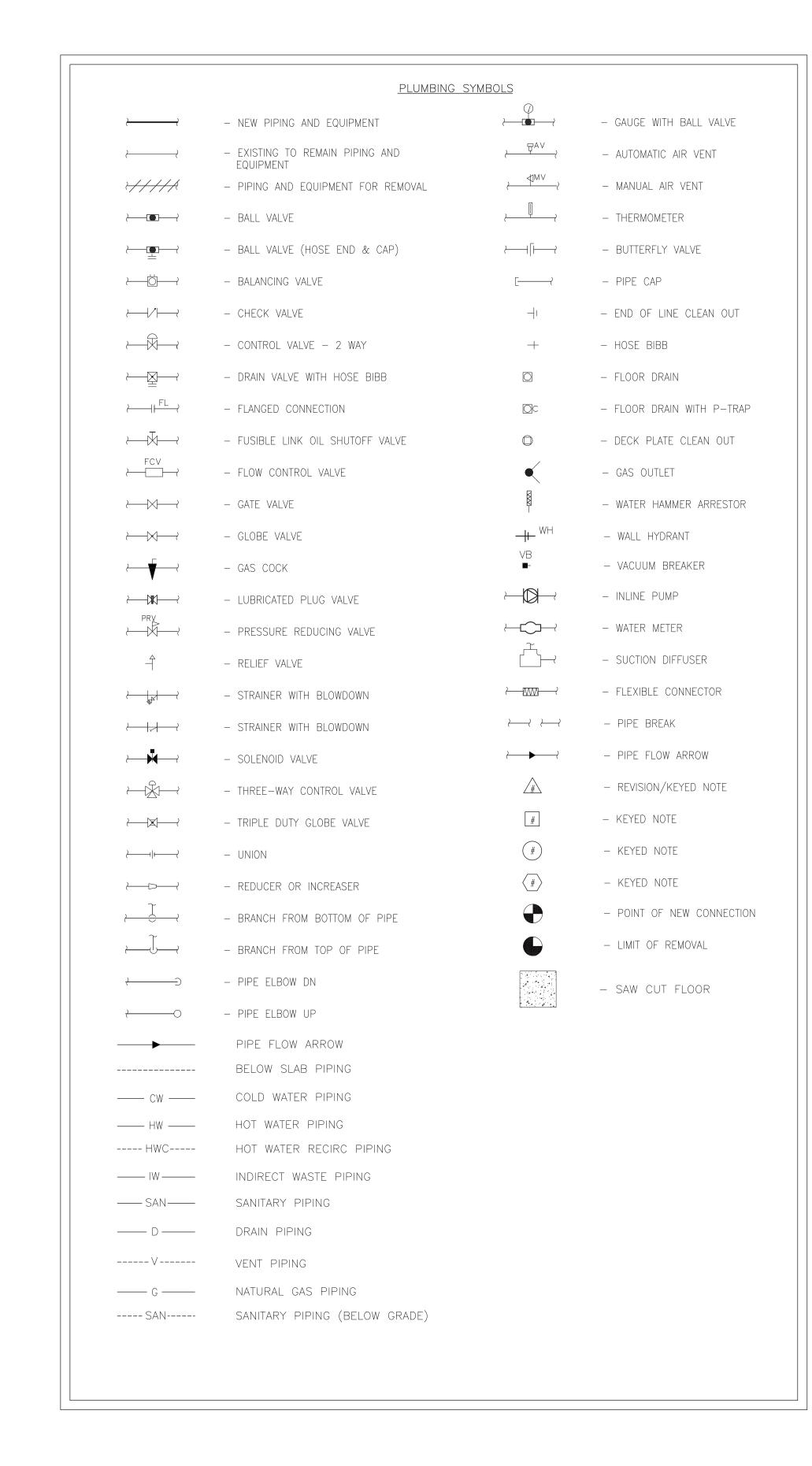
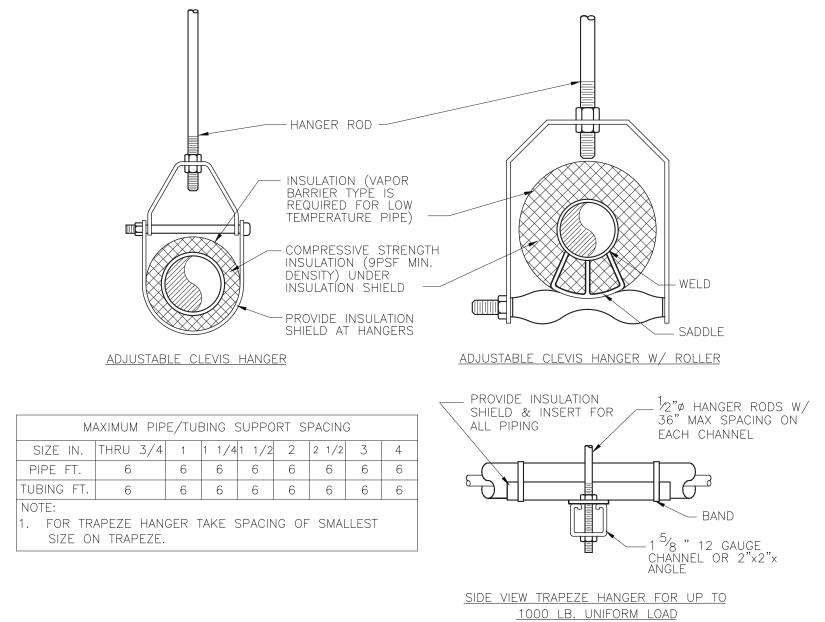
	PLUMBING ABBREVIA	<u>ations</u>	
A/E	ARCHITECT / ENGINEER	HW	INDIRECT WASTE
AD	AREA DRAIN	IWH	INSTANTANEOUS WATER HEATER
AD	ACCESS DOOR	KW	KILOWATT
ADA	AMERICANS WITH DISABILITIES ACT	LAV	LAVATORY
AFF	ABOVE FINISH FLOOR	М	METER
AFG	ABOVE FINISHED GRADE	MC	MECHANICAL CONTRACTOR
AHJ	AUTHORITY HAVING JURISDICTION	MBH	1000 BTUH
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MH	MANHOLE
AP	ACCESS PANEL	NC	NORMALLY CLOSED
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION	NG	NATURAL GAS
, 101111112	& AIR CONDITIONING ENGINEERS	NIC	NOT IN CONTRACT
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	NOM	NOMINAL
		NPW	NON POTABLE WATER
ASPE	AMERICAN SOCIETY OF PLUMBING	NTS	NOT TO SCALE
	ENGINEERS		
AWWA	AMERICAN WATERWORKS ASSOCIATION	02	OXYGEN
BFG	BELOW FINISHED GRADE	OD	OUTSIDE DIAMETER
BHP	BREAK HORSEPOWER	OSHA	OCCUPATIONAL SAFETY AND HEALTH
BOR	BASE OF RISER		ADMINISTRATION
BTU	BRITISH THERMAL UNIT	P	PUMP
BTUH	BRITISH THERMAL UNIT PER HOUR	PC	PLUMBING CONTRACTOR
С	CELSIUS	PD	PUMP DISCHARGE
CA	COMBUSTION AIR	PDI	PLUMBING AND DRAINAGE INSTITUTE
	COMPRESSED AIR	PF	PLUMBING FIXTURE
CA		PG	PRESSURE GAGE
CGA	COMPRESSED GAS ASSOCIATION	PG PPM	PARTS PER MILLION
Cl	CAST IRON		
CO	CLEANOUT	PRS	PRESSURE REDUCING STATION
CO2	CARBON DIOXIDE	PRV	PRESSURE REDUCING VALVE
COND	CONDENSATE	PSI	POUNDS PER SQUARE INCH
CP	CIRCULATING PUMP	PSIA	POUNDS PER SQUARE INCH ATMOSPHERE
CPVC	CHLORINATED POLYVINYL CHLORIDE	PSIG	POUNDS PER SQUARE INCH GAUGE
CU	COPPER	PVC	POLYVINYL CHLORIDE
CW	COLD WATER (DOMESTIC)	RD	ROOF DRAIN
	,	RL	RAIN LEADER
D	DRAIN	RO	REVERSE OSMOSIS WATER
DIA	DIAMETER	RPZ	REDUCED PRESSURE ZONE BACKFLOW
DFU	DRAINAGE FIXTURE UNIT	1/1 /	
DN	DOWN	0.414	PREVENTER
DPCO	DECK PLATE CLEANOUT	SAN	SANITARY SEWER
DWG	DRAWING	SMACNA	SHEET METAL AND AIR CONDITIONING
DWH	DOMESTIC WATER HEATER		CONTRACTORS NATIONAL ASSOCIATION
DWV	DRAIN WASTE VENT	SCFM	STANDARD CUBIC FOOT/MINUTE
EC	ELECTRICAL CONTRACTOR	SCW	SOFTENED COLD WATER
EL	ELEVATION	SP	SUMP PUMP
ET	EXPANSION TANK	SQFT	SQUARE FEET
		SS	STAINLESS STEEL
EWC	ELECTRIC WATER COOLER		
EXIST	EXISTING	ST	STORM SEWER
F		T&P	TEMPERATURE & PRESSURE (RELIEF VALVE)
FD	FLOOR DRAIN	TD	TRENCH DRAIN
FU	FIXTURE UNITS	TDH	TOTAL DYNAMIC HEAD
FV	FLUSH VALVE	TEMP	TEMPERATURE/TEMPORARY
G	NATURAL GAS	TMV	THERMOSTATIC MIXING VALVE
GAL	GALLON	TP	TRAP PRIMER
GALV	GALVANIZED		THERMOSTAT
GC	GENERAL CONTRACTOR	TSTAT	
		TW	TEMPERED WATER
GPH	GALLONS PER HOUR	TYP	TYPICAL
GPM	GALLONS PER MINUTE	UC	UNDERCUT
H&CW	HOT AND COLD WATER	UH	UNIT HEATER
HB	HOSE BIBB	UL	UNDERWRITERS LABORATORY
HC	HEATING & HVAC CONTRACTOR	UPC	UNIFORM PLUMBING CODE
HD	HUB DRAIN	UR	URINAL
HP	HORSEPOWER	V	VENT
HS	HAND SINK	v VB	VACUUM BREAKER
HW	HOT WATER (DOMESTIC)	VD VTR	VENT THROUGH ROOF
	,		
INV	INVERT	WC	WATER CLOSET
		WCO	WALL CLEANOUT
		WH	WALL HYDRANT
		WHA	WATER HAMMER ARRESTER
		WSFU	WATER SUPPLY FIXTURE UNIT





1 PIPE SUPPORT DETAIL
SCALE: NONE

GENERAL PLUMBING NOTES:

- 1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
- 2. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- 3. ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION, REMOVALS AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
- 4. PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE ALL TRADES OF THIS CONTRACT AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
- 5. PROTECT ALL EXISTING AND NEW BUILDING ELEMENTS FROM DAMAGE. CONTRACTOR SHALL RESTORE ALL DAMAGED ELEMENTS TO ORIGINAL OR BETTER CONDITION.
- 6. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
- 7. MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
- 8. CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO ISOLATING, SHUTTING DOWN, DRAINING, FILLING AND TESTING SYSTEMS TO ALLOW FOR COMPLETION OF WORK. INTERRUPTIONS TO EXISTING SERVICES AND SYSTEMS SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AND DURATION APPROVED BY THE OWNER AND UTILITY AS APPLICABLE. INCLUDE ALL PREMIUM TIME ASSOCIATED WITH INTERRUPTIONS. ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER, UTILITY AND COORDINATED WITH OTHER TRADE WORK.
- 9. ALL EQUIPMENT PIPING, WIRING, INSULATION ETC.
 INSTALLED IN HVAC AIR PLENUM SPACES SHALL MEET
 CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
- 10. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS AND FLOORS WITH UL RATED MATERIALS/METHODS EQUIVALENT TO FIRE RATING OF ASSEMBLY.
- 11. PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS/DOORS SHALL BE A MINIMUM OF 12"X12", UNLESS OTHERWISE NOTED.
- 12. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS.
 ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR
 FROM CEILING SUSPENSION SYSTEM WHICH HAS BEEN
 REINFORCED. SUPPORTS SHALL BE SELECTED AND
 INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.
- 13. PLUMBING CONTRACTOR IS RESPONSIBLE FOR JETTING/SNAKING ALL SANITARY WASTE LINES (ALL FLOOR DRAINS) SHOWN ON THE DRAWINGS TO BE FULLY OPERATIONAL.
- 14. CLEANING DURING PLUMBING WORK: THE MECHANICAL ROOM AND ROOMS WHERE WORK WILL BE DONE TO MINIMIZE DISTURBANCE IN THE BUILDINGS. WORKERS ARE TO USE PATHWAYS AND FACILITIES AGREED UPON WITH THE DISTRICT DESIGNEE IN WRITING. THE AREA OUTSIDE THE BUILDING WHERE CUTTING, WELDING OR STORAGE IS ALLOWED IS TO BE FENCED AT ALL TIMES. THE CONTRACTOR WILL ON A DAILY BASIS CLEAN THE GROUNDS AND THE BUILDING OF ANY DEBRIS OR GARBAGE GENERATED BY THEIR WORK.
- 15. ALL WORKERS ON SITE MUST WEAR HARD HATS AND EYE PROTECTION AT ALL TIMES. (ON SCHOOL GROUNDS)
- 16. CONTRACTOR TO EMPTY GENERATOR OIL TANK AND TRANSFER FUEL TO A TEMPORARY TANK AS DESIGNATED AREA BY YPS. ASSUME 500 GALLONS OF DIESEL FUEL FOR BIDDING PURPOSE ONLY. PLUG ALL HOLES IN TANK WHEN PROVIDING DEMO AND NEW WORK. PRESSURE TEST TANK AND RECOMMISSION TANK PER CODES.
- 17. CONTRACTOR TO EMPTY HEATING OIL TANK AND
 TRANSFER FUEL TO TEMPORARY TANK AS DESIGNATED
 AREA BY YPS. ASSUME 100 GALLONS OF HEATING FUEL
 FOR BIDDING PURPOSE ONLY. PLUG ALL HOLES IN TANK
 WHEN PROVIDING DEMO AND NEW WORK. PRESSURE
 TEST TANK AND RECOMMISSION TANK PER CODES
- 18. CONTRACTOR TO PROVIDE PLUGS FOR EXISTING PARKING AREA DRAINS AND DIVERT WATER AROUND WORK AREAS. COORDINATE WITH DISTRICT FOR LOCATIONS

DAMAGE TO WALLS AND/OR CEILINGS DURING YOUR SCHEDULED WORK

1. CONTRACTORS NOT TO DAMAGE EXISTING WALLS THAT ARE TO REMAIN. THIS INCLUDES WALLS WHERE ONLY A PORTION OR SIDE OF THE WALL IS TO REMAIN AND THE OTHER SIDE OF WALLS IS TO BE MODIFIED OR REPLACED. CONTRACTOR IS RESPONSIBLE FOR REPAIR TO DAMAGE WALLS AND TO ANY PORTION OF WALLS THAT ARE EXISTING TO REMAIN, EVEN IF NOT SPECIFICALLY MARKED AS SUCH.

2. CONTRACTOR IS RESPONSIBLE FOR REPAIR TO DAMAGE CEILINGS

CONTRACTOR IS RESPONSIBLE FOR REPAIR TO DAMAGE CEILINGS AND TO ANY PORTION OF CEILINGS THAT ARE EXISTING TO REMAIN, EVEN IF NOT SPECIFICALLY MARKED AS SUCH

CONTRACTORS' COORDINATION NOTE:

ALL CONTRACTORS ARE REQUIRED TO REVIEW THE CONTRACT DRAWINGS FOR ALL TRADES AND DETERMINE NECESSARY COORDINATION BETWEEN TRADES PRIOR TO BIDDING. ANY DISCREPANCIES, COMMENTS, OR QUESTIONS ARE TO BE SUBMITTED TO THE ENGINEER BY RFI.

Eisenbach & Ruhnke Engineering, P.

291 Genesee Street - Utica, NY 13501
Ph: 315-735-1916 Fax: 315-735-6365
www.erengpc.com

FULLER
D'ANGELO

D'ANGELO P.C. ARCHITECTS

PLANNERS

45 KNOLLWOOD ROAD

ELMSFORD NEW YORK 10523

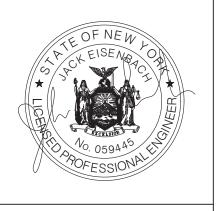
www.fullerdangelo.com

TEL 914.592.4444

FAX 914.592.1717

Copyright 2020 All Rights Reserved by FULLER

ENGINEER STAMP:



YONKERS PUBLIC SCHOOLS
STORAGE AREA RENOVATIONS
Martin Luther King Elementary Schoo
135 Locust Hill Avenue, Yonkers N.Y. 10701
S.E.D.# 66-23-00-01-0-233-009

| YPS NO. | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10875 | 10

E&R PROJECT NO. Y19MLK01

SHEET TITLE

ABBREVIATIONS

AND SYMBOLS

SHEET NO.

P-001

