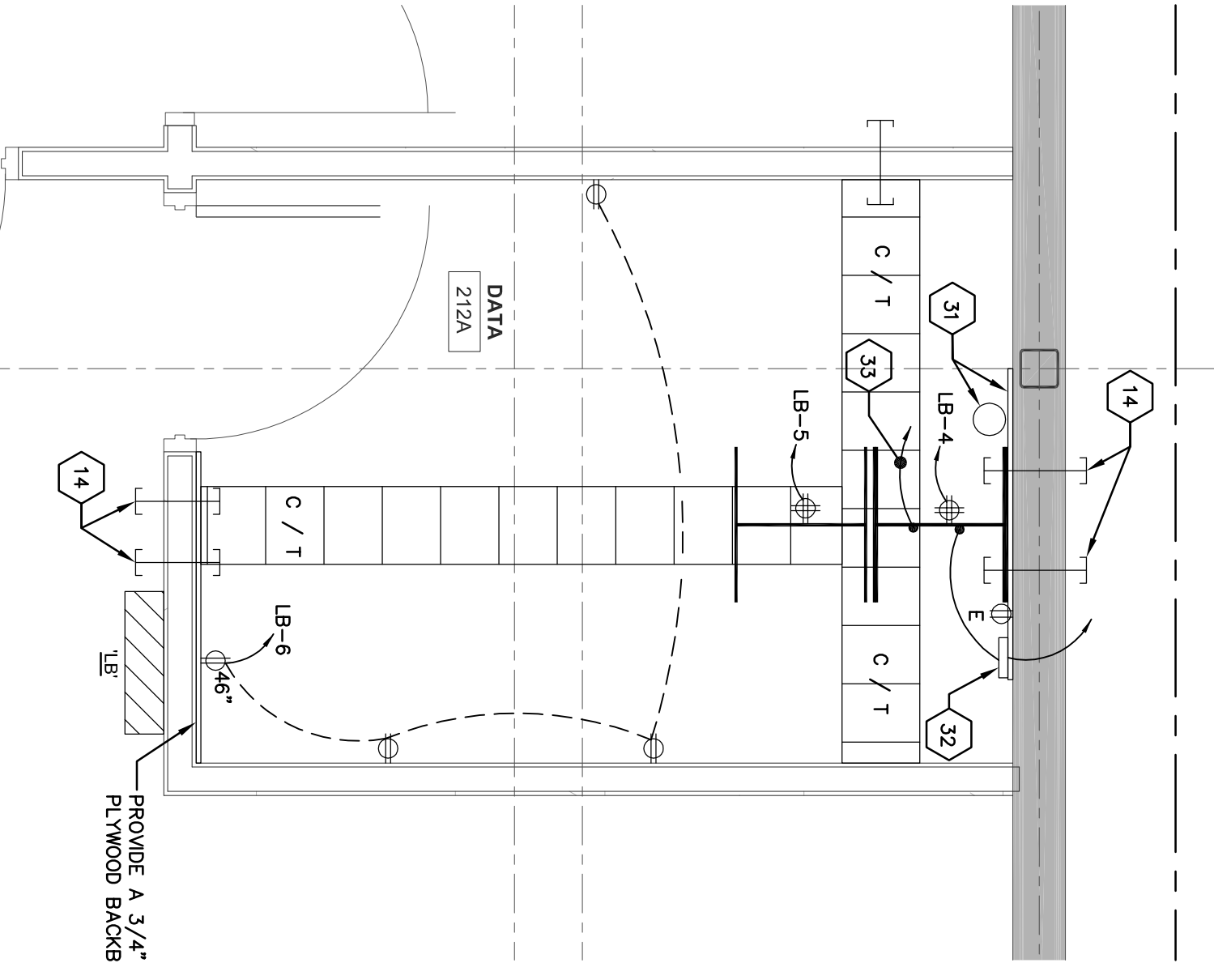
Project Number: 17026  
Project Location: WESTERN TECHNICAL COLLEGE  
400 N. 7th STREET  
LA CROSSE, WI 54601



No.	Description	Date
1	ADDITIONAL 2	03-28-2018
2	ADDITIONAL 1	03-28-2018

Graphic Scale:  
VARIES  
Last Update:  
3/28/2018

E302R1



GENERAL NOTES:  
A. FOR ALL TELECOMMUNICATIONS OUTLETS - DATA JACKS AND CABLEING WILL BE DESIGNATED ON THIS PLAN AS FOLLOWS:  
a. NETWORKING (DATA) - ORANGE DATA JACKS WITH BLUE CAT 6 CABLES.  
b. PHONE (PNI) - ORANGE DATA JACKS WITH BLUE CAT 6 CABLES.  
c. AUDIO/VISIO (AV) - GREEN DATA JACKS WITH GREEN CAT 6 CABLES.  
d. SECURITY CAMERAS (CAM) - WHITE JACKS WITH GREEN CAT 6 CABLES.  
e. POWER ACCESS - YELLOW SMART CABLE  
f. EXISTING (EAM) - PIERCE JACKS WITH WHITE CAT 6 CABLES

1. APPROXIMATE LOCATION OF WIRELESS ROUTER PROVIDED AND INSTALLED BY WESTERN TECHNICAL COLLEGE. ELECTRICAL CONTRACTOR SHALL PROVIDE A SINGLE GANG JUNCTION BOX INSTALLED FLUSH IN ACCEISSIBLE CEILING. THE WESTERN TECHNICAL COLLEGE SHALL PROVIDE AND INSTALL ONE (1) CAT 6 CABLE BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM. 2121A. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A JUNCTION BOX AND ONE (1) BATTERY 3/4" FLEXIBLE METAL CONDUIT STUBBED ABOVE SUSPENDED CEILING FOR TELECOMMUNICATIONS CABLES WIRING. ROUTE FLEXIBLE METAL CONDUIT INSIDE COLUMN AND RISE TO ABOVE SUSPENDED CEILING. PLEASE NOTE SUSPENDED IS APPROXIMATELY 12'-0" ABOVE FINISH FLOOR REFER TO PHOTO 012802. COORDINATE CABLE WITH MECHANICAL.

2. WESTERN TECHNICAL COLLEGE SHALL PROVIDE AND INSTALL TWO (2) PORT DATA JACK AT THE APPROXIMATE LOCATION AND SHALL PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM. 2121A. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A JUNCTION BOX AND ONE (1) BATTERY 3/4" FLEXIBLE METAL CONDUIT STUBBED ABOVE SUSPENDED CEILING FOR TELECOMMUNICATIONS CABLES WIRING. ROUTE FLEXIBLE METAL CONDUIT INSIDE COLUMN AND RISE TO ABOVE SUSPENDED CEILING. PLEASE NOTE SUSPENDED IS APPROXIMATELY 12'-0" ABOVE FINISH FLOOR REFER TO PHOTO 012802. COORDINATE CABLE WITH MECHANICAL.

3. WESTERN TECHNICAL COLLEGE SHALL PROVIDE AND INSTALL ONE (1) CAT 6 CABLE BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM. 2121A. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A JUNCTION BOX AND ONE (1) BATTERY 3/4" FLEXIBLE METAL CONDUIT STUBBED ABOVE SUSPENDED CEILING FOR TELECOMMUNICATIONS CABLES WIRING. ROUTE FLEXIBLE METAL CONDUIT INSIDE COLUMN AND RISE TO ABOVE SUSPENDED CEILING. PLEASE NOTE SUSPENDED IS APPROXIMATELY 12'-0" ABOVE FINISH FLOOR REFER TO PHOTO 012802. COORDINATE CABLE WITH MECHANICAL.

4. WESTERN TECHNICAL COLLEGE SHALL PROVIDE AND INSTALL TWO (2) PORT DATA JACK AT THE APPROXIMATE LOCATION AND SHALL PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM. 2121A. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A JUNCTION BOX AND ONE (1) BATTERY 3/4" FLEXIBLE METAL CONDUIT STUBBED ABOVE SUSPENDED CEILING FOR TELECOMMUNICATIONS CABLES WIRING. ROUTE FLEXIBLE METAL CONDUIT INSIDE COLUMN AND RISE TO ABOVE SUSPENDED CEILING. PLEASE NOTE SUSPENDED IS APPROXIMATELY 12'-0" ABOVE FINISH FLOOR REFER TO PHOTO 012802. COORDINATE CABLE WITH MECHANICAL.

5. WESTERN TECHNICAL COLLEGE SHALL PROVIDE AND INSTALL TWO (2) PORT DATA JACK AT THE APPROXIMATE LOCATION AND SHALL PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM. 2121A. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A JUNCTION BOX AND ONE (1) BATTERY 3/4" FLEXIBLE METAL CONDUIT STUBBED ABOVE SUSPENDED CEILING FOR TELECOMMUNICATIONS CABLES WIRING. ROUTE FLEXIBLE METAL CONDUIT INSIDE COLUMN AND RISE TO ABOVE SUSPENDED CEILING. PLEASE NOTE SUSPENDED IS APPROXIMATELY 12'-0" ABOVE FINISH FLOOR REFER TO PHOTO 012802. COORDINATE CABLE WITH MECHANICAL.