

Addendum No. 1

Date: 11.10.2022

Project: Missouri Western State University – Cross Country Building – FB23-054

All Prospective Bidders:

All bidders furnishing necessary materials and/or labor, this addendum is hereby part of the Contract Documents as though it were originally therein. Refer to Proposal Form for acknowledgement of Addenda.

Clarification:

1. Please see the attached pre bid sign in sheet.
2. The exterior sheathing shall be 7/16" osb on walls and 5/8" osb on roof.
3. See attached sketch for sidewalk and step layouts.
4. Contractor is responsible for rough in only for low voltage and data.
5. Sectional doors shall have a 20 gauge exterior and 27 gauge interior, insulated, no windows and a trolley operator
6. Approved substitute manufacturers are:
 - a. PPG paints
 - b. Benjamin Moore paints
 - c. Tnemec fluid applied flooring
 - d. Master Builders – masterSeal AWB 660
 - e. Raynor AP138 overhead door, with Liftmaster Model L18900W.

Bidding Requirements

1. See below scope lists for work to be included in Base Bid:

P1 Group:

- a. We will provide a Daikin HVAC to condition the space based off loads PKMR provided
- b. We will install, program, and commission the HVAC system via a Building automation system
- c. We will provide, wire & install all bathroom exhaust fans
- d. We will provide all low voltage wiring for HVAC system

- e. We will provide all high voltage wiring for HVAC system
- f. We will provide, wire, install a hanging electric heater in back storage room
- g. We will provide and install all ductwork, Grids, OA Damper, grills (SA/RA)
- h. We will insulate ductwork
- i. We will install and insulate refrigerant lines for HVAC system
- j. We will install condensate lines for AHU
- k. On all electrical wiring, we will be taking it from the main breaker panel "set by others" to the equipment stated above
- l. We will mount a duct smoke detector on unit
- m. We DO NOT have any fire alarm panels or integration in our bid

Scott Gann Construction:

Mobilization

Sediment & Erosion Control

Construction Entrance

Concrete Washout Area Prepared & Removed

Clearing and Stripping of Affected Site.

Site Grading

Building Footing and Pier Excavation

Provide & Install Granular Materials Under the Building Slab And Sidewalks

Modular Retaining Wall Block With Drain Tile & Granular Backfill

Excavation For Plumbing Rough In

Excavation and Backfill of Sanitary Sewer Line and Domestic Water Service

Excavation and Backfill of Electrical Service

Storm Water Piping & Detention

Green areas Will Be Backfilled With Onsite Soils Only With No Compaction

Finish Grading

Seeding of Affected Area

Trash Generated From Our Work Will Be Cleaned Up & Placed In An Onsite Dumpster Provided By The GC Or Others

Missouri Wage Determination #29

Exclusions:

No Overtime, Holiday or Weekends

No Allowances For Soft, Wet or Low Yielding Soils

No lay Out, No Staking, No Testing

No Rock Excavation Included

No Removal of Buried or Unwanted Martials

No Cleaning To Be Able To Perform Work, Job Site Must Have Good Access and Free of Obstructions.

2. Contractor shall provide the number of calendar days to complete the work, on the Bid Form. This project will have liquidated damages in the amount of \$500 per day after that completion date.

Changes to Project Manual:

1. Section 08 7100 Door hardware

1. Opening 100A shall have :

Qty		Description	Catalog Number	Finish	Mfr.
1	EA	CONT. HINGE	112HD/224HD EPT	628	IVE
1	EA	POWER TRANSFER	EPT 10	689	VON
1	EA	ELEC PANIC HARDWARE	RX-LC-QEL+-99-NL	626	VON
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	DRIP CAP	16A	CL	NGP
1	EA	DOOR SWEEP	C627A	CL	NGP
1	EA	THRESHOLD	425	AL	NGP
1	EA	MULTI-TECH READER	OWNER PROVIDED	BLK	SCE
1	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS902 900 BBK 900-SRS-FA	LGR	VON

2. All locksets shall be Schlage mortise cylinders LFIC cylinders and housings.
Owner to provide the LIFC cores.

Changes to Drawings:

CIVIL

1. Sheet 10

- a. See attached sheet for electrical service information.

ELECTRICAL

1. Sheet E101

1. See attached for added receptacles.
2. Approximate distance from building to finish line is 900'.

2. Sheet E102

1. See attached sheet for revised service diagram.

End of Addendum

MANDATORY PRE-BID MEETING

CROSS COUNTRY TRACK BUILDING

NAME AND ADDRESS	COMPANY	PHONE	E-MAIL ADDRESS
Wade Harms	E.L. Crawford	816 233-2596	wade@elcrawford.com
STANLEY STREIBER	LEHR CONSTRUCTION	816-262-1357	STANLEY@LEHRCONSTRUCTION.COM
Bill Jackson	Lehr Construction	816-232-4431	bill@lehrconstruction.com
RICHARD SAPIEN	ALTMUELLER CONST	816-233-6055	RSAPIEN@ALTMUELLER.COM
Todd Westcott	Seaman & Schuske	816-205-5741	twescott@seamanschuske.com
Jeff Ellison	Ellison-Alex Arch	816 233 8007	jeff@ellison-arch.com

MANDATORY PRE-BID MEETING

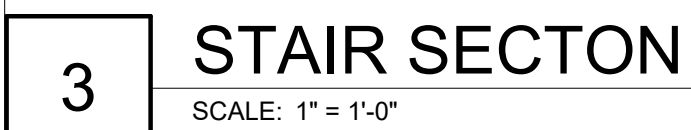
CROSS COUNTRY TRACK BUILDING

NAME AND ADDRESS	COMPANY	PHONE	E-MAIL ADDRESS
Ron Montoya	Lee Grover Const	cell 2-622-442 810-270-7818	brock_w_lpc@esbglobal.net
Zach Schurman	Laushon Const. Co.	816-279-6868	zach@laushonconst.com
Kevin Dancik	OBTAINERY OSS	913. 961.7997	KEVIN O @ OBTAINERY.COM
John Salas	OBTAINERY OSS	816-210-7891	js@obtainery.com JAS
Bryan Adkins	MW		
Brian Herliak	MW		

MANDATORY PRE-BID MEETING

CROSS COUNTRY TRACK BUILDING

NAME AND ADDRESS	COMPANY	PHONE	E-MAIL ADDRESS
Jeremy Willet	P1 Group	816-674-3894	Jeremy.Willet@P1Group.com
Bryce McClure	P1 Group	816-262-0745	bryce.mccclure@P1Group.com
SHAWN CONZ	P1 Group	816-596-1511	SHAWN.CONZ@P1Group.com
Nick High	Hervar Construction	816-261-5348	Nick@hervarconstruction.com
Cody Ingold	MASU	402-689 7827	CIngold.com
Willy Sloan	MWSA	4465	purchase



924 FRANCIS ST.
ST. JOSEPH, MO 64501
P: 816-233-8003 F: 816-233-7793
www.ellison-auxier.com

CONSULTANTS

[illegible]

PROJECT:
CROSS COUNTRY BUILDING

MISSOURI WESTERN
STATE UNIVERSITY

4525 DOWNS DRIVE
ST. JOSEPH, MO

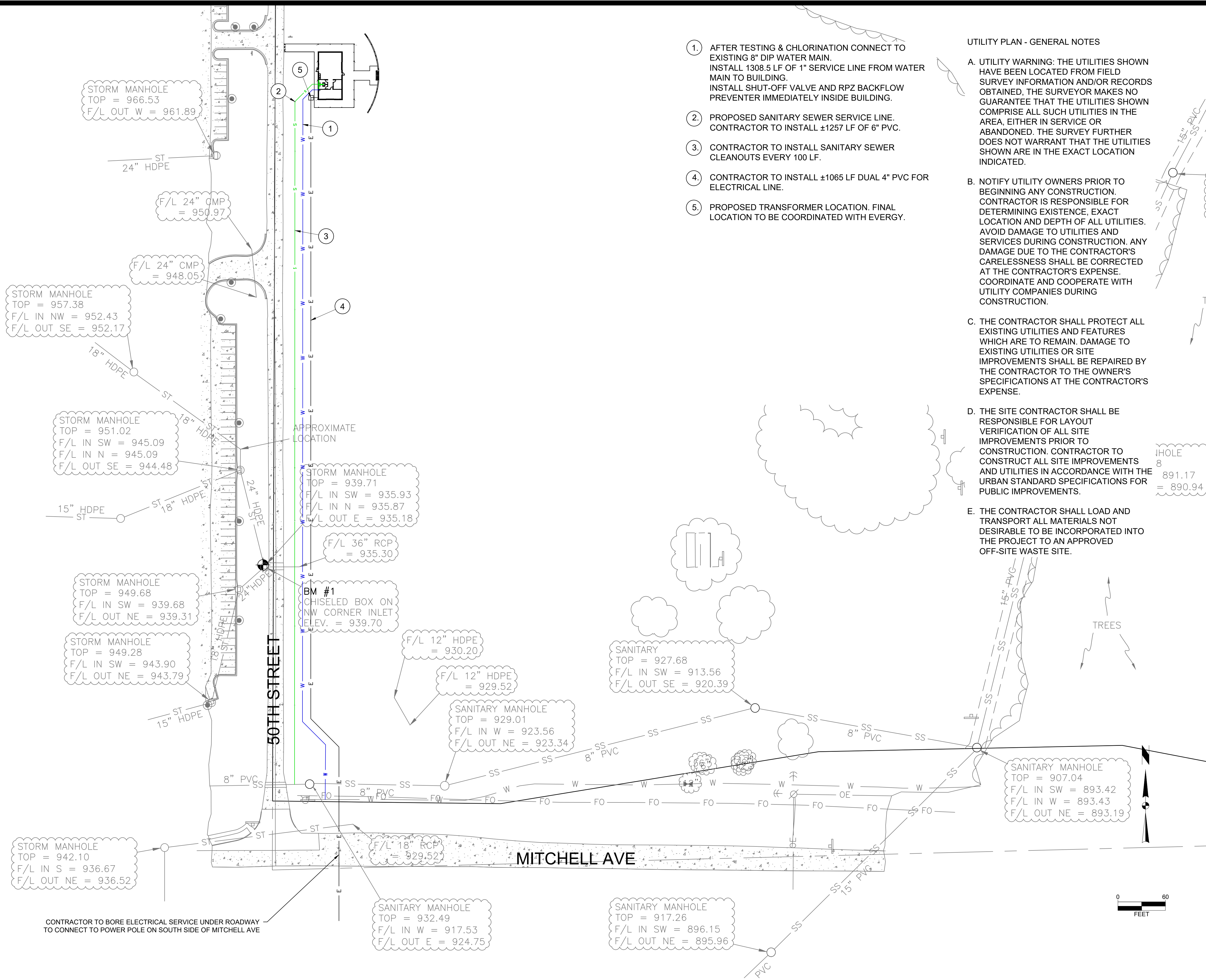
SITE PLAN

SHEET:
A421

OF: DATE: 7.28.2022

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1. AFTER TESTING & CHLORINATION CONNECT TO EXISTING 8" DIP WATER MAIN. INSTALL 1308.5 LF OF 1" SERVICE LINE FROM WATER MAIN TO BUILDING. INSTALL SHUT-OFF VALVE AND RPZ BACKFLOW PREVENTER IMMEDIATELY INSIDE BUILDING.
2. PROPOSED SANITARY SEWER SERVICE LINE. CONTRACTOR TO INSTALL ±1257 LF OF 6" PVC.
3. CONTRACTOR TO INSTALL SANITARY SEWER CLEANOUTS EVERY 100 LF.
4. CONTRACTOR TO INSTALL ±1065 LF DUAL 4" PVC FOR ELECTRICAL LINE.
5. PROPOSED TRANSFORMER LOCATION. FINAL LOCATION TO BE COORDINATED WITH EVERGY.

UTILITY PLAN - GENERAL NOTES

A. UTILITY WARNING: THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.

B. NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTOR'S CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.

C. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND FEATURES WHICH ARE TO REMAIN. DAMAGE TO EXISTING UTILITIES OR SITE IMPROVEMENTS SHALL BE REPAIRED BY THE CONTRACTOR TO THE OWNER'S SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE.

D. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT VERIFICATION OF ALL SITE IMPROVEMENTS PRIOR TO CONSTRUCTION. CONTRACTOR TO CONSTRUCT ALL SITE IMPROVEMENTS AND UTILITIES IN ACCORDANCE WITH THE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.

E. THE CONTRACTOR SHALL LOAD AND TRANSPORT ALL MATERIALS NOT DESIRABLE TO BE INCORPORATED INTO THE PROJECT TO AN APPROVED OFF-SITE WASTE SITE.

MARK	REVISION	DATE	BY
Engineer: RS	Checked By: SD	Scale: 1" = 60'	
Technician: JS	Date: 07-01-2022	T-R-S:	

Shaw & Associates Engineers & Planners, Inc.
Missouri State Certificate of Authority #200608544

Sheet 10

STATE OF MISSOURI
SHAWN DUKE
NUMBER
PE-2013006489
PROFESSIONAL ENGINEER

SHAWN DUKE - ENGINEER
MO PE#2013006489

MWSU CROSS COUNTRY BUILDING

UTILITIES

ST. JOSEPH, MISSOURI

802 FRANCIS STREET
ST. JOSEPH, MISSOURI 64501
816-364-5222 | www.snyder-associates.com

SNYDER & ASSOCIATES
ENGINEERS & PLANNERS, INC.

Project No: 122.0727.11

Sheet 10



CONSULTANTS

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. COORDINATE EXACT NEMA CONFIGURATIONS OF RECEPTACLES SERVING EQUIPMENT WITH EXACT EQUIPMENT BEING FURNISHED.
3. REFER TO THE SPECIFICATIONS FOR ADDITIONAL LOCATIONS/REQUIREMENTS FOR RECEPTACLES, INCLUDING OF WEATHER-RESISTANT, HOSPITAL-GRADE, AND TAMPER-RESISTANT RECEPTACLES.
4. EXACT MECHANICAL EQUIPMENT LOCATIONS MAY NOT BE SHOWN FOR CLARITY. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, DUCT DETECTORS, ETC. WITH MECHANICAL DRAWINGS AND CONTRACTOR.
5. COORDINATE EXACT LOCATIONS OF SMOKE DETECTORS WITH CEILING FANS HVAC DIFFUSERS, SPRINKLER HEADS, ETC. PER NFPA REQUIREMENTS.

- 1 POWER FOR WATER FOUNTAIN.
- 2 PROVIDE DEDICATED CIRCUIT ON SITE TO FINISH LINE. COORDINATE WITH ARCHITECT FOR FINAL LOCATION. COORDINATE POWER REQUIREMENTS AND WIRE LENGTH FROM ROUGH IN TO ACCOUNT FOR ANY VOLTAGE DROP. PROVIDE ADDITIONAL 1" EMPTY CONDUIT WITH PULL STRINGS FOR CONTROL CABLEING.
- 3 CONNECT TO LIGHTING CONTROLLED CIRCUIT IN ROOM.
- 4 RECEPTACLE MOUNTING ON CEILING TO POWER MOTORIZED GARAGE DOORS. COORDINATE EXACT LOCATION OF RECEPTACLE.
- 5 PUSH BUTTON TO BE WIRED TO OPERATE WITH MOTORIZED GARAGE DOOR.
- 6 30A DISCONNECT SWITCH PROVIDED WITH ELECTRIC HEATER BY MANUFACTURER. VERIFY MOUNTING AND INSTALLATION REQUIREMENTS ON SITE.
- 7 60A, 208V, 2 POLE DISCONNECT SWITCH IN NEMA 3R ENCLOSURE.
- 8 2#6 WIRE, #10G, IN 1" CONDUIT.
- 9 2#1 WIRE, #8G, IN 1-1/4" CONDUIT.
- 10 PROVIDE J-BOX ROUGH-IN FOR CAMERA BY OTHERS, WITH 3/4" ROUTED TO STORAGE/MECH BUILDING. COORDINATE WITH OWNER'S IT PROVIDER.
- 11 PROVIDE 208V, 1 DEDICATED RECEPTACLE FOR TREADMILL. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.

THE WIRING AND/OR TIC MARKS SHOWN BELOW ARE NOT SHOWN ON PLANS FOR CLARITY. PROVIDE WIRING FROM JUNCTION BOX(ES) TO SWITCHES/CONTROLLERS AND LIGHTS AS SHOWN BELOW FOR EACH ROOM/AREA.

3-WAY WALL SWITCHES

Diagram illustrating a typical lighting fixture wiring configuration:

- SENSOR** is connected to the **TO PANELBOARD OR OTHER ROOMS AS SHOWN ON PLANS (TYPICAL)** line.
- The sensor is connected to a switch labeled **M** (Momentary).
- The switch **M** is connected to the **LIGHT FIXTURE(S)**.
- The wiring includes an **VERRIDE SWITCH (WHERE SHOWN)**.
- The fixture is connected to a **PROVIDE 'HOT' CONDUCTOR (BYPASSED AROUND OVERRIDE SWITCH) WHERE FIXTURE IS SHOWN TO HAVE EM BATTERY OR RA1 LAST**.

Diagram illustrating the wiring for a Room Controller (Typical) connected to a Junction Box (Not Shown on Plans for Clarity).

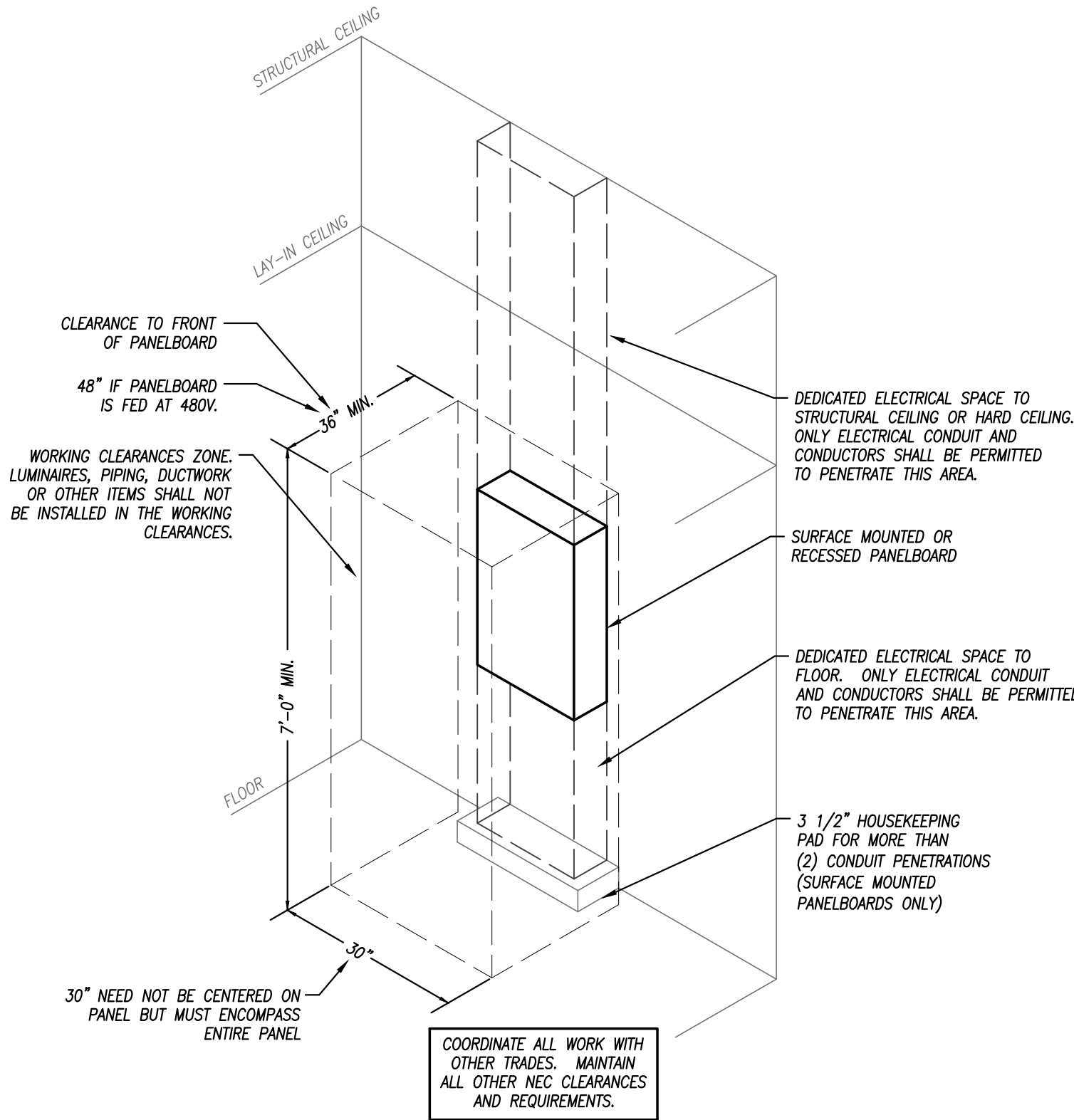
The diagram shows the following components and connections:

- JUNCTION BOX (NOT SHOWN ON PLANS FOR CLARITY):** The central connection point for the wiring.
- ROOM CONTROLLER (TYPICAL):** The main control unit.
- LIGHT FIXTURE(S):** The load being controlled.
- LOW VOLTAGE WIRING TO SWITCH(ES) AND SENSOR(S):** Indicated by a dashed line, referring to details for wiring of same.
- TO OTHER ROOM CONTROLLERS (IF SHOWN ON PLANS):** Connection to other controllers.
- SECOND RELAY (IF SHOWN):** An additional relay component.
- PROVIDE "HOT" CONDUCTOR WHERE FIXTURE IS SHOWN TO HAVE EM BATTERY/BALLAST (TYPICAL):** A note indicating the requirement for a hot conductor for certain fixture types.

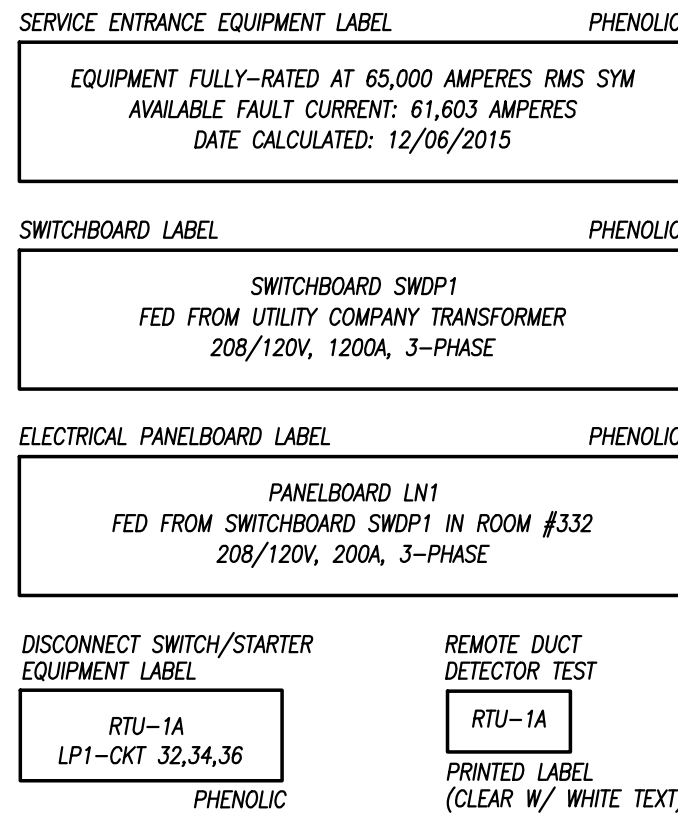
1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. LIGHT FIXTURES INDICATED AS EMERGENCY FIXTURES ARE TO FUNCTION AS NIGHT LIGHTS UNLESS SPECIFICALLY SHOWN OTHERWISE.
3. ALL CIRCUITING SHOWN ON THIS PLAN IS DIAGRAMATIC.
 1. ALL FIXTURES SHALL BE FED FROM JUNCTION BOXES WITH LIGHT FIXTURE WIRING (E.G. BUSY-CAPPING OF FIXTURES IS NOT ALLOWED).
 2. SWITCH BOX LOCATIONS SHALL BE WIRED SO THAT A NEUTRAL WIRE IS AVAILABLE AT THE SWITCH BOX LOCATION, EITHER IN THE BOX OR AVAILABLE TO BE ADDED VIA RACEWAY OR AN ACCESSIBLE WALL CAVITY.
 3. WALL SWITCHES FOR SEPARATE LOAD TYPES (E/M, NORMAL, 120/277V, ETC.) SHALL NOT BE IN THE SAME BOX.
3. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

- ① ROUTE INDICATED CIRCUIT TO HOMERUN PANEL VIA PHOTOCELL CONTROL.
- ② PHOTOCELL. ORIENT TO THE NORTH.
- ③ PROVIDE WALL SWITCH MOTION SENSOR (DUAL TECHNOLOGY), PASSIVE INFRARED AND ULTRASONIC, 120/277V, DECORA STYLE SENSOR. (WATSTOPPER DSW-100, OR EQUAL)

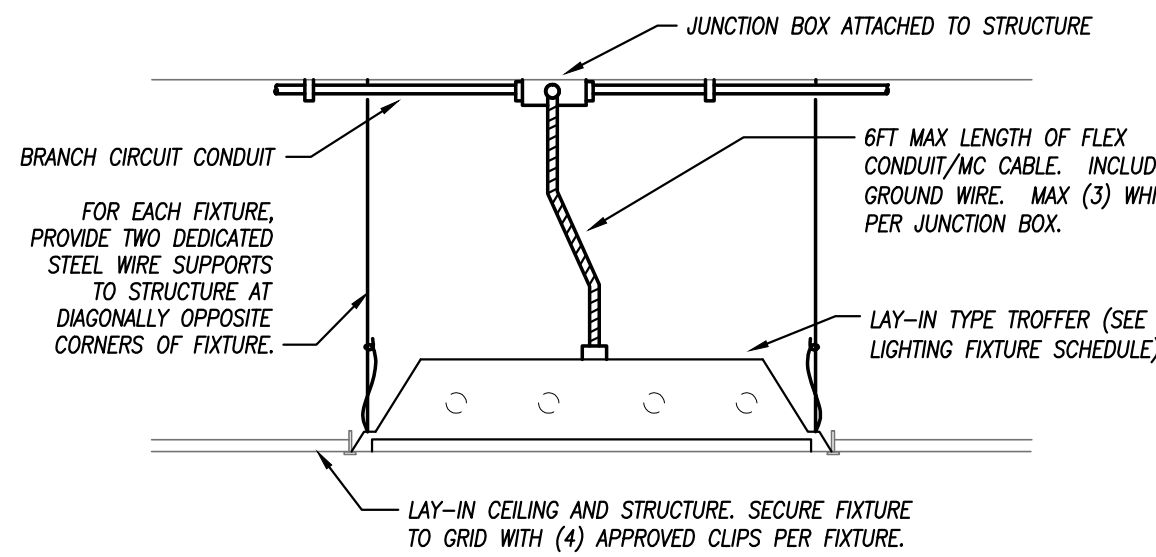




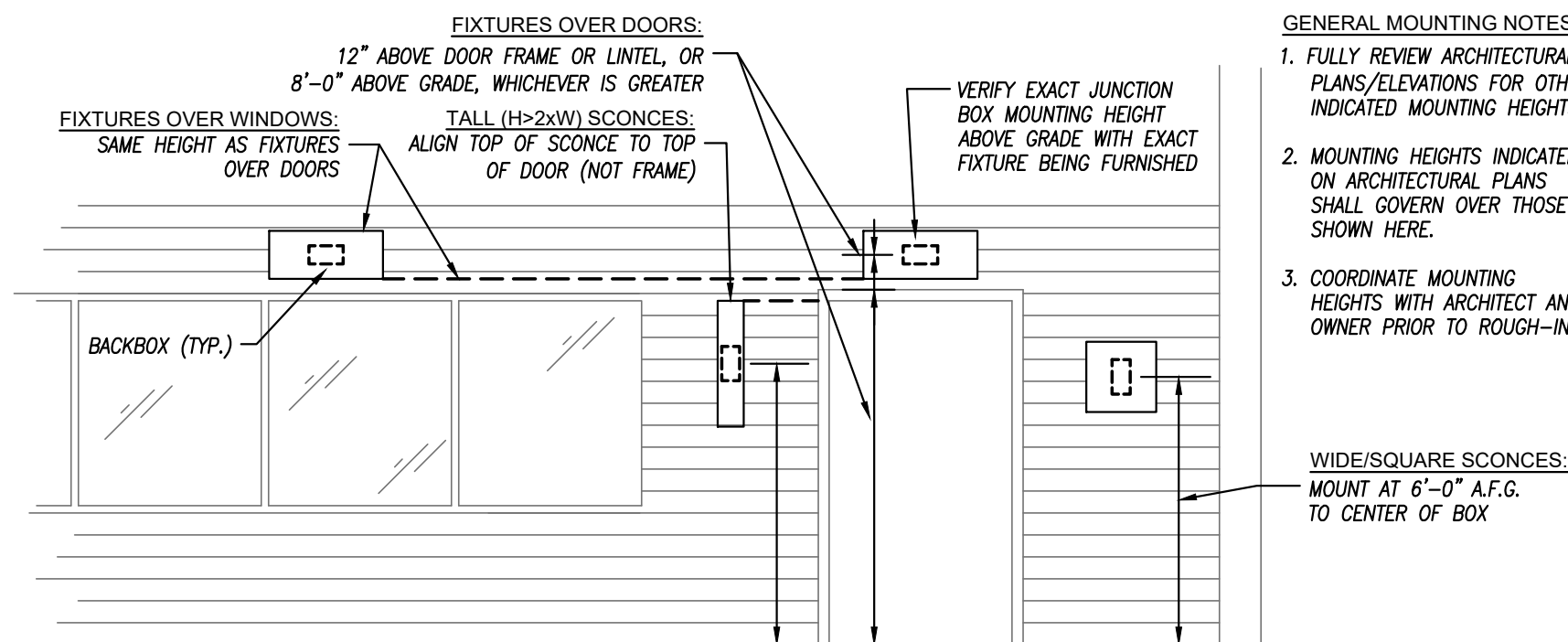
TYPICAL PANELBOARD INSTALLATION DETAIL
NOT TO SCALE



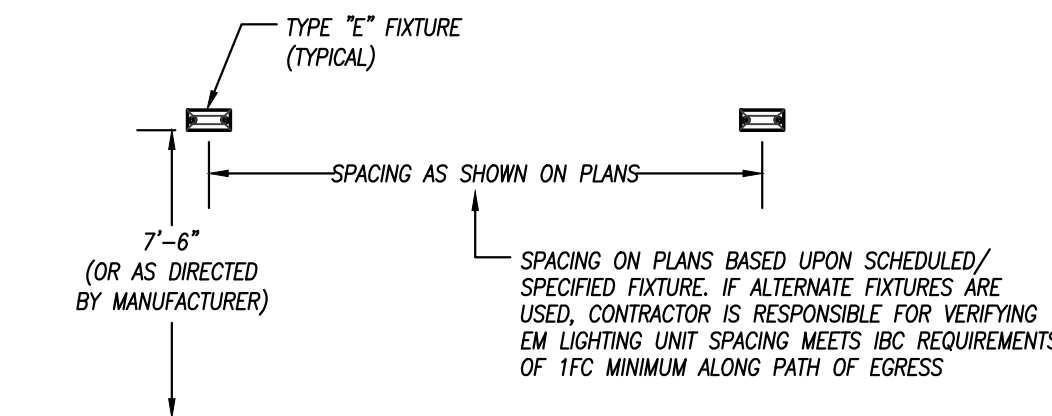
LABELING DETAIL
NOT TO SCALE



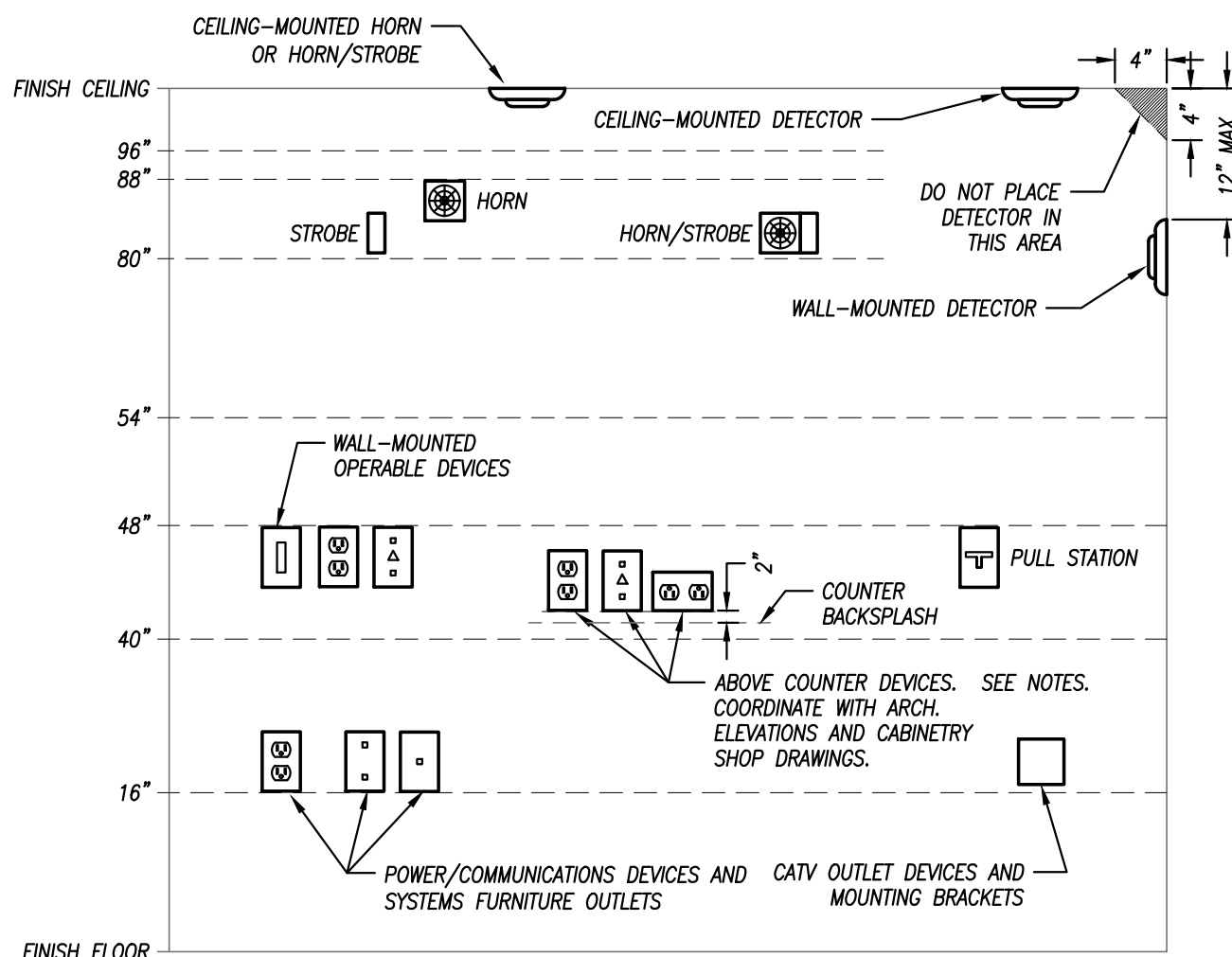
TYPICAL TROFFER SUPPORT AND WIRING
NOT TO SCALE



EXTERIOR BUILDING-MOUNTED LIGHT FIXTURE MOUNTING HEIGHTS DETAIL
NOT TO SCALE



EMERGENCY LIGHTING FIXTURES DETAIL
NOT TO SCALE



GENERAL NOTES:
1. MOUNTING HEIGHTS SHOWN IN THIS DETAIL ARE TYPICAL UNLESS OTHERWISE NOTED ON THE PLANS.
2. SEE ARCHITECTURAL ELEVATIONS FOR SPECIAL CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS.
3. ALL INSTALLATIONS SHALL COMPLY WITH ADA.

VISUAL FIRE ALARM NOTIFICATION DEVICES (STROBE)
LOCATE DEVICE SO THE BOTTOM OF THE DEVICE IS BETWEEN 80" AND 96" A.F.F. (NFPA) OR 6" BELOW CEILING, WHICHEVER IS LOWER (ADA 2010).

AUDIBLE FIRE ALARM NOTIFICATION DEVICES (HORN)
LOCATE DEVICE SO THAT THE TOP OF THE UNIT IS NOT MORE THAN 90" A.F.F. AND NOT LESS THAN 6" BELOW CEILING (NFPA)

FIRE ALARM ACTIVATION DEVICES (PULL STATION)
LOCATE FRONT-APPROACH DEVICES SO THAT THE HIGHEST OPERABLE PORTION OF THE DEVICE IS NOT MORE THAN 48" A.F.F. (ADA 2010) AND NOT LESS THAN 42" A.F.F. (NFPA).

POWER/COMMUNICATIONS DEVICES:
OUTLETS SHALL BE LOCATED AT 16" A.F.F. TO THE BOTTOM OF THE BOX. ABOVE COUNTER DEVICES SHALL BE LOCATED AT 2" ABOVE THE BACKSPLASH OF THE COUNTER TO THE BOTTOM OF THE DEVICES. VERIFY WITH ARCHITECTURAL DETAILS.

WALL-MOUNTED OPERABLE DEVICES:
OPERABLE DEVICES SHALL BE LOCATED AT 48" A.F.F. TO THE TOP OF THE OPERABLE PORTION OF THE DEVICE.

WALL-MOUNTED OPERABLE DEVICES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
LIGHT SWITCHES, DIMMERS, CONTROLS, ETC.
PUSH BUTTONS
NURSE/PATIENT CALL DEVICES (INCLUDING THOSE FOR STAFF USE)
OTHER CONTROL OR "CALL" DEVICES

MOUNTING HEIGHTS FOR WALL-MOUNTED DEVICES
NOT TO SCALE

LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LED MODULE / DRIVER							REMARKS
				ID	WATTS	LUMENS	CRI	CCT	DIMMING	VOLTAGE	
A	WILLIAMS	LP SERIES	2'x4' RECESSED FLAT PANEL LED TROFFER. 2-3/16" TALL. MATTE WHITE PAINT HOUSING WITH DIFFUSE ACRYLIC LENS. FURNISHED WITH A SURFACE MOUNT KIT TO BE SURFACE MOUNTED ON CEILING.	L50	48.1	4906	80	3500K	0-10V	120	1
B	WILLIAMS	4DR SERIES	4.5" ROUND RECESSED DOWNLIGHT. DIE-FORMED STEEL PAN WITH FINNED, EXTRUDED ALUMINUM PASSIVE HEAT SINK. OPEN, SELF-FLANGED, SEMI-SPECULAR LOW IRRIDESCENT FINISH ALUMINUM REFLECTOR WITH MEDIUM BEAM ANGLE/DISTRIBUTION AND OPTIONAL "TD" LENS OVER DOWNLIGHT.	L20	19.8	2002	80	3500K	0-10V	120	1
B2	WILLIAMS	4DR SERIES	SAME AS FIXTURE TYPE 'B' BUT INSTALLED WITH WET LOCATION TRIM OPTION	L20	19.8	2002	80	3500K	0-10V	120	1
C	WILLIAMS	LLM SERIES	4'-0" LONG x 2'-5/8" WIDE x 3'-7/16" HIGH ARCHITECTURAL SUNLAMP. SURFACE-MOUNTED FIXTURE. SQUARE FROSTED ACRYLIC LENS. COORDINATE POWDER COAT FINISH WITH ARCHITECT.	L20	41	4100	80	3500K	0-10V	120	1
D	MAXIM	SPEC	24" WIDE LED BATHROOM VANITY FIXTURE. COORDINATE FINISH WITH ARCHITECT.	-	16	1250	90	3000K	-	120	1
EM	DUAL-LITE	EY SERIES	LOW-PROFILE EMERGENCY LIGHTING UNIT. FLAME-RATED, UV-STABLE THERMOPLASTIC HOUSING. TWO (2) SEMI-RECESSED, ADJUSTABLE "EYEBALL" HEADS WITH GLASS LENS. WHITE FINISH. MAINTENANCE-FREE LITHIUM ION PHOSPHATE BATTERY FOR 90 MINUTE OPERATION OF LAMPS. INTEGRAL TEST SWITCH AND AC-ON INDICATOR.	TWO (2)	1.1 WATT 1W LED LED.	-	-	-	-	120	1
X	DUAL-LITE	ENC SERIES	COMBINATION EMERGENCY LIGHTING UNIT / EXIT LIGHT. UV-STABLE THERMOPLASTIC HOUSING. FINISH WHITE. ADJUSTABLE EYEBALL STYLE LIGHTING HEADS WITH GLASS LENS FOR EMERGENCY LIGHT. EXIT SIGN TO HAVE RED LETTERS WITH DIRECTIONAL ARROWS AS INDICATED ON THE PLANS. MAINTENANCE-FREE LITHIUM ION PHOSPHATE BATTERY FOR 90 MINUTE OPERATION OF LAMPS AND EXIT SIGN. FURNISH WITH CAPACITY FOR REMOTE HEAD. FULLY AUTOMATIC, SOLID-STATE CHARGER WITH TEST SWITCH AND AC-ON LIGHT.	-	-	-	-	-	-	120	1

REMARKS:
1. FURNISH WITH AND INSTALL ALL NECESSARY HARDWARE AND MOUNTING BRACKETS.

GENERAL NOTES (APPLICABLE TO ALL FIXTURES):
1) EQUALS ARE ACCEPTABLE ON ALL LIGHT FIXTURES UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO SPECIFICATIONS FOR APPROVED EQUAL FIXTURE MANUFACTURERS.
2) ALL DRIVERS ARE INTEGRAL TO FIXTURE UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS FOR ADDITIONAL FIXTURE/DRIVER/BALLAST REQUIREMENTS.
3) ALL FIXTURES WITH PAINTED METAL PARTS SHALL BE PAINTED AFTER FABRICATION.
4) LUMENS LISTED FOR LED FIXTURES ARE GENERALLY DELIVERED LUMENS UNLESS NOTED OTHERWISE.
5) ALL EXTERIOR LED FIXTURES ARE FULL CUTOFF UNLESS NOTED OTHERWISE.
6) ALL FIXTURES SHALL BE IC RATED OR PROVIDED WITH INSULATION SHIELDS WHEN INSTALLED IN INSULATED AREAS OF THE TRUSS SPACE.

SINGLE-SECTION PANELBOARD SCHEDULE

PANEL DESIGNATION: L1						CIRCUIT #	MAIN LUG AMPS: 225 MAIN BREAKER: 200				SCCR RATING (AIC): 22,000			
MOUNTING: SURFACE							VOLTAGE: 208/120							
LOCATION: STORAGE GARAGE							PHASE/WIRE: 3Ø, 4W							
DESCRIPTION	PHASE			C/B		TRIP	POLE	C/B			PHASE			DESCRIPTION
	A	B	C	POLE	TRIP			A	B	C				
LTC - INTERIOR NORTH	475			20	1	1	2	1	20	900				REC - MEETING SPACE
LTC - INTERIOR SOUTH		450		20	1	3	4	1	20		720			REC - KITCHEN/RESTROOM
LTC - EXTERIOR			320	20	1	5	6	1	20			900		REC - OFFICE
EWI-1	2500			30	1	7	8	1	20	540				REC - STORAGE GARAGE
EH-1		2500				9	10	1	20		1800			REC - ICE MACHINE
			2500	30	2	11	12	1	20			540		REC - EXTERIOR
CU-1	3796			40	2	13	14	1	20	1200				GARAGE DOOR #1
		3796				15	16	1	20		1200			GARAGE DOOR #2
AH-1			9776			17	18	1	20			1200		GARAGE DOOR #3
		9776		100	2	19	20	1	20	1200				REC - WATER FOUNTAIN
REC - TREADMILL		1664		20	2	21	22	1	20		1920			FINISH LINE POWER
			1664			23	24	1	20					SPARE
REC - TREADMILL	1664			20	2	25	26	1	20	-				SPARE
		1664				27	28	1	20	-				SPARE
SPARE				20	1	29	30	1	20	-		-		SPARE
SPARE	-			20	1	31	32	1	20	-				SPARE
SPACE		-		-	1	33	34	1	-		-			SPACE
SPACE			-	-	1	35	36	1	-			-		SPACE
SPACE	-			-	1	37	38	1	-		-			SPACE
SPACE		-		-	1	39	40	1	-		-			SPACE
SPACE			-	-	1	41	42	1	-					SPACE
TOTALS		18211	10074	14260						3840	5640	2640	TOTALS	

PANELBOARD SIZING LOAD			
LOAD DESCRIPTION	CONNECTED	DEMAND	CODE MIN. (VA)
LIGHTS	1,245	1.25	1,556
RECEPTACLES	16,856	10KVA + 50% REST	13,428
MOTORS	0	1.25 x LARGEST + SUM OF REST	0
AIR CONDITIONING	7,592	0.00	0
SPACE HEATING	24,552	1.00	24,552
HEAT PUMP	0	1.00	0
CONTINUOUS	2,500	1.25	3,125
NON-CONTINUOUS	1,920	1.00	1,920
SIZING LOAD:		44,581	
SIZING LOAD (AMPS):		124	

CONNECTED PHASE LOADS		
PHASE	VA	AMPS
A	22,051	183.6
B	15,714	130.9
C	16,900	140.7
TOTALS	54,665	451.7

REMARKS:
1. EATON POW-R-LINE 1X OR EQUAL.
2. 'G' INDICATES GFCI BREAKER.

