



July 1, 2021

Scheeser Buckley Mayfield
1540 Corporate Woods Parkway
Uniontown, OH 44685

Attn: New River Community and Technical College
Lighting Replacement

Dear Bidders:

The following items are part of the addendum for the above listed project. Receipt of this Addendum shall be sent to zstevens@sbmce.com.

Forms:

1. 12-003000 - Form of Proposal shall be removed from current bid documents. Attached Form of Proposal shall replace previous form. Inclusion of Alternate #1 and #2 completion dates have been added.

Clarifications:

1. Wood structure around generator to be removed under alternate #2.
2. Question: Do you have a lighting schedule for the S1, S2, and R1 light fixtures?
 - a. Response: Refer to attached sheet E0.1 Lighting Fixture Schedule.
3. Question: Is it the intent to leave one set of the old generator feeds in place for the new generator?
 - a. Response: Yes.
4. Question: What is the mounting height of the new P1 fixtures?
 - a. Response: Refer to sheet E0.1 High Bay Lighting Fixture Mounting Details. The ceiling height ranges from 35' to 40'.
5. Question: On print E1.1 note 6 and print E2.1 note 7 it just says remove and replace exit sign (singular). Is it just the one sign or should it be all the exit signs (plural)?
 - a. Response: This is a typical note. All exit signs shown on the documents (plural) shall be disconnected, removed and replaced.
6. Question: What is the brand and model of panel MDPL?
 - a. Response: GE, Spectra Series.
7. Question: When refeeding the panels out of LP1-EM are we pulling new feeds or splicing into existing?
 - a. Response: It is the design intent to splice existing feeders in electrical room.



Very truly yours,

Scheeser Buckley Mayfield LLC

A handwritten signature in black ink that reads "Marlon Hathaway". The signature is written in a cursive, flowing style.

Marlon Hathaway, PE, LEED AP, RCDD
Vice President Electrical

Attachments: 12-003000 - Form of Proposal – Addendum, E0.1

M:\2021\21017\Design\Addendum

FORM OF PROPOSAL

BID TO THE OWNER: West Virginia Community and Technical College System
1018 Kanawha Boulevard, East, Suite 700
Charleston, WV 25301

PROJECT: Request for Bids (RFB) 21199
New River Community and Technical College
Lighting Replacement
Ghent, West Virginia

Bidder's Name: _____

The undersigned, hereinafter called "Bidder," being familiar with and understanding the Bidding Documents, and also having examined the site and being familiar with all local conditions affecting the Project, hereby proposes to furnish all labor, material, equipment, supplies and transportation, and to perform all Work in accordance with the Bidding and Contract Documents within the time set forth below for the sum of:

BASE BID DISCRIPTION: Project includes the replacement of high bay lighting fixtures and installation of lighting control panel as noted on documents. Work includes all fixture mounting accessories and connections as noted on drawings.

BASE BID: \$ _____

(Amount to be shown in both words and numbers. In the event of a difference between the written amount and the number amount, the written amount shall prevail.)

ALTERNATE #1 BID DISCRIPTION: 1. Alternate includes replacement in the welding shop lighting. Work includes all fixture mounting accessories and support structures.

ALTERNATE #1 BID: \$ _____

(Amount to be shown in both words and numbers. In the event of a difference between the written amount and the number amount, the written amount shall prevail.)

ALTERNATE #2 BID DISCRIPTION: 1. Alternate includes replacement of generator. Work includes all expansion of concrete pad.

ALTERNATE #2 BID: \$ _____

(Amount to be shown in both words and numbers. In the event of a difference between the written amount and the number amount, the written amount shall prevail.)

The Bidder, if successful and awarded a Contract, agrees that all Work is to be Substantially Complete within the below listed consecutive calendar days following receipt of Owner's written Notice to Proceed and agrees to achieve Final Completion within 30 consecutive calendar days thereafter for Base Bid.

CALENDAR DAYS (BASE BID): _____

(All amounts to be shown in both words and numbers)

CALENDAR DAYS (ALT #1): _____

(All amounts to be shown in both words and numbers)

CALENDAR DAYS (ALT #2): _____

(All amounts to be shown in both words and numbers)

SPECTFULLY SUBMITTED:

SIGNATURE: _____ DATE: _____
Signature in Ink

NAME: _____ *Corporate Seal if Applicable*
Please Type or Print

TITLE: _____

BIDDERS NAME: _____

BIDDERS ADDRESS: _____

TELEPHONE: _____

EMAIL: _____

CONTRACTOR'S LICENSE NO.: _____

CONTRACTOR'S LICENSE

West Virginia Code §21-11-2 requires that all persons desiring to perform contractual work in West Virginia must be duly licensed. The West Virginia Contractor's Licensing Board is empowered to issue the contractor's license. Application for a contractor's license may be made by contacting the West Virginia Department of Labor, 1900 Kanawha Boulevard, East, Charleston, West Virginia 25305. Telephone: (304)

558-7890. West Virginia Code §21-11 requires any prospective Bidder to include the contractor's license number on their Bid. Successful Bidder will be required to furnish a copy of their contractor's license prior to issuance of a Purchase Order/Contract.

AFFIDAVITS (on the following pages) – TO BE SUBMITTED WITH BID

- **PURCHASING AFFIDAVIT:** West Virginia code §5A-3-10A states that no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than \$1000 in the aggregate. Please include purchasing affidavit to the bid.
- **DRUG-FREE WORKPLACE CONFORMANCE AFFIDAVIT:** This affidavit must be submitted with the Bid to comply with West Virginia Code §21-1D-5. Failure to include this affidavit to the bid shall result in disqualification of the Bid.

CERTIFIED DRUG-FREE WORKPLACE REPORT

In accordance with West Virginia Code §21-1D-7b, no less than once per year, or upon completion of the project, every contractor shall provide a certified report to the public authority which let the contract. That report must include each of the items identified in the Required Report Content section of the Certified Drug-Free Workplace Report Coversheet.

DISCLOSURE OF INTERESTED PARTIES TO CONTRACTS

Pursuant to West Virginia Code §6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

The Disclosure Form is available at the following URL: <http://www.ethics.wv.gov/Pages/forms.aspx>

VENDOR REGISTRATION AND DISCLOSURE STATEMENT

The successful Bidder must be a registered vendor with the West Virginia Department of Administration, Purchasing Division, prior to receiving a contract/purchase order. Vendor registration information is available at the following URL: <http://www.state.wv.us/admin/purchase/vrc/wv1.pdf>

LIQUIDATED DAMAGES

The Owner will suffer financial loss if the Work is not Substantially Complete within the Contract Time following the date established for commencement of the Work in the notice to proceed and/or purchase order. As liquidated damages, and not as a penalty, the Contractor and the Contractor's surety shall be liable for and shall pay the Owner the sum of \$500.00 per day until Substantial Completion is achieved.

Allowances may be made for delays due to shortages of materials and/or energy resources, subject to proof by documentation, and for delays due to strikes or other delays beyond the control of the Contractor. All delays and any claim for extension of Contract Time must be properly documented in accordance with the General Conditions of the Contract for Construction, AIA Document A201-2017, and the State of West Virginia Supplementary Conditions to AIA Document A201-2017.

ADDENDA ACKNOWLEDGMENT

The undersigned hereby acknowledges receipt of the following Addenda and has taken the information contained therein into full consideration in the formulation of this Bid.

Addenda No. 1 _____
 No. 2 _____

Failure to acknowledge receipt of each Addendum may be cause for rejection of the Bid.

SIGNATURE: _____ DATE: _____
 Signature in Ink

**LIST OF PROPOSED SUBCONTRACTORS
 (To Be Completed and Submitted with Bid)**

List as designated below the proposed subcontractor for each major branch of work for this bid. Also, provide the subcontractor's license number as required by the West Virginia Contractors Licensing Act. If the branch of work is to be completed solely by the Bidder/Contractor, so indicate. If the acceptance of an alternate bid changes a subcontractor, indicate by notation below. The Bidder/Contractor may be requested to change an unsatisfactory subcontractor. The Bidder/Contractor is responsible for selecting or changing subcontractors. The Owner and Architect/Engineer may indicate their concerns about any entity listed which they have reason to believe past experience indicates that poor performance may be expected. The Bidder/Contractor has full responsibility for satisfactory execution of all work in accordance with the Contract Documents. Any change of proposed subcontractors shall be at no additional cost to the Owner, as the Bidder/Contractor has full responsibility for execution of the work. Bidder/Contractor shall have up to two hours after the bid opening to make adjustments if necessary. Owner will suffer loss should Contractor change from those listed beyond the two-hour time stipulated. Please email adjustments/modifications to Chief Procurement Officer at rich.donovan@wvhepc.edu.

Branch of Work/Material Category	Subcontractor/Supplier	Contractor License No.
High Bay Light Fixture Manufacturer	_____	_____
Electrical Contractor/Sub-contractor	_____	_____
Generator Manufacturer	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

END OF FORM OF PROPOSAL

FEEDER NO.	WIRE SIZE AMP(S) NOMINAL FEEDER SIZE (AMPS)	CONDUIT SIZE (AWG)		CONDUIT SIZE		
		PHASE/ NEUTRAL	GROUND	A	B	C
				W/G	W/G	W/G
		CU	CU	CU	CU	CU
15	15	12	12	3/4"	3/4"	3/4"
20	20	12	12	3/4"	3/4"	3/4"
25	25	10	10	3/4"	3/4"	3/4"
30	30	10	10	3/4"	3/4"	3/4"

SYMBOL	CATALOG NO.	DESCRIPTION	MOUNTING	LAMP(S)
P1	JEBL-18000LM-PFL-HVOLT-40K-BOCRI-PM-C12PW-DWHXD	LITHONIA: ROUND HI-BAY LIGHT FIXTURE, ALUMINUM HOUSING, 18000 LUMENS, 4000K COLOR TEMPERATURE, AND (1) 480V (0-10V) LED DIMMING DRIVER. PROVIDE FACTORY INSTALLED 12' CORD WITH NEMA TWIST LOCK PLUG.	CEILING SUSPENDED	INTEGRAL LED
	LHQM-LED-R-HO	LITHONIA: EXIT SIGN, PLASTIC HOUSING, RED LETTERING, MULTI-VOLT LED DRIVER.	WALL MOUNTED	INTEGRAL LED
	ELM6L-LTP	LITHONIA: 5.93"x13.37"x3.7" LED EMERGENCY WALL PACK, 1100 LUMENS, LITHIUM IRON PHOSPHATE BATTERY, MULTI-VOLT	WALL MOUNTED	INTEGRAL LED
	ELMRV-SP640L-IRBLYD-60	LITHONIA: 4.13" DIA x 3.7" TALL WET LOCATION EMERGENCY REMOTE FIXTURE, ALUMINUM HOUSING, BLACK FINISH, 100 LUMENS, UNIVERSAL DC VOLTAGE	WALL/CEILING SURFACE	INTEGRAL LED
R1	EPANL-2X4-4800LM-BOCRI-40K-MINI0-2T-MVOLT	LITHONIA: 23.7"x47.7"x2.7" LED FLAT PANEL, ALUMINUM HOUSING, 4800 LUMENS, 4000K COLOR TEMPERATURE, AND (1) MULTI-VOLT (0-10V) LED DIMMING DRIVER.	CEILING RECESSED	INTEGRAL LED
S1	FEM-L48-4000LM-MAFL-MD-MVOLT-GZ10-40K-BOCRI	LITHONIA: 6.8"x8"x4.4" ENCLOSED AND GASKETED INDUSTRIAL LED STRIP LIGHT, STEEL HOUSING, 4000 LUMENS, 4000K COLOR TEMPERATURE, AND (1) MULTI-VOLT (0-10V) LED DIMMING DRIVER.	UNISTRUT MOUNTED	INTEGRAL LED
S2	FEM-L48-20000LM-MAFL-MD-MVOLT-GZ10-40K-BOCRI	LITHONIA: 6.8"x8"x4.4" ENCLOSED AND GASKETED INDUSTRIAL LED STRIP LIGHT, STEEL HOUSING, 20000 LUMENS, 4000K COLOR TEMPERATURE, AND (1) MULTI-VOLT (0-10V) LED DIMMING DRIVER.	CEILING SURFACE	INTEGRAL LED

SYMBOL	MANUFACTURER
P1	METALUX, HUBBELL, LSI
	DUAL-LITES, EMERGI-LITE, SURE-LITES, CHLORIDE
	DUAL-LITES, EMERGI-LITE, SURE-LITES, CHLORIDE
	DUAL-LITES, EMERGI-LITE, SURE-LITES, CHLORIDE
R1	HE WILLIAMS, COLUMBIA, METALUX
S1	HE WILLIAMS, COLUMBIA, METALUX
S2	HE WILLIAMS, COLUMBIA, METALUX

1. "NL" SUBSCRIPT INDICATES THAT FIXTURE IS CONNECTED TO AN UNSWITCHED CIRCUIT FOR "NIGHT LIGHT" ILLUMINATION.
2. "EM" SUBSCRIPT INDICATES THAT FIXTURE IS CONNECTED TO AN EMERGENCY POWER (LIFE SAFETY) CIRCUIT FOR EGRESS ILLUMINATION. FIXTURE ALSO CONTAINS AN INTEGRAL BATTERY PACK FOR EMERGENCY ILLUMINATION BETWEEN LOSS OF NORMAL POWER AND CONNECTION TO ESSENTIAL POWER.

SYMBOL	DESCRIPTION
○	LED LIGHTING FIXTURES. REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
□	CEILING OR WALL MOUNTED EXIT SIGN. SHADED AREA INDICATES LOCATION OF FACE(S). ARROWS INDICATE CHEVRONS. REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
□	CEILING OR WALL MOUNTED EXIT SIGN WITH (2) EMERGENCY LED HEADS. SHADED AREA INDICATES LOCATION OF FACE(S). ARROWS INDICATE CHEVRONS. REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
□	EMERGENCY LIGHTING FIXTURE. REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
□	EMERGENCY LIGHTING REMOTE HEAD UL LISTED FOR USE FOR WET LOCATIONS. REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
□	STANDARD STEEL JUNCTION BOX WITH COVER. LOCATE AND CONNECT AS DIRECTED.
PAN	208/120V, 36, 4W PANELBOARD.
PAN	480/277V, 36, 4W PANELBOARD.
DIST. PAN	DISTRIBUTION PANEL.
LCP	DIGITAL RELAY PANEL. REFER TO DETAILS FOR EXACT REQUIREMENTS.
---	EXPOSED BRANCH CIRCUIT HOMERUN. FOR NORMAL BRANCH CIRCUIT WIRING, CONTRACTOR MAY COMBINE UP TO THREE HOMERUNS IN ONE RACEWAY ON A WYE SYSTEM AND TWO HOMERUNS IN ONE RACEWAY ON A DELTA SYSTEM. QUANTITY OF MARKS INDICATE NUMBER OF CONDUCTORS. #12 AWG MINIMUM SIZE CONDUCTORS UNLESS NOTED OTHERWISE. ALL RACEWAYS TO CONTAIN SEPARATE EQUIPMENT GROUNDING CONDUCTOR. ALL BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRAL CONDUCTOR. NEUTRAL CONDUCTOR SHALL NOT BE SHARED BETWEEN CIRCUITS. REFER TO SPECIFICATIONS FOR RACEWAY TYPE.
---	RACEWAY AND CONDUCTORS RUN EXPOSED ON CEILING OR WALLS. QUANTITY OF MARKS INDICATE NUMBER OF CONDUCTORS. #12 AWG MINIMUM SIZE CONDUCTOR UNLESS OTHERWISE NOTED. ALL RACEWAYS TO CONTAIN SEPARATE EQUIPMENT GROUNDING CONDUCTOR. ALL BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRAL CONDUCTOR. NEUTRAL CONDUCTOR SHALL NOT BE SHARED BETWEEN CIRCUITS. REFER TO SPECIFICATIONS FOR RACEWAY TYPE.

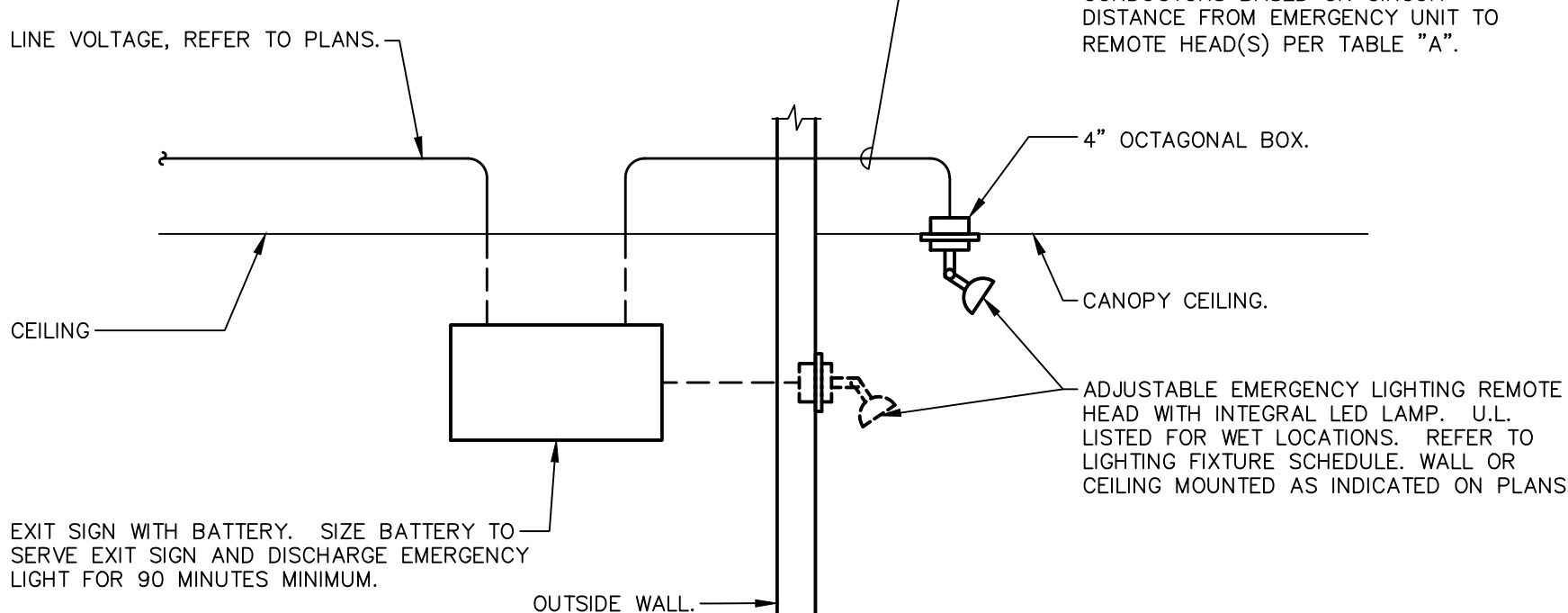
ELECTRICAL GENERAL NOTES

- THE GENERAL NOTES LISTED HERE APPLY TO ALL ELECTRICAL DRAWINGS IN ADDITION TO ANY ADDITIONAL DRAWING NOTES ON THE INDIVIDUAL DRAWINGS.
- DARK, DASHED ITEMS INDICATE ELECTRICAL EQUIPMENT, DEVICES, AND/OR LIGHTING TO BE REMOVED UNDER THE DEMOLITION PHASE OF PROJECT.
- SEE SPECIFICATIONS FOR SALVAGE RIGHTS TO ANY EQUIPMENT OR MATERIALS BEING REMOVED.
- REMOVE ALL HANGERS AND SUPPORTS SERVING CONDUIT AND WIRE TO BE DEMOLISHED. PROVIDE AND/OR ADJUST EXISTING HANGERS TO SUPPORT ANY REMAINING CONDUIT AND WIRE, OR EQUIPMENT ADJACENT, TO REMAIN.
- SEE CODED NOTES ON INDIVIDUAL DRAWING SHEETS FOR SPECIFIC INSTRUCTIONAL NOTES.
- FIELD VERIFY EXISTING CONDITIONS.
- THE ELECTRICAL DESIGN DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EXACT LOCATION OF EQUIPMENT, LIGHTING, AND DEVICES UNLESS DIMENSIONS ARE GIVEN FOR CLEARANCES, ETC. LIGHTING DEVICES AND ELECTRICAL EQUIPMENT ARE TO BE INSTALLED ALONG THE GENERAL PLANS SHOWN ON THE DRAWINGS, BUT KEEPING IN MIND ACTUAL BUILDING CONDITIONS WHICH MUST BE CONFIRMED WITH-IN THE ACTUAL WORK AREA. CONTRACTORS, IN THEIR BIDS, ARE REQUIRED TO INCLUDE ALL LABOR AND MATERIALS AND OTHER RELATED WORK NECESSARY TO PROVIDE MINOR OFFSETS IN ELECTRICAL INSTALLATION TO AVOID CONFLICT WITH OTHER WORK ON THIS PROJECT, OR AS REQUIRED IN ORDER TO OBTAIN MAXIMUM HEAD ROOM OR EQUIPMENT ACCESS IN SPACES.
- AN ATTEMPT HAS BEEN MADE TO SHOW ALL ELECTRICAL ITEMS TO REMAIN OR BE REMOVED. EC SHALL FIELD VERIFY EXISTING CONDITIONS AND REMOVE AND/OR RELOCATE ANY ITEM WHICH INTERFERES WITH NEW CONSTRUCTION.
- PROVIDE FIRESEALING OF ALL OPENINGS THROUGH FIRE RATED WALLS AND ASSEMBLIES. SEE DETAIL SHEETS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

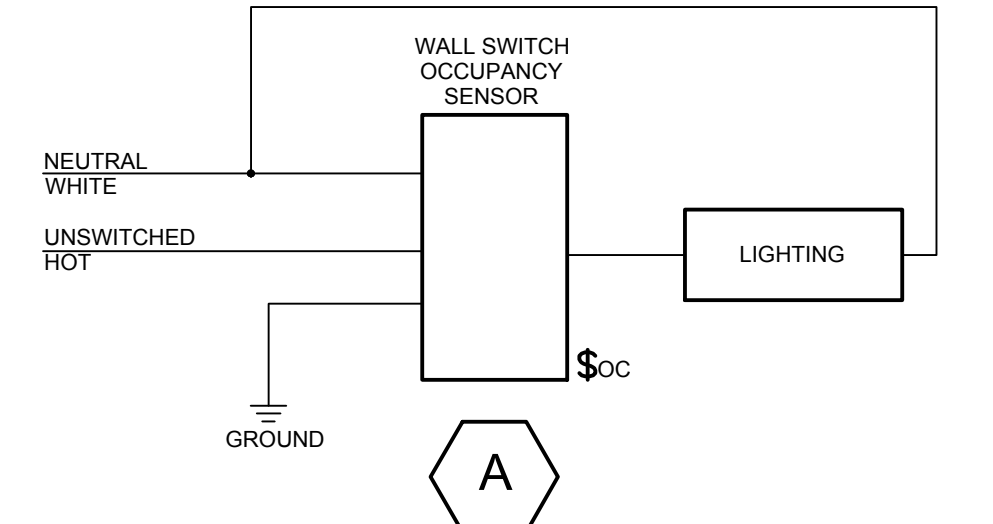
SYMBOL	DESCRIPTION
#	NUMBER INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES
AF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
CLG	CEILING
DP	DISTRIBUTION PANEL
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	GALVANIZED ELECTRIC METALLIC TUBING (THINWALL), UL LISTED
EWC	ELECTRIC WATER COOLER. PROVIDE WITH GF-TYPE RECEPTACLE. LOCATE PER MANUFACTURER'S SHOP DRAWINGS.
FBO	FURNISHED BY OTHER TRADES, BUT INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR (HVAC)
MCC	MOTOR CONTROL CENTER
NL	NIGHT LIGHT
PAN	PANELBOARD
PVC	CARLON PLASTIC CONDUIT, HEAVY WALL TYPE, POLYVINYL CHLORIDE, UL LISTED, SCHEDULE 40 UNLESS NOTED OTHERWISE.
"R"	SUBSCRIPT "R" INDICATES RED DEVICE CONNECTED TO EMERGENCY POWER.
REF	REFRIGERATOR
"X"	SUBSCRIPT "X" BY SYMBOL INDICATES EXISTING ITEM TO REMAIN.

WIRE SIZE	1	2	3
#12	59	29	19
#10	94	47	31
#8	150	84	50

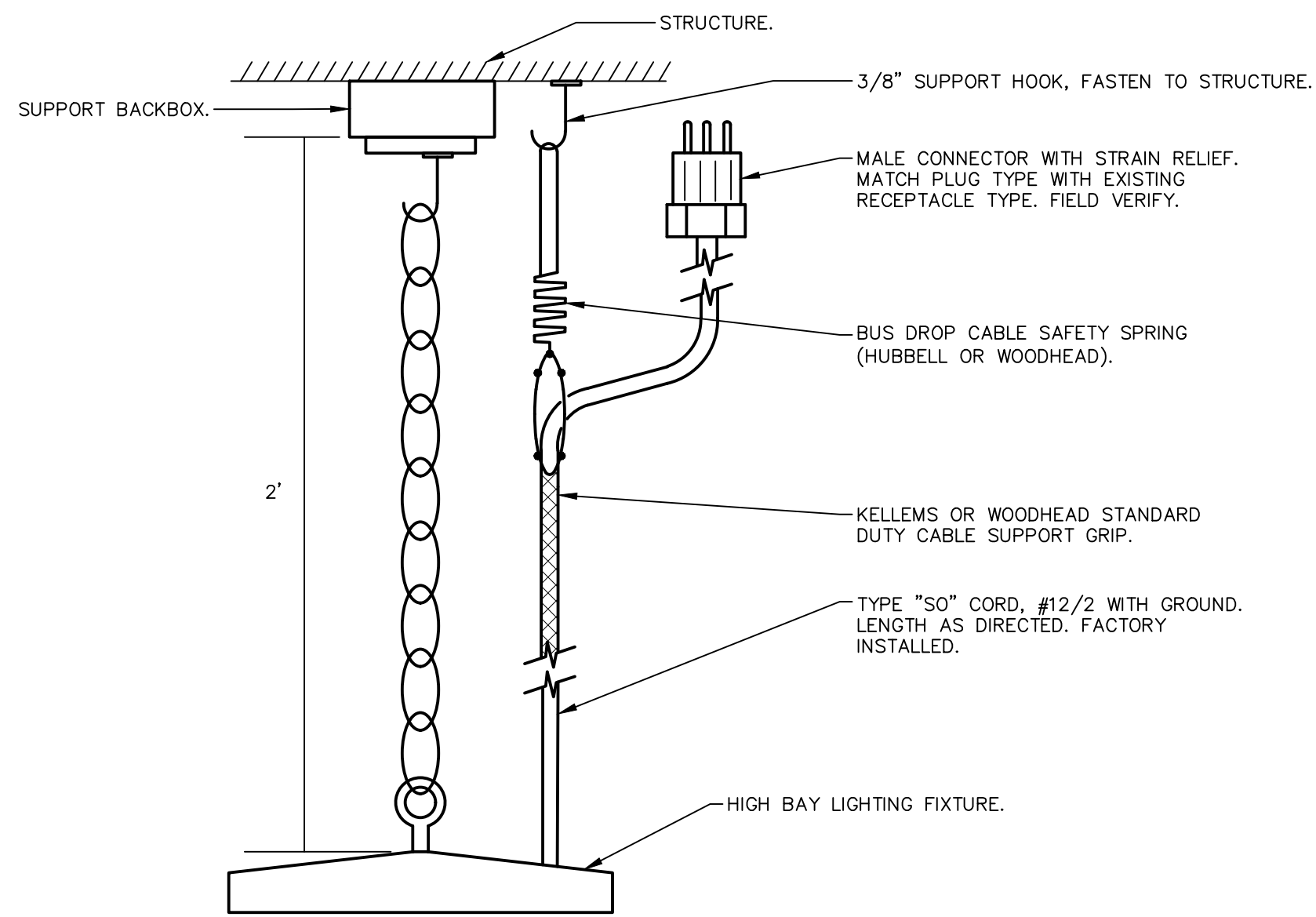
TABLE "A"



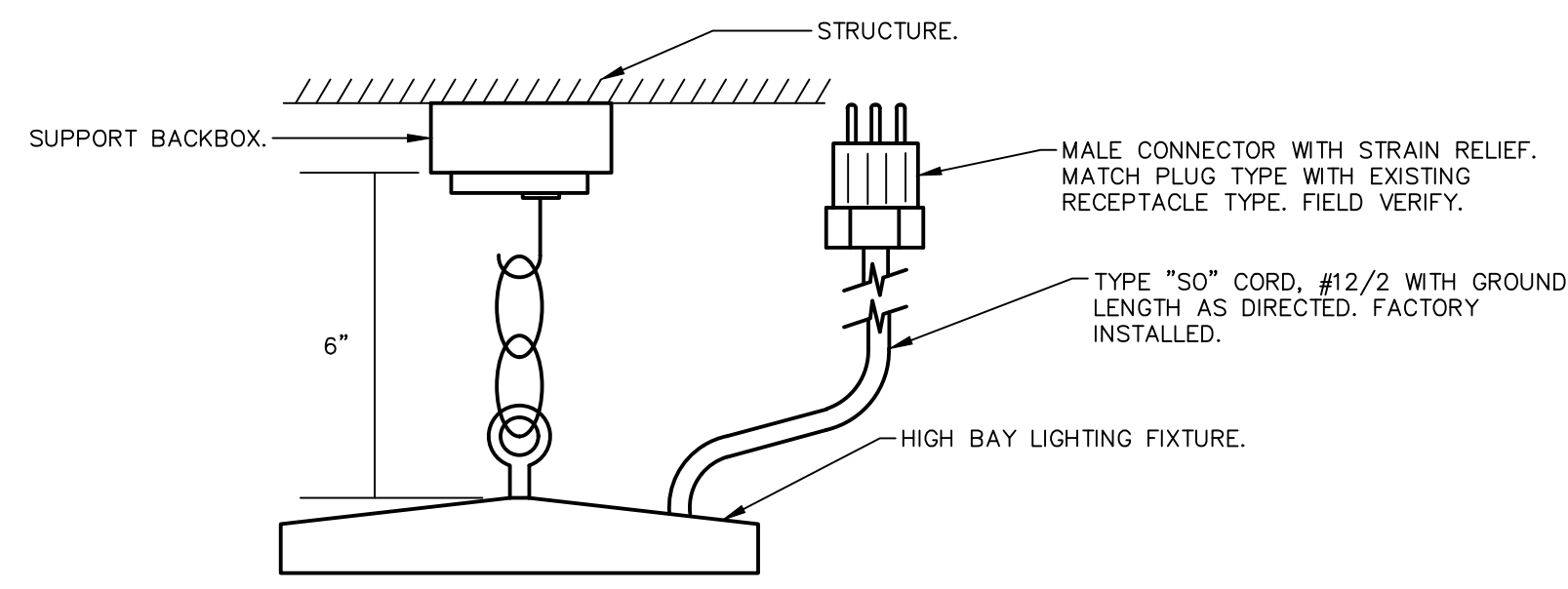
EXIT SIGN AND EXIT DISCHARGE EMERGENCY LIGHTING COMBO DETAIL
N.T.S.



TYPICAL SWITCH OCCUPANCY SENSOR
N.T.S.



(OPTION #1)
HIGH BAY LIGHTING FIXTURE MOUNTING DETAIL
N.T.S.



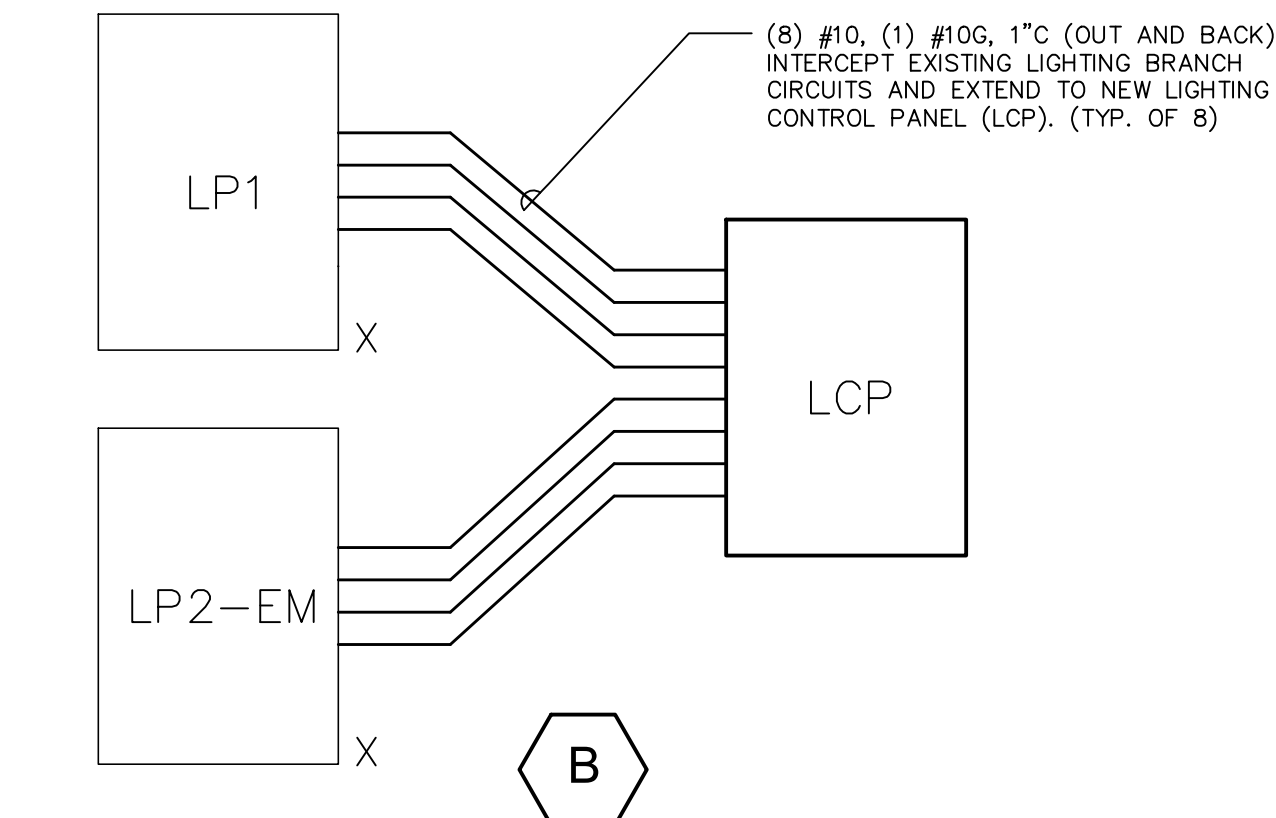
(OPTION #2)
HIGH BAY LIGHTING FIXTURE MOUNTING DETAIL
N.T.S.

LIGHTING CONTROL PANEL GENERAL NOTES

- ALL RELAYS SHALL BE CONTROLLED BY TIME SCHEDULE. COORDINATE SCHEDULE WITH OWNER.

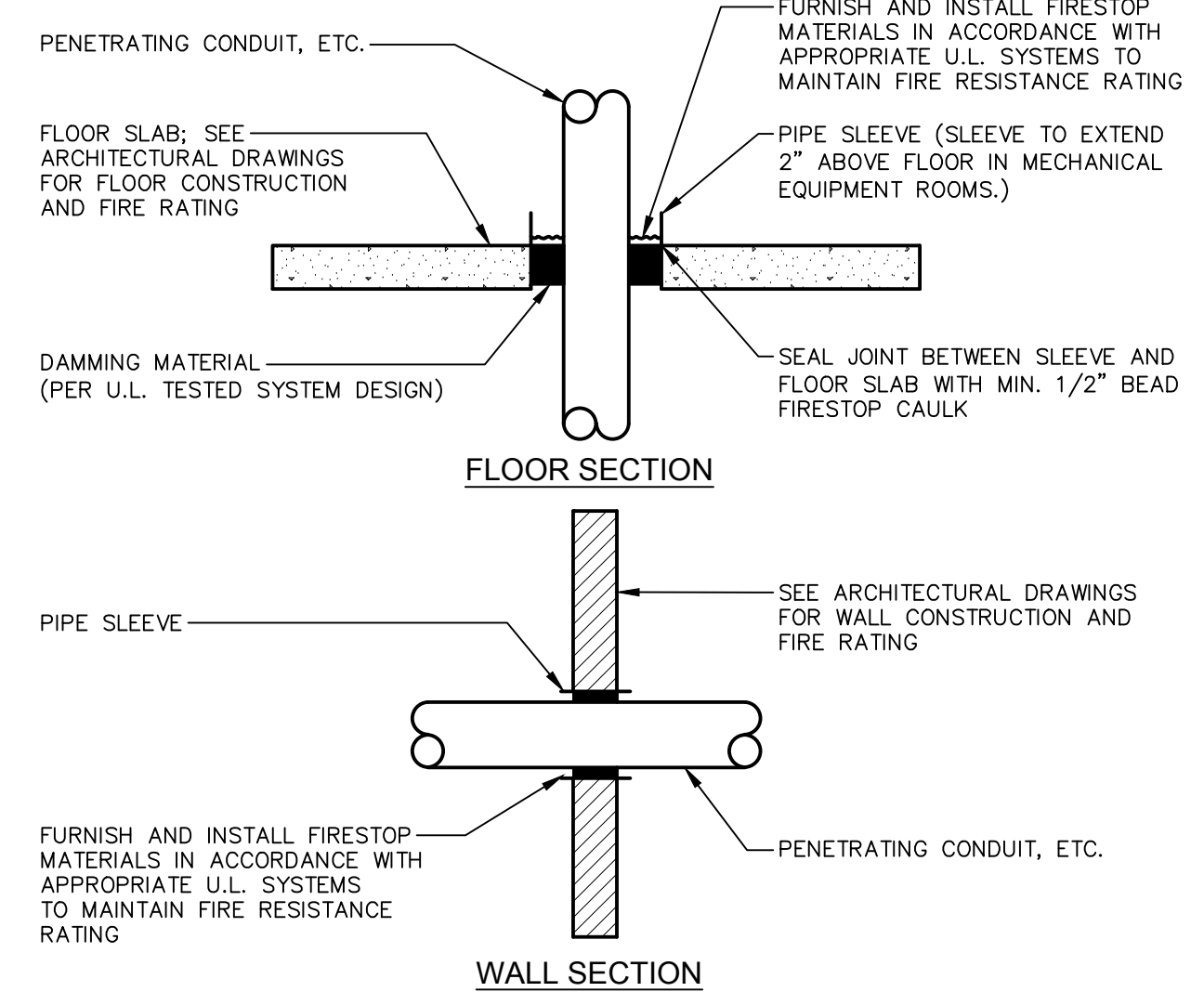
RELAY #	LOAD	ADDITIONAL CONTROL
1	LP1 CIRCUIT #1.3	2-POLE
2	LP1 CIRCUIT #5.7	2-POLE
3	LP1 CIRCUIT #9.11	2-POLE
4	LP1 CIRCUIT #13.15	2-POLE
5	LP1 CIRCUIT #2.4	2-POLE
6	LP1 CIRCUIT #6.8	2-POLE
7	LP1 CIRCUIT #10.12	2-POLE
8	LP1 CIRCUIT #14.16	2-POLE
9	SPARE	---
10	SPARE	---
11	SPARE	---
12	SPARE	---
13	LP2-EM CIRCUIT #1.3	2-POLE
14	LP2-EM CIRCUIT #5.7	2-POLE
15	LP2-EM CIRCUIT #9.11	2-POLE
16	LP2-EM CIRCUIT #13.15	2-POLE
17	LP2-EM CIRCUIT #2.4	2-POLE
18	LP2-EM CIRCUIT #6.8	2-POLE
19	LP2-EM CIRCUIT #10.12	2-POLE
20	LP2-EM CIRCUIT #14.16	2-POLE
21	SPARE	---
22	SPARE	---
23	SPARE	---
24	SPARE	---

NOTES:
1. PROVIDE HUBBELL CX RELAY PANEL WITH (24) RELAYS IN SURFACE-MOUNTED ENCLOSURE WITH HINGED DOOR. WXC248524SP.
2. PROVIDE INTERNAL VOLTAGE BARRIERS TO ISOLATE LIFE SAFETY BRANCH CIRCUITS FROM OTHER CIRCUITS.



LIGHTING CONTROL PANEL WIRING DIAGRAM
N.T.S.

SERVICE	CONCRETE/MASONRY WALL PENETRATION	CONCRETE FLOOR PENETRATION
GRC CONDUIT (NOMINAL ≤ 6" DIA.)	WL1049	WS1055 CAJ1079
EMT CONDUIT (NOMINAL ≤ 4" DIA.)	WL1049	WS1055 CAJ1079
PVC CONDUIT/ INNER DUCT (≤ 2" DIA.)	WL2093	WJ2018 CAJ2131
CABLES (MAX. 3" DIA. CABLE BUNDLE)	WL3076	WJ3022 CAJ3133
CABLE TRAYS	WL4005	WJ4009 CAJ4029
BUS DUCT	WL6001	CAJ6008 CAJ6008



NOTES:

- WHERE CONDUIT, CABLES AND OTHER COMPONENTS PASS THROUGH FIRE OR SMOKE RATED WALLS OR FLOORS, PROVIDE NON-ASBESTOS SEAL ASSEMBLIES CLASSIFIED BY U.L. TO PROVIDE FIRE BARRIERS EQUAL TO OR GREATER THAN THE TIME RATING OF THE CONSTRUCTION BEING PENETRATED, WITH APPROPRIATE MATERIALS AND SYSTEMS THAT COMPLY WITH APPLICABLE CODES AND THAT HAVE BEEN TESTED IN ACCORDANCE WITH U.L. 1478 OR ASTM E814.
- GROUT, MORTAR OR GYPSUM BASED PRODUCTS SHALL NOT BE INSTALLED IN LIEU OF FIRESTOPPING MATERIALS AND U.L. SYSTEMS.
- FOR SLEEVED PENETRATIONS, FIRESTOP ANNUAL SPACE, IF ANY, BETWEEN SLEEVE AND ADJACENT CONSTRUCTION TO MEET U.L. SYSTEM REQUIREMENTS. SEE NOTE 2 ABOVE.
- THIS CONTRACTOR SHALL FIRESTOP ALL MISCELLANEOUS OPENINGS IN FIRE-RATED CONSTRUCTION RESULTING FROM HIS WORK.
- CONTRACTOR SHALL PROVIDE SUBMITTAL DRAWINGS TO ENGINEER, INCLUDING U.L. RATED SYSTEM NUMBER AND DETAIL FOR EACH TYPE OF PENETRATION AND CONFIGURATION.
- SLEEVES USED FOR CABLE RISERS THROUGH FLOORS OR WALLS SHALL BE INSTALLED PER THE ABOVE FLOOR OR WALL SECTIONS. IN ADDITION, FIRESTOP MATERIAL SHALL BE PROVIDED INSIDE SLEEVE AFTER CABLES ARE COMPLETELY INSTALLED.

FIRESTOPPING DETAIL FOR PENETRATIONS THROUGH FIRE-RATED CONSTRUCTIONS
N.T.S.