

ADDENDUM 02

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NOTICE: Amend the Drawings and/or Project Manual to the above referenced project as follows:

PROJECT MANUAL

- ITEM NO. 1 DOCUMENT 000002 – TABLE OF CONTENTS
- A. Revised to include Section “26 31 00 Photovoltaic Collectors”.

DRAWINGS

- ITEM NO. 1 SHEET E1.0 – ELECTRICAL SITE PLAN
- A. Edited model number and description for light fixtures SL1 and SL2.
B. Revised note 3 to be not used.
- ITEM NO. 2 SHEET E1.2B – LIGHTING PLAN, LEVEL 2 - AREA B
- A. Revised note 6 to be labeled note 7.
B. Added note 7 and description .
- ITEM NO. 3 SHEET E5.1 – ONE-LINE DIAGRAM
- A. Revised fuse, feeder, disconnect, and breaker size for elevator connection.
B. Modified model number of item in note 7.
- ITEM NO. 4 SHEET E7.1 – ELECTRICAL SCHEDULES
- A. Modified model number of fixture H1.

ITEM NO. 5 SHEET E7.1 – ELECTRICAL SCHEDULES

- A. Modified note 2 in Mechanical Equipment Connection Schedule, Specific Notes.

SUBSTITUTION REQUEST REVIEW (PREBID)

See attached Substitution Request Log.

Approval applies to specific product substitution only and does not relieve the Contractor/Supplier from the responsibility of meeting all applicable requirements of the Plans and Specifications. "Yes" indicates that the substitution request is accepted; "No" indicates that it is NOT accepted, and "Pending" indicates that evaluation of the substitution request is pending.

The following representatives and manufacturers have further agreed upon the following:

1. The proposed substitution does not affect dimensions show on the Drawings.
2. The proposer will pay for changes to the building design, including engineering design, detailing, and construction costs caused by the requested substitution.
3. The proposed substitution will have no adverse effect on other trades, the construction schedule, or specified warranty requirements.
4. Maintenance and service parts will be locally available for the proposed substitution.
5. The proposed substitution function, appearance, and quality are equivalent or superior to the specified item.

ATTACHMENTS

BID RFI LOG

BID SUBSTITUTION REQUEST LOG

DOCUMENT 000002 – TABLE OF CONTENTS

SHEET E1.0 – ELECTRICAL SITE PLAN

SHEET E1.2B – LIGHTING PLAN, LEVEL 2 - AREA B

SHEET E5.1 – ONE-LINE DIAGRAM

SHEET E7.1 – ELECTRICAL SCHEDULES

SHEET E7.1 – ELECTRICAL SCHEDULES

END OF ADDENDUM 02

Bid RFIs

Addendum 02 9/4 RESPONSE = WHITE CELL
Addendum 03 9/19 RESPONSE = GREY CELL

ITEM	DISCIPLINE	DOCUMENT	DESCRIPTION	RESPONSE
1	Architectural	A12.3	Please confirm the upper panels identified as "Stretched Fabric acoustical system TWF-1" on A12.3 is the same as "Stretched fabric tackable system TWF-1" shown other locations.	Per specification section 097713 Stretched Fabric Acoustical System and Stretched Fabric Tackwall Systems are not the same. Each system contains different core requirements. Section 1.1, C.6
2	Architectural		Please clarify where AWP-2 in specification 09 84 33 is located. Not found on Finish Plan drawings or elevations.	AWP-2 is no longer in the project.
3	Architectural		Please confirm the South elevation TWF-1 indicated in the Learning Areas and Circulations on the finish schedule are the wall panels shown on the corridor elevations.	The TWF-1 indicated on finish floor plans is the same as what is indicated on interior elevations. However the floor finish plans do not limit the amount of TWF-1 which is referenced on interior elevations for specific rooms, merely just a reference that each room's walls are not just painted.
4	Telecom		In reading the spec's 1.11 - 2. States that the Lead Telecommunications Installer shall be a current member on Bicsi, later it states that advanced training maybe submitted in lieu of Bicsi ITS installer training. Does that apply to the lead installer as well?	The intent is that if you are bidding Berktek/Leviton or Panduit/General or Commscope you are certified to provide the required warranty as a company, as well as the onsite foreman being certified via a manufacturer training course. A BICSI ITS course is also acceptable.
5	Architectural		On Sheet L2.1 there is a note pointing out a new site monument sign and directs the reader to "See Architectural Drawings." We cannot find this sign on the architectural drawings.	Design for the Monument Sign will be provided in Addendum 3
6	Landscape	L2.5	On Sheet L2.5 there are five (5) 'Seat walls' shown and four (4) of them have detail references; however, the fifth one (the one furthest to the west) has only a note, pointing to the concrete seat wall, and the note states to, "See Architecture." We cannot find any reference to this seat wall on the architectural plans. Please clarify.	Response to be provided in Addendum 3.
7	Architectural	08 41 13	The specified product EFCO 960 thermal clip system does not accept sunshades per mfg Rep. Will EFCO(or other mfg similar) 403 or 406 storefront framing be an acceptable product?	Response to be provided in Addendum 3.
8	Architectural		There are venting-casement windows specified in this spec section, but none drawn. Please clarify if these were intended to be on the drawings	Operable windows are no longer in this project. Does not apply to bidding
9	Architectural	09 64 66	Wood thletic Flooring calls for 15/16" plywood when no systems from MFMA use that. Will the standard two layers of 1/2" pywood be acceptable?	Yes as long as it meets all other specified criteria
10	Mechanical	23 09 00	M4.4 Detail 2 indicates a heat pump control diagram. There is no other information shown. Can you provide further details on equipment name, locations etc.	Response to be provided in Addendum 3.
11	Electrical	E1.0	The exterior site lighting fixture schedule on this sheet shows Type 'SL1' & 'SL2' fixtures as being provided by PGE option A. These pole lights do not appear to be street lighting. Question: Are Type 'SL1' & 'SL2' fixtures provided by PGE..? If these are not provided by PGE are the fixture/pole Types correct as shown...?	Sope has been updated. Electrical contractor to be responsibel for fixtures. Changes noted in addendum 2.

ITEM	DISCIPLINE	DOCUMENT	DESCRIPTION	RESPONSE
12	Electrical	E5.1/E7.2	Keynote #4 states to provide the VFD's for the Rooftop mechanical equipment. Sheet E7.2 Mechanical Equipment Schedule Schedule Note #2 states VFD's provided by Div 23. Question: Who provides the VFD's and which Division is responsible for the testing per Spec 26 29 23..?	VFD to be provided by Division 26. Testing would fall under division 26 as well. Drawings to be updated in upcoming addendum.
13	Electrical	E5.1	Shows a 250 amp 3 phase 480 volt feeder to the elevator. Question: Does the Elevator need a 250 amp supply feeder and Bussman Unit..?	The elevator will require a 100A/3P breaker and feeder. This is being updated in the upcoming addendum. The bussman unit will still be required.
14	Electrical	E5.1	Keynote #9 states to provide the conduit and feeder and disconnect for the PV system. Question: Where is the location of the PV disconnect..?Keynote #10 states PV is part of the 1.5% of construction cost and panels, disconnects, and feeders are shown for reference only. Question: What is Div 26 to provide that is not part of the 1.5% cost of the project..?	See spec section to clarify scope. Solar disconnect to be located per NEC requirements and solar contractor.
15	Electrical	26 05 00	1.2 Serving Utility Companies A. Pay all charges and/or utility fees levied by the serving utility companies relative to this project. Question: Are this fees not paid by the Owner...?	Contractor to pay for all fees per specification.
16	Electrical	E1.1B	Question: Are some lighting fixtures missing in Restroom 136 and Elevator 129..?	Light fixtures are not missing from Restroom 136, calcs have already been done to confirm design and illumance in space. Elevator lighting to be provided by elevator contractor and included in elevator submittal.
17	Architectural	A1.1B	Can you review the Trash enclosure door? A1.1B says it is door 168A. A9.1 says Door 168A is 6'-2" x 7'-0" Scaling A5.1, I get 12'-8"x7'-4" Also Detail 11/A9.6 is the wrong head detail.	See details on A10.3 for correct trash enclosure door dimensions and detailing. HM Door 168A will be deleted from the door schedule in addendum 3.
18	Mechanical	23 09 00	M4.4 Detail 2 indicates a heat pump control diagram. There is no other information shown. Can you provide further details on equipment name, locations etc.	Response to be provided in Addendum 3.
19	Telecom		Does this project require plenum cable?	The district standard is to use Plenum rated cable. If supply and return air is routed in duct work CMR (non-plenum) would have to be approved via substitution request. If not CMP (plenum) is required. Cable in the slab shall be rated for wet locations and carry the CMR rating, (indoor/outdoor).
20	Electrical	28 31 11, E3.1A-b, E3.2A-B	Section 1.3.B.2.b Design criteria and design specifies the following: 1.3.B.2 "In addition to code requirements, provide the following:"1.3.B.2.b "Smoke detection at the ceiling in all rooms and spaces. In areas where smoke detection is not appropriate due to ambient conditions, provide heat detection." Since a basic fire alarm design was provided on sheets E-3.1A, E-3.1B, E-3.2.A, E-3.2.B, and these sheets do not show the additional devices specified above, is it the desire of the district to exceed current code requirements and add the additional detection devices based on bidder design?	Response to be provided in Addendum 3.
21	Plumbing		RFI The fire sprinkler spec's call out to use schedule forty pipe and that pipe and fittings are made in the US. I do not see anything in the plumbing spec that calls for USA products. Is this a buy American project for just fire sprinklers or for all trades?	Response to be provided in Addendum 3.

SECTION	DISCIPLINE	TITLE	DESCRIPTION	PRODUCT	MANUFACTURER	APPROVED/NOT APPROVED	RESPONSE DATE	RESPONSE BY
10 21 13	Architecture	Toilet Partitions	Request to substitute a plastic partition in lieu of Hadrian's metal partitions.	HDPE Partitions	Scantron	Rejected	8/30/2019	Michael Fletcher, DLR Group
23 74 16	Architecture	Bird Spikes	Request to approve a bird spike product.	Bird-X-Spikes	Bird-X, Inc	Approved	8/30/2019	Michael Fletcher, DLR Group
23 74 16	Architecture	Electric Bird Deterrent	Request to approve a bird spike product.	Avishock	Bird-X, Inc	Rejected	8/30/2019	Michael Fletcher, DLR Group
23 21 16	Mechanical	Coalescing Air and Dirt Separator	Request to add Caleffi Discal Dirt to approved manufacturers.		PAC West Sales	Response to be provided in Addendum 3.		
23 52 16	Mechanical	Firetube Condensing Boiler	Request to use Raypak X Vers H7-1500			Response to be provided in Addendum 3.		
07 42 33	Architecture	Fundermax	Request to approve Fundermax as a HPL manufacturer	Fundermax	Fundermax	Response to be provided in Addendum 3.		
12 30 16	Architecture	Casework Manufacturer	Request to approve a casework manufacturer			Response to be provided in Addendum 3.		
23 09 00	Mechanical	Heat Pump - DDC Controls				Response to be provided in Addendum 3.		
09 65 66	Architecture	Omnisports floor	Request to substitute Omnisports 5.5mm PVC floor for 6mm Mondo (non-PVC)	Omnisports	Tarkett Sports	Rejected	8/30/2019	Michael Fletcher, DLR Group
22 42 16.13	Plumbing	L-2 Faucet	Substitution for Synergy Sales NW Product	86T1153	Synergy Sales	Response to be provided in Addendum 3.		
22 42 16.13	Plumbing	MS-1 Faucet	Substitution for Synergy Sales NW Product	28C2383	Synergy Sales	Response to be provided in Addendum 3.		
22 42 16.13	Plumbing	S-2 & S-3 Faucet	Substitution for Synergy Sales NW Product	27C4934-R7	Synergy Sales	Response to be provided in Addendum 3.		
22 42 16.13	Plumbing	SH-1 Shower Unit	Substitution for Synergy Sales NW Product	OPS-6036-RS	Synergy Sales	Response to be provided in Addendum 3.		
22 42 16.13	Plumbing	SH-1 Shower Trim & Rough Valve	Substitution for Synergy Sales NW Product	T13H152	Synergy Sales	Response to be provided in Addendum 3.		
09 68 13	Architecture	Walk-Off Matt	Add Mannington Walk-off matt to approved manufacturers.	Traverse Infinity	Mannington	Approved	8/30/2019	Michael Fletcher, DLR Group
74 42 13.33	Architecture	Metal Wall Panels	Substitution for AEP Flush Panel	Smoothwall 12" 1 Rib	Taylor Metal	Approved	8/30/2019	Michael Fletcher, DLR Group
23 36 00	Mechanical	Air Terminal Unit	Request to approve an additional air terminal unit manufacturer.	22 Guage Krueger LMHS	Trane US, Inc.	Response to be provided in Addendum 3.		
08 35 15	Architecture	Folding Aluminum Door		Panda Series 51 Foldi Panda Windows and		Response to be provided in Addendum 3.		

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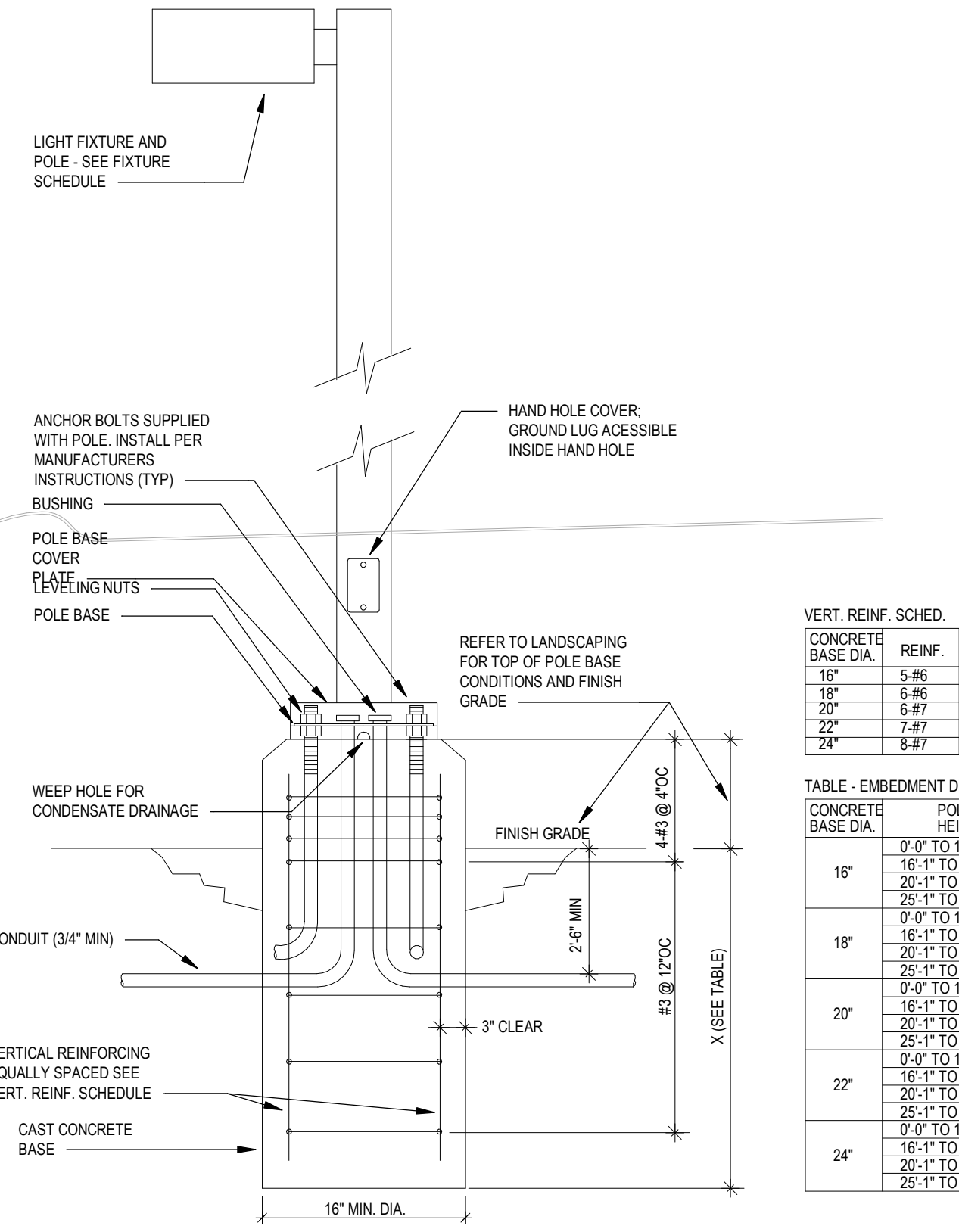


ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"

SITE LIGHTING FIXTURE SCHEDULE					
Fixture Type	Manufacturer	Model No.	Electrical	Mounting	Description
SL1	LEOTEK	GCM2-40H-MV-NW-3R-XX-850	120-277V/135 VA	POLE	SITE POLE LIGHT FIXTURE, MOUNT ON 20' POLE
SL2	LEOTEK	GCM2-40H-MV-NW-4-XX-850	120-277V/135 VA	POLE	
SP2	LITHONIA	DSXPG LED 30G 1200 40K TSM MVOLT SRH PIRH	120-277V/100 VA	POLE	PEDESTRIAN WALKWAY LIGHTING, 4000K, TYPE 2, 4000 LUMENS
HL2	LITHONIA	DSXPG LED 30G 1200 40K TSM MVOLT SRH PIRH	120-277V/107 VA	COVERED PLAY	
FL1	MUSCO	TLC LED 1150 5700K 75 CRI	120-277V/1150 VA	POLE	TLC LED 1150, 5700K, 75 CRI, 121,000 LM, MOUNT ON 70' POLE, 5 LUMINAIRES PER POLE
SF1	HYDREL	M840 QS A 12 LED WH141K MVOLT MFL FLC 348	120-277V/12VA	FLUSH	

LIGHTING RELAY PANEL LRP				
FED FROM CKT H1A-12				
DESCRIPTION	CIRCUIT NUMBER	RELAY NUMBER	LOCAL SWITCH	OVERRIDE SWITCH
PEDESTRIAN WALKWAY LIGHTING	H1A-10	1	-	X
PARKING LOT LIGHTING	H1A-9	2	-	X
COVERED PLAY LIGHTING	H1A-11	3	-	X
SCHOOL SIGN LIGHTING	H1A-20	4	-	X



NOTE: SACK RUB SMOOTH CONCRETE BASE OF ALL PHYSICAL DEFORMITIES.

LIGHT POLE W/ BASE

SCALE: 3/16" = 1'-0"

VERT. REINF. SCHED.	
CONCRETE BASE DIA.	REINF.
16"	5#4
18"	5#5
20"	5#6
22"	5#7
24"	5#8

TABLE - EMBEDMENT DEPTH, X		
CONCRETE BASE DIA.	POLE HEIGHT	X =
16"	0'-0" TO 16'-0"	4'-6"
	16'-1" TO 20'-0"	5'-0"
	20'-1" TO 25'-0"	5'-6"
	25'-1" TO 30'-0"	6'-0"
	30'-1" TO 35'-0"	6'-6"
18"	0'-0" TO 16'-0"	4'-6"
	16'-1" TO 20'-0"	5'-0"
	20'-1" TO 25'-0"	5'-6"
	25'-1" TO 30'-0"	6'-0"
	30'-1" TO 35'-0"	6'-6"
20"	0'-0" TO 16'-0"	4'-6"
	16'-1" TO 20'-0"	5'-0"
	20'-1" TO 25'-0"	5'-6"
	25'-1" TO 30'-0"	6'-0"
	30'-1" TO 35'-0"	6'-6"
22"	0'-0" TO 16'-0"	4'-6"
	16'-1" TO 20'-0"	5'-0"
	20'-1" TO 25'-0"	5'-6"
	25'-1" TO 30'-0"	6'-0"
	30'-1" TO 35'-0"	6'-6"
24"	0'-0" TO 16'-0"	4'-6"
	16'-1" TO 20'-0"	5'-0"
	20'-1" TO 25'-0"	5'-6"
	25'-1" TO 30'-0"	6'-0"
	30'-1" TO 35'-0"	6'-6"

LEGEND NOTES

LEGEND NOTES ARE COMMON TO ALL SHEETS. SOME NOTES MAY NOT APPLY TO THIS SHEET.

1. PROVIDE FIELD LIGHTING AS DESIGNED BY MUSCO LIGHTING. CONTACT TIM BUTZ AT MUSCO LIGHTING FOR DRAWINGS. REQUIREMENTS: PROVIDE CONNECTION TO MUSCO CONTRACTOR MOUNTED ON EACH POLE.
2. NOT USED, AD-2
3. NOT USED, AD-2
4. PROVIDE DETECTOR ASSEMBLY AND REDUCED PRESSURE BACKFLOW ASSEMBLY. COORDINATE EXACT POSITION AND INSTALLATION WITH CIVIL REQUIREMENTS.
5. REFER TO TELECOM SHEET T501 DETAIL 1.

PERMIT SET

NW WEST UNION ROAD AND
NW JACKSON SCHOOL ROAD
HILLSBORO, OR 97133



ELECTRICAL SITE PLAN
ELEMENTARY SCHOOL #28
HILLSBORO SCHOOL DISTRICT

E1.0

741-8104-00
08/07/2019
Revised
AD-2 03/04/19

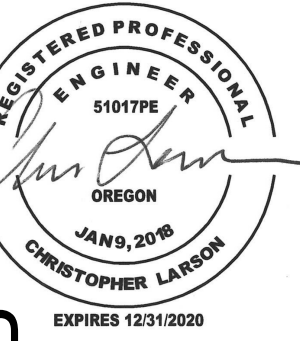
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LEGEND NOTES ARE COMMON TO ALL
SOME NOTES MAY NOT APPLY TO THIS SHEET

- AD-2

NW JACKSON SCHOOL ROAD
HILLSBORO, OR 97133



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74-18104-00

08/07/2019
Revisions
AD-2 09/04/19

Revisions
AD-2 09/04/19

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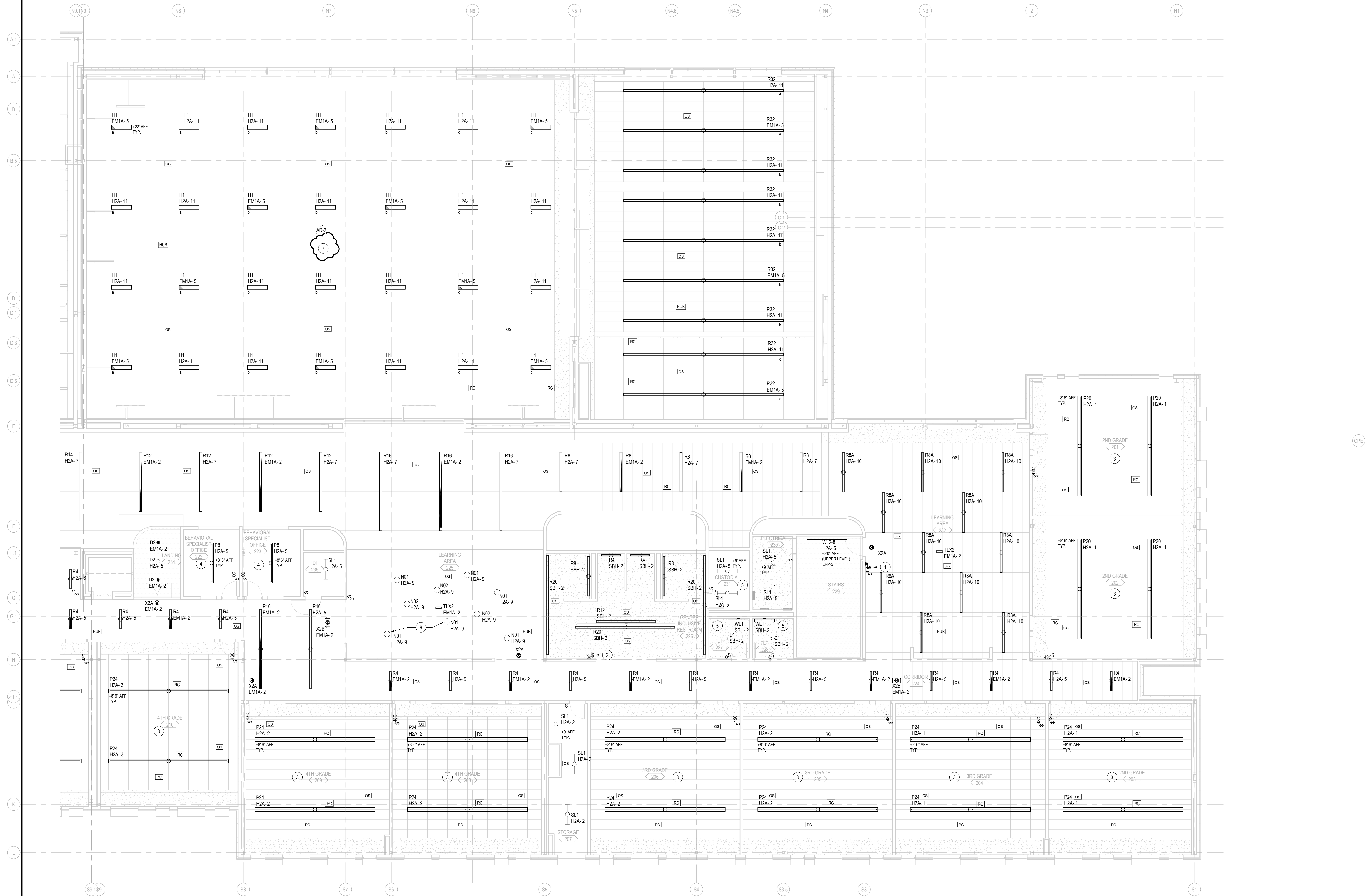
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SCALE: 1/8" = 1'-0"

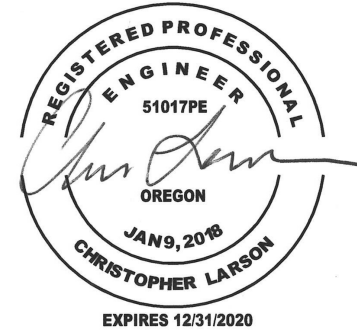
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LIGHT FIXTURE SCHEDULE w/ counts							
TYPE	MANUFACTURER	MODEL	LAMP	Electrical Data	Mounting	DESCRIPTION	Count
D1	LITHONIA	LDN4SQ-35K-15-LS4WH-LSS-MVOLT-EZ10	3500K LED	277 V/1-20 VA	RECESSED	4" SQUARE LED DOWNLIGHT, 1500 LUMEN, 3500K, MVOLT, WHITE TRIM, SEMI-SPECULAR FINISH, 10% 0-10V DIMMING	31
D2	DELTA LIGHT	TWEETER ST D-93550 S1	3500K LED	277 V/1-16 VA	RECESSED	TWEETER ST D, 6" ROUND LED FIELD-ADJUSTABLE DOWNLIGHT, 50 DEGREE WIDE FLOOD OPTIC, 950 LUMEN, 3500K, MVOLT, WHITE TRIM, 10% 0-10V DIMMING, HOUSING ID: 6-202-01-72-43-2-1, FIXTURE ID: 6-206-11-811-953	14
DL1	IO LIGHTING	0-03-I-3K-91-100-1-08-12-1-20D-12X6X4	3000K LED	120 V/1-16 VA	SURFACE	LINE SERIES .75, LINEAR ACCENT, 3000K, 81 LUMENS/FOOT, PROVIDED WITH POWER SUPPLY	4
H1	FLEXTRONICS LIGHTING	ES460-A1-13K-4MS-35-90-CL-LV	3500K LED	277 V/1-81 VA	PENDANT	LED HIBAY, NOMINAL 12,500 LUMENS, 4000K, WIDE DISTRIBUTION, CLEAR LENS, 120-277V, 0-10V DIMMING, FIELD INSTALLED MOUNTING KIT	28
K1	COLUMBIA LIGHTING	LJT24-35-LW-G-FS-A12-ED-U-G1	3500K LED	277 V/1-39 VA	RECESSED	2'X4' TROFFER, 4100 NOMINAL LUMENS, 3500K, GRID CEILING MOUNT, WHITE FLUSH STEEL DOOR, PATTERN 12 ACRYLIC LENS, SINGLE GASKETING, 0-10V DIMMING, 120-277V	26
N01	OCL	N01-P1FB-18-MW-CMP-LED3-35K-UNV-70-DIM1	3500K LED	Power Supply 277 V/1-35 VA	PENDANT	NOVA 18" PENDANT, 3560 LUMENS, 3500K, FLAT CANOPY MOUNT, COPPER FINISH, 0-10V %1 DIMMING, 120-277V, ADJUST MOUNTING HEIGHT BASED ON HEIGHT LISTED ON PLANS	12
N02	OCL	N01-P1FB-24-MW-CMP-LED3-35K-UNV-70-DIM1	3500K LED	Power Supply 277 V/1-35 VA	PENDANT	NOVA 24" PENDANT, 3560 LUMENS, 3500K, FLAT CANOPY MOUNT, COPPER FINISH, 0-10V %1 DIMMING, 120-277V, ADJUST MOUNTING HEIGHT BASED ON HEIGHT LISTED ON PLANS	5
P8	PEERLESS	BRM9L-8FT-MSL8-80CRI-35K-ID1000LMF-70/30-MIN1-ZT-277-S CT-F1/18F-C210-DU	3500K LED	277 V/1-64 VA	PENDANT	BRUNO LED SOFTSHINE 8 FT, 70 INDIRECT/ 30 DIRECT, 1000 NOMINAL LUMENS PER FOOT, 35K, 1% 0-10V DIMMING, 277V SINGLE CIRCUIT, UNIVERSAL T-BAR CEILING MOUNTING BRACKET, 18" FIXED PENDANT LENGTH, WHITE FINISH, DUST COVER ACCESSORY	6
P12	PEERLESS	BRM9L-12FT-MSL8-80CRI-35K-ID1000LMF-70/30-MIN1-ZT-277-S CT-F1/18F-C210-DU	3500K LED	277 V/1-96 VA	PENDANT	BRUNO LED SOFTSHINE 12 FT, 70 INDIRECT/ 30 DIRECT, 1000 NOMINAL LUMENS PER FOOT, 35K, 1% 0-10V DIMMING, 277V SINGLE CIRCUIT, UNIVERSAL T-BAR CEILING MOUNTING BRACKET, 18" FIXED PENDANT LENGTH, WHITE FINISH, DUST COVER ACCESSORY	5
P16	PEERLESS	BRM9L-16FT-MSL8-80CRI-35K-ID1000LMF-70/30-MIN1-ZT-277-S CT-F1/18F-C210-DU	3500K LED	277 V/1-128 VA	PENDANT	BRUNO LED SOFTSHINE 16 FT, 70 INDIRECT/ 30 DIRECT, 1000 NOMINAL LUMENS PER FOOT, 35K, 1% 0-10V DIMMING, 277V SINGLE CIRCUIT, UNIVERSAL T-BAR CEILING MOUNTING BRACKET, 18" FIXED PENDANT LENGTH, WHITE FINISH, DUST COVER ACCESSORY	3
P20	PEERLESS	BRM9L-20FT-MSL8-80CRI-35K-ID1000LMF-70/30-MIN1-ZT-277-S CT-F1/18F-C210-DU	3500K LED	277 V/1-160 VA	PENDANT	BRUNO LED SOFTSHINE 20 FT, 70 INDIRECT/ 30 DIRECT, 1000 NOMINAL LUMENS PER FOOT, 35K, 1% 0-10V DIMMING, 277V SINGLE CIRCUIT, UNIVERSAL T-BAR CEILING MOUNTING BRACKET, 18" FIXED PENDANT LENGTH, WHITE FINISH, DUST COVER ACCESSORY	12
P24	PEERLESS	BRM9L-24FT-MSL8-80CRI-35K-ID1000LMF-70/30-MIN1-ZT-277-S CT-F1/18F-C210-DU	3500K LED	277 V/1-192 VA	PENDANT	BRUNO LED SOFTSHINE 24 FT, 70 INDIRECT/ 30 DIRECT, 1000 NOMINAL LUMENS PER FOOT, 35K, 1% 0-10V DIMMING, 277V SINGLE CIRCUIT, UNIVERSAL T-BAR CEILING MOUNTING BRACKET, 18" FIXED PENDANT LENGTH, WHITE FINISH, DUST COVER ACCESSORY	38
P28	PEERLESS	BRM9L-28FT-MSL8-80CRI-35K-ID1000LMF-70/30-MIN1-ZT-277-S CT-F1/18F-C210-DU	3500K LED	277 V/1-224 VA	PENDANT	BRUNO LED SOFTSHINE 28 FT, 70 INDIRECT/ 30 DIRECT, 1000 NOMINAL LUMENS PER FOOT, 35K, 1% 0-10V DIMMING, 277V SINGLE CIRCUIT, UNIVERSAL T-BAR CEILING MOUNTING BRACKET, 18" FIXED PENDANT LENGTH, WHITE FINISH, DUST COVER ACCESSORY	2
PS30	ANDLIGHT	SLA-30-P-WW-CUSTOM-012 *ADD 0-10V DIMMING, 277V INPUT, RED FELT - COLOR TO MATCH SHERWIN WILLIAMS "POSITIVE RED"	3500K LED	277 V/1-4 VA	PENDANT	SLAB 30 PENDANT, 30CM LENGTH, 4W LED, 3000K, ACRYLIC AND WOOL FELT FIXTURE, RED FELT - COLOR TO MATCH SHERWIN WILLIAMS "POSITIVE RED", REQUEST 0-10V DIMMING AND 277V	3
PS90	ANDLIGHT	SLA-90-P-WW-GRY-012 *ADD 0-10V DIMMING, 277V INPUT	3500K LED	277 V/1-14 VA	PENDANT	SLAB 90 PENDANT, 90CM LENGTH, 14W LED, 3000K, ACRYLIC AND WOOL FELT FIXTURE, GREY WOOL, REQUEST 0-10V DIMMING AND 277V	1
PS150	ANDLIGHT	SLA-150-P-WW-GRY-012 *ADD 0-10V DIMMING, 277V INPUT	3500K LED	277 V/1-24 VA	PENDANT	SLAB 150 PENDANT, 150CM LENGTH, 24W LED, 3000K, ACRYLIC AND WOOL FELT FIXTURE, GREY WOOL, REQUEST 0-10V DIMMING AND 277V	1
PS210	ANDLIGHT	SLA-210-P-WW-GRY-012 *ADD 0-10V DIMMING, 277V INPUT	3500K LED	277 V/1-34 VA	PENDANT	SLAB 210 PENDANT, 210CM LENGTH, 34W LED, 3000K, ACRYLIC AND WOOL FELT FIXTURE, GREY WOOL, REQUEST 0-10V DIMMING AND 277V	2
PT20	PEERLESS	BRM9L-LLP-20FT-MSL4-80CRI-TUWH-PROR-ID800LMF-70/30-D ARK-NLT-277-SCT-F1/X-X-X	3500K LED	277 V/1-120 VA	PENDANT	BRUNO LED SOFTSHINE 20 FT, 70 INDIRECT/ 30 DIRECT, 800 NOMINAL LUMENS PER FOOT, 35K, 1% 0-10V DIMMING, 277V SINGLE CIRCUIT, UNIVERSAL T-BAR CEILING MOUNTING BRACKET, 18" FIXED PENDANT LENGTH, WHITE FINISH, DUST COVER ACCESSORY	3
R4	MARK LIGHTING	SL4L-LOP-4FT-FLP-TG-80CRI-35K-400LMF-MIN1-277-ZT	3500K LED	277 V/1-16 VA	RECESSED	SLOT 4 LED LINEAR RECESSED 4 FT, 400 LUMENS/FT, 3500K, 80 CRI, 1% 0-10V DIMMING, 277V, PROVIDE FLANGE (CEILING TRIM : FL) WHERE REQUIRED FOR MOUNTING IN CEILING.	65
R4-2'	MARK LIGHTING	SL4L-LOP-2FT-FLP-TG-80CRI-35K-400LMF-MIN1-277-ZT	3500K LED	277 V/1-8 VA	RECESSED	SLOT 4 LED LINEAR RECESSED 2 FT, 400 LUMENS/FT, 3500K, 80 CRI, 1% 0-10V DIMMING, 277V, PROVIDE FLANGE (CEILING TRIM : FL) WHERE REQUIRED FOR MOUNTING IN CEILING.	2
R6	MARK LIGHTING	SL4L-LOP-6FT-FLP-TG-80CRI-35K-400LMF-MIN1-277-ZT	3500K LED	277 V/1-24 VA	RECESSED	SLOT 4 LED LINEAR RECESSED 6 FT, 400 LUMENS/FT, 3500K, 80 CRI, 1% 0-10V DIMMING, 277V, PROVIDE FLANGE (CEILING TRIM : FL) WHERE REQUIRED FOR MOUNTING IN CEILING.	2
R8	MARK LIGHTING	SL4L-LOP-8FT-FLP-TG-80CRI-35K-400LMF-MIN1-277-ZT	3500K LED	277 V/1-32 VA	RECESSED	SLOT 4 LED LINEAR RECESSED 8 FT, 400 LUMENS/FT, 3500K, 80 CRI, 1% 0-10V DIMMING, 277V, PROVIDE FLANGE (CEILING TRIM : FL) WHERE REQUIRED FOR MOUNTING IN CEILING.	19
R8A	MARK LIGHTING	SL4L-LOP-8FT-FLP-TG-80CRI-35K-600LMF-MIN1-277-ZT	3500K LED	277 V/1-48 VA	RECESSED	SLOT 4 LED LINEAR RECESSED 8 FT, 600 LUMENS/FT, 3500K, 80 CRI, 1% 0-10V DIMMING, 277V, PROVIDE FLANGE (CEILING TRIM : FL) WHERE REQUIRED FOR MOUNTING IN CEILING.	11
R10	MARK LIGHTING	SL4L-LOP-10FT-FLP-X-80CRI-35K-400LMF-2DL-S80CRI-S35K-X-277-ZT	3500K LED	277 V/1-40 VA	RECESSED	SLOT 4 LED LINEAR RECESSED, 400 LUMENS/FT, 3500K, 0-10V DIMMING, PROVIDE FLANGE WHERE REQUIRED FOR MOUNTING TO CEILING GRID.	1
R12	MARK LIGHTING	SL4L-LOP-12FT-FLP-TG-80CRI-35K-400LMF-MIN1-277-ZT	3500K LED	277 V/1-48 VA	RECESSED	SLOT 4 LED LINEAR RECESSED 12 FT, 400 LUMENS/FT, 3500K, 80 CRI, 1% 0-10V DIMMING, 277V, PROVIDE FLANGE (CEILING TRIM : FL) WHERE REQUIRED FOR MOUNTING IN CEILING.	17
R14	MARK LIGHTING	SL4L-LOP-14FT-FLP-X-80CRI-35K-400LMF-2DL-S80CRI-S35K-X-277-ZT	3500K LED	277 V/1-56 VA	RECESSED	SLOT 4 LED LINEAR RECESSED, 400 LUMENS/FT, 3500K, 0-10V DIMMING, PROVIDE FLANGE WHERE REQUIRED FOR MOUNTING TO CEILING GRID.	2
R16	MARK LIGHTING	SL4L-LOP-16FT-FLP-TG-80CRI-35K-400LMF-MIN1-277-ZT	4000K LED	277 V/1-64 VA	RECESSED	SLOT 4 LED LINEAR RECESSED 16 FT, 400 LUMENS/FT, 3500K, 80 CRI, 1% 0-10V DIMMING, 277V, PROVIDE FLANGE (CEILING TRIM : FL) WHERE REQUIRED FOR MOUNTING IN CEILING.	10
R20	MARK LIGHTING	SL4L-LOP-20FT-FLP-TG-80CRI-35K-400LMF-MIN1-277-ZT	3500K LED	277 V/1-80 VA	RECESSED	SLOT 4 LED LINEAR RECESSED 20 FT, 400 LUMENS/FT, 3500K, 80 CRI, 1% 0-10V DIMMING, 277V, PROVIDE FLANGE (CEILING TRIM : FL) WHERE REQUIRED FOR MOUNTING IN CEILING.	6
R24	MARK LIGHTING	SL4L-LOP-24FT-FLP-TG-80CRI-35K-400LMF-MIN1-277-ZT	3500K LED	277 V/1-96 VA	RECESSED	SLOT 4 LED LINEAR RECESSED 24 FT, 400 LUMENS/FT, 3500K, 80 CRI, 1% 0-10V DIMMING, 277V, PROVIDE FLANGE (CEILING TRIM : FL) WHERE REQUIRED FOR MOUNTING IN CEILING.	7
R32	MARK LIGHTING	SL4L-LOP-32FT-FLP-TG-80CRI-35K-400LMF-MIN1-277-ZT	3500K LED	277 V/1-128 VA	RECESSED	SLOT 4 LED LINEAR RECESSED 32 FT, 400 LUMENS/FT, 3500K, 80 CRI, 1% 0-10V DIMMING, 277V, PROVIDE FLANGE (CEILING TRIM : FL) WHERE REQUIRED FOR MOUNTING IN CEILING.	9
SF1	METALUMEN	RM4DOD-1L35K-4-M-SA-L3-1-R-4	3500K LED	277 V/1-24 VA	RECESSED	GRANDE OUTDOOR LED RECESSED LINEAR, 4' LENGTH, SATIN ALUMINUM FINISH, 2874 NOMINAL LUMENS, SINGLE CIRCUIT, 120-277V	7
SF2	METALUMEN	RM4DOD-1L35K-8-M-SA-L3-1-R-4	3500K LED	277 V/1-48 VA	RECESSED	GRANDE OUTDOOR LED RECESSED LINEAR, 8' LENGTH, SATIN ALUMINUM FINISH, 5748 NOMINAL LUMENS, SINGLE CIRCUIT, 120-277V	8
SL1	PHILIPS DAY-BRITE	LF-4'-FR-39-35K-U-DZT	3500K LED	277 V/1-40 VA		FLUXSTREAM LED 4' LINEAR, FROSTED LENS, 3500K, 3900 LUMENS, UNIVERSAL VOLTAGE, 0-10V DIMMING, SURFACE MOUNT	35
SW1	LITHONIA LIGHTING	DSXW2 LED-20C-350-40K-T2S-MVOLT-BBW-DMG-PIR-DOBXD	4000K LED	277 V/1-25 VA	WALL SURFACE, 120" AFF UNO	WALL MOUNTED 4000K LED, 2700 LUMENS, UNIVERSAL VOLTAGE, SURFACE-MOUNTED BACK BOX, TYPE 2 SHORT DISTRIBUTION, PIR SENSOR, DARK BRONZE FINISH	9
T1	MARK LIGHTING	WHSPR-2X2-2000LM-35K-80CRI-MIN10-ZT-MVOLT-SWC	3500K LED	277 V/1-18 VA	RECESSED	WHISPER LED 2X2, 3500K, 2000 LUMENS, 0-10V DIMMING, UNIVERSAL VOLTAGE, SOFT WHITE ACRYLIC LENS	43
TL1	LSI	LP2-ZE822-90-35-12-00-TE277W	RGBL LED	120 V/1-148 VA	SURFACE	COLORSOURCE LED SPOT FIXTURE, 19 DEGREE	6
TL2	LSI	LP2-ZE822-90-35-25-00-TE277W	RGBL LED	120 V/1-102 VA	SURFACE	COLORSOURCE LED PAR FIXTURE, WIDE ROUND OPTIC.	5
TLX1	SIGNTEX INC.	MHE-RE-30-S-A	4700K LED	277 V/1-30 VA	WALL SURFACE	SURFACE MOUNTED LED EMERGENCY LIGHT, ALUMINUM FINISH. PROVIDES 1 FC AVERAGE COVERAGE UNDER 40' X 40'	1
TLX2	SIGNTEX INC.	MHE-RE-30-R-W-SP	4700K LED	277 V/1-30 VA	RECESSED	RECESSED MOUNTED LED EMERGENCY LIGHT, WHITE FINISH. PROVIDES 1 FC AVERAGE COVERAGE UNDER 40' X 40'	3
WL1	PRUDENTIAL LIGHTING	S1-LED35-L-O-4'-SAL-TMW-UNV-SUR-X3-DM10	3500K LED	277 V/1-17 VA	WALL	LINEAR SURFACE WALL MOUNT, +70" AFF TYPICAL, 3500K, LOW OUTPUT, SATIN ACRYLIC LENS, TEXTURED MATTE WHITE FINISH, 0-10V DIMMING, UNIVERSAL VOLTAGE	14
WL2	METALUMEN	RM4DOD-1L35K-4-M-SA-L3-1-W-4	3500K LED	277 V/1-24 VA	WALL	LINEAR SURFACE WALL MOUNT, 3500K, 0-10V DIMMING, UNIVERSAL VOLTAGE, 2874 NOMINAL LUMENS, SATIN ALUMINUM FINISH	2
WL2-8	METALUMEN	RM4DOD-1L35K-8-M-SA-L3-1-W-4	3500K LED	277 V/1-48 VA	WALL	8' LINEAR SURFACE WALL MOUNT, 3500K, 0-10V DIMMING, UNIVERSAL VOLTAGE, 5748 NOMINAL LUMENS	3
WW1	BEGA	66911-K35	3500K LED	277 V/1-18 VA	CEILING SURFACE WALL	BEGA CEILING MOUNTED DOWNLIGHT, 18W, BLACK FINISH	1
X1	LITHONIA	EDG-1-G-EL-WM	LED	277 V/1-5 VA		SINGLE FACE WALL MOUNT EDGE LIT LED EXIT LIGHT	2
X2	LITHONIA	EDG-2-G-EL-WM	LED			DUAL FACE WALL MOUNT EDGE LIT LED EXIT LIGHT	1
X2A	LITHONIA	EDG-1-G-EL	LED	277 V/1-5 VA	CEILING SURFACE	SINGLE FACE SURFACE MOUNT EDGE LIT LED EXIT LIGHT	29
X2B	LITHONIA	EDG-2-G-EL	LED	277 V/1-5 VA		DUAL FACE SURFACE MOUNT EDGE LIT LED EXIT LIGHT	9

E7.1

74-18104-00
08/07/2019
Revisions
A-Z 08/01/19



ELECTRICAL SCHEDULES
ELEMENTARY SCHOOL #28
HILLSBORO SCHOOL DISTRICT

PERMIT SET

NW WEST UNION ROAD AND
NW JACKSON SCHOOL ROAD
HILLSBORO, OR 97133

MECHANICAL AND PLUMBING CONNECTION SCHEDULE										
Unit Serves	Comments	Unit HP	Electrical Data	Unit FLA	Unit MCA	Unit MOCP	Panel	Circuit Number	Unit Feeder	Unit Notes
BLR-1	BOILER		208 V/2-2519 VA	7 A	8 A	20 A	SB1A	20.22	2#12, #12 G, 3/4" C	4
BLR-2	BOILER		208 V/2-2519 VA	7 A	8 A	20 A	SB1A	21.23	2#12, #12 G, 3/4" C	4
BCP-1	BOILER PUMP	2	480 V/3-2823 VA	3 A	4 A	15 A	SBH	5.7,9	3#12, #12 G, 3/4" C	4
BCP-2	BOILER PUMP	2	480 V/3-2823 VA	3 A	4 A	15 A	SBH	6.8,10	3#12, #12 G, 3/4" C	4
CUH-101	CABINET UNIT HEATER	0.067	120 V/1-96 VA	1 A	1 A	15 A	L1C	3	2#12, #12 G, 3/4" C	4
CUH-158	CABINET UNIT HEATER	0.067	120 V/1-96 VA	1 A	1 A	15 A	L1C	4	2#12, #12 G, 3/4" C	4
CP-1	CIRCULATION PUMP	200 W	120 V/1-200 VA	2 A	2 A	15 A	L1C	14	2#12, #12 G, 3/4" C	4
CP-2	CIRCULATION PUMP	60 W	120 V/1-60 VA	1 A	1 A	15 A	SB1A	19	2#12, #12 G, 3/4" C	4
EF-109	EXHAUST FAN	0.17	120 V/1-528 VA	4 A	6 A	15 A	L2C	10	2#12, #12 G, 3/4" C	1.6
EF-111	EXHAUST FAN	0.17	120 V/1-528 VA	4 A	6 A	15 A	L2C	11	2#12, #12 G, 3/4" C	1.6
EF-117	EXHAUST FAN	0.33	120 V/1-864 VA	7 A	9 A	15 A	L2C	9	2#12, #12 G, 3/4" C	1.6
EF-125	EXHAUST FAN	0.17	120 V/1-528 VA	4 A	5 A	15 A	L1C	5	2#12, #12 G, 3/4" C	1.6
EF-136	EXHAUST FAN	0.5	120 V/1-1176 VA	10 A	12 A	15 A	L2C	12	2#12, #12 G, 3/4" C	1.6
EF-146	EXHAUST FAN	0.17	120 V/1-528 VA	4 A	6 A	15 A	L2C	2	2#12, #12 G, 3/4" C	1.6
EF-150	EXHAUST FAN	0.17	120 V/1-528 VA	4 A	6 A	15 A	L2C	3	2#12, #12 G, 3/4" C	1.6
EF-161	EXHAUST FAN	0.25	120 V/1-696 VA	6 A	7 A	15 A	L2C	1	2#12, #12 G, 3/4" C	1.6
EF-165A	EXHAUST FAN	0.5	120 V/1-1176 VA	10 A	12 A	15 A	SB1A	9	2#12, #12 G, 3/4" C	1.6
EF-165B	EXHAUST FAN	1.5	480 V/3-2491 VA	3 A	4 A	15 A	SBH	23,25,27	2#12, #12 G, 3/4" C	1.6
EF-174	EXHAUST FAN	0.17	120 V/1-528 VA	4 A	6 A	15 A	L2C	20	2#12, #12 G, 3/4" C	1.6
EF-176	EXHAUST FAN	0.17	120 V/1-528 VA	4 A	6 A	15 A	L2C	8	2#12, #12 G, 3/4" C	1.6
EF-185	EXHAUST FAN	0.17	120 V/1-528 VA	4 A	6 A	15 A	L2C	15	2#12, #12 G, 3/4" C	1.6
EF-207	EXHAUST FAN	0.17	120 V/1-528 VA	4 A	5 A	15 A	L2C	14	2#12, #12 G, 3/4" C	1.6
EF-226	EXHAUST FAN	0.25	120 V/1-696 VA	6 A	7 A	15 A	L2C	13	2#12, #12 G, 3/4" C	1.6
KN-1	KILN	11000W	208 V/3-11420 VA	32 A	40 A	75 A	L2C	28,30,32	3#8, #10 G, 1" C	
GP-1	PUMP	0.33	120 V/1-864 VA	7 A	9 A	15 A	L1C	15	2#12, #12 G, 3/4" C	4
HWP-1	PUMP	7.5	480 V/3-9134 VA	11 A	13 A	20 A	SBH	17,19,21	3#12, #12 G, 3/4" C	2.4
HWP-2	PUMP	7.5	480 V/3-9134 VA	11 A	13 A	20 A	SBH	18,20,22	3#12, #12 G, 3/4" C	2.4
RTU-1	ROOF TOP UNIT		480 V/3-117917 VA	142 A	148 A	150 A	DPHA	8,10,12	3#10, #6 G, 2" C	2.6
RTU-2	ROOF TOP UNIT		480 V/3-90618 VA	109 A	115 A	125 A	DPHA	13,15,17	3#10, #6 G, 2" C	2.6
RTU-3	ROOF TOP UNIT		480 V/3-19930 VA	24 A	30 A	35 A	DPHA	14,16,18	3#10, #10 G, 3/4" C	2.6
RTU-4	ROOF TOP UNIT		480 V/3-23251 VA	28 A	32 A	40 A	DPHA	2,4,6	3#8, #10 G, 1" C	2.6
RTU-4 COMPRESSOR	ROOF TOP UNIT		480 V/3-14964 VA	18 A	23 A	30 A	SBH	11,13,15	3#10, #10 G, 3/4" C	2.6
RTU-5	ROOF TOP UNIT		480 V/3-35707 VA	43 A	47 A	60 A	DPHA	25,27,29	3#4, #10 G, 1 1/4" C	2.6
RTU-5 COMPRESSOR	ROOF TOP UNIT		480 V/3-26573 VA	32 A	40 A	50 A	SBH	29,31,33	3#6, #10 G, 1" C	2.6
RTU-6	ROOF TOP UNIT		480 V/3-11293 VA	14 A	17 A	20 A	DPHA	19,21,23	3#12, #12 G, 3/4" C	2.6
RTU-7	ROOF TOP UNIT		480 V/3-11293 VA	14 A	17 A	20 A	DPHA	20,22,24	3#12, #12 G, 3/4" C	2.6
EF-1	SOIL EXHAUST FAN	0.18	120 V/1-137 VA	1 A	2 A	15 A	L2C	23	2#12, #12 G, 3/4" C	
EF-2	SOIL EXHAUST FAN	0.18	120 V/1-137 VA	1 A	2 A	15 A	L2C	26	2#12, #12 G, 3/4" C	
EF-3	SOIL EXHAUST FAN	0.18	120 V/1-137 VA	1 A	2 A	15 A	L2C	21	2#12, #12 G, 3/4" C	
EF-4	SOIL EXHAUST FAN	0.18	120 V/1-137 VA	1 A	2 A	15 A	L2C	24	2#12, #12 G, 3/4" C	
CU-142	SPLIT SYSTEM CONDENSOR UNIT		208 V/2-126 VA	1 A	13 A	15 A	SB1A	45,47	2#12, #12 G, 3/4" C	4.5,6
CU-166	SPLIT SYSTEM CONDENSOR UNIT		208 V/2-124 VA	1 A	13 A	15 A	L2C	4,6	2#12, #12 G, 3/4" C	4.5,6
CU-167	SPLIT SYSTEM CONDENSOR UNIT		208 V/2-124 VA	1 A	13 A	20 A	L2C	5,7	2#12, #12 G, 3/4" C	4.5,6
CU-231	SPLIT SYSTEM CONDENSOR UNIT		208 V/2-126 VA	1 A	13 A	15 A	SB1A	44,46	2#12, #12 G, 3/4" C	4.5,6
AC-142	SPLIT SYSTEM INDOOR UNIT		208 V/2-360 VA	1 A	1 A	15 A	L1C	17,19	2#12, #12 G, 3/4" C	4.5
AC-166	SPLIT SYSTEM INDOOR UNIT		208 V/2-360 VA	1 A	1 A	15 A	L1C	18,20	2#12, #12 G, 3/4" C	4.5
AC-167	SPLIT SYSTEM INDOOR UNIT		208 V/2-360 VA	1 A	1 A	15 A	L1C	21,23	2#12, #12 G, 3/4" C	4.5
AC-235	SPLIT SYSTEM INDOOR UNIT		208 V/2-360 VA	1 A	1 A	15 A	L2C	16,18	2#12, #12 G, 3/4" C	4.5
UH-164	UNIT HEATER	96 W	120 V/1-96 VA	1 A	1 A	15 A	L1C	1	2#12, #12 G, 3/4" C	4
UH-165	UNIT HEATER	96 W	120 V/1-96 VA	1 A	1 A	15 A	L1C	2	2#12, #12 G, 3/4" C	4
WH-1	WATER HEATER		120 V/1-600 VA	5 A	6 A	15 A	L1C	7	2#12, #12 G, 3/4" C	4
WH-2	WATER HEATER		120 V/1-600 VA	5 A	6 A	15 A	L1C	6	2#12, #12 G, 3/4" C	4
WH-3	WATER HEATER		120 V/1-600 VA	5 A	6 A	15 A	SB1A	10	2#12, #12 G, 3/4" C	4

MECHANICAL EQUIPMENT CONNECTIONS SCHEDULE, GENERAL NOTES:

A. THE ABOVE INFORMATION IS FOR A SPECIFIC MANUFACTURER. THE ACTUAL MANUFACTURER FOR THE EQUIPMENT MAY DIFFER. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR ACTUAL LOADS, CIRCUIT AMPACITY AND OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO MAKING ELECTRICAL CONNECTIONS.

B. LOCATE ALL DISCONNECTING MEANS PER NEC AND AHJ REQUIREMENTS. STARTERS ARE SEPARATELY MOUNTED UNLESS OTHERWISE NOTED.

C. ALL DISCONNECTS ARE 3 POLE UNLESS NOTED OTHERWISE.

D. ABBREVIATIONS:
MITS - MOTOR RATED TOGGLE SWITCH
TS - TOGGLE SWITCH

MECHANICAL EQUIPMENT CONNECTIONS SCHEDULE, SPECIFIC NOTES:

- AD-2
1. POWER TO MOTOR SUPPLY THROUGH UNIT.
2. VFD PROVIDED BY DIVISION 26 AND CONNECTED BY DIVISION 26.
3. FURNISH DUCT SPLIT SYSTEM OR FOR FOR INSTALLATION BY DIVISION 23 CONTRACTOR. HVAC UNITS OVER 2000 CFM TO HAVE DUCT DETECTOR IN RETURN AIR DUCT. COORDINATE WITH DIVISION 23 FOR QUANTITY REQUIRED. PROVIDE CONNECTION AT THE HVAC UNIT FOR SHUTDOWN ON FIRE ALARM AND CONNECTION TO THE FIRE ALARM CONTROL PANEL. FOR DETECTOR CONNECTIONS REQUIRED. ALL WIRING TO BE IN RIGID CONDUIT.
4. CONTROL BY BUILDING DDC SYSTEM. DDC SYSTEM CONNECTION PROVIDED BY DIVISION 23 CONTRACTOR.
5. POWER TO INDOOR UNIT TO BE CONNECTED THROUGH ASSOCIATED EXTERIOR UNIT. PROVIDE MOTOR RATED SWITCH FOR INDOOR UNIT DISCONNECTION MEANS.
6. EXTERIOR UNIT, DISCONNECT MEANS TO BE NEMA 3R RATED.
7. CONNECT 120V BRANCH CIRCUIT TO FACTORY INSTALLED GFI RECEPTACLE IN WEATHERPROOF ENCLOSURE. SEE POWER PLAN.
8. MOCP VALUE SHOWN IN THIS TABLE IS FROM MANUFACTURER. SEE PANEL SCHEDULES FOR STANDARD CIRCUIT BREAKER SIZE.

LEGEND NOTES

LEGEND NOTES ARE COMMON TO ALL
SOME NOTES MAY NOT APPLY TO THIS SHEET

