

REVISIONS

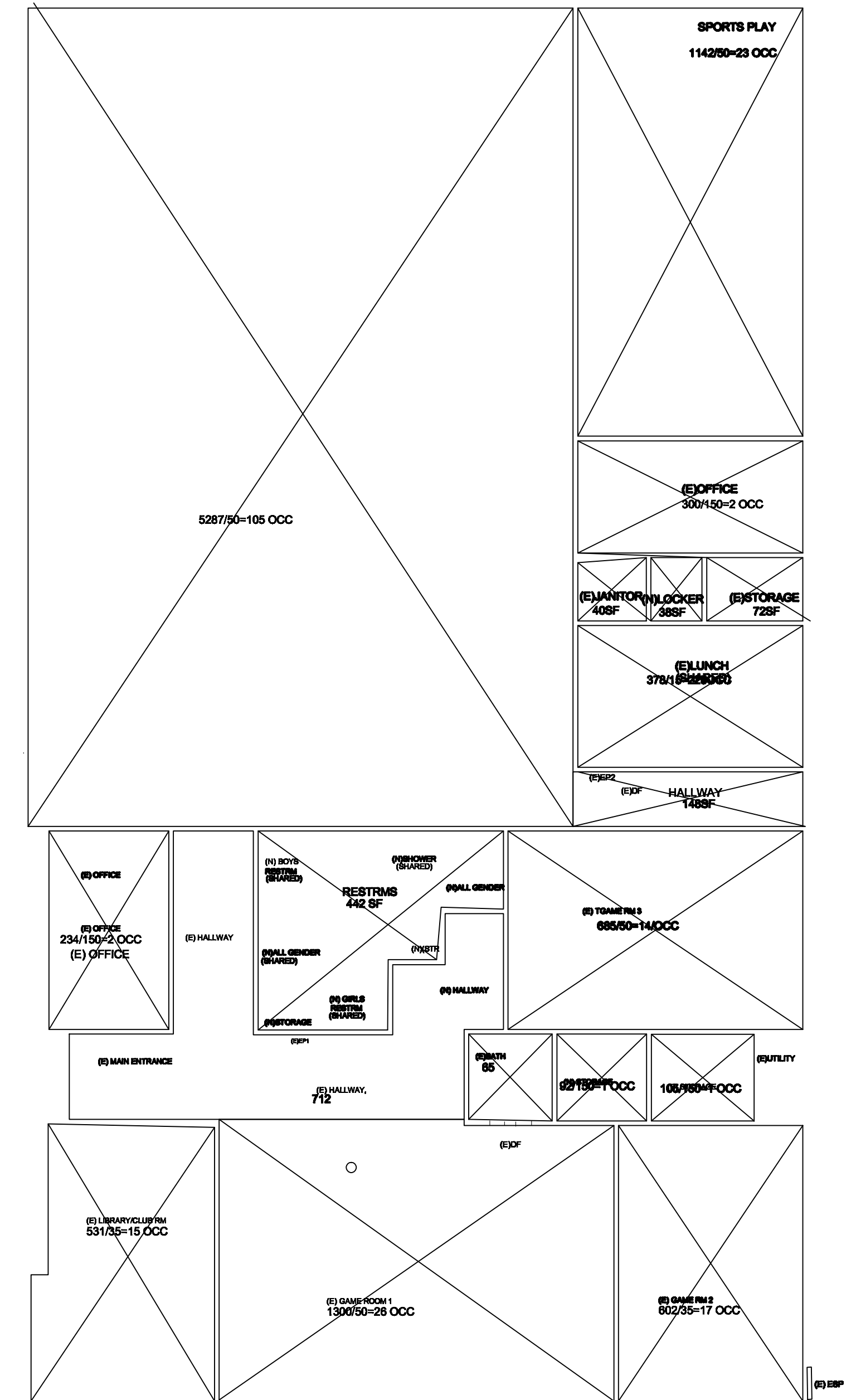
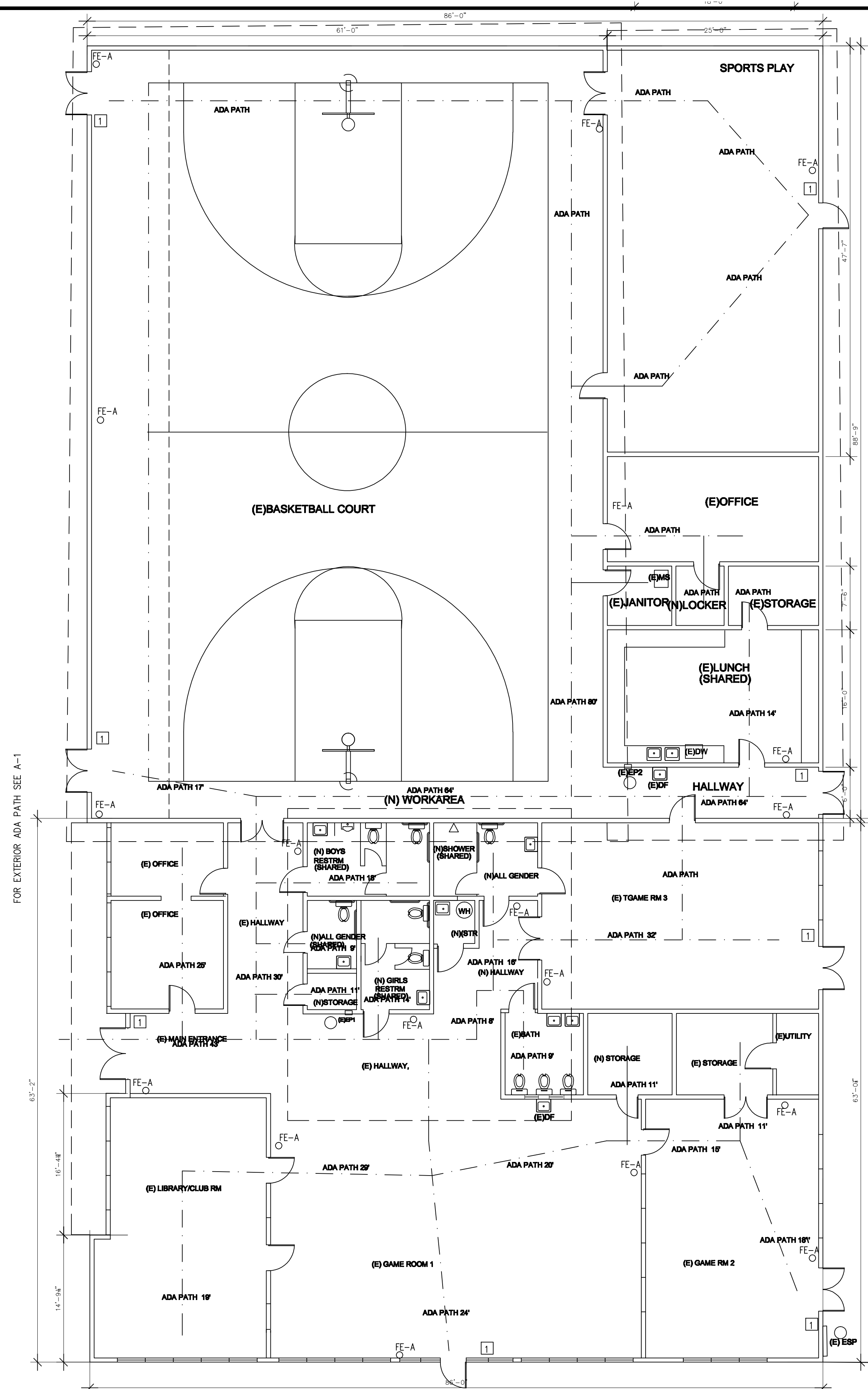
| Δ | CITY COMMENTS | 10-15-2024 |
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CITISTAR SPORTS
LEARNING CENTER
200 N QUEBEC STREET
SAN MATEO, CA 94401

LRS

LRS ASSOCIATES
DESIGN AND PLANNING
2059 CAMDEN AVENUE , STE 303
SAN JOSE , CA 95124 (408) 691-5038
Lrs888@sbglobal.net

| | |
|-------------------|------------------------|
| DATE 1-15-2024 | PROJECT NO. 45.3252 |
| SCALE SHOWN | DRAWN MW |
| SHEET A-2 | |
| OF SHEETS | |



FLOOR AREA TABULATION

- | | |
|---------------------------|---------------------|
| 1) MAIN ENTRANCE/HALLWAYS | 712+148=860SF |
| 2) LIBRARY/CLUB | 531SF |
| 3) GAME ROOMS | 1300+602+685=2587SF |
| 4) STORAGE | 92+105+73=270SF |
| 5) OFFICES | 234+300=534SF |
| 6) RESTROOMS | 442+65=507SF |
| 7) BASKETBALL COURT | 5287SF |
| 8) LUNCH | 378SF |
| 9) JANITOR | 40SF |
| 10) LOCKER | 38SF |
| 11) SPORTS PLAY | 1140SF |
| USABLE BUILDING AREA | 11901SF |
| GROSS BUILDING AREA | 13,120SF |



| | |
|----------------------|----------|
| USABLE BUILDING AREA | 11901SF |
| GROSS BUILDING AREA | 13,120SF |

[illegible]

CLIMSTAR SPORTS
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SAN MATEO, CA 94401



URS ASSOCIATES
DESIGN AND PLANNING

2059 CAMDEN AVENUE , STE 303
SAN JOSE , CA 95124 (408) 691-5038
Lrs888@sbcbglobal.net

DATE
-15-2024

PROJECT NO.
5.3252

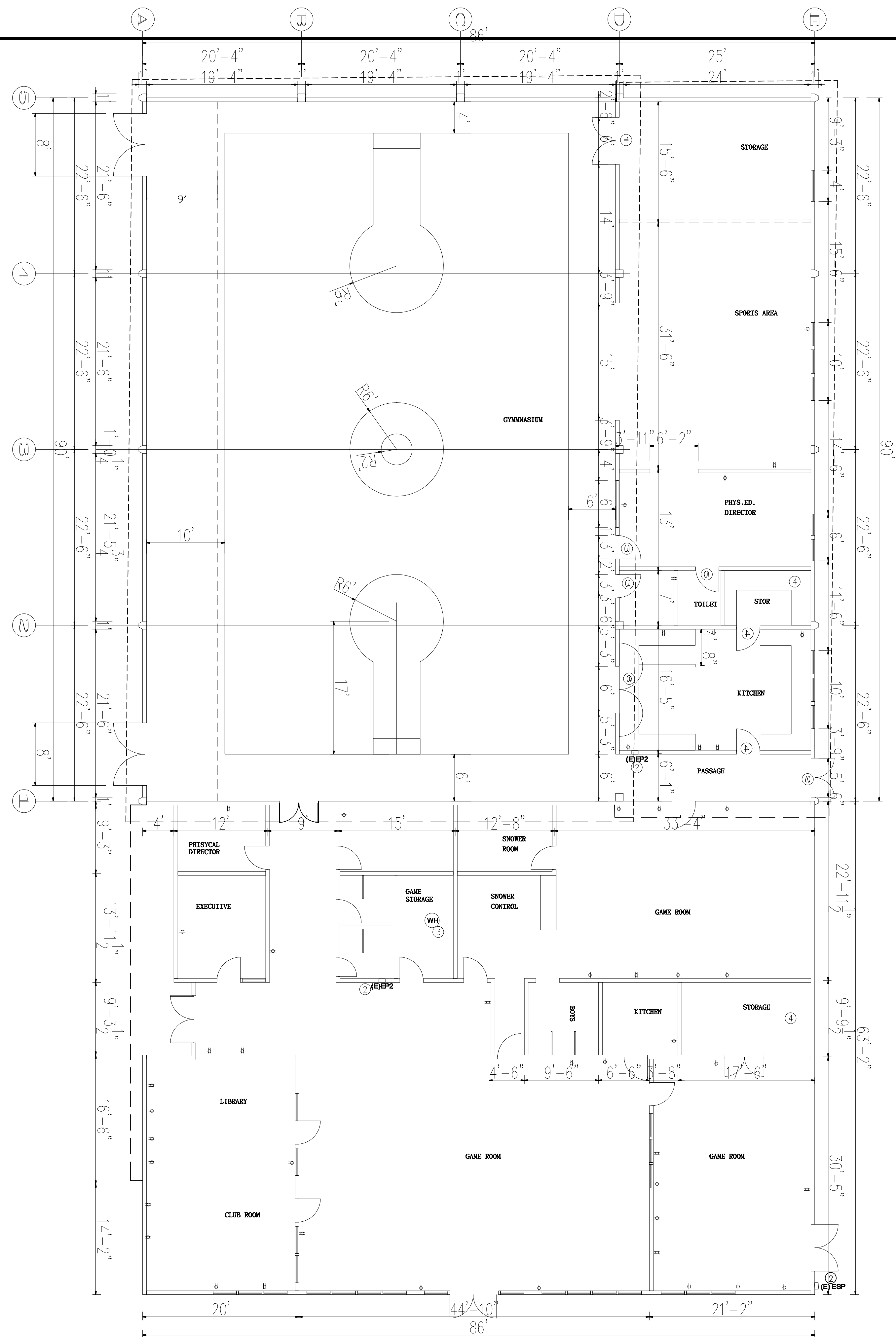
SCALE
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A-2.1

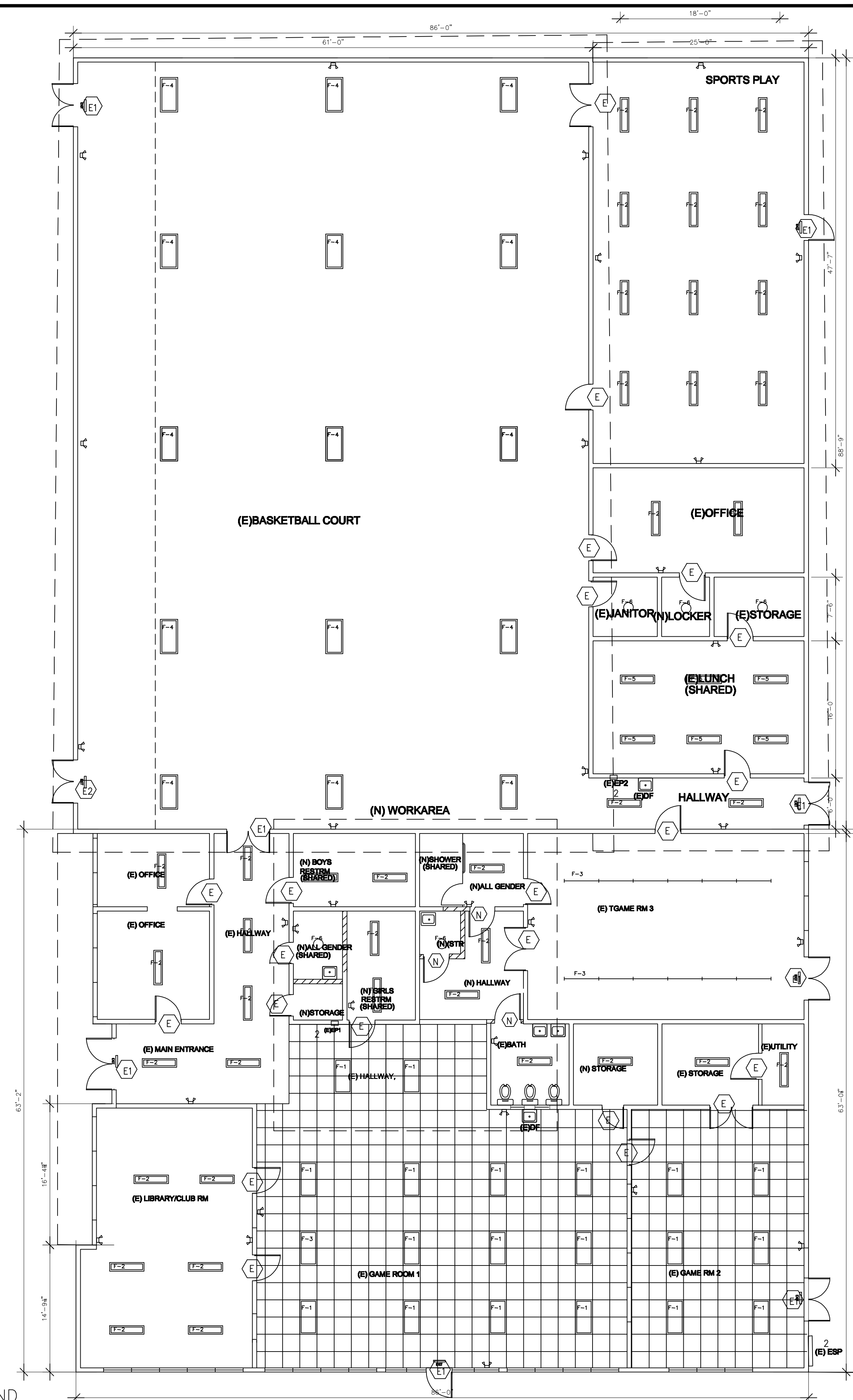
OF SHEETS



△ SCOPE OF RED TAG REPAIR WORK:
ALL REPAIR AND NEW WORK TO CONFORM TO 2022 CBC, CEC,
CMC, CPC AND CFC.


1) CHECK AND REPLACE ALL EXPOSED ELECTRICAL WIRING,
CHECK ALL ELECTRICAL OUTLETS REMOVE AND REPLACE
ALL NONE TAMPER RESISTANT OUTLETS TO UL LISTED OUTLETS
REMOVE ALL EXTENSION CORDS ADD OUTLETS AS REQUIRED

- 2) REMOVE AND REPLACE EXISTING ELECTRICAL PANELS WITH UL LISTED ELECTRICAL PANELS
- 3) LEGALIZE EXISTING WATER HEATER AND INSTALL VENTING SEISMIC STAPPINGS PER 2022 CPC
- 4) CHECK & LEGALIZE (E) HVAC UNITS FOR REQUIRED CFM PER 2022 CMC



LEGEND

INSTALL NEW LIGHT FIXTURES, MOTION SENSORS AND DIMMER SWITCHES

| | |
|--|--|
| <div style="border: 1px solid black; padding: 2px; display: inline-block;">F-1</div> | RECESSED 2'X4' LED 2 LAMP LIGHT FIXTURE (36W) LITHONIA OR EQUAL |
| <div style="border: 1px solid black; padding: 2px; display: inline-block;">F-2</div> |  SURFACE 2'X4' LED 2 LAMP LIGHT FIXTURE (34W) LITHONIA OR EQUAL |
| <div style="border: 1px solid black; padding: 2px; display: inline-block;">F-3</div> | SURFACE EXPOSED TUBE LED 1 LAMP LIGHT FIXTURE |

| | |
|-----|--|
| F-4 | RECESSED 2'X4' LED 4 LAMP LIGHT FIXTURE (72W) LITHONIA OR EQUAL |
| F-5 | SURFACE 2'X4' LED 1 LAMP LIGHT FIXTURE (16W) LITHONIA OR EQUAL |

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ARCHITECT

DATE
1-15-2024

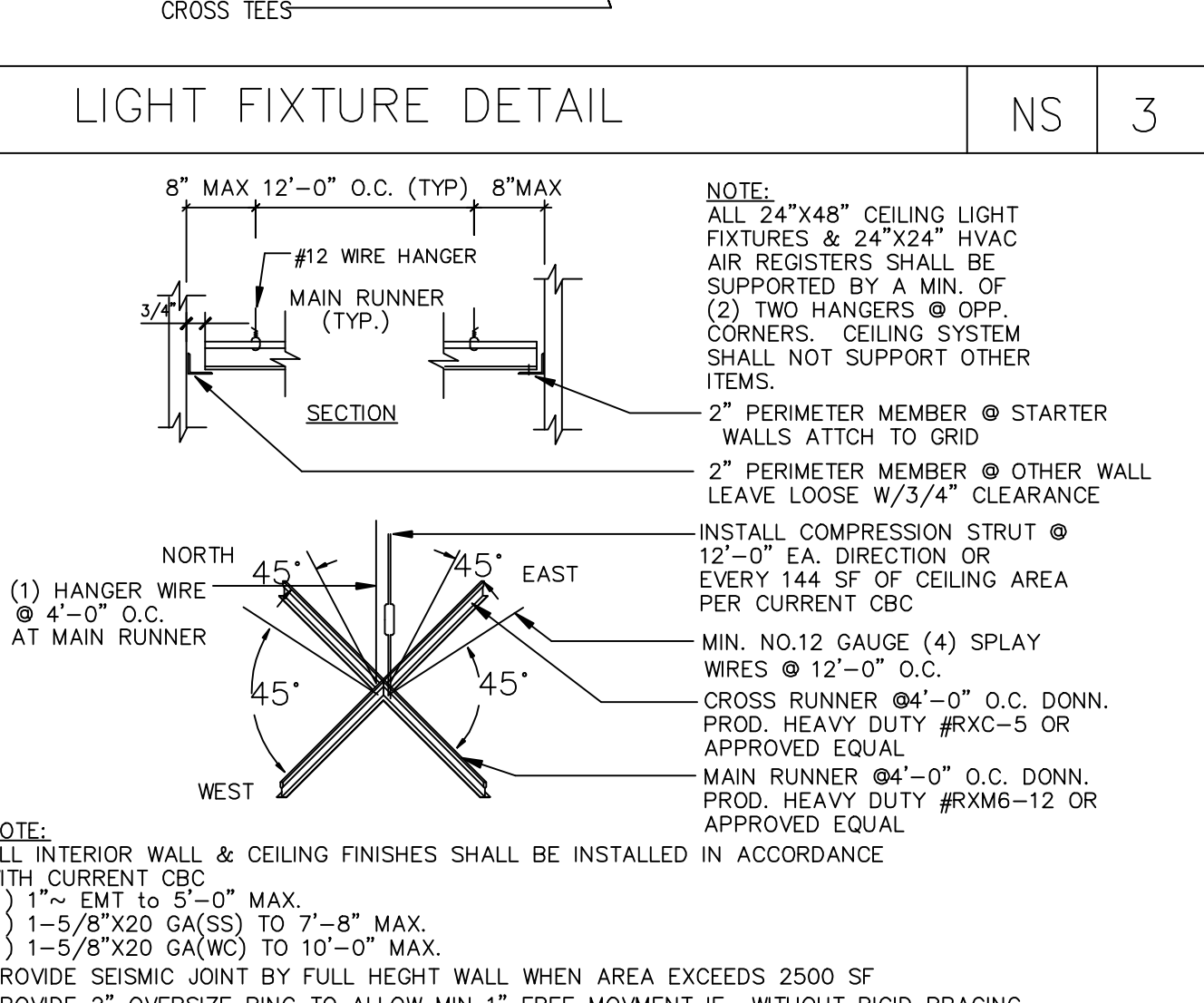
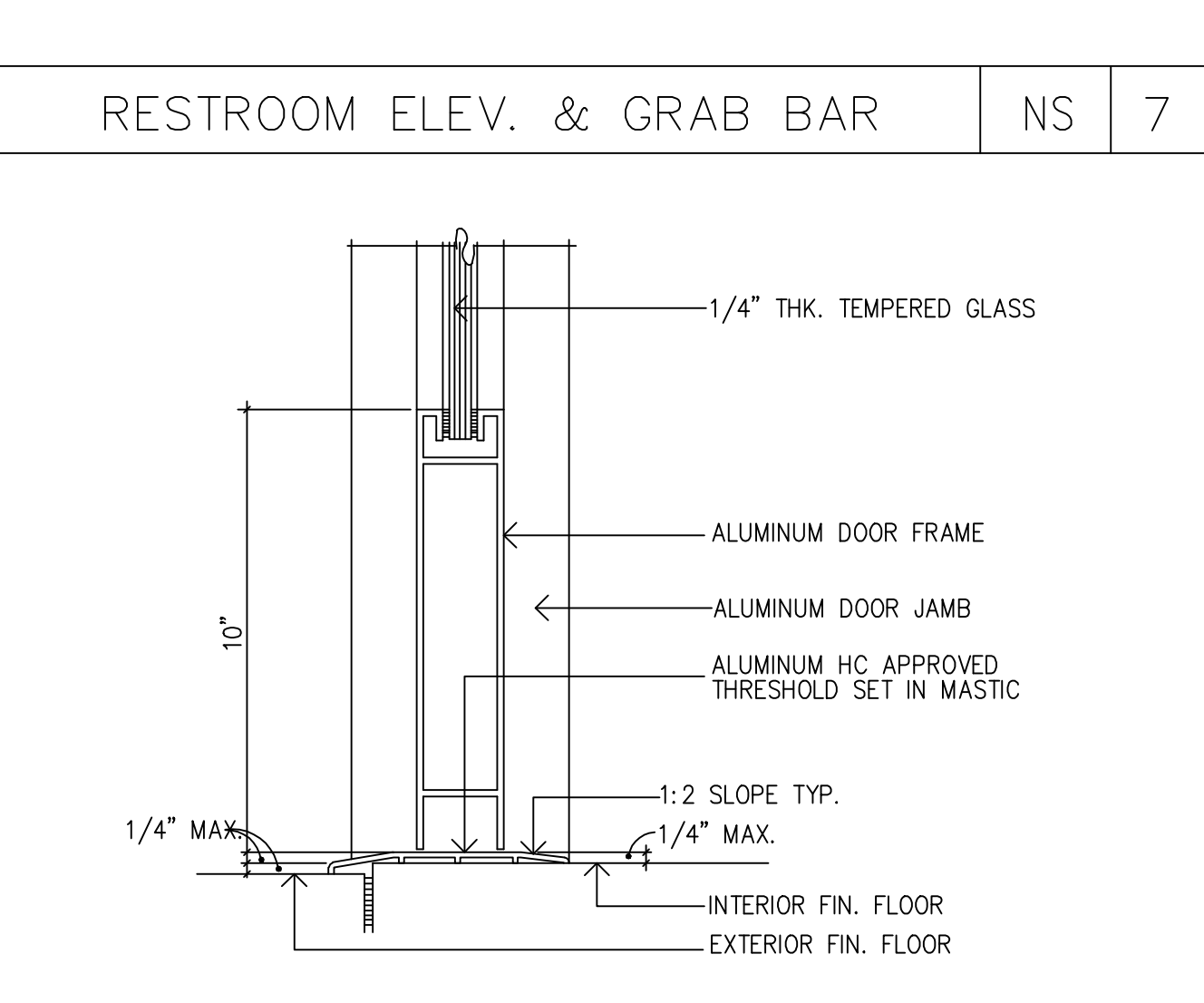
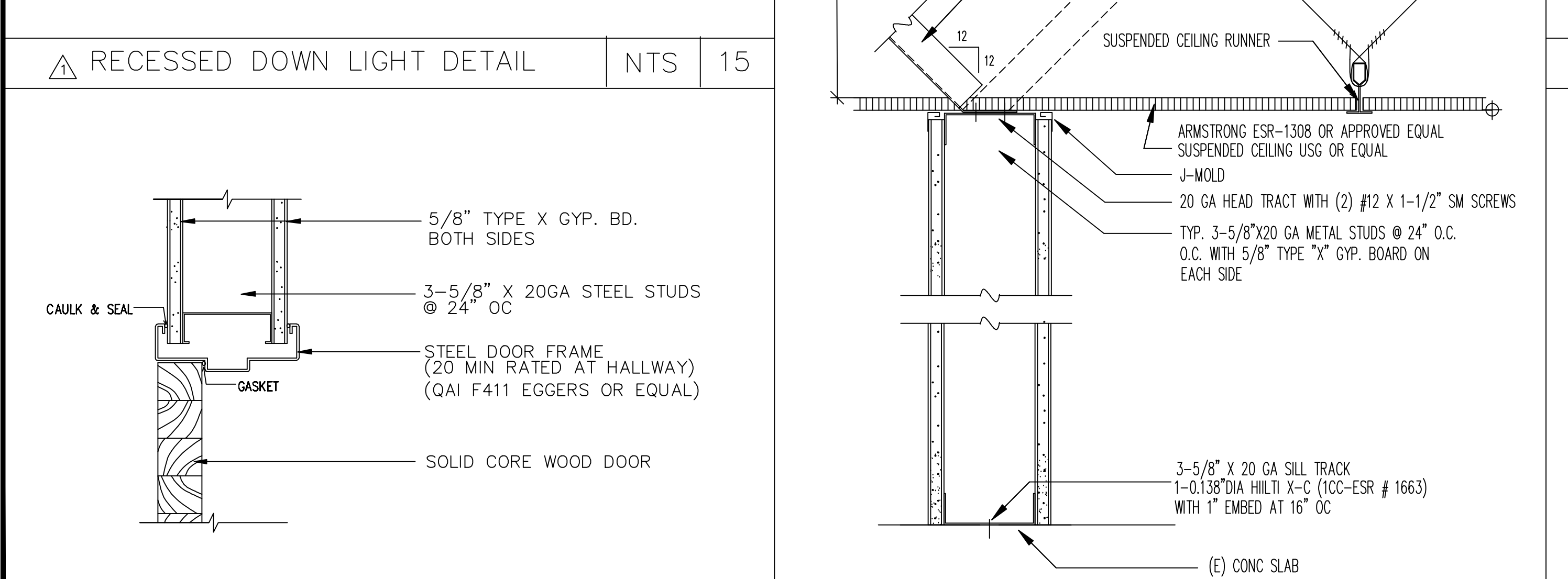
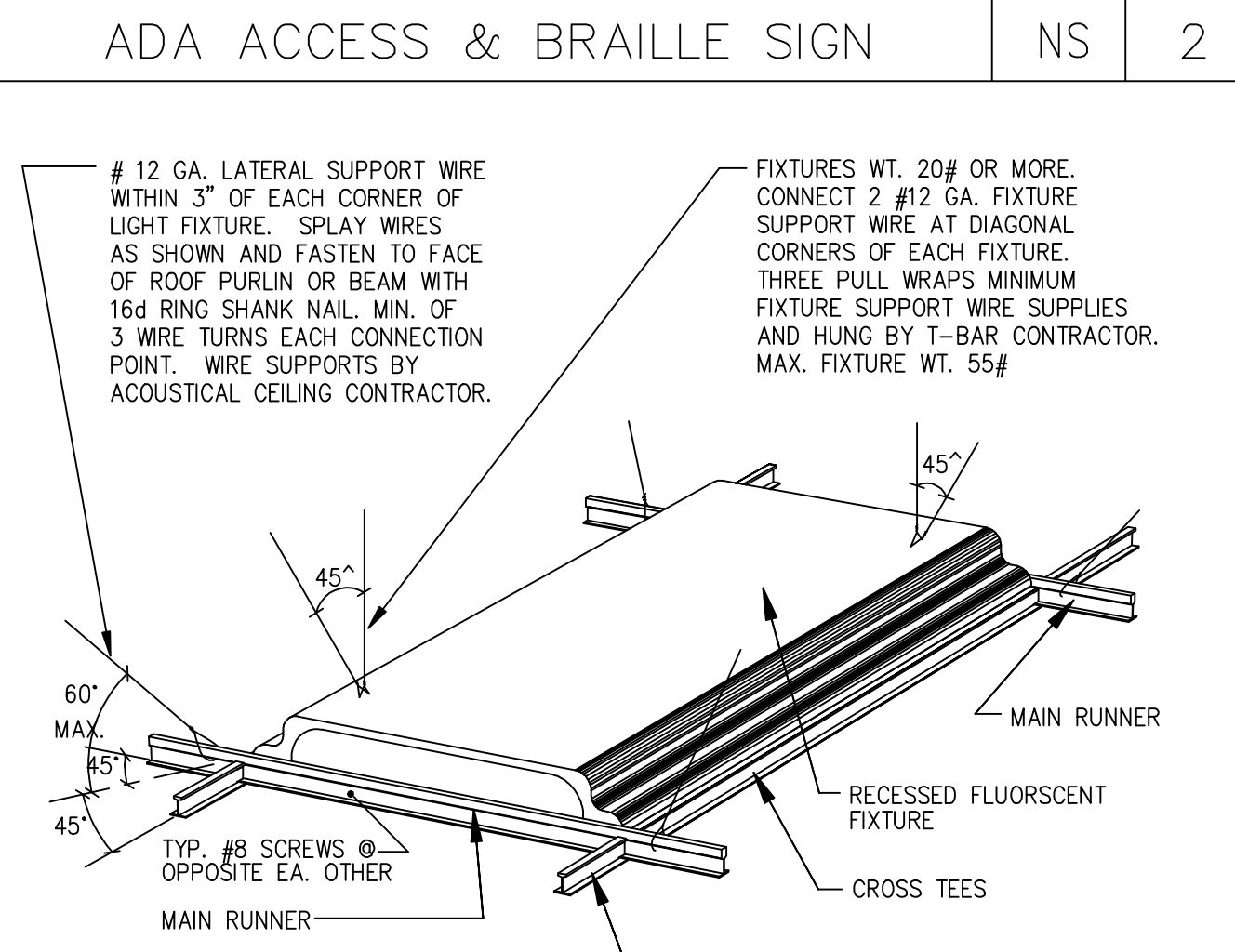
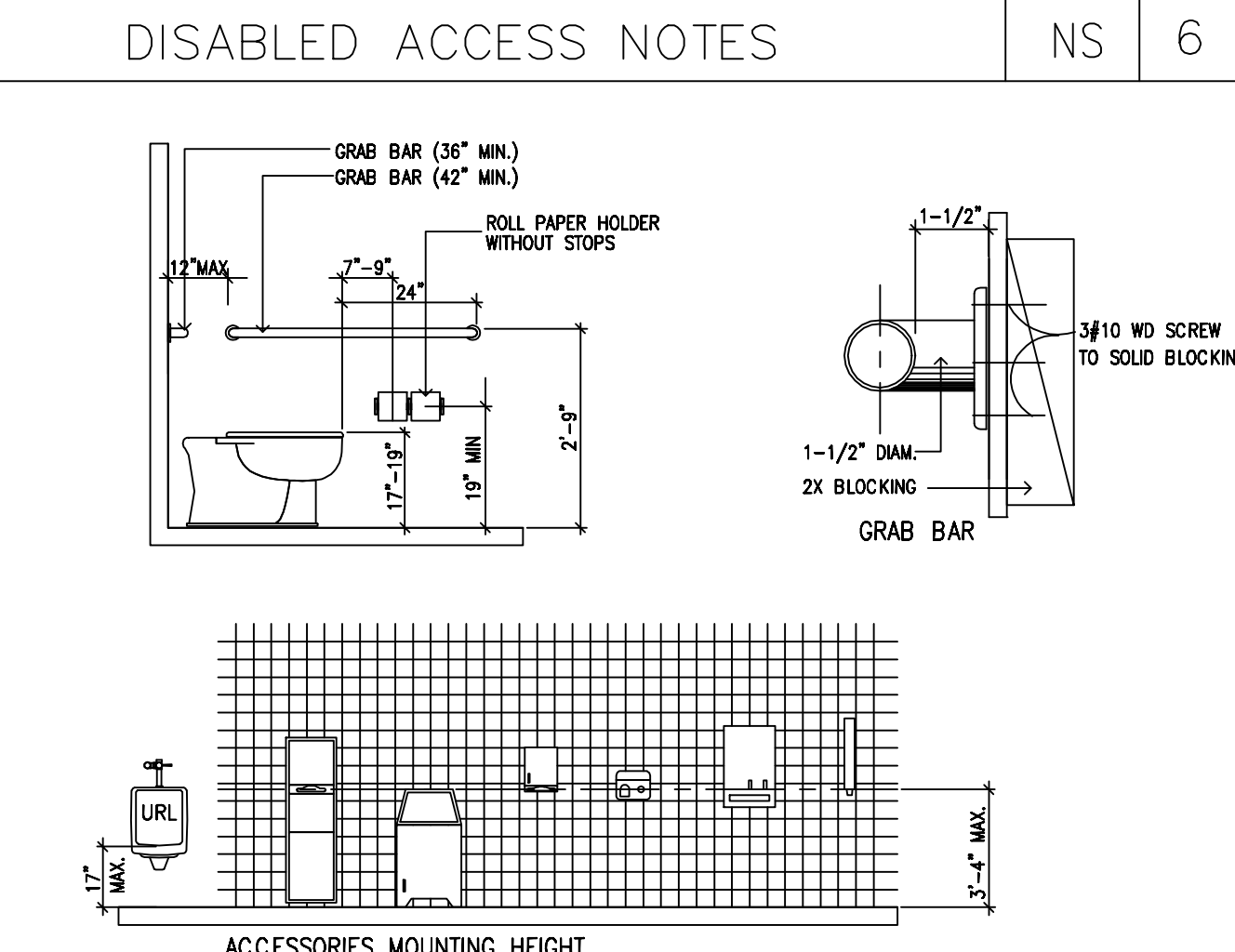
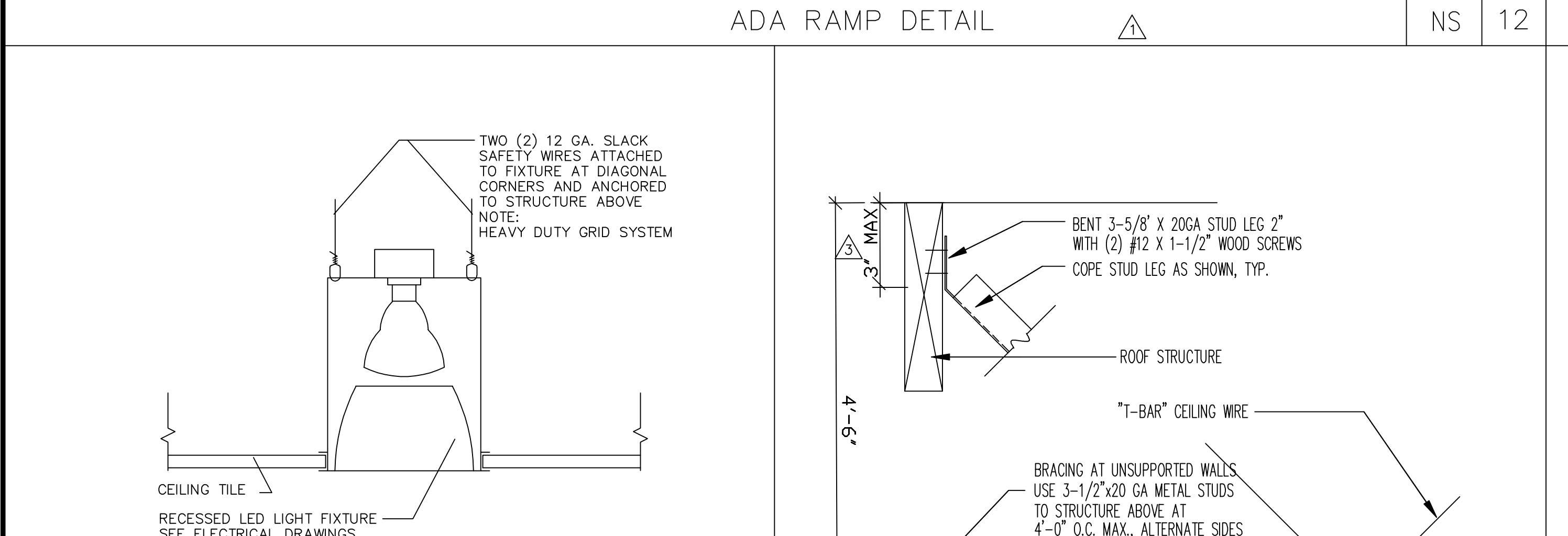
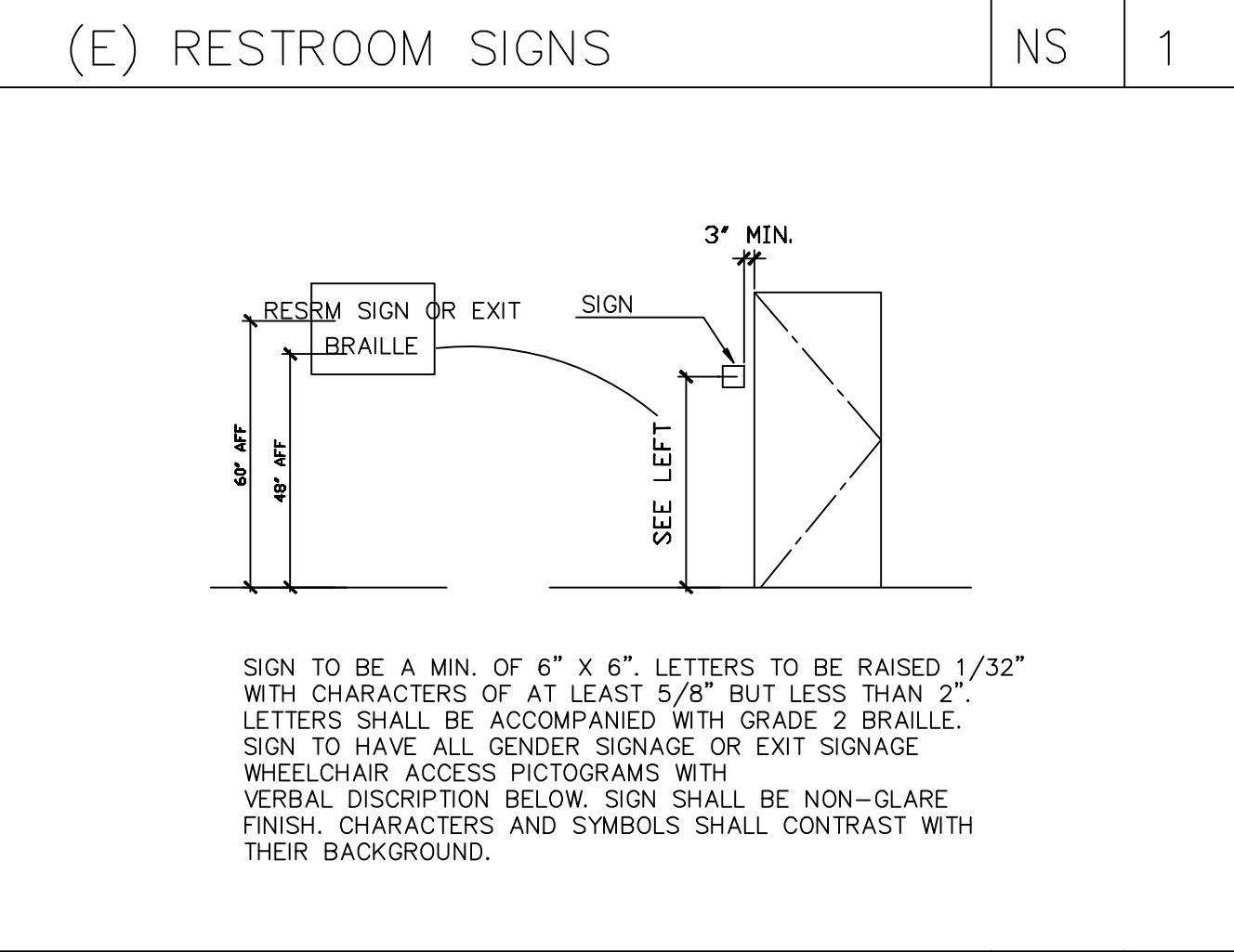
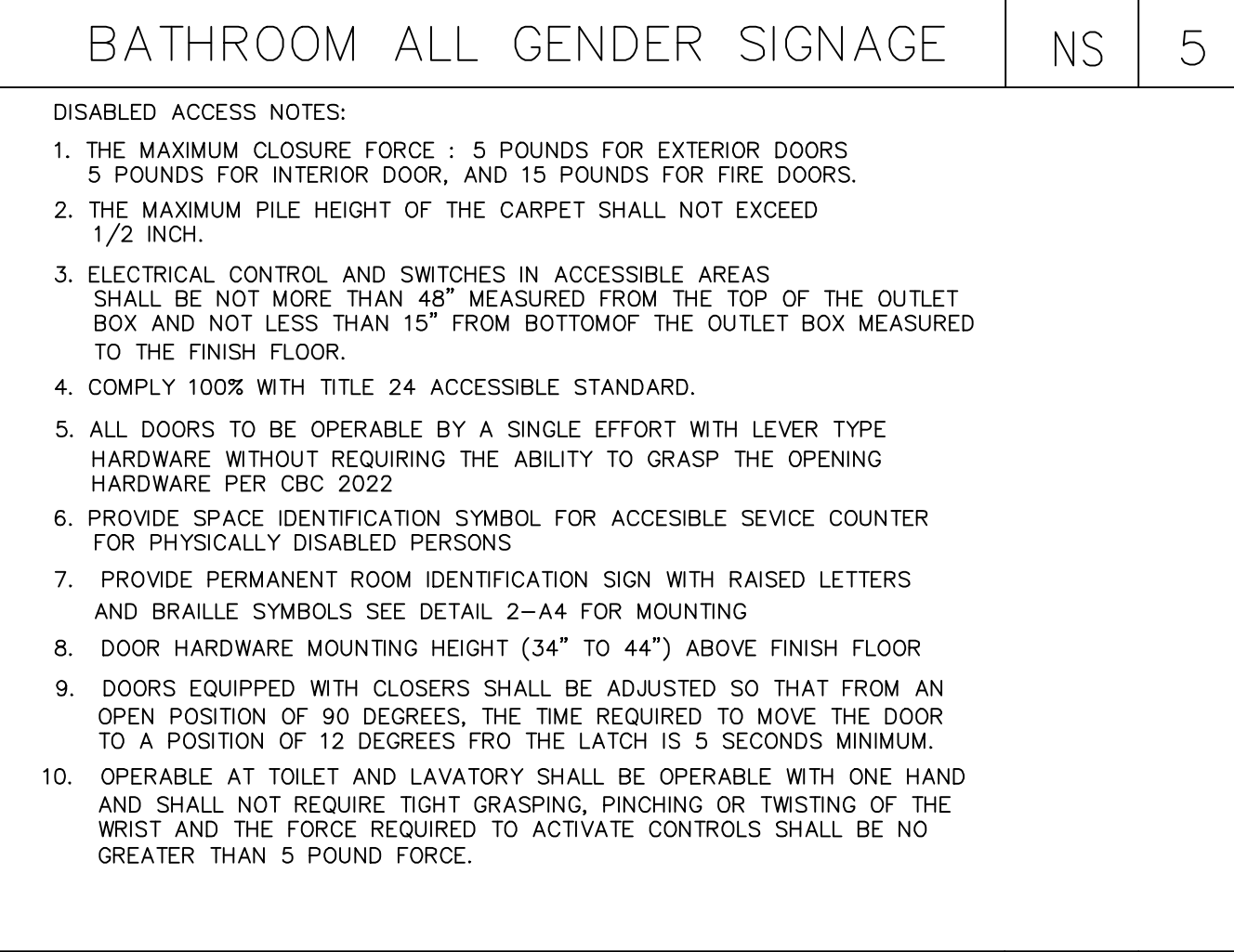
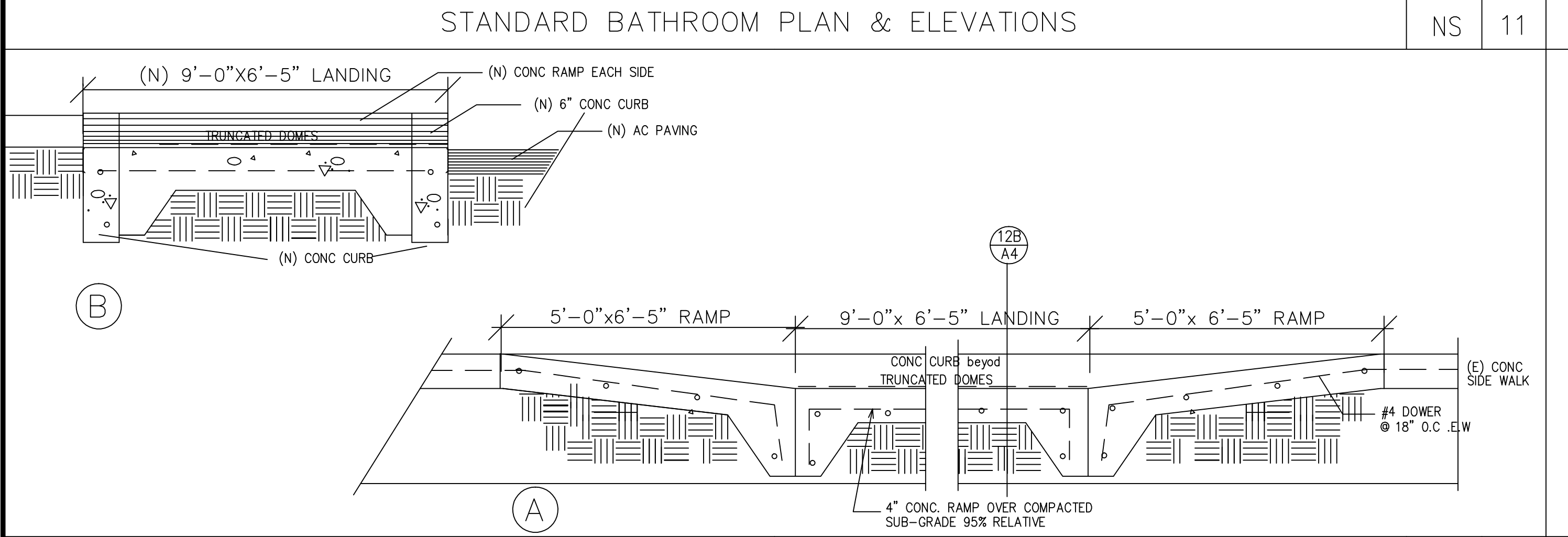
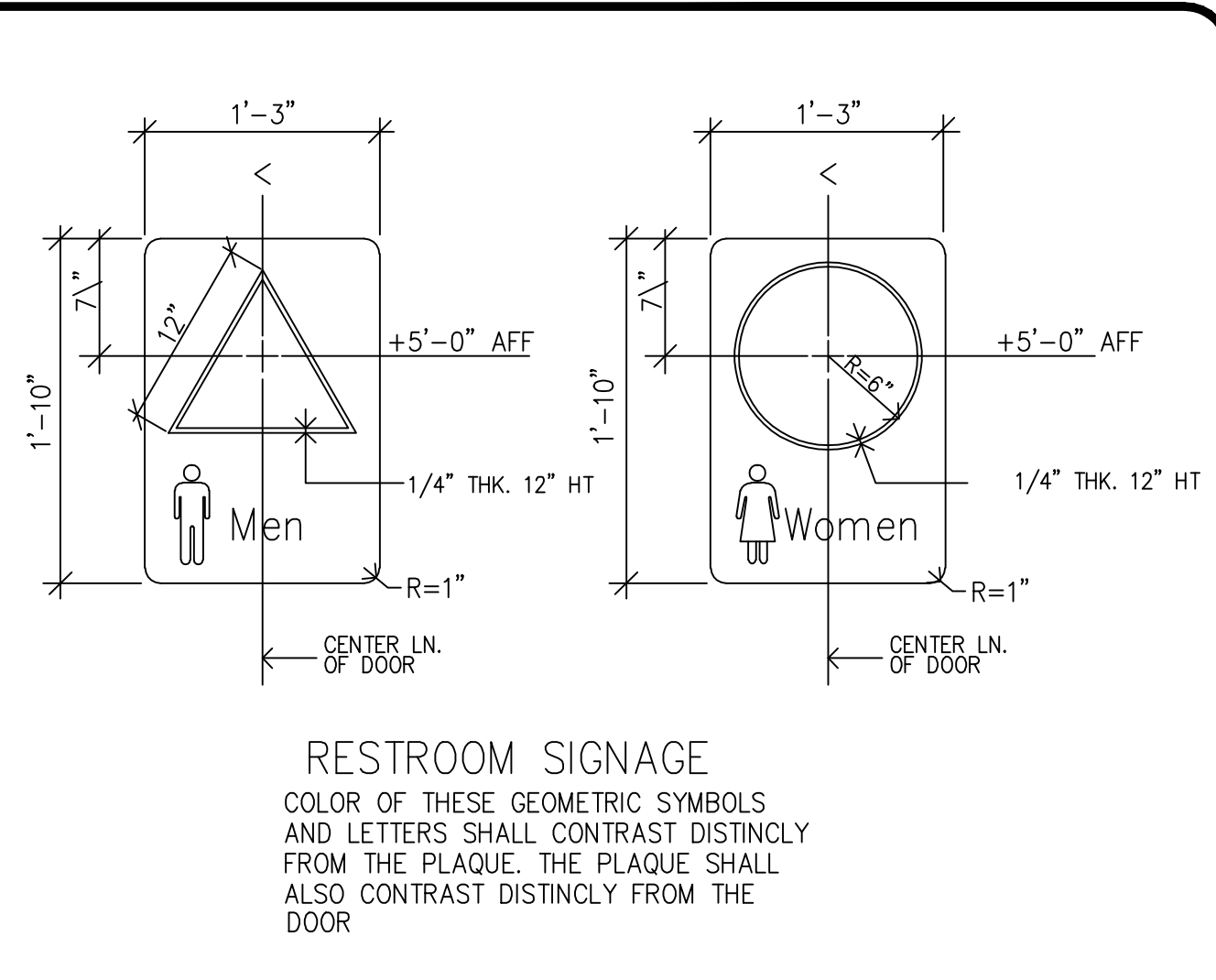
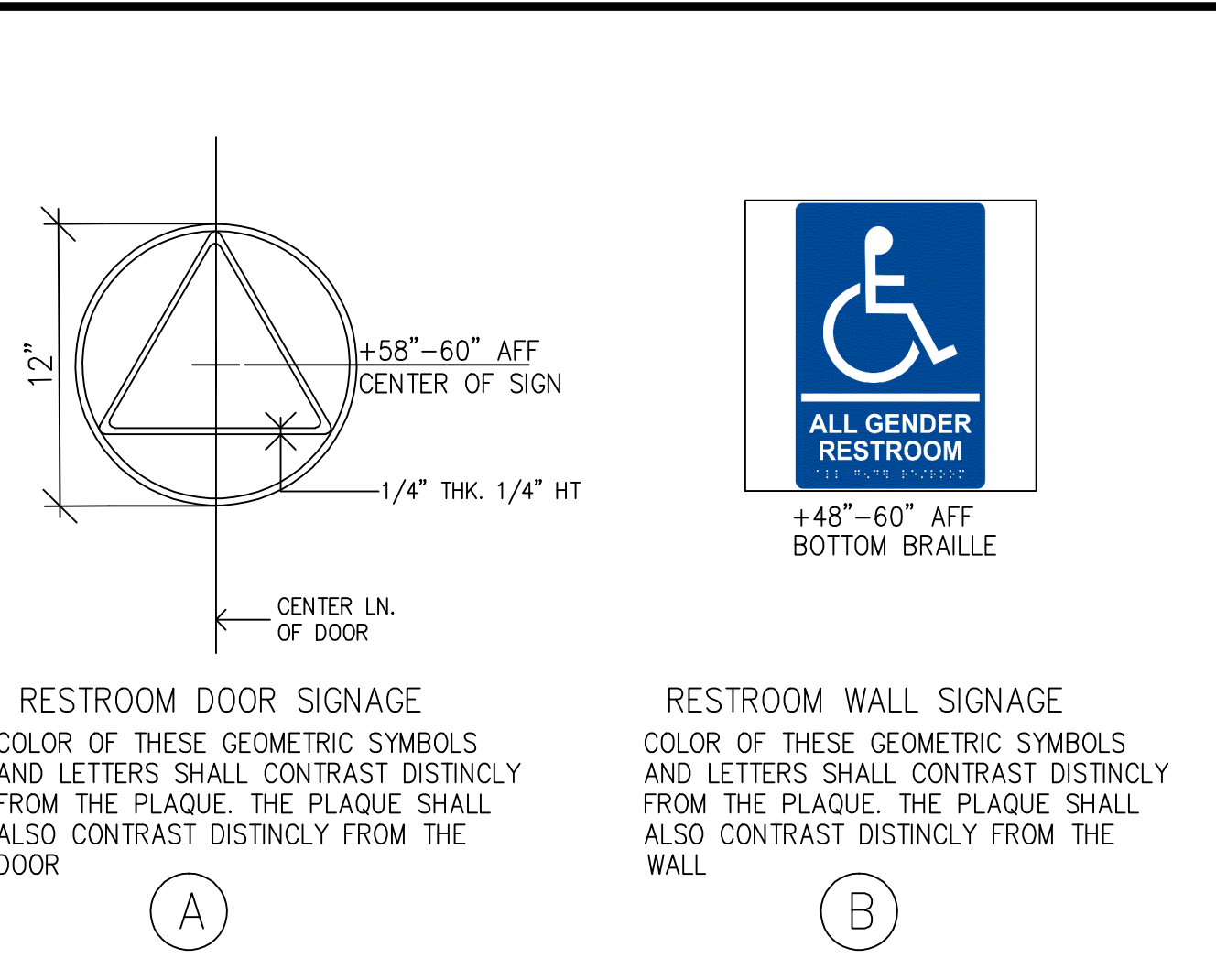
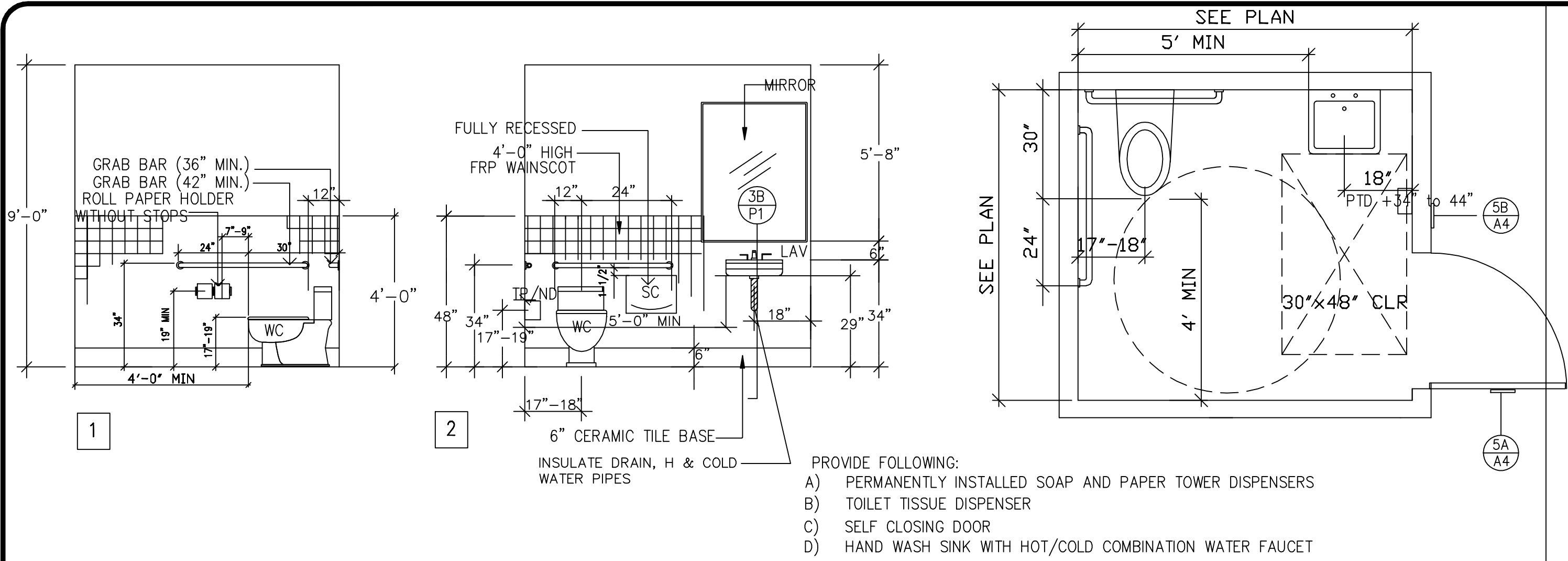
PROJECT NO.
45.3252

SCALE DRAWN
SHOWN MW

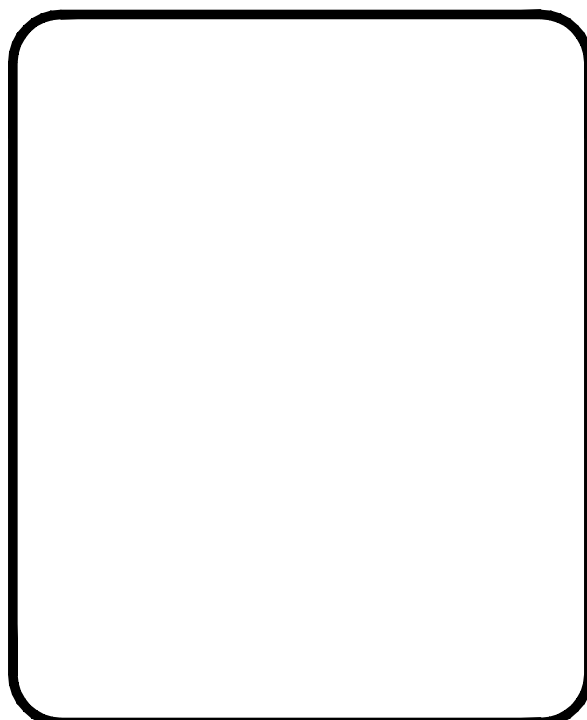
SHEET

A-3

OF SHEETS



| REVISIONS | | |
|-----------|----------------|------------|
| 1 | RED TAG REPAIR | 10-15-2024 |
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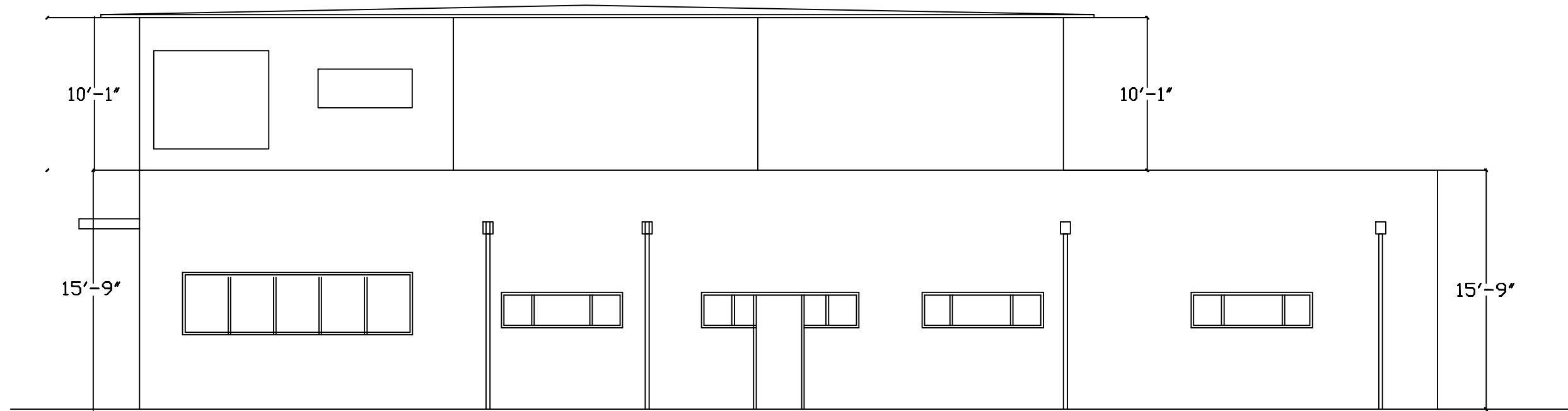


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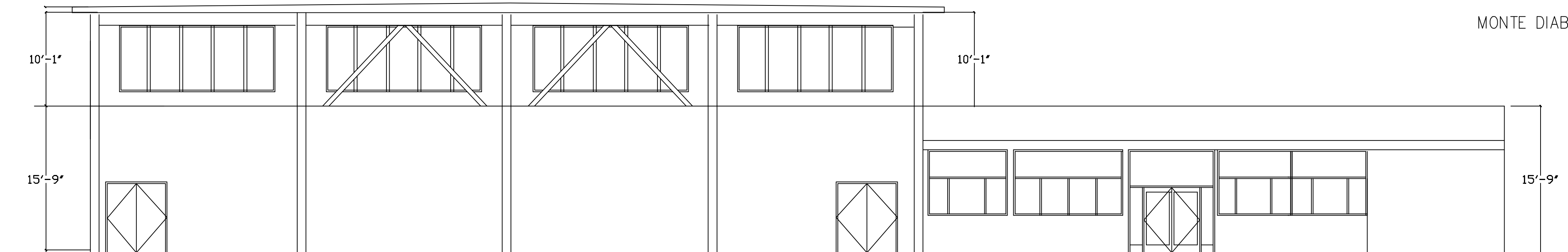


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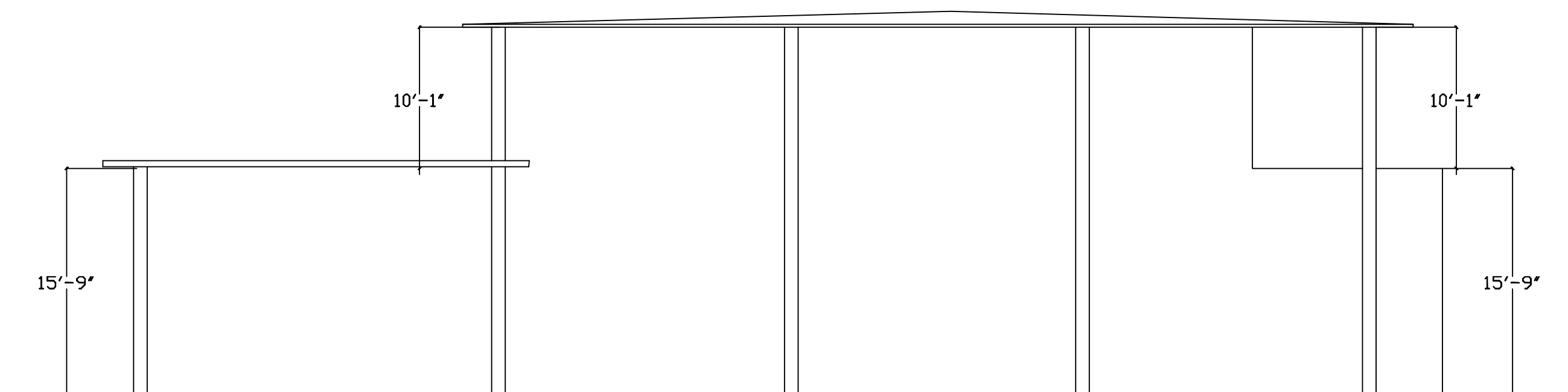
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|-------------------|------------------------|
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| SCALE SHOWN | DRAWN MW |
| SHEET A-4 | |
| OF SHEETS | |



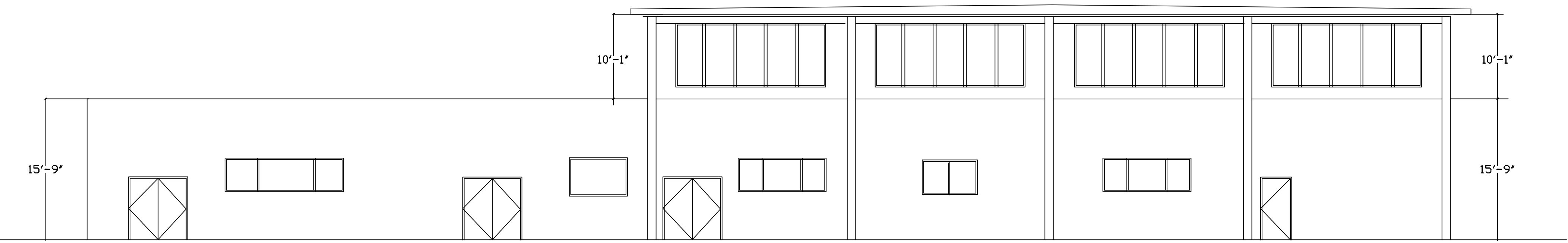
LUNCH/BREAKRM.



WEST ELEVATION



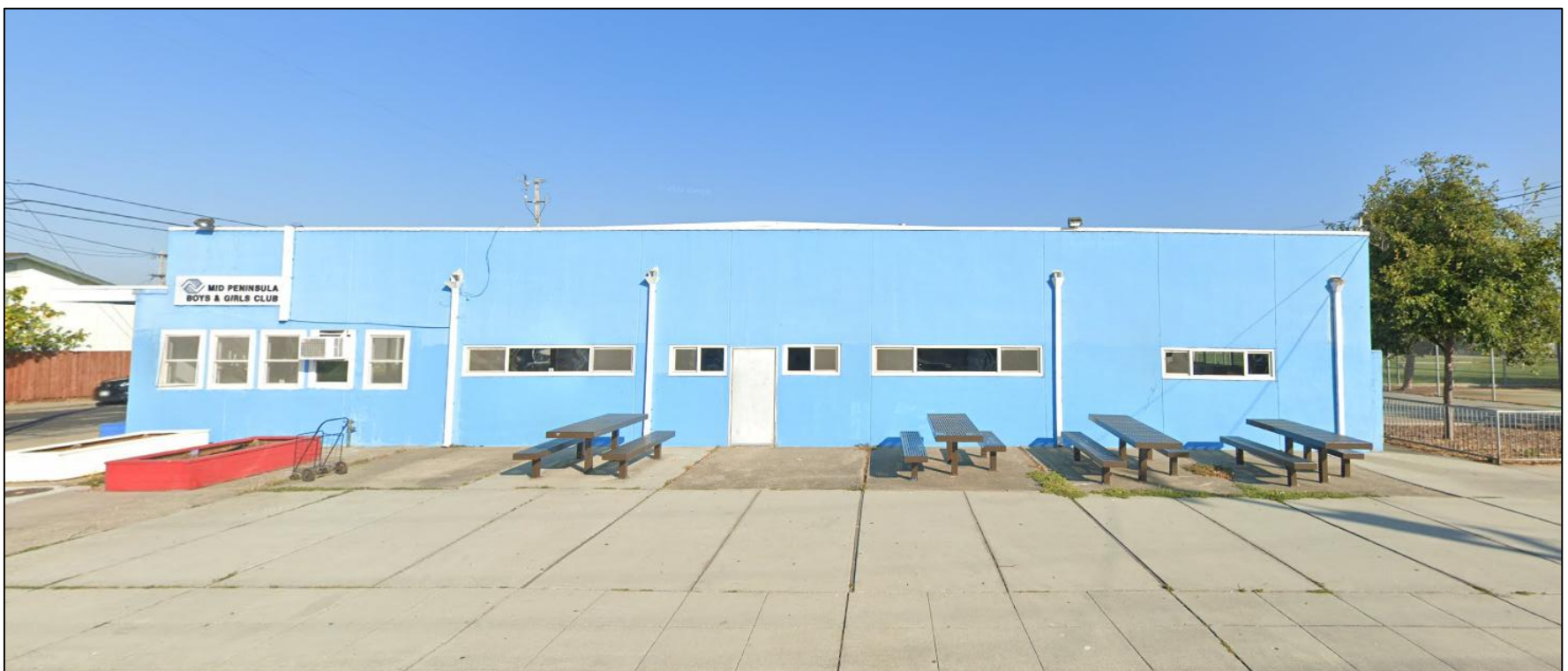
NORTH



EAST ELEVATION



NORTH QUEBEC STREET VIEW



MONTE DIABLO AVENUE VIEW

REVISIONS

| NO. | CITY COMMENTS | DATE |
|-----|---------------|------------|
| 1 | | 10-15-2024 |
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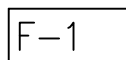
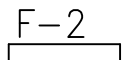
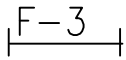
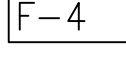
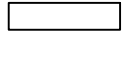




DATE
1-15-2024
SCALE
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










PROJECT NO.
45.3252
DRAWN
MW

A-5
























OF SHEETS

















LEGEND:

| | |
|--|--|
|  | RECESSED 2'X4' LED 2 LAMP LIGHT FIXTURE (36W) LITHONIA OR EQUAL |
|  | SURFACE 2'X4' LED 2 LAMP LIGHT FIXTURE (34W) LITHONIA OR EQUAL |
|  | SURFACE EXPOSED TUBE LED 1 LAMP LIGHT FIXTURE(16W) |
|  | RECESSED 2'X4' LED 4 LAMP LIGHT FIXTURE (72W) LITHONIA OR EQUAL |
|  | SURFACE 1'X4' LED 1 LAMP LIGHT FIXTURE (16W) LITHONIA OR EQUAL |
|  | (E) FLUORESCENT FIXTURES TO BE REMOVED |
|  | (E) OR (N) LED EXIT SIGN |
|  | EXHAUST FAN |
| MS | MOTION SENSOR |
| PS | PHOTO SENSOR |
|  | J BOX |

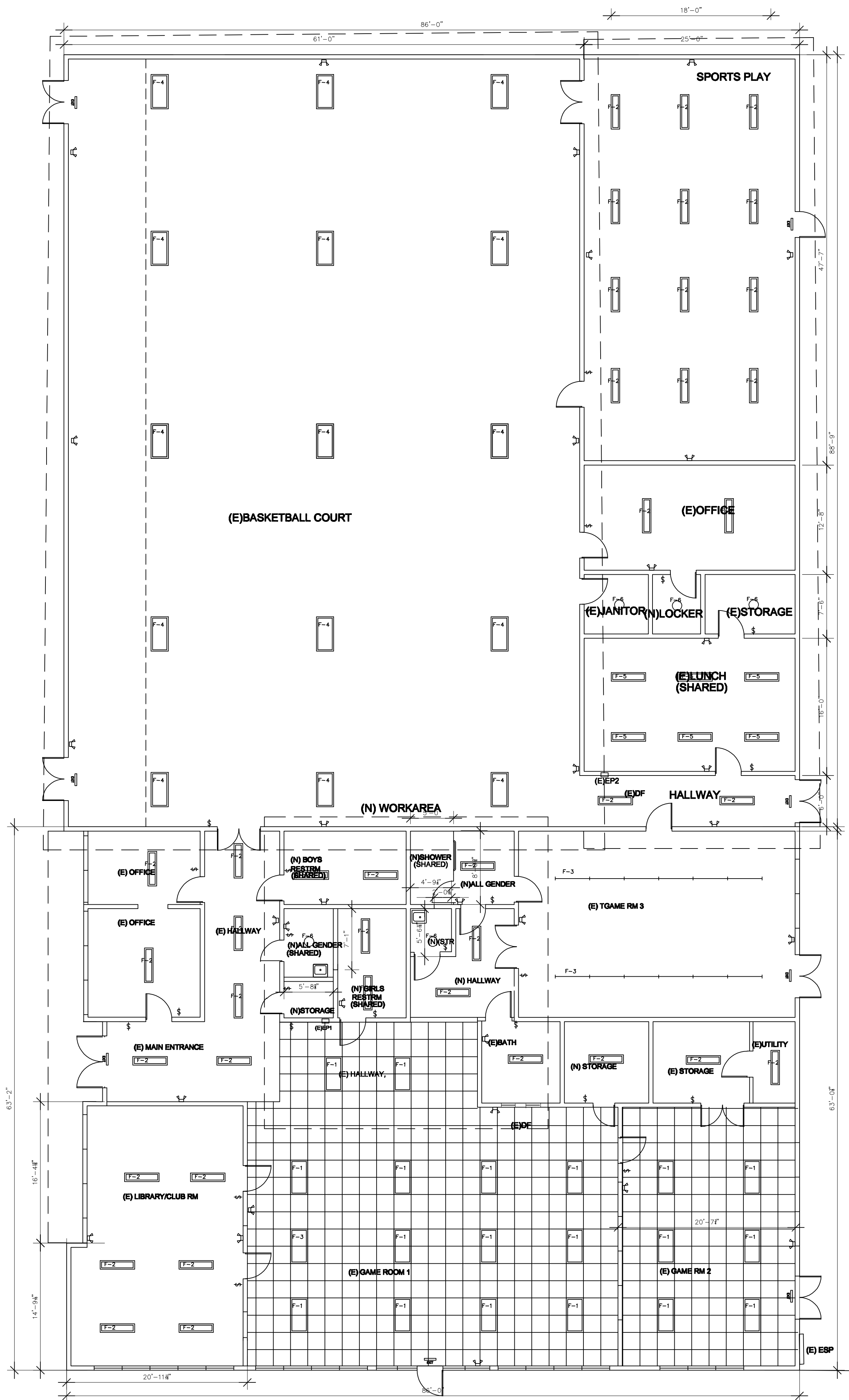
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|---|-------------------------------|
|  | DISCONNECT |
|  | MODEM |
|  | DUPLEX CONVENIENT OUTLET |
|  | TELEPHONE JACK |
|  | WALL SWITCH WITH DIMMER |
|  | (E)ELECTCAL PANEL |
|  | BATTERY PACK EMERGENCY LIGHTS |
| (N) | NEW |
| (E) | EXISTING |
|  | THERMOSTAT |
|  | BI-PASS SWITCH |
|  | FIRE ALARM |
|  | FIRE ALARM PULL STATION |

SYMBOLS LIST

| | |
|---|---|
|  | FLUORESCENT FIXTURE, RECESSED IN CEILING. |
|  | FLUORESCENT FIXTURE, SURFACE MOUNTED. |
|  | FLUORESCENT FIXTURE, WALL MOUNTED. |
|  | FLUORESCENT STRIP FIXTURE, CHAIN HUNG. |
|  | FLUORESCENT STRIP FIXTURE, SURFACE MOUNTED. |
|  | FLUORESCENT STRIP FIXTURE, SURFACE MOUNTED WITH BACKUP. PROVIDE A BATTERY-BACKED POWER. |
|  | INCANDESCENT OR H.I.D. FIXTURE, RECESSED IN CEILING. |
|  | INCANDESCENT OR H.I.D. FIXTURE, SURFACE OR PENDANT MOUNTED. |
|  | EXIT FIXTURE, CEILING OR WALL MOUNTED. |
|  | EMERGENCY LIGHT FIXTURE, MOUNTED 1 FOOT BELOW CEILING, TYPICAL UON. |
|  | SHADING OF ANY FIXTURE INDICATES EMERGENCY LIGHTING. PROVIDE BATTERY BACKUP AND CONNECT TO UNSWITCHED CIRCUIT. |
|  | PANEL, SURFACE OR FLUSH MOUNTED. |
|  | MOTOR. |
|  | JUNCTION BOX, MOUNTED ABOVE ACCESSIBLE CEILING. |
|  | JUNCTION BOX, WALL MOUNTED. |
|  | DUPLEX CONVENIENCE OUTLET, WALL MOUNTED, +18" UON. |
|  | DOUBLE DUPLEX CONVENIENCE OUTLET, WALL MOUNTED, +18" UON. |
|  | DUPLEX WEATHERPROOF CONVENIENCE OUTLET MOUNTED ON ROOF. |
|  | DEDICATED CIRCUIT DUPLEX CONVENIENCE OUTLET, WALL MOUNTED, +18" UON. |
|  | TELEPHONE OUTLET, WALL MOUNTED, +18" AFF. UON. |
|  | DUCT SMOKE DETECTOR. |
|  | SENTRY SWITCH, +46" UON. |
| S | SINGLE POLE TOGGLE SWITCH, +46" UON. |
| S ₂ | DOUBLE POLE TOGGLE SWITCH, +46" UON. |
| S ₃ | THREE-WAY TOGGLE SWITCH, +46" UON. |
| S ₀ | DIMMER SWITCH, +46" UON. |
| S ₁ | MOTOR RATED SWITCH WITH THERMAL OVERLOAD ELEMENT, +46" AFF. |
|  | CIRCUIT BREAKER. |
| | CIRCUIT BREAKER RATING: |
| 225 | TRIP RATING. |
| 400 | FRAME SIZE. |
| | CURRENT TRANSFORMER. |
| | TRANSFORMER. |
| | CONNECTION TO GROUND. |
| | GROUND BUS. |
| | METER. |

| | |
|---|---|
|  | CONDUIT RUN EXPOSED ON WALL OR CEILING. |
|  | CONDUIT RUN CONCEALED IN SLAB, UNDERSLAB OR UNDERGROUND. |
|  | CONDUIT RUN CONCEALED IN WALL OR CEILING. |
|  | CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET. PROVIDE JUNCTION BOX AS REQUIRED. |
|  | FLEXIBLE METALLIC CONDUIT. |
|  | CONDUIT TURN UP. |
|  | CONDUIT TURN DOWN. |
|  | CONDUIT OR DUCT STUB, MARK THE EXACT LOCATION ON THE AS-BUILT DRAWINGS. |
|  | CONDUIT AND WIRE: CROSSMARKS INDICATE THE QUANTITY OF CONDUCTORS. NUMBER ADJACENT TO CROSSMARKS INDICATES WIRE SIZE. NEUTRAL SHALL BE #10 WHERE SHARED BY PHASE CONDUCTORS. WIRE MARKS ARE SHOWN ONLY FOR "HOMERUNS" AND WHERE CONSIDERED NECESSARY TO CLARIFY CIRCUITRY OR CONTROL. NO WIRE MARKS INDICATE 2#12, 1#12GROUND. GROUND WIRE: NUMBER ADJACENT TO CROSSMARKS INDICATES WIRE SIZE. NO NUMBER INDICATES #12 WIRE. |
|  | EQUIPMENT CONNECTION. PROVIDE FLEX CONDUIT, WIRE, FITTINGS AND WIRE TERMINATIONS. |
|  | DUPLEX WATERPROOF CONVENIENCE OUTLET MOUNTED ON FLOOR. |
|  | SHEET NUMBER. |
|  | DETAIL DESIGNATION. |
|  | FIXTURE IDENTIFICATION TAG: |
|  | FIXTURE TYPE. |
|  | QUANTITY. (FOR FIXTURE IDENTIFICATION ONLY, NOT FOR PROJECT COSTING.) |
|  | SAFETY DISCONNECT, 3-POLE, WALL MOUNTED, +54" UON. |
| A: | 30A, NON-FUSED. |
| B: | 60A, NON-FUSED. |
| C: | 100A, NON-FUSED. |
| D: | 200A, NON-FUSED. |
| E: | 400A, NON-FUSED. |
| AF: | 30A, FUSED. |
| BF: | 60A, FUSED. |
| CF: | 100A, FUSED. |
| DF: | 200A, FUSED. |
| EF: | 400A, FUSED. |
|  | COMBINATION STARTER, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. NUMBER INDICATES NEMA SIZE. |
| | PACKAGE CONTROLLER, FURNISHED AND INSTALLED BY OTHERS BUT CONNECTED BY ELECTRICAL. |
| | NUMBERED SHEET NOTE: APPLIES TO DRAWING CONTAINING NOTE ONLY. |
| | HVAC EQUIPMENT IDENTIFICATION TAG. |

△ SCOPE OF RED TAG REPAIR WORK:
ALL REPAIR AND NEW WORK TO CONFORM TO 2022 CBC, CEC,
CMC, CPC AND CFC.
3) REMOVE EXISTING LIGHT FIXTURES AND INSTALL NEW LED
LIGHTING FIXTURES WITH NEW MOTION SENSORS, DIMMER
SWITCHES AS PER 2022 CEC (SEE SHEET E-2 & A-3)



REVISIONS

| REVISIONS | CITY COMMENTS | 10-15-2024 |
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| SCALE 1/8" | DRAWN MW |
| SHEET | |

E-2

OF SHEETS

| GENERAL LEGEND | | |
|----------------|---------------------------------|--|
| | 12" x 4" x 400 | DIFFUSER SIZE - THROW PATTERN - CFM AIR QUANTITY |
| | | EXHAUST GRILLE |
| | | RETURN GRILLE |
| | | SLOT DIFFUSER |
| | | ROOM T-STAT |
| | | ZONE OR UNIT # |
| | | MANUAL VOLUME DAMPER |
| | | FIRE/SMOKE DAMPER W/ DUCT ACCESS DOOR |
| | | MOTORIZED DAMPER |
| | | EQUIPMENT SYMBOL |
| | 3/4" BY OTHERS | U.C. UNDER CUT DOOR 3/4" BY OTHERS |
| | 1.0 FT² FREE AREA UON-BY OTHERS | D.L. DOOR LOUVER 1.0 FT² FREE AREA UON-BY OTHERS |
| | BY E.C. | APPROX. LOCATION OF ELEC. CONN. BY E.C. |
| | BY P.C. | APPROX. LOCATION OF DRAIN CONN. BY P.C. |
| | BY P.C. | APPROX. LOCATION OF GAS CONN. BY P.C. |
| | | ACCESS DOOR |
| | | BREAK HORSE POWER |
| | | BOTTOM OF DUCT (NOT INCL. 2" FLNG ON RECT. DUCT) |
| | | CUBIC FEET / MINUTE |
| | | CONDENSER WATER PUMP |
| | | CONDENSER WATER RETURN, CONDENSER WATER SUPPLY |
| | | EXISTING |
| | | ELECTRICAL CONTRACTOR |
| | | ENTERING WATER TEMP, LEAVING WATER TEMP |
| | | FAN COIL |
| | | FULL LOAD AMPS. |
| | | GENERAL CONTRACTOR |
| | | GALLONS PER MINUTE |
| | | HORSEPOWER |
| | | 1000 BTU/HR |
| | | MINIMUM CIRCUIT AMPS. |
| | | NORMALLY CLOSED, NORMALLY OPEN, COMMON |
| | | OUTSIDE AIR |
| | | PLUMBING CONTRACTOR |
| | | RETURN AIR, SUPPLY AIR |
| | | SENSIBLE CAPACITY, TOTAL CAPACITY |
| | | STATIC PRESSURE, EXTERNAL STATIC PRESSURE |
| | | UNLESS OTHERWISE NOTED |
| | | VARIABLE AIR VOLUME |
| | | WATER COLUMN |

FRESH AIR INTAKE
EXISTING FRESH AIR INTAKE UNIT1: 6250x.3=1875 CFM
EXISTING FRESH AIR INTAKE UNIT2: 2000x.3= 600 CFM
TOTAL EXISTING FRESH AIR INTAKE UNITS 1 & 2: 2476 CFM
Rd: REQUIRED FRESH AIR INTAKE AT CLASSROOMS: 114X15=1710 CFM
A2: REQUIRED FRESH AIR INTAKE AT CLASSROOMS: 2270X0.38=863 CFM
Mg: REQUIRED FRESH AIR INTAKE AT GROUP FUNCTION: 1616X0.5=808 CFM
OTHERS: REQUIRED FRESH AIR INTAKE AT ALL OTHERS: 1440X0.15=216 CFM
V2=1584 < 2476 OK V2=1710 < 2476 OK

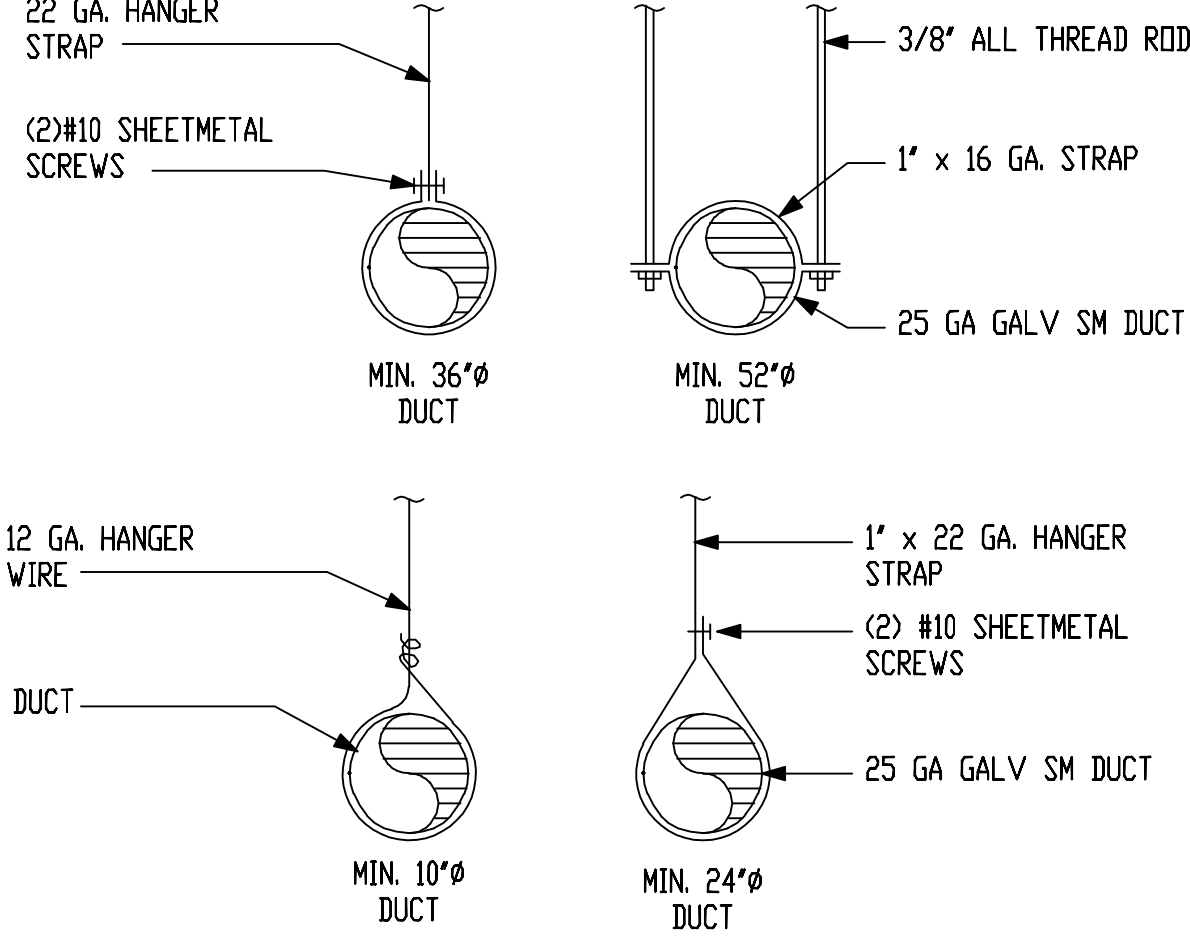
| (E) AC UNIT SCHEDULE | | | | | | | | | | | | | | | |
|----------------------|----------|-----------|------------------|------|----------------|------------------|-----|----------|-----------|------|-------------------|------|-----|------|----------------|
| MARK | LOCATION | SERVES | MFR/MODEL | TON | SUPPLY AIR CFM | FRESH AIR INTAKE | SP | MOTOR HP | VOLTAGE | FLA | HEATING INPUT BTU | EER | FA | WT | REMARKS |
| (E)AC-1 | ROOF | ALL ROOMS | CARRIER/48HC-D14 | 12.5 | 6250 | 1875 | 1.2 | 7 | 460/3P/60 | 38 | 102,000 | 12.2 | 600 | 1200 | SMOKE DETECTOR |
| (E)AC-2 | ROOF | ALL ROOMS | BRYANT/R4A480KB | 5 | 2000 | 600 | 1.2 | 3 | 208/3P/60 | 27.5 | 60,000 | 14.0 | — | 197 | |
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| EXHAUST FAN EQUIPMENT SCHEDULE | | | | | | | | | | | | | | | | |
|--------------------------------|-----------|---------|----------|----------|-----|------------|----------|-------|-------|-----|------|------|-----------|------|------------|-------------|
| UNIT MARK | MFR | MODEL | LOCATION | SERVES | CFM | TSP IN. WG | FAN TYPE | DISCH | DRIVE | RPM | SP | HP | MAX. WATT | AMPS | VOLT. | OPER WT LBS |
| (E)EF | GREENHECK | SP-B110 | ROOF | RESTROOM | 100 | .375 | STD | - | - | 950 | .25" | 1/12 | 140 | 1.14 | 120V-1P 60 | 10 |
| (N)EF | GREENHECK | SP-B110 | ROOF | RESTROOM | 100 | .375 | STD | - | - | 950 | .25" | 1/12 | 140 | 1.14 | 120V-1P 60 | 10 |

- ### GENERAL NOTES
- ALL DUCTWORK TO BE INSTALLED IN ACCORDANCE WITH STANDARD PRACTICES, LOCAL CODES, SMACNA STANDARDS, 2022 TITLE 24.1 AND PER 2022 CMC. MINIMUM 26 GA GALV RIGID SPIRAL DUCTS, DUCT SIZES SHOWN ARE OUTSIDE DIMENSIONS.
 - SEAL DUCTWORK PER SMACNA SEAL CLASS C.
 - PROVIDE THERMAL INSULATION AS REQUIRED FOR DUCT SYSTEMS PER 2022 TITLE 24, CALIFORNIA STATE ENERGY CONSERVATION STANDARDS, AND PER 2022 CMC. INSULATION OF DUCTS TO BE MINIMUM THICKNESS OF 1" AND MINIMUM OF 3/4 LBS DENSITY FIBERGLASS. DUCT LINING TO BE 1" INDOORS AND 1 1/2" OUTDOORS, 1 1/2 LBS DENSITY FIBERGLASS.
 - ALL EXPOSED TO THE WEATHER DUCTWORK TO BE LINED WITH 1-1/2" THICK DUCT LINER AND MINIMUM 10'-0" FROM THE EQUIPMENT CONNECTION HARDCAST ALL JOINTS FOR WATERTIGHT INSTALLATION
 - SUPPORT ALL DUCTWORK PER CODE AND/OR SMACNA REQUIREMENTS
 - INSULATION TO BE DUCT WRAP WITH ALUMINUM FOIL BACK 1-1/2" THICK FOR ALL SUPPLY AND RETURN AIR DUCTWORK IN CONCEALED AREAS
 - ALL LONGITUDINAL AND TRAVERSE DUCT JOINTS, PLENUM AND FITTINGS TO BE SEALED WITH HARD CAST SEALANT TO PREVENT AIR LOSS, NO TAPE OR SILICON SEALANT ARE ALLOWED
 - PROVIDE MANUAL VOLUME DAMPERS AS REQUIRED TO ALL DUCTWORK BRANCHES FOR BALANCING AND TESTING
 - DUCT ACCESS DOORS TO BE PROVIDED AT ALL FIRE/SMOKE DAMPERS BY MECHANICAL CONTRACTOR. CEILING ACCESS PANELS TO BE PROVIDED AS REQUIRED BY MECHANICAL CONTRACTOR.
 - FINAL CONNECTION T AIR OUTLETS TO BE INSULATED WIRED FLEX DUCT AT MAXIMUM OF 5'-0" LONG. SECURE ALL CEILING AIR OUTLETS PER SEISMIC CODE REQUIREMENTS
 - PROVIDE FIRE SUPPRESSION SYSTEM (ANSUL OR EQUAL) FOR KITCHEN EXHAUST HOODS. THESE SYSTEMS TO BE INSTALLED BY THE QUALIFIED AND LICENSED CONTRACTOR, SUBMIT ALL DESIGN DRAWINGS AND SPECIFICATIONS TO CITY FIRE DEPARTMENT FOR APPROVAL AND PERMITS
 - START UP ALL HVAC EQUIPMENT AND PROVIDE FOUR COPIES OF BALANCING REPORT TO THE ARCHITECT, THE TEST AND BALANCING CONTRACTOR TO BE QUALIFIED AND AT LEAST FIVE YEARS IN BUSINESS ALL WORK TO BE IN CONFORMANCE WITH AABC STANDARDS
 - ALL STRUCTURAL FRAMING AND REINFORCEMENTS TO BE BY THE GENERAL CONTRACTOR
 - ALL OPENIGS THROUGH ROOF AND WALL, FRAMING ,PATCHING, CUTTING LEVELING AND PAINTING TO BE BY GENERAL CONTRACTOR
 - CONDENSATE DRAIN AND GAS PIPING FOR AC UNITS TO BE BY PLUMBING CONTRACTOR
 - ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR ALL ELECTRICAL POWER WIRING AND CONDUITS FOR HVAC EQUIPMENTS AND CONDUITS FOR THERMOSTATS (WIRING AND HOOK-UP THERMOSTATS TO BE BY MECHANICAL CONTRACTOR

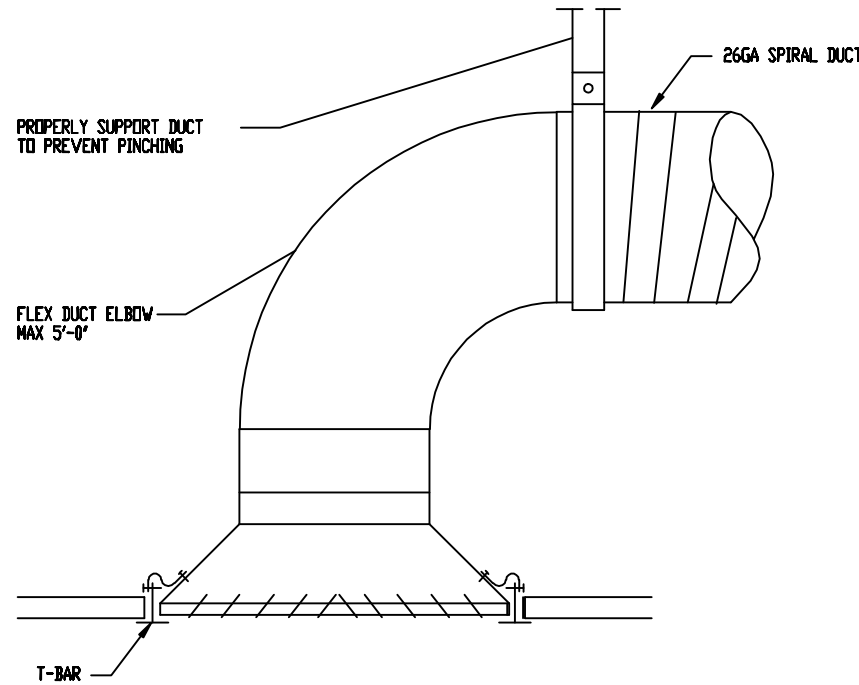
LEGEND:

- SUPPLY REGISTER
- RETURN REGISTER
- EXHAUST FAN
- INSULATED SUPPLY DUCT
- INSULATED RETURN DUCT
- (E) LED EXIT SIGN W/EMERGENCY LIGHTS
- EXHAUST FAN
- WALL SWITCH
- DISCONNECT
- (E) EXISTING TO REMAIN
- (ER) EXISTING TO BE REMOVED OR RELOATED
- (N) NEW
- (NL) NIGHT LIGHT
- EMERGENCY LIGHT
- MANUAL VOLUME DAMPER
- T THERMOSTAT
- B BI-PASS SWITCH

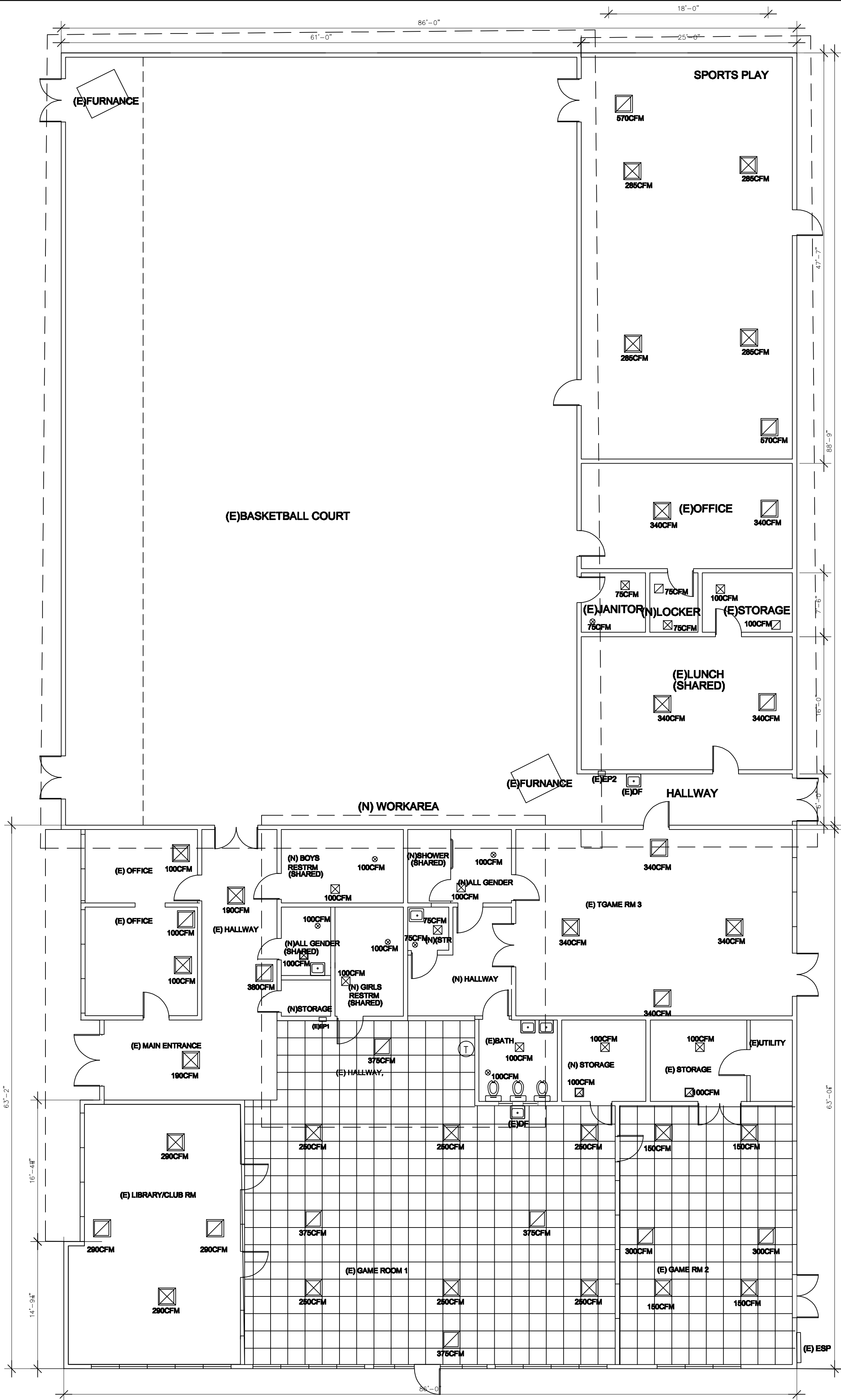


NOTE:
HANGERS MUST NOT DEFORM DUCT SHAPES.
SEE SMACNA CONSTRUCTION STANDARDS TABLE 4-2 FOR MINIMUM SUPPORT SIZES.

B ROUND DUCT HANGING DETAIL



A CEILING DIFFUSER DETAIL
SCALE: NONE



VENTILATION AIR SUPPLY REQUIREMENTS PER CMC 2022 TABLE 402.1 AND AS REQUIRED BY CALIFORNIA ENERGY CODE

SCOPE OF RED TAG REPAIR WORK:
ALL REPAIR AND NEW WORK TO CONFORM TO 2022 CBC, CEC, CMC, CPC AND CFC.
5) CHECK FURNACES FOR REQUIRED CFM PER 2022 CMC (SEE SHEET M-1)

| REVISIONS | | |
|-----------|---------------|------------|
| 1 | CITY COMMENTS | 10-15-2024 |
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CITISTAR SPORTS
LEARNING CENTER
200 N QUEBEC STREET
SAN MATEO, CA 94401



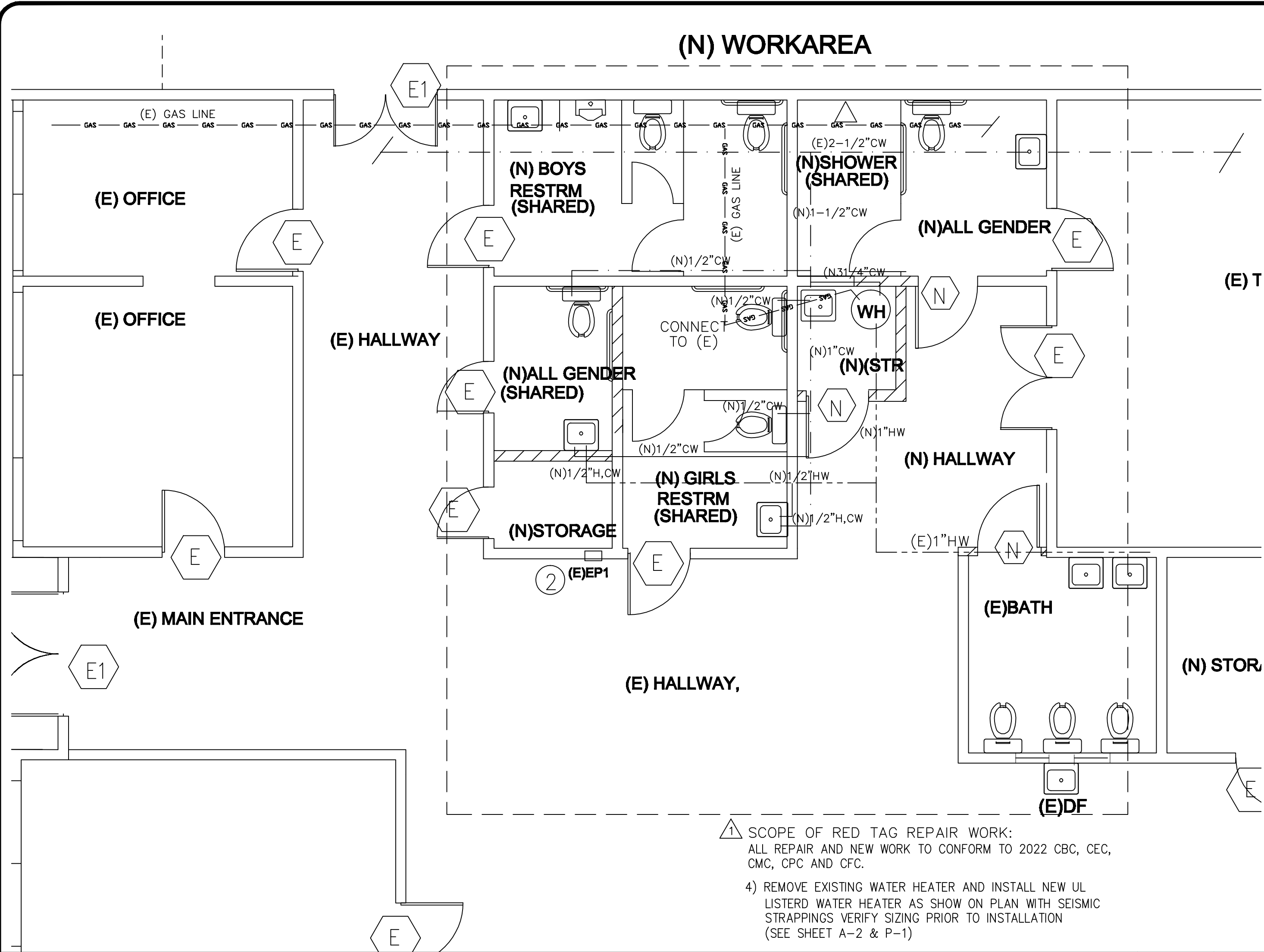
LRS ASSOCIATES
DESIGN AND PLANNING

2059 CAMDEN AVENUE , STE 303
SAN JOSE , CA 95124 (408) 691-5038
Lrs888@sbglobal.net

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|-------------------|------------------------|
| DATE 1-15-2024 | PROJECT NO. 45.3252 |
| SCALE SHOWN | DRAWN MW |
| SHEET | |

M-1

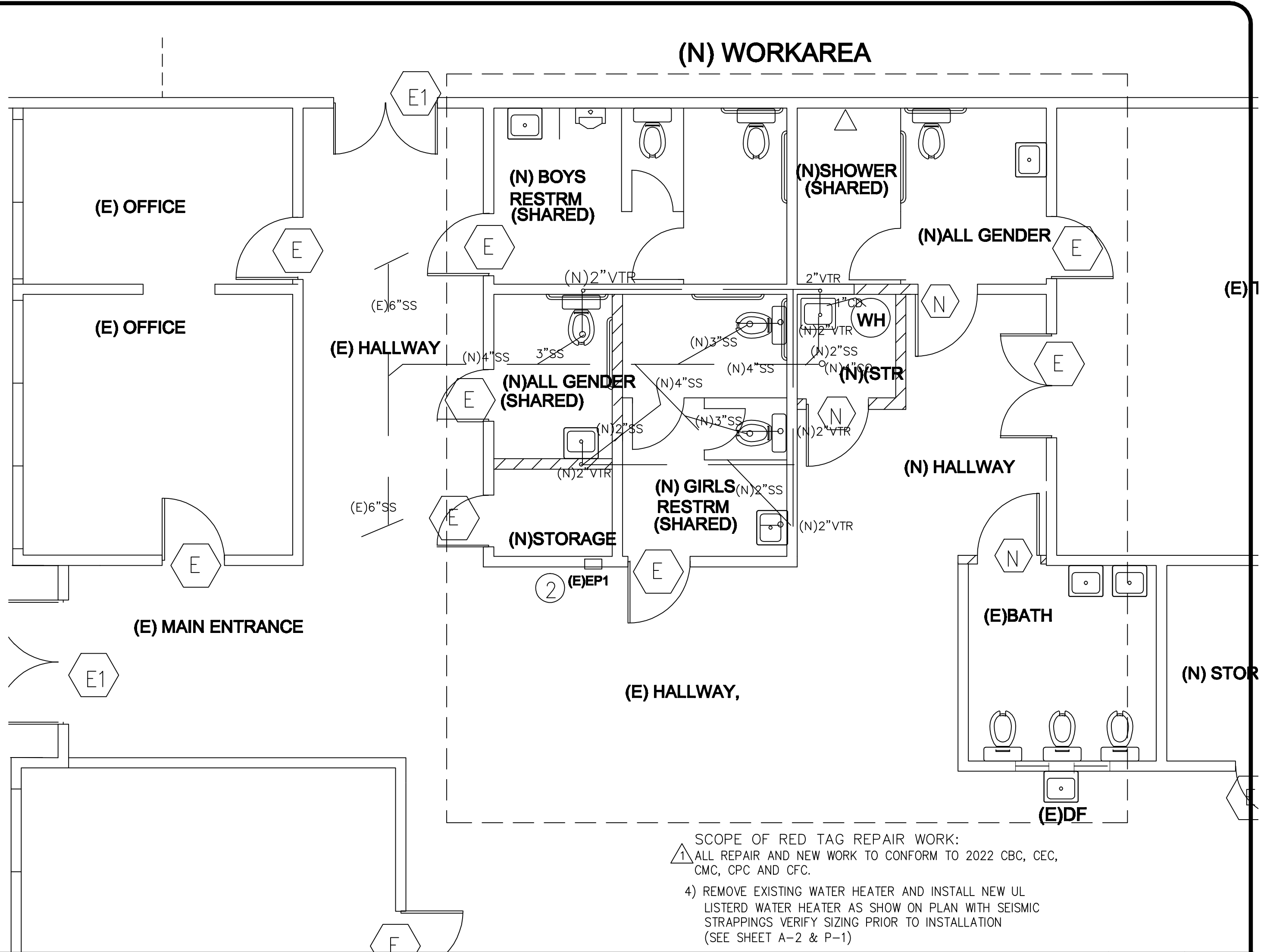
OF SHEETS



PARTIAL WATER & GAS PLAN

1/4"

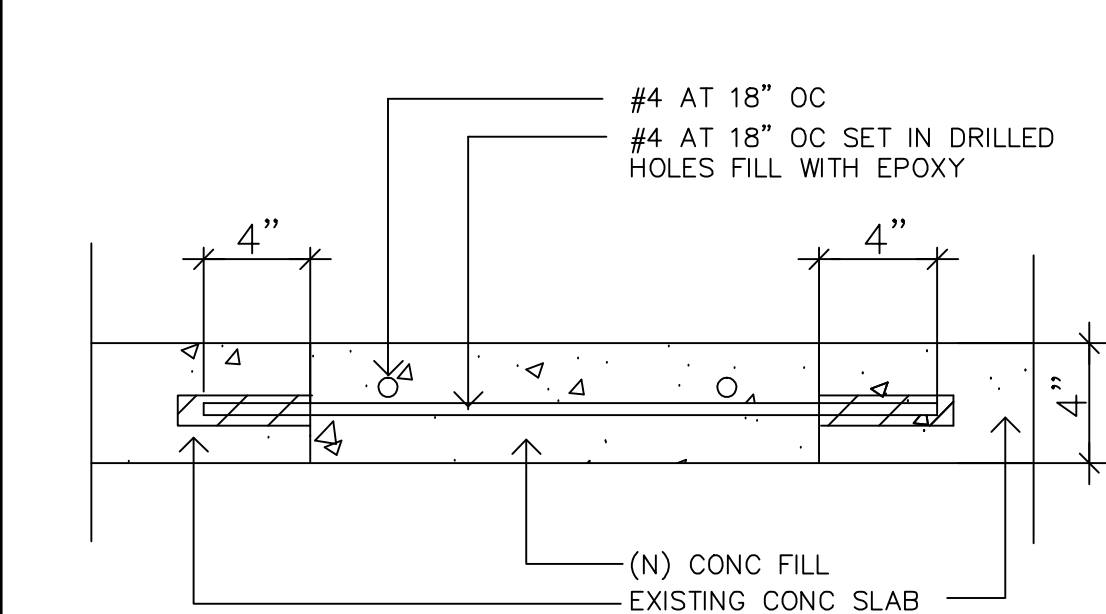
2



PARTIAL SEWER PLAN

1/4"

1



(A) CONCRETE SLAB DETAIL

PIPING MATERIALS

WASTE: BELOW SLAB - ABS SCHEDULE 40 PIPE AND FITTINGS
ABOVE SLAB - ABS SCHEDULE 40 PIPE AND FITTINGS.
VENT: ABS PIPE AND FITTINGS.
OR COPPER "DWV" PIPE AND FITTINGS.
RWL: ABS PIPE AND FITTINGS.
OFD: ABS PIPE AND FITTINGS.
WATER: TYPE "L" COPPER PIPE AND FITTINGS.
GAS: SCH. 40 GALV. PIPE AND FITTINGS.
COND. DRAIN: TYPE "M" COPPER PIPE AND FITTINGS.
OR COPPER "DWV" PIPE AND FITTINGS.

PLUMBING FIXTURE SCHEDULE:

W-CI V-CI CW-M CU HW-M CU
WC F-1 3" 2" 1-1/2"

LAV F-2 2" 1-1/2" 1/2" 1/2"

UR F-1 2" 1-1/2" 1"

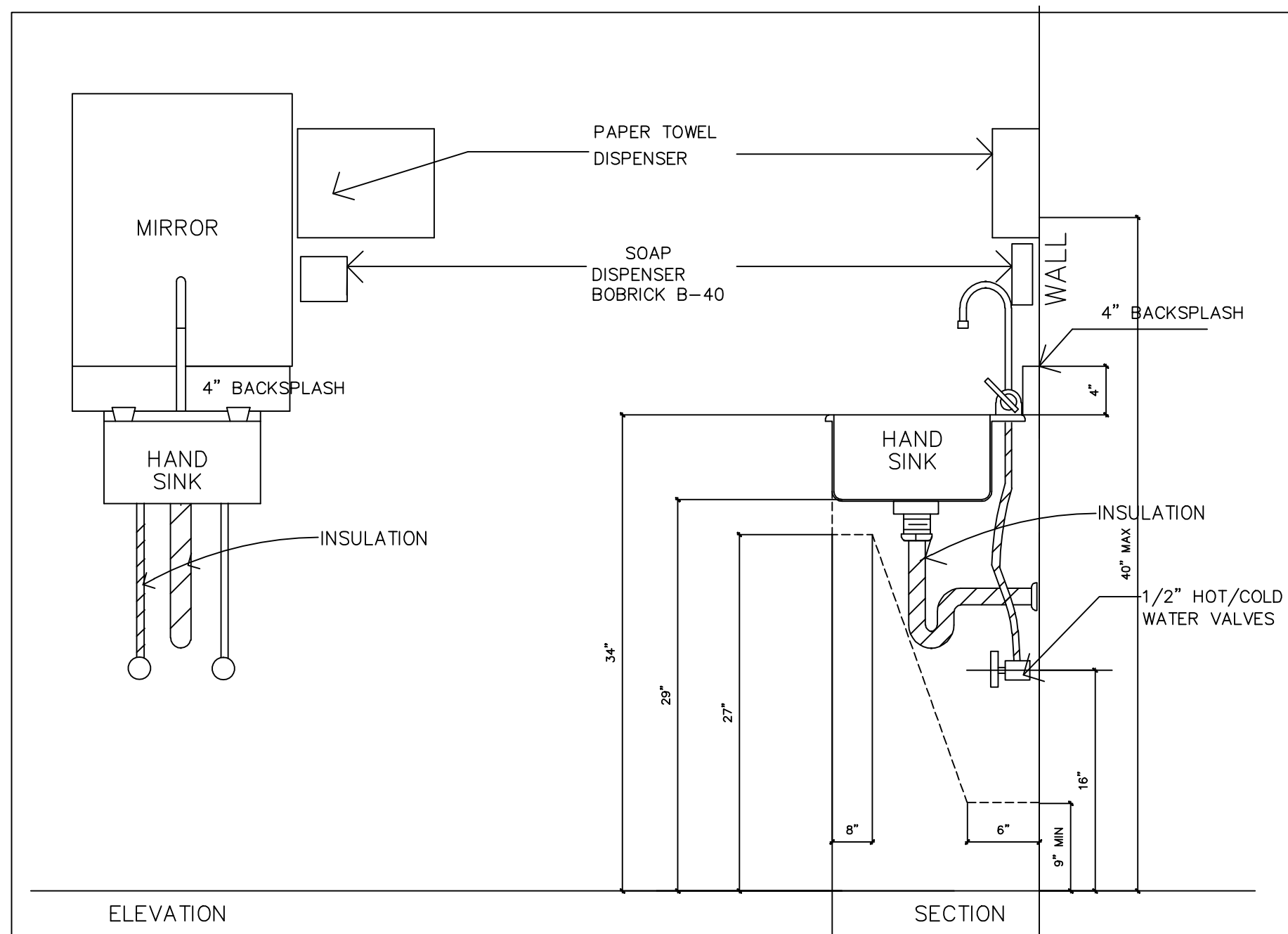
FD 2" 1-1/2"

FCO LINE SIZE

WCO LINE SIZE

IWH - - 1/2" 1/2"

AMERICAN STANDARD 2305.100 MADERA VITREOUS CHINA, ROUND FRONT SIPHON ACTION BOWL, TANK TYPE, FLOOR MOUNTED 1.28 GAL FLUSH, OLSONITE #95 OPEN FRONT SEAT
AMERICAN STANDARD 0355.012 VITREOUS CHINA, LUCERNE 4"CENTERS, DOUBLE DELTA 501-WFHGMHDF LEVER HANDLE FAUCET, P TRAP CHROME PLATED, ZURN Z-1231 SUPPORT
AMERICAN STANDARDS 6541.132 ALLBROOK VITREOUS CHINA SLOAN ROYAL 186-1 FLUSH VALVE
ZURN, ZN-415-P 6" DIA FLOOR DRAIN, TYPE B STRAINER WITH TRAP PRIMER
ZURN, ZN-1400
ZURN, ZN-1441
ARISTON GL45 INSTANT WATER HEATER 19 GAL 120V 4A 1500W



(B) HAND SINK ADA STANDARDS

PLUMBING FIXTURE CALCULATIONS(PER 2022 CPC)
EXERCISE, TRAINING: 5856/50=117 OCCUPANTS
GROUP FUNCTION: 1965/50=40 OCCUPANTS
DAYCARE: 1130/35=32 OCCUPANTS

TOTAL OCCUPANT LOAD: 160 (80 MALE, 80 FEMALE)

MODIFIED RESTROOMS COMPLIED AS NOTED BELOW
2WC, 1U, 2LAV + 1ALL GENDER > 80 MALE COMPLIED
2WC, 2LAV + 1ALL GENDER > 80 FEMALE COMPLIED
3WC, 2LAV > 32 DAYCARE COMPLIED

PLUMBING NOTES:

- All plumbing fixture connected to the grease trap shall be provided with an approved flow control device in the tail piece or drain outlet for the fixture. 2022 C.P.C.
- Pressure temperature relief valves shall terminate outside of the building to within 6 to 24 inches of the ground. 2022 C.P.C.
- Water heaters shall be secured to resist earthquakes. One at upper one-third and one at lower one-third of vertical dimension with the lower strap being a minimum distance of 4 inches above the controls. 2022 C.P.C.
- Provide cleanouts for all horizontal branch lines that exceed 5 feet in length per 2022 C.P.C.
- Any spray hose over compartmented sink shall protect potable water supply by a listed non-removable hose bibb type backflow preventer or by a listed atmospheric vacuum breaker installed at least six inches above the highest point of usage located on the discharge side of the last valve. 2022 C.P.C.
- Waste in excess of 140 degrees F shall not be discharged into the grease trap Per 2022 C.P.C.
- Food disposal and dishwashers are prohibited to discharge into any grease trap per 2022 C.B.C.
- WATER CLOSETS IS 1.6 GALLONS PER FLUSH. 2022 CPC
- PROVIDE PRESSURE ABSORBING DEVICES SUCH AS CHAMBER OR APPROVED MECHANICAL DEVICES THAT WILL ABSORB HIGH PRESSURES RESULTING FROM THE QUICK CLOSING OR QUICK-ACTING VALVES. 2022 CPC
- VENT TO ROOF PVC PIPING EXPOSED TO SUNLIGHT SHALL BE PROTECTED BY WATER BASE SYNTHETIC LATEX PAINT.
- SLEEVES SHALL BE PROVIDED TO PROTECT ALL PIPING THROUGH CONCRETE OR MASONRY EXTERIOR BEARING WALL. 2022 CPC
- TYPE M COPPER TUBING MAY NOT BE USED FOR WATER PIPING UNDERGROUND INSIDE THE BUILDING. GALVANIZED WROUGHT IRON OR STEEL PIES ARE NOT ALLOWED UNDERGROUND AND SHALL BE KEPT AT LEAST 6" ABOVE GROUND. 2022 CPC

PLUMBING NOTES:

- EACH FIXTURE TO HAVE ITS OWN VENT 2022 CPC
- PROVIDE CLEANOUTS AT :
 - EACH 100 FEET OR FRACTION THERE OF
 - AT KITCHEN SINKS
 - AT HORIZONTAL DRAIN LINE 5 FEET OR LONGER
 - AT DRAINAGE LINE FOR EACH AGGREGATE
 - HORIZONTAL CHANGE OF DIRECTION EXCEEDING 135 DEGREE
- MIN. SLOPE FOR DRAIN IS 1/4" PER 12"
- WATER HEATER
 - A WATER TIGHT PAN OR CORROSION RESISTANT MATERIALS SHALL BE INSTALLED BENEATH THE WATER HEATER WITH A MINIMUM THREE-QUARTER INCH DIAMETER DRAIN TO AN APPROVED LOCATION. 2022 CPC
 - P & T VALVE SHALL TERMINATE OUTSIDE OF THE BUILDING. PROVIDE THERMAL EXPANSION CONTROL
 - PROVIDE SEISMIC RESTRAIN (TOP AND BOTTOM)

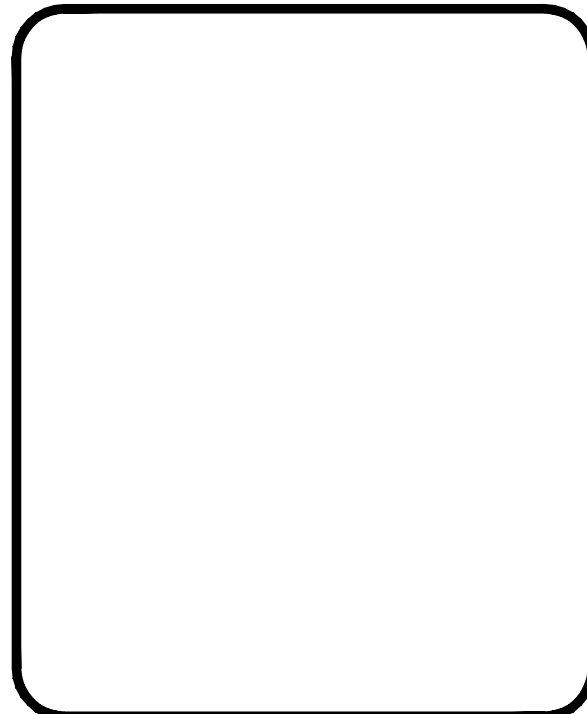
WATER PIPING SIZING TABLE

| PRESSURE AVAILABLE FRICTION LOSSES PER 100 FT OF BUILDING PIPING | | | | 14.5 |
|--|------|---------------|---------------------------|----------|
| CW P PIPE SIZING TABLE | | | | |
| SIZE | GPM | FIXTURE UNITS | FLUSH VALVE FIXTURE UNITS | VELOCITY |
| 1/2" | 3.1 | 3 | - | 4.3 |
| 3/4" | 8.4 | 10.00 | - | 5.7 |
| 1" | 17.0 | 24.0 | - | 6.8 |
| 1-1/4" | 29.0 | 51.0 | 12 | 8.0 |
| 1-1/2" | 41.0 | 90.0 | 30 | 8.0 |
| 2" | 72.0 | 236.0 | 116 | 8.0 |

HW P PIPE SIZING TABLE

| SIZE | GPM | FIXTURE UNITS | FLUSH VALVE FIXTURE UNITS | VELOCITY |
|------|------|---------------|---------------------------|----------|
| 1/2" | 3.1 | 3 | - | 4.4 |
| 3/4" | 7.2 | 8.0 | - | 5.0 |
| 1" | 13.0 | 18.0 | - | 5.0 |

| REVISIONS | |
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| 1 | CITY COMMENTS 10-15-2024 |
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CITISTAR SPORTS
LEARNING CENTER
200 N QUEBEC STREET
SAN MATEO, CA 94401



LRS ASSOCIATES
DESIGN AND PLANNING

2059 CAMDEN AVENUE , STE 303
SAN JOSE , CA 95124 (408) 691-5038
Lrs888@sbcglobal.net

DATE
1-15-2024
SCALE
SHOWN
SHEET

PROJECT NO.
45.3252
DRAWN
MW

P-1
OF SHEETS



SITE PREPARATIONS

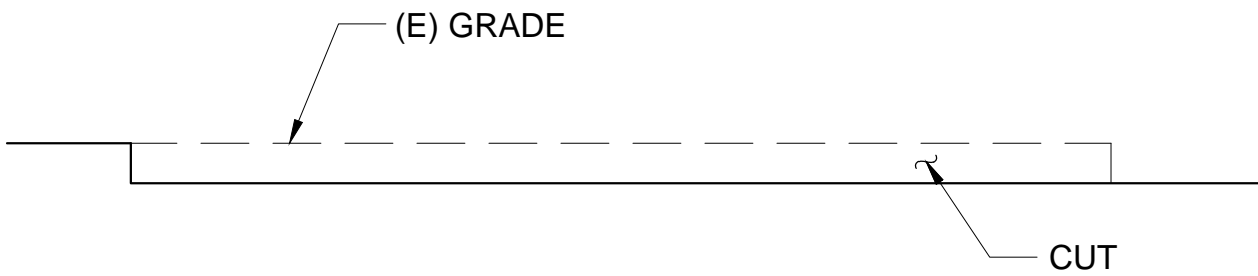
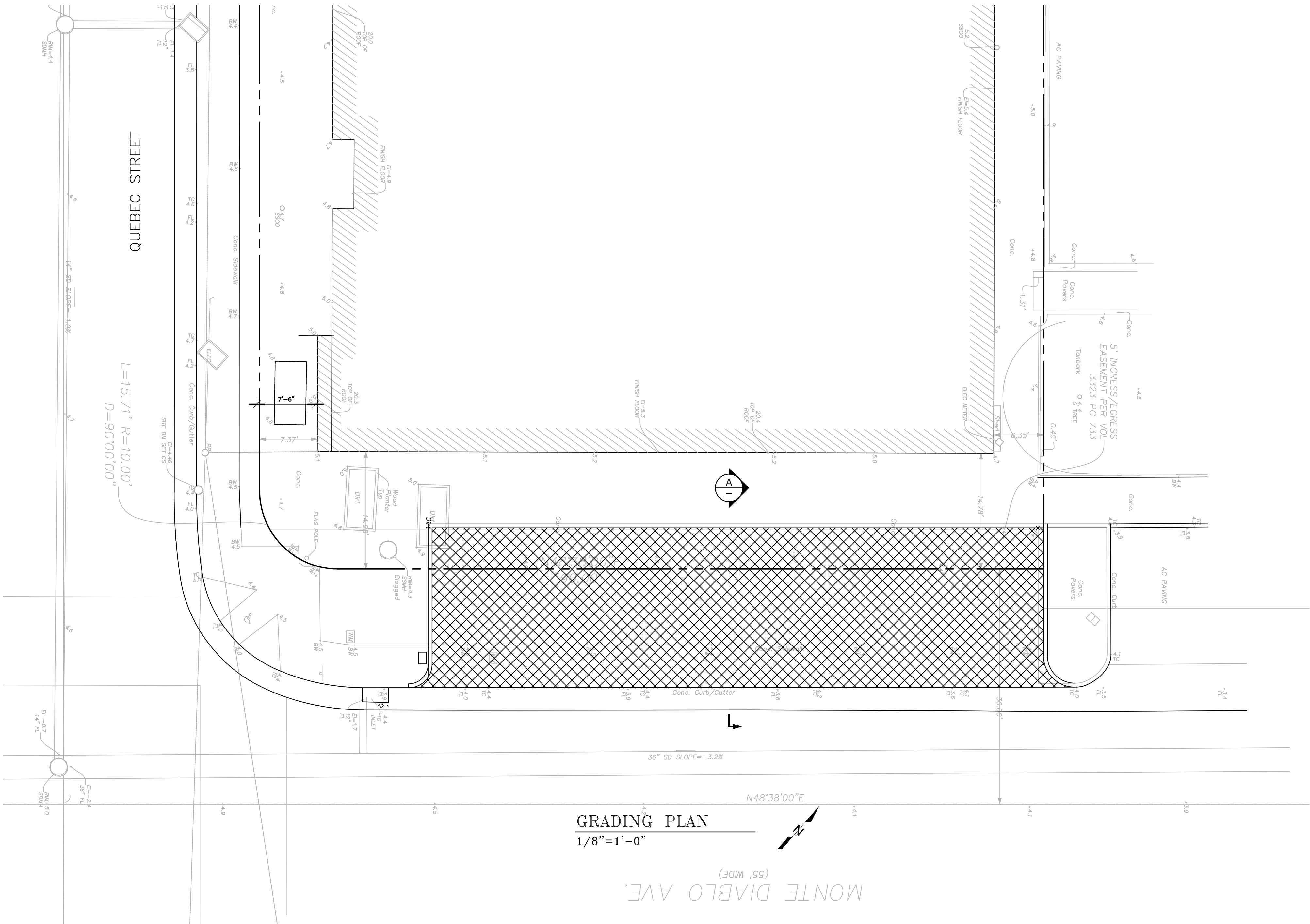
- CLEARING AND GRUBBING SHALL CONSIST OF REMOVAL OF VEGETATION SUCH AS BRUSH, GRASS, WOODS, STUMPS, TREES, ROOTS OF TREES, OR OTHERWISE DELETERIOUS NATURAL MATERIALS FROM THE AREAS TO BE GRADED. CLEARING AND GRUBBING SHOULD EXTEND TO THE OUTSIDE OF ALL PROPOSED EXCAVATION AND FILL AREAS.
- DEMOLITION SHOULD INCLUDE REMOVAL OF BUILDING, STRUCTURES, FOUNDATIONS, RESERVOIRS, UTILITIES (INCLUDING UNDERGROUND PIPELINES, SEPTIC TANKS, LEECH FIELDS, SEEPAGE PITS, CISTERNS, MINING SHAFT, TUNNELS, ETC.) AND OTHER MAN MADE SURFACE AND SUBSURFACE IMPROVEMENTS FROM THE AREAS TO BE GRADED. DEMOLITION OF UTILITIES SHOULD INCLUDE PROPER CAPPING AND/OR REROUTING PIPELINES AT THE PROJECT PERIMETER AND CUT-OFF AND CAPPING OF WELLS IN ACCORDANCE OF THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT AND THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER AT THE TIME OF DEMOLITION.
- TREES, PLANTS, OR MAN-MADE IMPROVEMENTS NOT PLANNED TO BE REMOVED OR DEMOLISHED SHOULD BE PROTECTED BY THE CONTRACTOR FROM DAMAGE OR INJURY.
- DEBRIS GENERATED DURING CLEARING, GRUBBING, AND/OR DEMOLITION OPERATION SHOULD BE WASTED FROM AREAS TO BE GRADED AND DISPOSED OFF-SITE. CLEARING, GRUBBING, AND DEMOLITION OPERATION SHOULD BE PERFORMED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER.
- THE CLIENT OF CONTRACTOR SHOULD OBTAIN THE REQUIRED APPROVAL FROM THE LOCAL BUILDING DEPARTMENT FOR THE PROJECT PRIOR, DURING, AND/OR AFTER DEMOLITION, SITE PREPARATION, AND REMOVALS. THE APPROPRIATE APPROVAL SHOULD BE OBTAIN PRIOR TO PROCEEDING WITH GRADING OPERATIONS.

SITE PROTECTION

- THE CONTRACTOR SHALL BE RESPONSIBLE TO ADEQUATELY SPRINKLE THE PROJECT SITE WITH WATER OR SPRAY THE SITE WITH AN EFFECTIVE DUST PALLIATIVE TO PREVENT DUST FROM BEING BLOWN INTO THE AIR AND CARRIED ONTO ADJACENT PRIVATE AND PUBLIC PROPERTY. DUST CONTROL SHALL BE FOR SEVEN DAYS A WEEK AND 24 HOURS A DAY."
- PROTECTION OF THE SITE DURING THE PERIOD OF GRADING SHOULD BE THE RESPONSIBLE OF THE CONTRACTOR. UNLESS OTHER PROVISIONS ARE MADE IN WRITING AND AGREED UPON AMONG THE CONCERNED PARTIES, COMPLETION OF THE PORTION OF THE PROJECT SHOULD NOT BE CONSIDERED TO PRECLUDE THAT PORTION OR ADJACENT AREA FROM THE REQUIREMENT FOR SITE PROTECTION UNTIL SUCH TIME AS THE ENTIRE PROJECT IS COMPLETE AS IDENTIFIED BY THE GEOTECHNICAL ENGINEER, THE CLIENT, AND THE LOCAL BUILDING DEPARTMENT.
- THE CONTRACTOR SHOULD BE RESPONSIBLE FOR THE STABILITY OF ALL TEMPORARY EXCAVATIONS. RECOMMENDATIONS BY THE GEOTECHNICAL ENGINEER PERTAINING TO TEMPORARY EXCAVATION (E.G. BACKCUTS) ARE MADE IN CONSIDERATION OF THE STABILITY OF THE COMPLETED PROJECT AND, THEREFORE, SHOULD NOT BE CONSIDERED TO PRECLUDE THE RESPONSIBILITIES OF THE CONTRACTOR.
- PRECAUTIONS SHOULD BE TAKEN DURING THE PERFORMANCE OF SITE CLEARING, EXCAVATIONS, AND GRADING TO PROTECT THE WORK SITE FROM FLOODING, PONDING, OR INUNDATION BY POOR OR IMPROPER SURFACE DRAINAGE. TEMPORARY PROVISIONS SHOULD BE MADE DURING THE RAINY SEASONS TO ADEQUATELY DIRECT SURFACE DRAINAGE AWAY FROM AND OFF THE WORK SITE. WHERE LOW AREAS CAN NOT BE AVOIDED, PUMPS SHOULD BE KEPT ON HAND TO CONTINUALLY REMOVE WATER DURING PERIODS OF RAINFALL.
- DURING PERIODS OF RAINFALL, PLASTIC SHEATHING SHOULD BE KEPT REASONABLY ACCESSIBLE TO PREVENT UNPROTECTED SLOPE FROM BECOMING SATURATED. WHERE NECESSARY DURING PERIODS OF RAINFALL, THE CONTRACTOR SHOULD INSTALL CHECK DAMS, DESILTING BASINS, RIPRAP, SANDBAGS, OR OTHER DEVICES OR METHOD NECESSARY TO CONTROL EROSION AND PROVIDE SAFE CONDITIONS.
- DURING PERIODS OF RAINFALL, THE GEOTECHNICAL ENGINEER SHOULD BE KEPT INFORMED BY THE CONTRACTOR AS TO THE NATURE OF REMEDIAL OR PREVENTIVE WORK BEING PERFORMED (E.G. PUMPING, PLACEMENT OF SANDBAG OR PLASTIC SHEETING, OTHER LABOR, DOZING, ETC.)
- FOLLOWING PERIODS OF RAINFALL THE CONTRACTOR SHOULD CONTACT THE GEOTECHNICAL ENGINEER AND ARRANGE A WALKTHROUGH OF THE SITE IN ORDER TO VISUALLY ASSESS RAIN-RELATED DAMAGE. THE GEOTECHNICAL ENGINEER MAY ALSO RECOMMEND EXVATION AND TESTING IN ORDER TO AID IN THE ASSESSMENT. AT THE REQUEST OF THE GEOTECHNICAL ENGINEER, THE CONTRACTOR SHALL MAKE EXCAVATIONS IN ORDER TO EVALUATE THE EXTEND OF RAIN-RELATED DAMAGE.
- RAIN-RELATED DAMAGE SHOULD BE CONSIDERED TO INCLUDE, BUT MAY NOT BE LIMITED TO, EROSION, SILTING, SATURATION, SWELLING, STRUCTURAL DISTRESS AND OTHER ADVERSE CONDITIONS IDENTIFIED BY THE GEOTECHNICAL ENGINEER. SOIL ADVERSLY AFFECTED SHOULD BE CLASSIFIED AS UNSUITED MATERIALS AND SHOULD BE SUBJECT TO OVEREXCAVATION AND REPLACEMENT WITH COMPACTED FILL OR OTHER REMEDIAL GRADING AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- RELATIVELY LEVEL AREAS, WHERE SATURATED SOIL AND/OR EROSION GULLIES EXIST TO DEPTHS OF GREATER THAN ONE FOOT, SHOULD BE OVEREXCAVATED TO UNAFFECTED, COMPETENT MATERIAL. WHERE LESS THAN ONE FOOT IN DEPTH, UNSUITABLE MATERIALS MAY BE PROCESSED IN PLACE TO ACHIEVE NEAR-OPTIMUM MOISTURE CONDITION, THEN THOROUGHLY RE-COMPACTED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS. IF THE DESIRED RESULTS ARE NOT ACHIEVED, THE AFFECTED MATERIALS SHOULD BE OVEREXCAVATED, THEN REPLACED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS.

ABBREVIATIONS

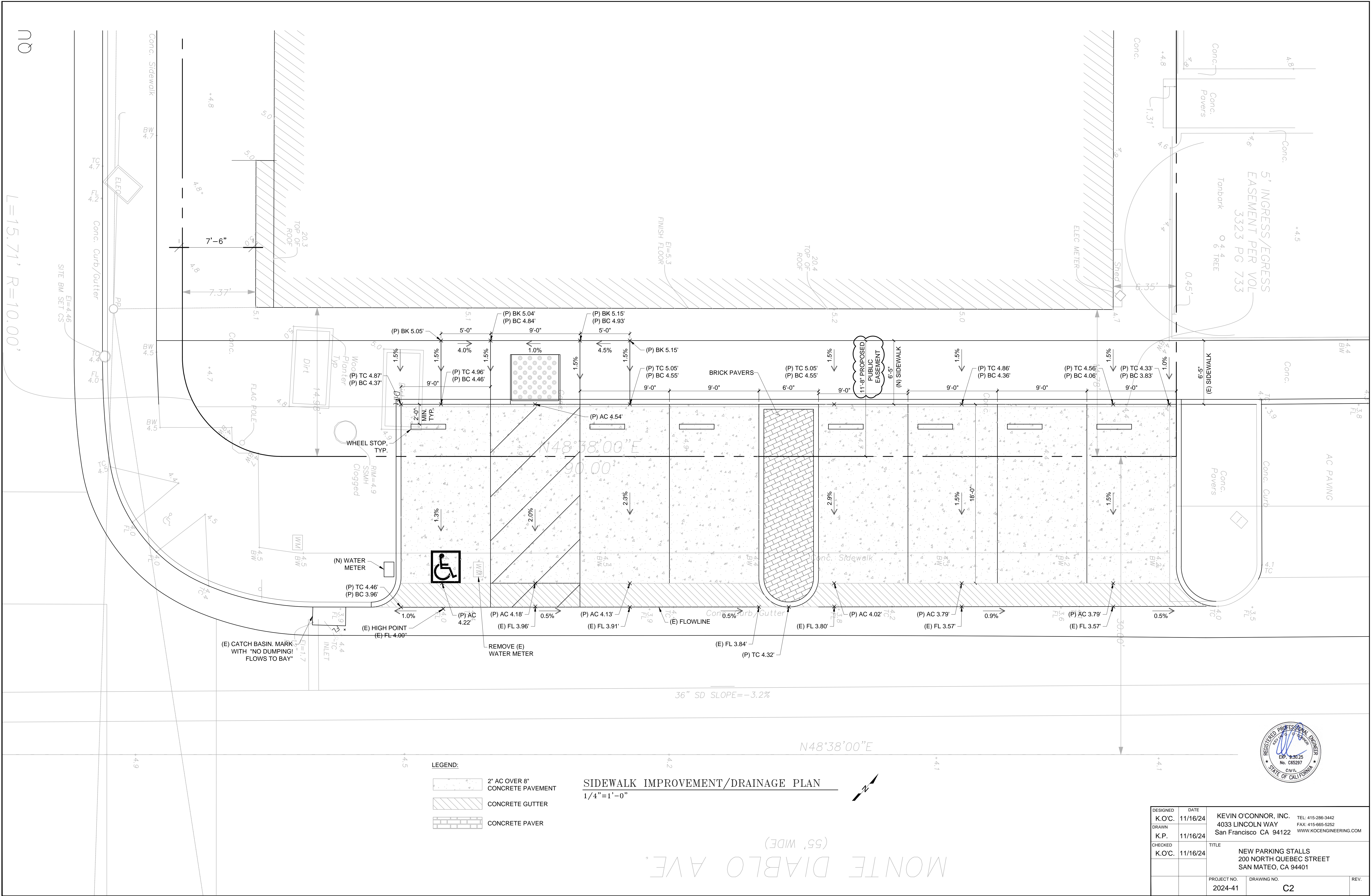
| | |
|--------|----------------------------|
| AB | AGGREGATE BASE |
| AC | ASHPALT CONCRETE |
| ADJ | ADJACENT |
| ASP | ASPHALT |
| AVE | AVENUE |
| BK | BACK OF WALK |
| BMP | BEST MANAGEMENT PRACTICE |
| BOE | BOTTOM OF EXCAVATION |
| BOP | BOTTOM OF PIER |
| BP | BOTTOM OF POOL |
| BW | BOTTOM OF WALL |
| CL | CENTER LINE |
| CO | CLEAN OUT |
| CONC | CONCRETE |
| COR | CORNER |
| DI | DUCTILE IRON |
| DMA | DRAINAGE MANAGEMENT AREA |
| (E) | EXISTING |
| EA | EACH |
| EG | EXISTING GRADE |
| EL | ELEVATION |
| EP | EDGE OF PAVEMENT |
| FFE | FINISH FLOOR ELEVATION |
| FL | FLOW LINE |
| FT | FEET |
| GND | GROUND |
| GV | GAS VALVE |
| HSS | HOLLOW STEEL SECTION |
| INV | INVERT |
| LID | LOW IMPACT DESIGN |
| MAX. | MAXIMUM |
| MH | MANHOLE |
| (N) | NEW |
| N.T.S. | NOT TO SCALE |
| (P) | PROPOSED |
| PL | PROPERTY LINE |
| PT | PRESSUR TREATED |
| RF | ROOF |
| SAD | SEE ARCHITECTURAL DRAWINGS |
| SD | STORM DRAIN |
| SMD | SEE MECHANICAL DRAWINGS |
| SLD | SEE LANDSCAPE DRAWINGS |
| SS | SANITARY SEWER |
| SSCO | SANITARY SEWER CLEAN OUT |
| SSD | SEE STRUCTURAL DRAWINGS |
| SSMH | SANITARY SEWER MANHOLE |
| ST | STREET |
| TC | TOP OF CURB |
| TF | TO OF FOOTING |
| TOC | TOP OF CONCRETE |
| TP | TOP OF PAVEMENT |
| TS | TOP OF SLOPE |
| TW | TOP OF WALL |
| TYP | TYPICAL |
| U.N.O. | UNLESS NOTED OTHERWISE |
| WM | WATER METER |
| WV | WATER VALVE |
| @ | AT |



EXCAVATION QUANTITIES:
CUT = 49 CY
FILL = 0 CY
NET OFF-HAUL = 49 CY



| | | |
|------------------------|------------------|--|
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| DRAWN K.P. | 11/16/24 | |
| CHECKED K.O.C. | 11/16/24 | |
| | | TITLE NEW PARKING STALLS 200 NORTH QUEBEC STREET SAN MATEO, CA 94401 |
| PROJECT NO. 2024-41 | | DRAWING NO. C1 |
| | | REV. |



NO
L=15.71' R=10.00'

LEGEND:

- 2" AC OVER 8" CONCRETE PAVEMENT
- CONCRETE GUTTER
- CONCRETE PAVER

SIDEWALK IMPROVEMENT/DRAINAGE PLAN
1/4"=1'-0"

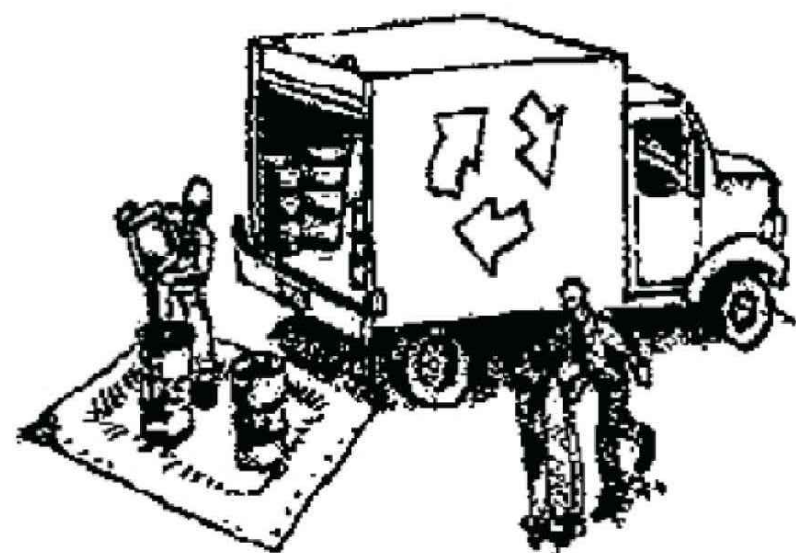


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Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

Materials & Waste Management



Non-Hazardous Materials

- ❑ Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
- ❑ Use (but don't overuse) reclaimed water for dust control.

Hazardous Materials

- ❑ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- ❑ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- ❑ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ❑ Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- ❑ Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- ❑ Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site.
- ❑ Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- ❑ Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
- ❑ Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.

Construction Entrances and Perimeter

- ❑ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ❑ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



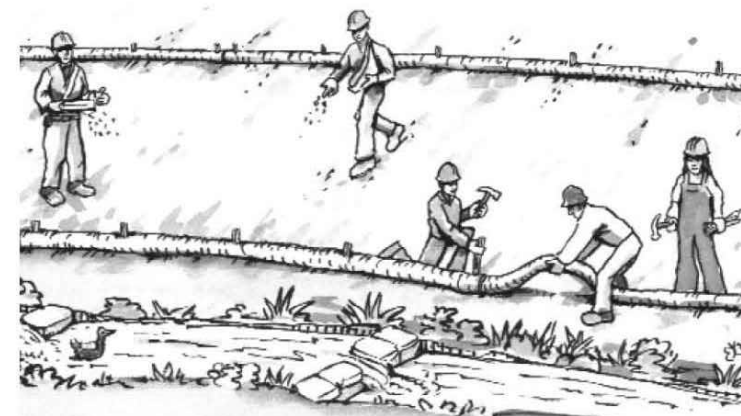
Maintenance and Parking

- ❑ Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
- ❑ Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- ❑ If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- ❑ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- ❑ Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment.

Spill Prevention and Control

- ❑ Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- ❑ Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- ❑ Clean up spills or leaks immediately and dispose of cleanup materials properly.
- ❑ Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- ❑ Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
- ❑ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ❑ Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

Earthmoving



- ❑ Schedule grading and excavation work during dry weather.
- ❑ Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- ❑ Remove existing vegetation only when absolutely necessary, and seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.
- ❑ Prevent sediment from migrating offsite and protect storm drain inlets, gutters, ditches, and drainage courses by installing and maintaining appropriate BMPs, such as fiber rolls, silt fences, sediment basins, gravel bags, berms, etc.
- ❑ Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

Contaminated Soils

- ❑ If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
 - Unusual soil conditions, discoloration, or odor.
 - Abandoned underground tanks.
 - Abandoned wells
 - Buried barrels, debris, or trash.

Paving/Asphalt Work



- ❑ Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- ❑ Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- ❑ Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- ❑ Do not use water to wash down fresh asphalt concrete pavement.

Sawcutting & Asphalt/Concrete Removal

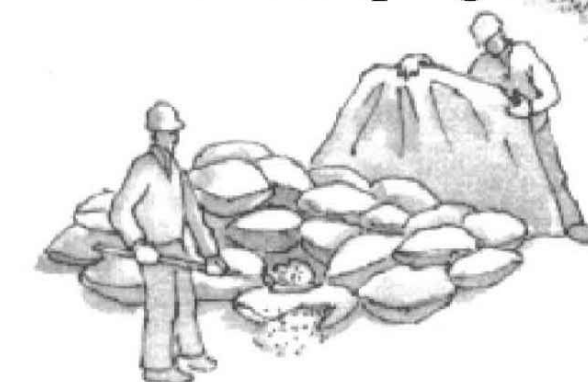
- ❑ Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- ❑ Shovel, absorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ❑ If sawcut slurry enters a catch basin, clean it up immediately.

Concrete, Grout & Mortar Application



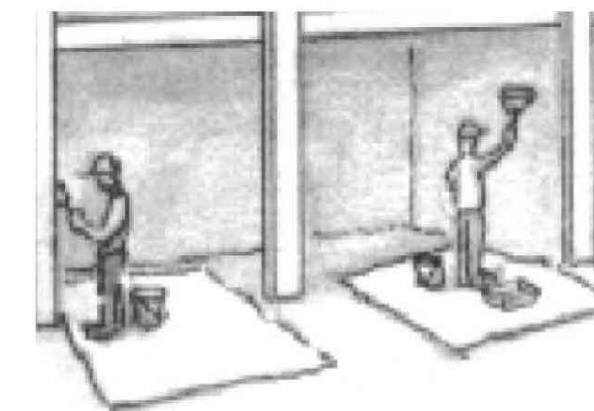
- ❑ Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, runoff, and wind.
- ❑ Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will flow into a temporary waste pit, and in a manner that will prevent leaching into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- ❑ When washing exposed aggregate, prevent washwater from entering storm drains. Block any inlets and vacuum gutters, hose washwater onto dirt areas, or drain onto a bermed surface to be pumped and disposed of properly.

Landscaping



- ❑ Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- ❑ Stack bagged material on pallets and under cover.
- ❑ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

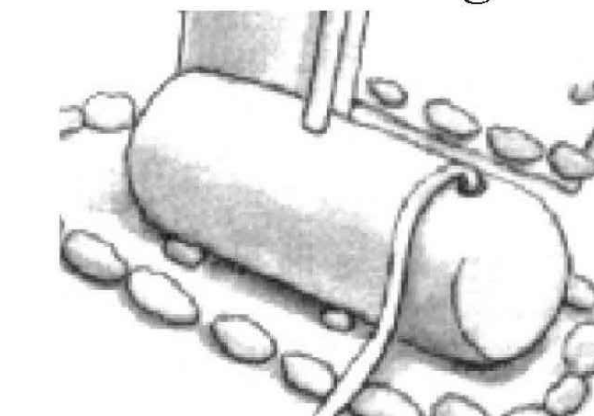
Painting & Paint Removal



Painting Cleanup and Removal

- ❑ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- ❑ For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- ❑ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
- ❑ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- ❑ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state-certified contractor.

Dewatering



- ❑ Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer call your local wastewater treatment plant.
- ❑ Divert run-on water from offsite away from all disturbed areas.
- ❑ When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ❑ In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal.

Storm drain polluters may be liable for fines of up to \$10,000 per day!



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