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PROJECT:
NEW O'REILLY AUTO PARTS STORE
N. MARKSHEFFEL ROAD
COLORADO SPRINGS, CO #11
CODE SUMMARY PLAN

O'Reilly AUTO PARTS
 CORPORATE OFFICES
 233 SOUTH PATTERSON
 SPRINGFIELD, MISSOURI 65802
 (417) 862-2674 TELEPHONE

COMM # 4369
 DATE: 10-11-19
 REVISION
 DATE:

G1.1

BUILDING CODE

BUILDING OFFICIAL CONTACT NUMBER: (719) 520-7943
 COUNTY: EL PASO
 ZIP CODE: 80951

GOVERNING CODES AND ORDINANCES
 BUILDING CODE: 2015 IBC / 2017 PIKES PEAK REGIONAL BUILDING CODE
 PLUMBING CODE: 2015 IPC
 MECHANICAL CODE: 2015 IMC
 ELECTRICAL CODE: 2017 NEC
 FIRE CODE: 2015 IFC
 ENERGY CODE: 2013 ASHRAE 90.1
 ACCESSIBILITY CODE: 2017 ANSI A117.1
 AMENDING ORDINANCE: EL PASO COUNTY

USE GROUP & CONSTRUCTION TYPE
 PRIMARY USE GROUP: M (MERCANTILE)
 CONSTRUCTION TYPE: II-B
 (NON-COMBUSTIBLE / UNPROTECTED)

AREA MODIFICATIONS
 FRONTAGE INCREASE: NOT APPLIED
 AUTOMATIC SPRINKLER INCREASE: NOT PROVIDED

ALLOWABLE HEIGHT & BUILDING AREA
 NO. STORIES: 2 STORIES
 AREA: 12,500 SQ. FT.

ACTUAL HEIGHT & BUILDING AREA
 NO. OF STORIES: 1 STORY
 BUILDING HEIGHT: 19'-0"
 GROSS BUILDING AREA: 7'453 SQ. FT.

FIRE PROTECTION SYSTEMS
 AUTOMATIC SPRINKLER SYSTEM: REQUIRED
 PORTABLE FIRE EXTINGUISHERS: REQUIRED
 FIRE ALARM SYSTEM: REQUIRED
 AUTOMATIC DETECTION SYSTEM: REQUIRED

STRUCTURAL DESIGN
 (REFER TO STRUCTURAL DRAWINGS)
 1. LIVE LOADS
 ROOF (1/4"12): (REDUCIBLE) 20 PSF

2. ROOF COLLATERAL LOADS
 A. ARCHITECTURAL / MECHANICAL: 2.5 PSF
 B. SUSPENDED ACOUSTICAL CEILING SYSTEM LOAD (WHERE OCCURS): 2.0 PSF
 C. SPRINKLER SYSTEM
 UNIFORM BRANCH PIPE LOAD: 1.0 PSF
 LINEAL LOOP / TEE MAIN PIPE LOAD: 25.0 PLF

3. SNOW LOADS CE = 1.0 CT = 1.0
 GROUND LOAD (PG): 20 PSF
 MINIMUM ROOF SNOW LOAD (PF): 30 PSF
 IMPORTANCE FACTOR (IS): 1.0

4. WIND LOADS GCPI = ± 0.18
 BASIC WIND SPEED: VULT = 130 MPH
 VASD = 100.7 MPH
 EXPOSURE: C

5. SEISMIC
 SS: 0.185
 S1: 0.059
 SDS: 0.197
 SD1: 0.094
 IMPORTANCE FACTOR (IE): 1.0
 SITE CLASS: D
 DESIGN CATEGORY: B

6. BUILDING LATERAL DEFLECTION LIMITS:
 (REFERENCE CODE DEFLECTION LIMITS, WHERE MORE STRINGENT CODE DEFLECTION LIMITS APPLY, THEY SHALL SUPERSEDE THE FOLLOWING)
 MAX. ROOF SNOW OR LIVE LOAD DEFLECT.: SPAN/240
 MAX. ROOF TOTAL LOAD DEFLECT.: SPAN/180
 MAX. METAL BUILDING RIGID FRAME LATERAL DEFLECTION: HEIGHT/150
 MAX. METAL BUILDING HORIZONTAL GIRT LATERAL DEFLECTION: SPAN/240

COMMERCIAL ENERGY EFFICIENCY CODE
 COMPLIANCE WITH BUILDING ENERGY EFFICIENCY REQUIREMENTS BASED UPON APPLICABLE ENERGY CODE (PERFORMANCE METHOD).

CERTIFICATE OF COMPLIANCE AND CALCULATIONS TO BE PROVIDED UPON REQUEST UNDER SEPARATE COVER.

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) REFER TO PLANS, SECTIONS, AND DETAILS FOR CONSTRUCTION OF FIRE RATED ASSEMBLIES. WHERE UNDERWRITERS LABORATORY (UL) TEST NUMBERS ARE REFERENCED, CONTRACTOR SHALL PROVIDE CONSTRUCTION MATERIALS, MEANS AND METHODS TO COMPLY WITH TESTED ASSEMBLY.
- (C) REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- (D) OWNER FURNISHED AND INSTALLED FURNISHINGS AND FIXTURES SHOWN FOR REFERENCE ONLY.
- (E) CONTRACTOR TO PROVIDE PORTABLE FIRE EXTINGUISHERS DURING CONSTRUCTION AS REQUIRED TO PROTECT THE WORK AREA AND EACH STORAGE UNIT AND JOB TRAILER PER THE FIRE CODE.
- (F) SURFACE MOUNTED PORTABLE FIRE EXTINGUISHERS SHALL BE UL LISTED ABC TYPE, WITH 10 LBS. CAPACITY. REFER TO DETAIL 10/A4.2 FOR TYPICAL MOUNTING REQUIREMENTS.
- (G) EXIT DISCHARGE DOORS, PROVIDE TACTILE EXIT SIGNS STATING "EXIT" WITH BRAILLE (GRADE 2 CONTRACTED) LETTERING. SIGN CONSTRUCTION AND MOUNTING TO COMPLY WITH ANSI A117.1. REFER TO FLOOR PLAN FOR LOCATIONS.

SYMBOLS LEGEND

- 326 SF ROOM SQUARE FOOTAGE:
- DESIGN OCCUPANT LOAD SERVED BY EXIT: MAXIMUM ALLOWABLE CAPACITY (EXAMPLE: 36' / 2' = 180):
- (N) OCCUPANT LOAD SERVED BY EXIT BUT NOT COUNTED IN TOTAL OCCUPANT LOAD:
- (20) ROOM OCCUPANT LOAD AT 80 SQ. FT. GROSS PER PERSON:
- (100) ROOM OCCUPANT LOAD AT 100 SQ. FT. GROSS PER PERSON:
- (300) ROOM OCCUPANT LOAD AT 300 SQ. FT. GROSS PER PERSON:
- (S) FIRE EXTINGUISHER (SURFACE MOUNTED)
- TES LOCATION OF TACTILE EXIT SIGNAGE
- EGRESS TRAVEL PATH STARTING POINT
- EXIT ACCESS TRAVEL DISTANCE (LENGTH IN FEET)
- EXTERIOR WALL LIGHT
- CLEAR FLOOR AREA (EXIT DOOR AND / OR FIRE EXTINGUISHER)
- REFER TO LIGHTING PLAN FOR EMERGENCY EXIT LIGHTING LOCATIONS

PLUMBING FIXTURE SUMMARY

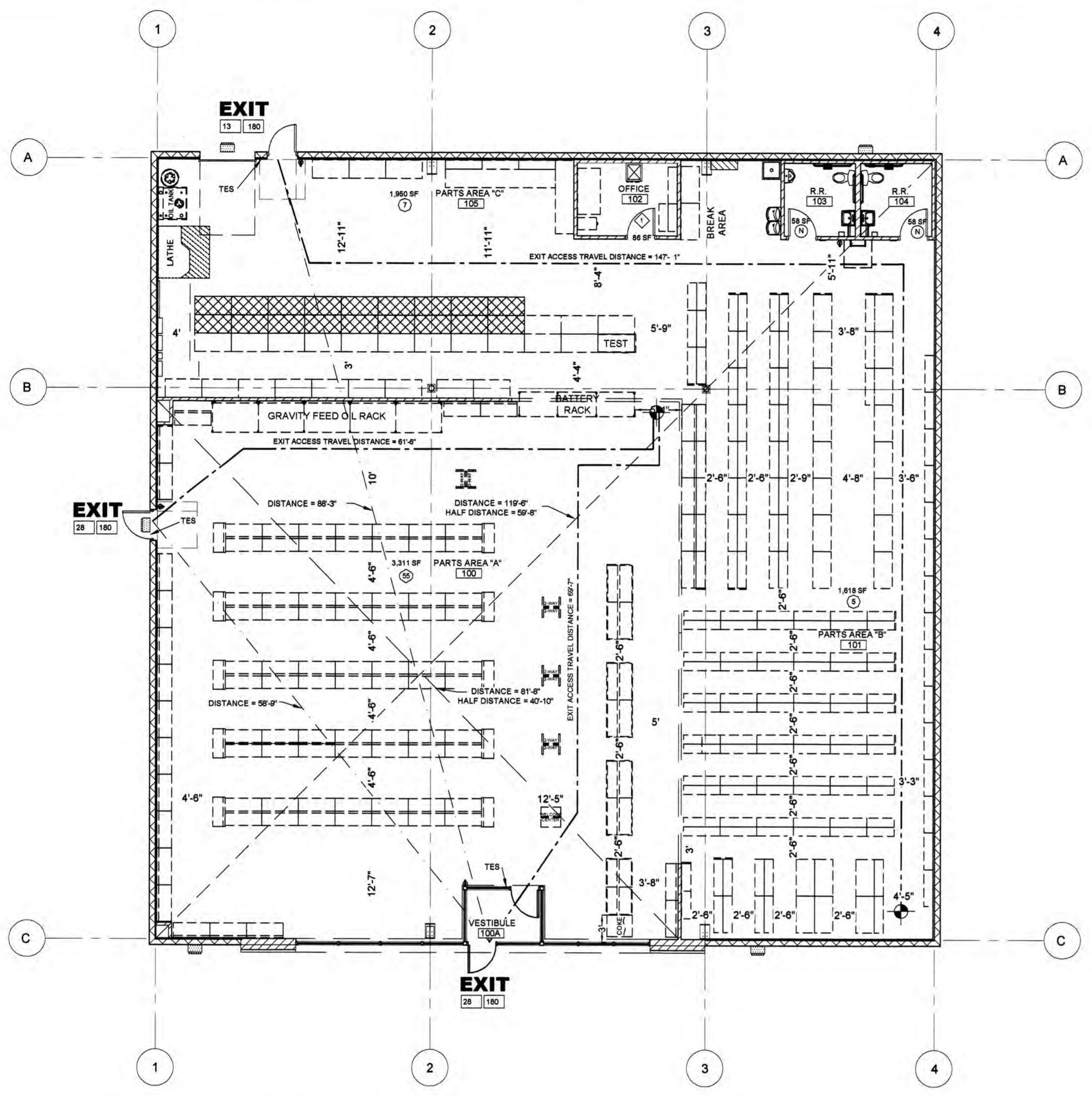
GENERAL
 IPC TABLE 403.1
 PRIMARY OCCUPANCY: (M) MERCANTILE
 TOTAL OCCUPANCY: 68
 OCCUPANCY LOAD CALCULATED PER SEX:
 FEMALE: 68 / 2 = 34
 MALE: 68 / 2 = 34

PLUMBING FIXTURES
 WATER CLOSETS (URINALS): 1 PER 500
 REQUIRED FOR FEMALE: 34/500 = 1
 PROVIDED FOR FEMALE: 1
 REQUIRED FOR MALE: 62/500 = 1
 PROVIDED FOR MALE: 1 AND 1 URINAL

LAVATORIES: 1 PER 750
 REQUIRED FOR FEMALE: 34/750 = 1
 PROVIDED FOR FEMALE: 1
 REQUIRED FOR MALE: 34/750 = 1
 PROVIDED FOR MALE: 1

DRINKING FOUNTAINS: 1 PER 1,000
 REQUIRED: 68/1000 = 1
 PROVIDED: 2

SERVICE SINK REQUIRED: 1
 SERVICE SINK PROVIDED: 1



1 CODE SUMMARY PLAN
 G1.1 SCALE: 1/8" = 1'-0" SCALE: 1/8" = 1'-0"



PROJECT DATA

REAL ESTATE
 PROPERTY GROSS AREA: 42,271 GSF

SITE
 PARKING GROSS AREA: 18,891 GSF

BUILDING
 BUILDING GROSS AREA: 7,453 GSF
 BUILDING INTERIOR AREA: 7,232 SF

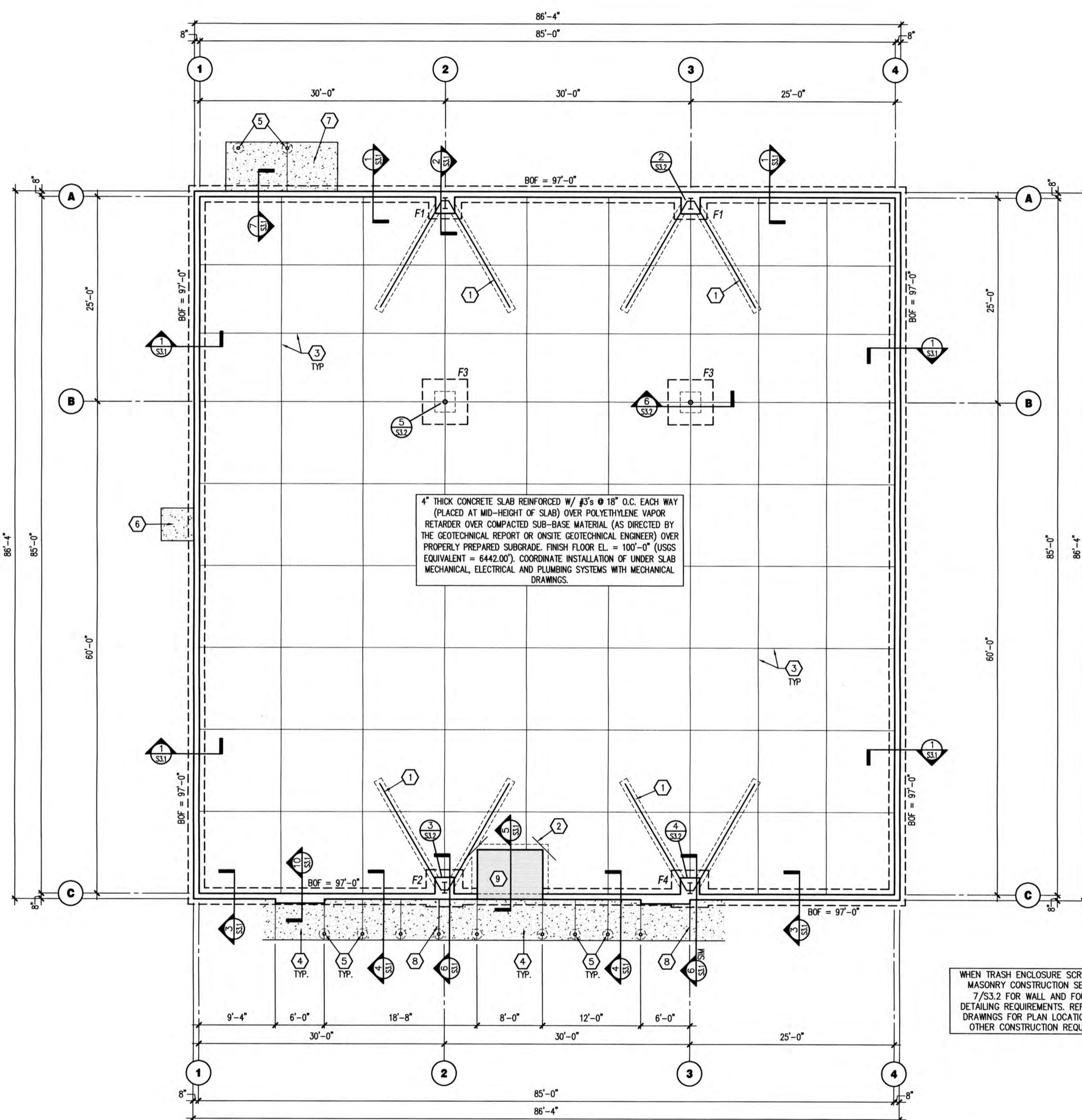
HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS)

- (A) UPON REQUEST OWNER TO PROVIDE UNDER SEPERATE COVER, PROJECT HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS) FOR COMMODITY TYPES, HAZARD CLASS, AND QUANTITIES.
- (B) OWNER RESPONSIBLE FOR MONITORING INVENTORY COMMODITY TYPES AND QUANTITIES TO NOT EXCEED CODE REQUIREMENTS.

OCCUPANCY LOAD SUMMARY

ROOM OR AREA (REFER TO FLOOR PLAN)	AREA PER OCCUPANT(S.F.)	OCCUPANTS (QTY.)
100 - PARTS AREA "A"	60	55
101 - PARTS AREA "B"	300	5
102 - OFFICE	100	1
103 - RESTROOM	N/A	0
104 - RESTROOM	N/A	0
105 - PARTS AREA "C"	300	7
TOTAL OCCUPANCY		68

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4" THICK CONCRETE SLAB REINFORCED W/ #3'S @ 18" O.C. EACH WAY (PLACED AT MID-HEIGHT OF SLAB) OVER POLYETHYLENE VAPOR RETARDER OVER COMPACTED SUB-BASE MATERIAL (AS DIRECTED BY THE GEOTECHNICAL REPORT OR ONSITE GEOTECHNICAL ENGINEER) OVER PROPERLY PREPARED SUBGRADE. FINISH FLOOR EL. = 100'-0" (USGS EQUIVALENT = 6442.00'). COORDINATE INSTALLATION OF UNDER SLAB MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS WITH MECHANICAL DRAWINGS.

WHEN TRASH ENCLOSURE SCREEN WALL IS MASONRY CONSTRUCTION SEE SECTION 7/S3.2 FOR WALL AND FOUNDATION DETAILING REQUIREMENTS. REFER TO CIVIL DRAWINGS FOR PLAN LOCATION AND ALL OTHER CONSTRUCTION REQUIREMENTS.

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



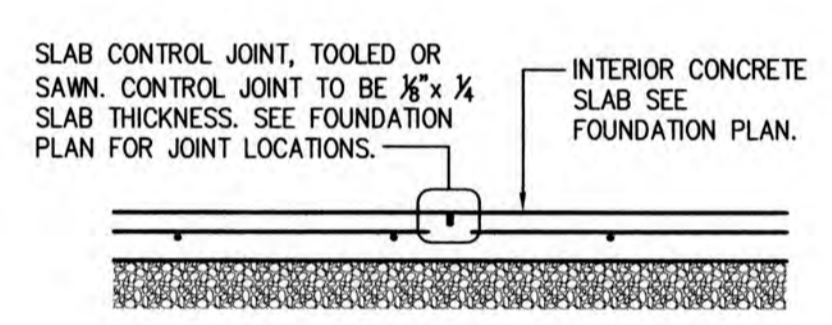
KEYNOTES

- 1 SLAB HAIRPIN. SEE DETAIL 9/S3.1
- 2 PROVIDE #4x4'-0" DOWEL. TURN 45 DEGREES AT SLAB INSIDE CORNERS
- 3 CONTROL/CONSTRUCTION JOINT SEE DETAILS 1 & 2/S2
- 4 SIDEWALK: PROVIDE 4" THICK CONCRETE REINFORCED W/ #3'S @ 18" O.C. EACH WAY (PLACED AT MID-HEIGHT OF SLAB) OVER COMPACTED SUB-BASE MATERIAL (AS DIRECTED BY THE GEOTECHNICAL REPORT OR ONSITE GEOTECHNICAL ENGINEER) PROPERLY PREPARED SUBGRADE. SEE CIVIL DRAWINGS FOR JOINT REQUIREMENTS, EXTENTS OF FLATWORK, AND TOP OF CONCRETE SPOT ELEVATIONS.
- 5 STEEL BOLLARD: SEE SITE DEVELOPMENT PLANS AND DETAILS. (WHERE APPLICABLE, ALIGN WITH CENTERLINE OF STOREFRONT MULLIONS AND JAMBS OF OVERHEAD DOOR.)
- 6 4x4' (MIN.) DOORPAD: PROVIDE 4" THICK CONCRETE REINFORCED W/ #3'S @ 18" O.C. EACH WAY (PLACED AT MID-HEIGHT OF SLAB) OVER COMPACTED SUB-BASE MATERIAL (AS DIRECTED BY THE GEOTECHNICAL REPORT OR ONSITE GEOTECHNICAL ENGINEER) ON PROPERLY PREPARED SUBGRADE. CENTER PAD ON DOOR. SEE CIVIL DRAWINGS FOR TOP OF CONCRETE SPOT ELEVATIONS.
- 7 6" WIDE DOORPAD: PROVIDE 4" THICK CONCRETE REINFORCED W/ #3'S @ 18" O.C. EACH WAY (PLACED AT MID-HEIGHT OF SLAB) OVER COMPACTED SUB-BASE MATERIAL (AS DIRECTED BY THE GEOTECHNICAL REPORT OR ONSITE GEOTECHNICAL ENGINEER) ON PROPERLY PREPARED SUBGRADE. EXTEND CONCRETE 1'-6" PAST DOOR JAMBS. SEE CIVIL DRAWINGS FOR TOP OF CONCRETE SPOT ELEVATIONS.
- 8 ISOLATION JOINT. SEE DETAIL 3/S2
- 9 ENTRY SLAB: 8" THICK CONCRETE SLAB REINFORCED W/ #3'S @ 18" O.C. EACH WAY (PLACED AT MID-HEIGHT OF SLAB) OVER POLYETHYLENE VAPOR RETARDER OVER COMPACTED SUB-BASE MATERIAL (AS DIRECTED BY THE GEOTECHNICAL REPORT OR ON-SITE GEOTECHNICAL ENGINEER) OVER PROPERLY PREPARED SUB-GRADE. TOP OF SLAB EL. = 100'-0"

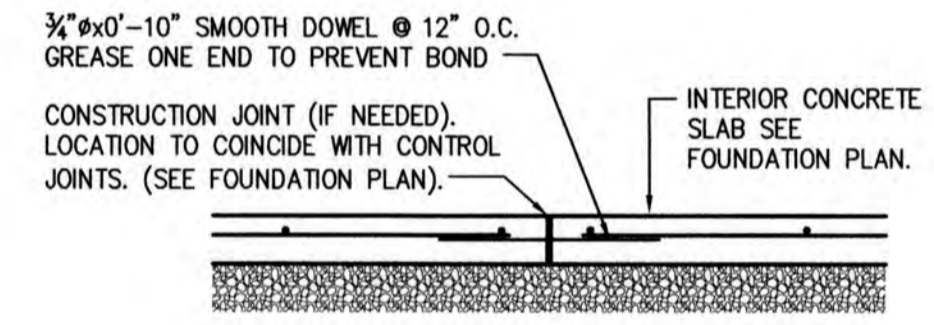
FOUNDATION SCHEDULE

MARK	FOOTING SIZE (W x L x T)	FOOTING REINFORCEMENT		BOTTOM OF FOOTING ELEVATION	PILASTER REINFORCEMENT		TOP OF PILASTER ELEVATION	NOTES	MARK
		LONG.	TRANS.		VERT.	TIES			
F1	4'-0"x4'-0"x1'-0"	(6) #4	(6) #4	97'-0"	(12) #6	SEE SECTION 2/S3.1	100'-0"	1,2,3,4,5	F1
F2	4'-6"x4'-6"x1'-0"	(6) #4	(6) #4	97'-0"	(12) #6	SEE SECTION 6/S3.1	100'-0"	1,2,3,4,5	F2
F3	5'-6"x5'-6"x1'-6"	(6) #4 EACH WAY TOP & BOT.	(6) #4	96'-0"	(12) #6	SEE SECTION 6/S3.2	99'-4"	1,2,4,5	F3
F4	4'-6"x4'-6"x1'-0"	(6) #4	(6) #4	97'-0"	(12) #6	SEE SECTION 6/S3.1 SIM.	100'-0"	1,2,3,4,5	F4

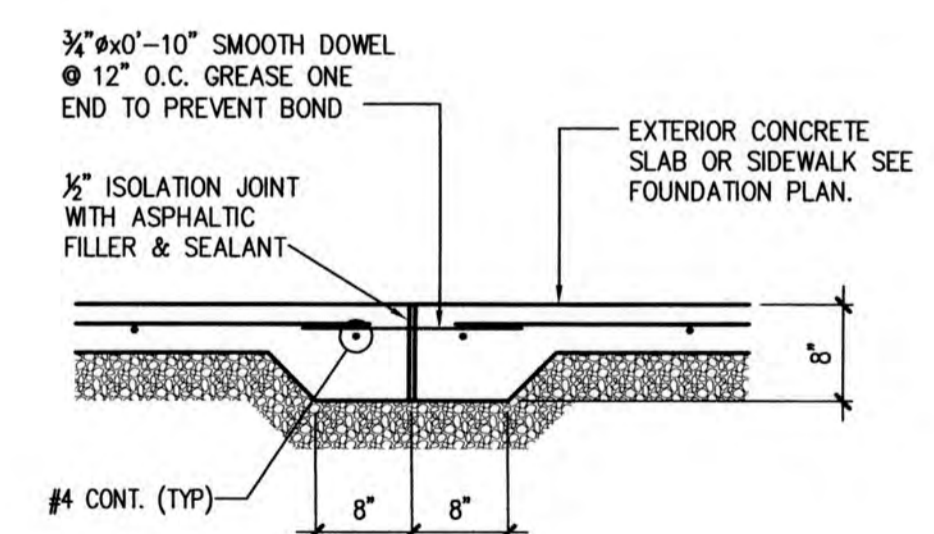
- NOTES:
1. ALL ANCHOR BOLTS SHALL BE SIZE, QUANTITY AND SPACING AS SPECIFIED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURER. MAINTAIN 3" MINIMUM CONCRETE COVER AROUND BOLTS. TIES SHALL WRAP AROUND ANCHOR BOLTS.
 2. COLUMN BASE PLATES ARE TO REST ON TOP OF CONCRETE. PROVIDE LEVEL BEARING SURFACE FOR EVEN CONTACT.
 3. COLUMN FOOTING REINFORCEMENT TO BE INTEGRAL WITH CONTINUOUS FOUNDATION REINFORCEMENT.
 4. PROVIDE ANCHOR BOLT TEMPLATES AT COLUMN.
 5. ALL SPREAD FOOTINGS ARE TO BE CENTERED BENEATH COLUMNS UNLESS NOTED OTHERWISE.



1 TYP. CONTROL JOINT DETAIL
SCALE: 3/4" = 1'-0"



2 TYP. CONSTR. JOINT DETAIL
SCALE: 3/4" = 1'-0"



3 SIDEWALK ISOLATION JOINT
SCALE: 3/4" = 1'-0"



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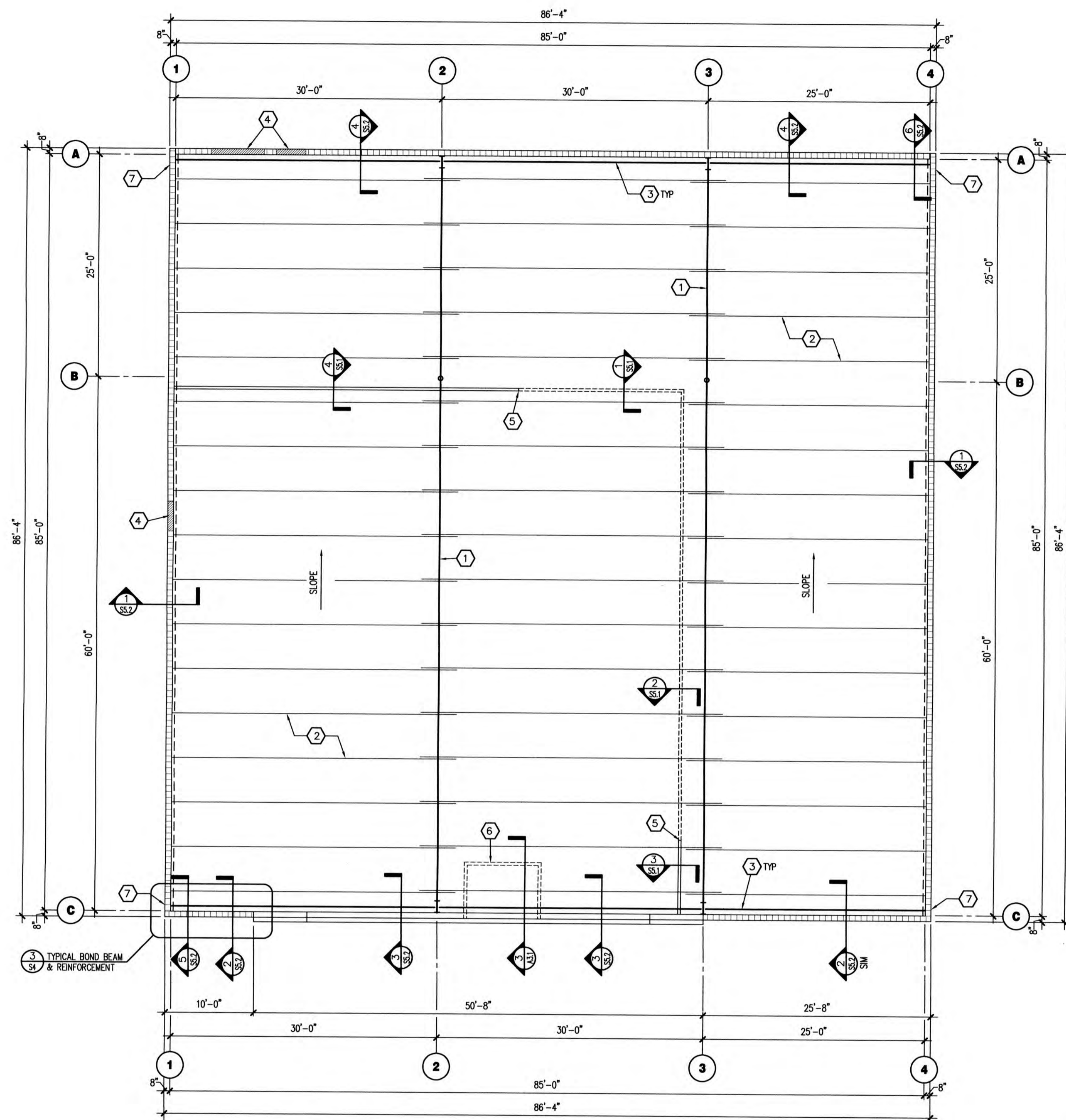
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O'Reilly AUTO PARTS
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1801 W 32nd St Bldg B Ste 104 * JOPLIN, MISSOURI 64802
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 * TELEPHONE

COMM # 4369
DATE: 10-11-19
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Jeffrey S. Smith P.E. 24554
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FRAMING PLAN

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



FOR MASONRY CONTROL JOINT SEE DETAIL 2/S4. COORDINATE WITH ARCHITECTURAL FOR CONTROL JOINT LOCATIONS.

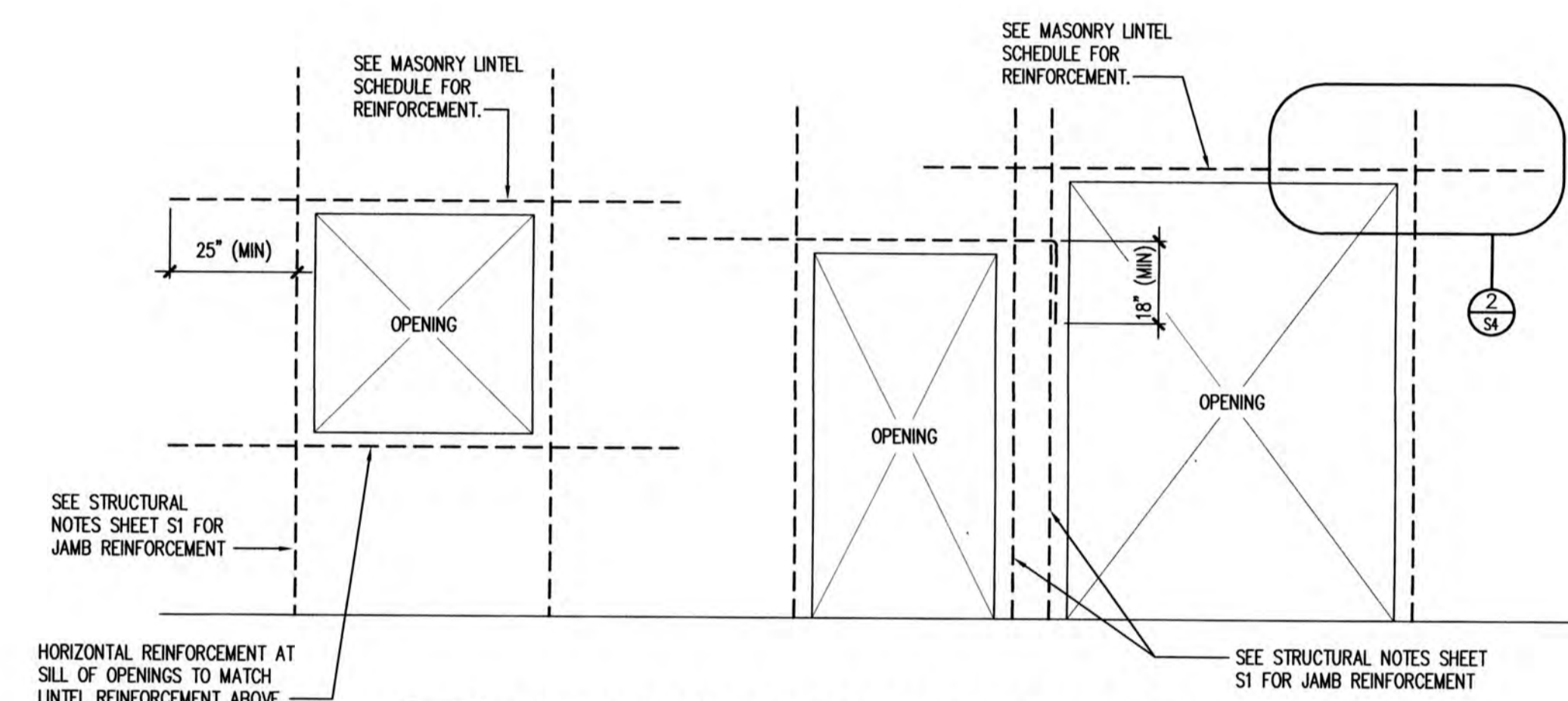
FOR LOCATIONS OF MECHANICAL OPENINGS IN MASONRY WALLS, REFER TO MECHANICAL DRAWINGS. SEE MASONRY LINTEL SCHEDULE FOR BOND BEAM REQUIREMENTS. OPENINGS GREATER THAN 60" WIDE REQUIRE NOTIFICATION TO THE PROJECT ENGINEER FOR SPECIAL ANALYSIS. MECHANICAL OPENINGS SHALL NOT BE LOCATED OVER ANY EXTERIOR DOORS. TOP OF OPENING TO BE LOCATED A MINIMUM 12" BELOW CONTINUOUS LEDGER ANGLES AND 18" BELOW WIND BEAM CENTERLINE.

MASONRY LINTEL SCHEDULE

	0'-0" TO 5'-0" MASONRY OPENING: 8" DEEP LINTEL BLOCK WITH (2) #5'S CONTINUOUS AS SHOWN. LINTEL BLOCK TO EXTEND 32" BEYOND OPENINGS. SEE WALL ELEVATION 1/S4 & 2/S4
	5'-1" TO 8'-0" MASONRY OPENING: 16" DEEP LINTEL BLOCK WITH (4) #5'S CONTINUOUS AS SHOWN. LINTEL BLOCK TO EXTEND 32" BEYOND OPENINGS. SEE WALL ELEVATION 1/S4 & 2/S4

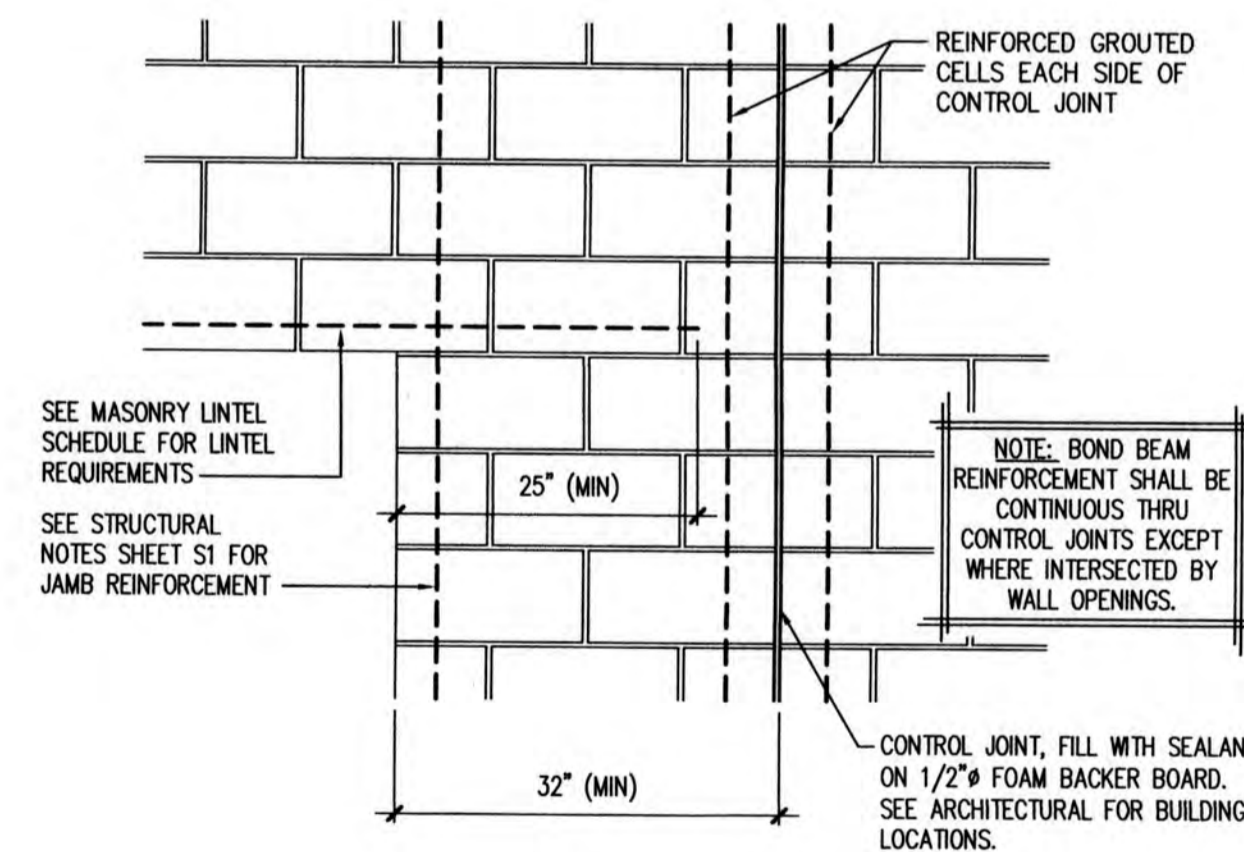
KEYNOTES

- STEEL COLUMN AND FRAME BY PRE-ENGINEERED METAL BUILDING MANUFACTURER. HOLD FRAME DRIFT TO H/150.
- ROOF PURLINS BY PRE-ENGINEERED METAL BUILDING MANUFACTURER. REFER TO SECTION B/S5.2 FOR SPECIAL CONNECTION OF ROOF PURLINS AT MASONRY WALL FOR PURLINS SUPPORTING RTU LOADS.
- SPANDREL BEAM BY PRE-ENGINEERED METAL BUILDING MANUFACTURER. HOLD DEFLECTION TO L/240.
- MASONRY LINTEL OVER DOOR OPENINGS, SEE MASONRY LINTEL SCHEDULE.
- PROVIDE JOINT IN GYP BOARD AT TRANSITION BETWEEN FLOOR SUPPORTED FULL-HEIGHT WALL AND SUSPENDED HEADER WALL TO ALLOW FOR DIFFERENTIAL MOVEMENT. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- PROVIDE 16ga COLD-FORMED STEEL FRAMING AT ENTRY LOCATION, WHERE APPLICABLE ALIGN FRAMING MEMBERS WITH METAL STUDS OVER STOREFRONT (SPACING NOT TO EXCEED 24" O.C.) ALL COLD-FORMED STEEL-TO-COLD-FORMED STEEL CONNECTIONS TO BE A MINIMUM OF (3) #8 SDS. REFER TO ARCHITECTURAL SECTIONS FOR FRAMING PROFILES AND MEMBER DEPTHS.
- FILL ALL CELLS IN MASONRY WALL A MINIMUM 4'-8" IN EACH DIRECTION FROM CORNER TO ALLOW FOR METAL BUILDING CONNECTIONS.



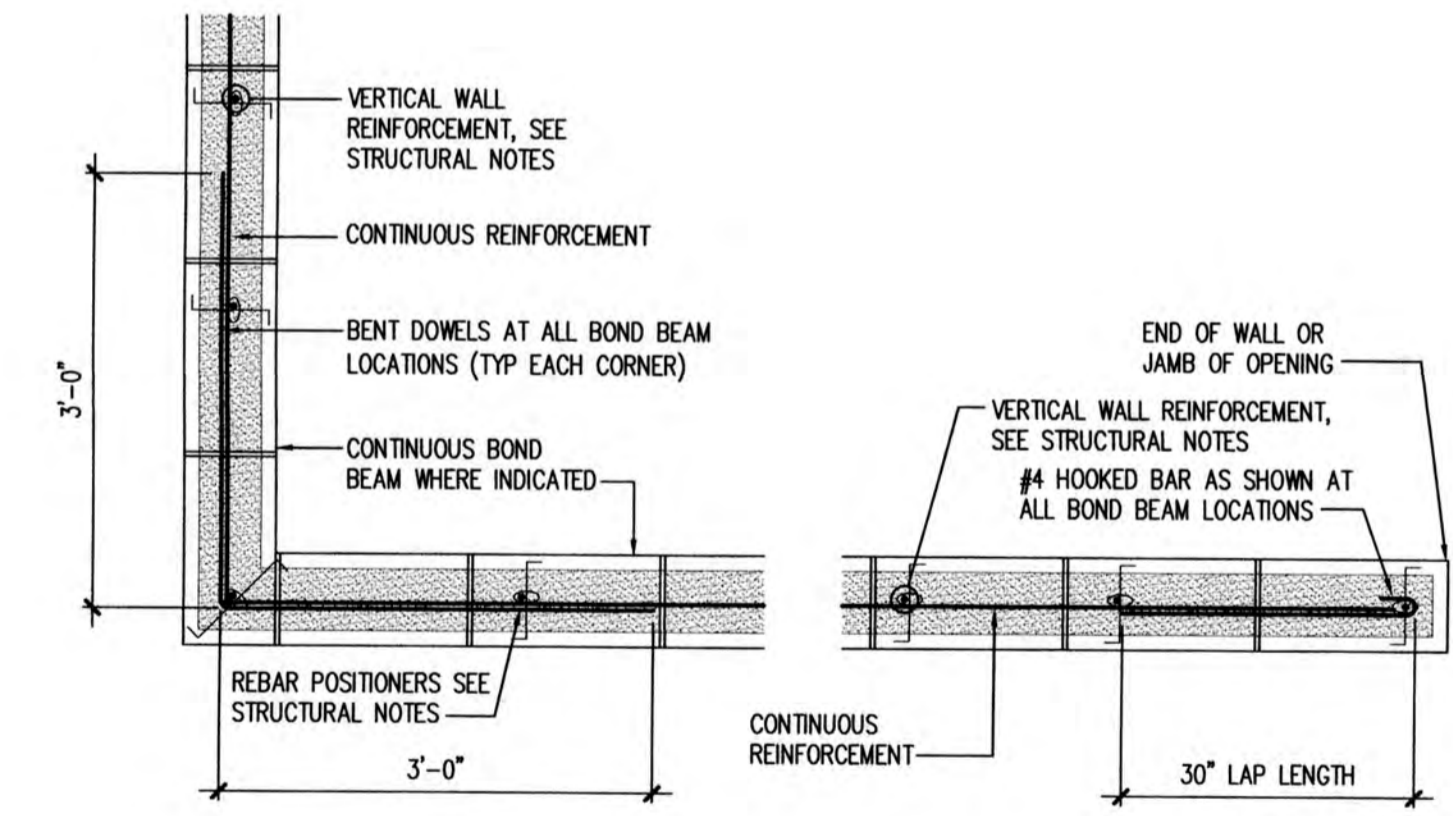
1 MASONRY WALL OPENINGS

S4 SCALE: NONE



2 TYPICAL MASONRY LINTEL DETAIL

S4 SCALE: NONE



3 PLAN VIEW OF TYPICAL MASONRY BOND BEAM

S4 SCALE: 1/8" = 1'-0"



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PROJECT:
NEW O'REILLY AUTO PARTS STORE
N. MARKSHEFFEL ROAD
COLORADO SPRINGS, CO #11
FLOOR PLAN

O'Reilly
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A1.1

GENERAL NOTES

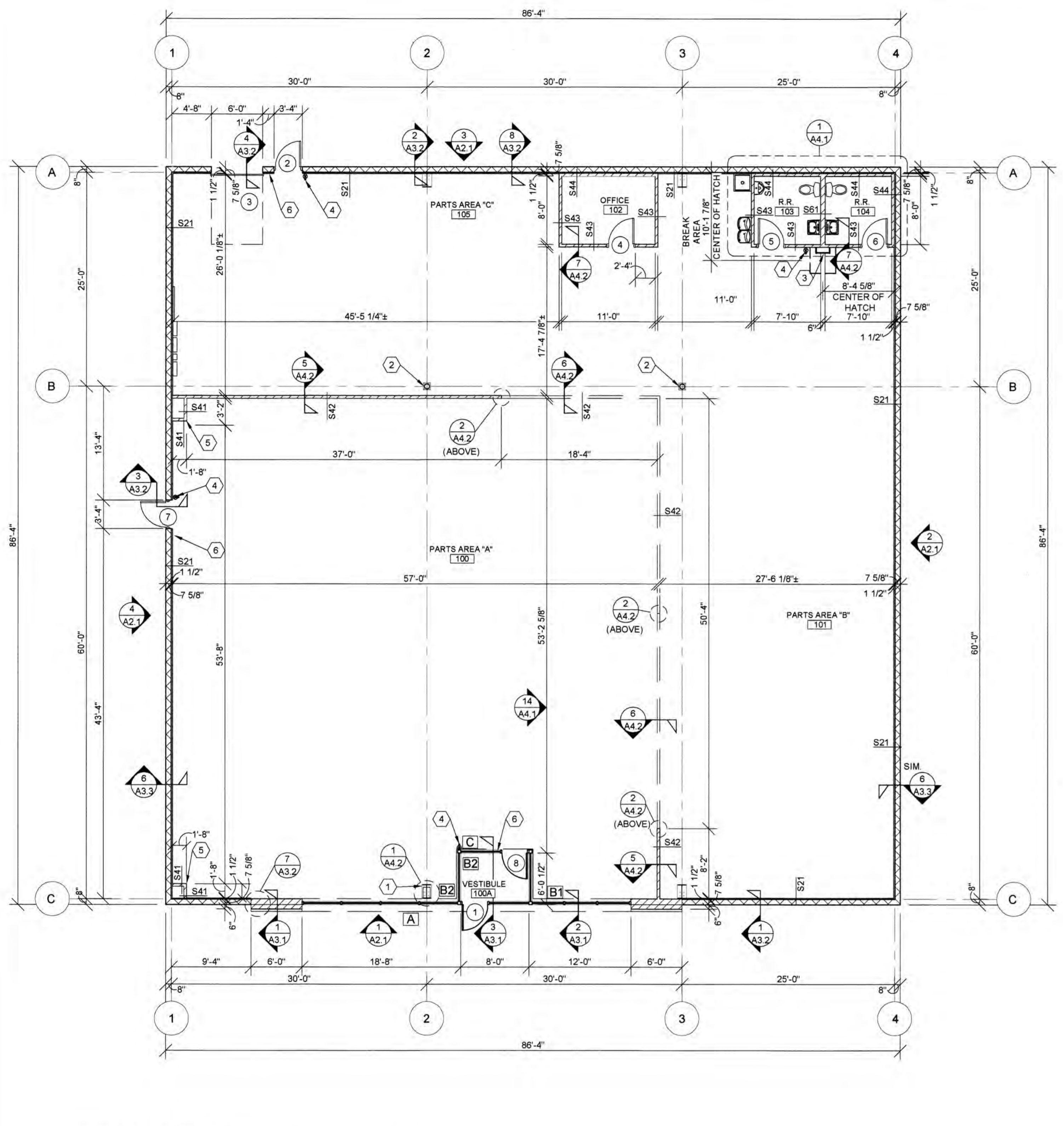
- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) ALL DIMENSIONS TO ROUGH FACE OF ROUGH FRAMING, CONCRETE, MASONRY OR CENTERLINE OF STRUCTURE, UNLESS OTHERWISE NOTED. COLD FORM METAL STUD INTERIOR PARTITION DIMENSIONS 3/8" UNLESS OTHERWISE INDICATED AND NOT SHOWN FOR CLARITY.
- (C) REFER TO EXTERIOR AND INTERIOR FINISH SCHEDULES FOR ADDITIONAL REQUIREMENTS.
- (D) REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS. NOTIFY ARCHITECT IF FINAL DESIGN CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.

KEY NOTES

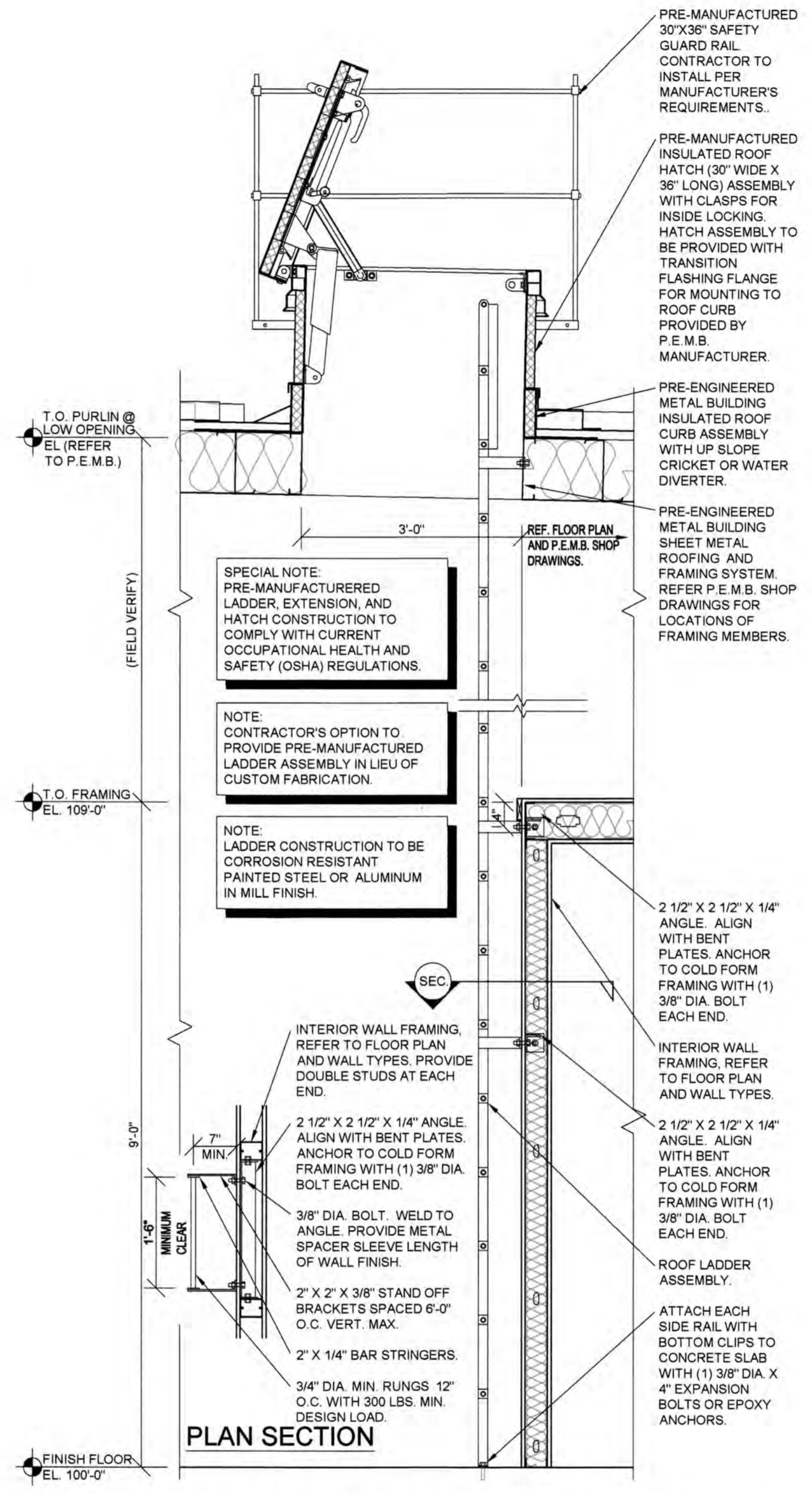
- (1) CONCEALED STEEL COLUMN, REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS. PROVIDE SHEET METAL COVER WITH NO EXPOSED HORIZONTAL SEAMS, FINISH TO MATCH WINDOW FRAMING.
- (2) EXPOSED STEEL COLUMN, REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS, (PAINT W-3, REFER INTERIOR FINISH SCHEDULE).
- (3) ROOF ACCESS LADDER, REFER TO DETAIL 2/A1.1.
- (4) SURFACE MOUNTED PORTABLE FIRE EXTINGUISHER, REFER TO DETAIL 10/A4.2.
- (5) SHOWROOM CORNER WALL BOX OUT. INSTALL 5/8" FIRE TREATED PLYWOOD BACKING TO BACK SIDE OF STUD INTERIOR FLANGE ON EACH EXPOSED WALL FACE FROM 8'-0" TO 10'-0" A.F.F. FOR INSTALLATION OF SECURITY MIRRORS. REFER TO 4/A4.2 (TYPICAL).
- (6) TACTILE EXIT SIGN AT EXIT DISCHARGE DOOR STATING "EXIT" WITH BRAILLE (GRADE 2 CONTRACTED) LETTERING. SIGN CONSTRUCTION AND LOCATION TO COMPLY WITH ANSI A117.1. MOUNT 48" MINIMUM ABOVE FINISH FLOOR TO BOTTOM OF LOWEST TACTILE CHARACTER AND 80" MAXIMUM ABOVE FINISH FLOOR TO BOTTOM OF HIGHEST TACTILE CHARACTER.

INTERIOR WALL & CEILING NOTES

- 1. GENERAL
 - A. REFER TO FINISH SCHEDULES FOR ADDITIONAL WALL FINISH MATERIAL APPLICATIONS.
- B. REFER TO WALL SECTIONS AND DETAILS FOR ADDITIONAL CONDITIONS.
- 2. FRAMING
 - A. PROVIDE FIRE TREATED 2X BLOCKING AS REQUIRED FOR INSTALLATION OF ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS.
 - B. PROVIDE DIAGONAL WALL BRACING (3" X 16 GA. FLAT STRIP) AT CORNER FACES OF FREE STANDING PARTITION SYSTEMS.
 - C. WHERE WALL FRAMING EXTENDS TO BOTTOM OF ROOF DECK OR STRUCTURE, PROVIDE DEFLECTION CHANNELS AT TOP TRACK FOR 1 1/2" MINIMUM DEFLECTION.
 - D. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL STUD REQUIREMENTS.
 - E. REFER TO WINDOW AND DOOR HEAD, JAMB AND SILL DETAILS FOR ADDITIONAL FRAMING REQUIREMENTS.
 - F. PROVIDE HORIZONTAL STUD BRIDGING AT 4'-0" O.C. VERTICAL.
- 3. GYPSUM AND BACKING BOARD
 - A. EXPANSION/CONTROL JOINTS: INSTALL EXPANSION/CONTROL JOINTS IN CEILINGS EXCEEDING 2500 SQ. FT. IN AREA AND IN PARTITION WALL LENGTHS EXCEEDING 30 FEET. DO NOT EXCEED A DISTANCE OF 50 FEET IN ANY DIRECTION BETWEEN CEILING JOINTS. INSTALL CONTROL JOINTS WHERE FRAMING OR FURRING CHANGES DIRECTION.
- B. PROVIDE MOISTURE RESISTANT TYPE "X" GYPSUM BOARD AT ALL WET LOCATIONS (RESTROOMS, WET WALLS, AND MOP BASIN AREAS).
- C. PROVIDE "J" MOLDING, REGLETS, OR CORNER BEAD AT GYPSUM BOARD PERIMETER CONDITIONS TRANSITIONING TO DISSIMILAR EXPOSED FINISH MATERIALS.
- 4. INSULATION
 - A. INSULATION SHALL HAVE A FLAME SPREAD RATING OF 0-25 AND A SMOKE DEVELOPMENT RATING OF 0-450.
 - B. PROVIDE SEALANT ON BOTH SIDES OF STUD BOTTOM TRACKS AT ACOUSTICAL INSULATED WALL LOCATIONS.

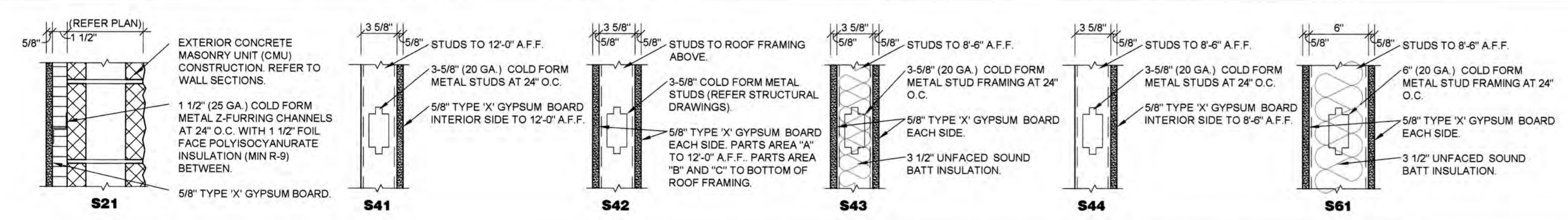


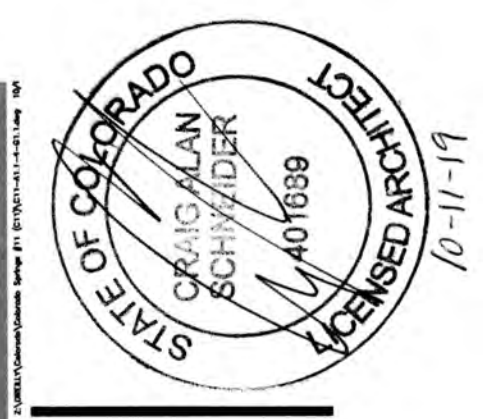
1 FLOOR PLAN
 A1.1 SCALE: 1/8" = 1'-0"



2 INTERIOR ROOF LADDER SECTION
 A1.1 SCALE: 3/4" = 1'-0"

INTERIOR WALL TYPES
 (SCALE 1 1/2" = 1'-0")





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PROJECT:
NEW O'REILLY AUTO PARTS STORE
N. MARKSHEFFEL ROAD
COLORADO SPRINGS, CO #11
INTERIOR FINISH PLAN

O'Reilly AUTO PARTS
 CORPORATE OFFICES
 233 SOUTH PATTERSON
 SPRINGFIELD, MISSOURI 65802
 (417) 862-2674 TELEPHONE

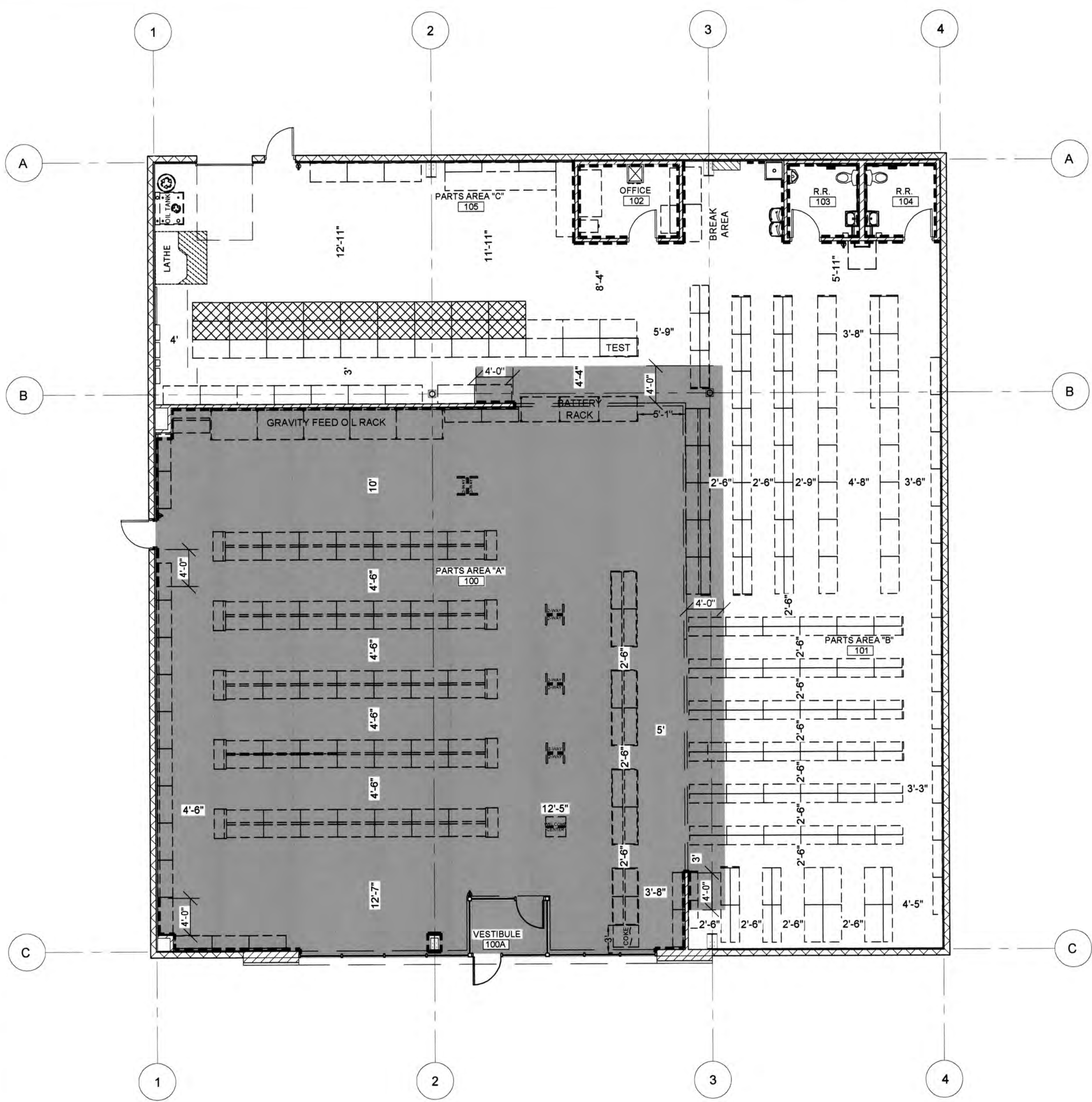
COMM # 4369
 DATE: 10-11-19
 REVISION
 DATE:

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) FIXTURES AND EQUIPMENT SHOWN FOR REFERENCE ONLY AND ARE OWNER FURNISHED AND INSTALLED.
- (C) DIMENSIONS TO ROUGH FACE OF ROUGH FRAMING OR FACE OF FIXTURE UNLESS OTHERWISE NOTED.
- (D) ALL FINISH SUBSTITUTION REQUEST REQUIRE OWNER PRIOR APPROVAL.

INTERIOR FINISH TYPES

- FLOORS**
F-1:
 TYPE: POLISHED CONCRETE FINISH
 MFG: (REFER TO PROJECT MANUAL - SECTION 03 35 43)
 COLOR: NATURAL CONCRETE, CLEAR
- F-2:**
 TYPE: LIQUID DENSIFIER TREATED CONCRETE FINISH
 MFG: (REFER TO PROJECT MANUAL - SECTION 03 30 00)
 COLOR: NATURAL CONCRETE, CLEAR
- BASE**
B-1:
 TYPE: RESILIENT BASE
 MFG: EQUAL TO VPI
 SIZE: 4" COVE
 COLOR: JET, #01
- WALLS**
W-1: NOT USED
- W-2:**
 TYPE: PAINT
 MFG: SHERWIN WILLIAMS
 SERIES: SEMI GLOSS LATEX
 COLOR: SW6126 "NAVAJO WHITE"
- W-3:**
 TYPE: PAINT
 MFG: SHERWIN WILLIAMS
 SERIES: SEMI GLOSS LATEX
 COLOR: SW6468 "HUNT CLUB"
- W-4:**
 TYPE: SANITARY WALL AND CEILING PANEL SYSTEM
 MFG: (REFER PROJECT MANUAL)
 COLOR: WHITE
- CEILINGS**
C-1:
 TYPE: ACOUSTICAL TILE CEILING
 SIZE: 24" X 48" X 5/8", SQUARE EDGE
 MFG: ARMSTRONG SPECIFIED
 SERIES: 1729 "FINE FISSURED"
 COLOR: WHITE
 GRID SERIES: "PRELUDE" 15/16" EXPOSED TEE SYSTEM
 GRID COLOR: WHITE
- C-2:**
 TYPE: EXPOSED INSULATION VAPOR BARRIER (WHITE) AND EXPOSED STEEL FRAMING SYSTEM (FACTORY PRIMED)
- C-3:**
 TYPE: PAINT
 MFG: SHERWIN WILLIAMS
 SERIES: SEMI GLOSS LATEX
 COLOR: SW6126 "NAVAJO WHITE"
- DOORS AND FRAMES**
D-1 (INTERIOR WOOD DOORS):
 TYPE: STAIN
 SPECIES: CUSTOM GRADE ROTARY SLICED NATURAL BIRCH
 FINISH: FACTORY FINISHED
 COLOR: EQUAL TO "GRAHAM" #300, MEDIUM BROWN
- D-2 (INTERIOR HOLLOW METAL FRAMES)**
 TYPE: PAINT
 MFG: SHERWIN WILLIAMS
 SERIES: SEMI GLOSS ENAMEL
 COLOR: SW6468 "HUNT CLUB"
- D-3 (EXTERIOR DOORS & FRAMES):**
 TYPE: PAINT
 FINISH: REFER TO EXTERIOR FINISH SCHEDULE
 COLOR: REFER TO EXTERIOR FINISH SCHEDULE



1 FINISH PLAN
 A1.2 SCALE: 1/8" = 1'-0"

INTERIOR FINISH SCHEDULE

NO.	ROOM OR SPACE	FLOORING		WALLS				CEILING		DOORS		NOTES
		TYPE	BASE	NORTH	EAST	SOUTH	WEST	TYPE	HEIGHT	DOOR	FRAME	
100	PARTS AREA (A)	F-1	B-1	W-2 / W-3	W-2 / W-3	W-2 / W-3	W-2 / W-3	C-1	11'-6"	D-3	D-3	2, 4, 6
101	PARTS AREA (B)	F-2	N/A	W-2 / W-3	W-2 / W-3	W-2	W-2	C-2	VARIES	-	-	1, 2, 3, 5
102	OFFICE	F-2	B-1	W-2	W-2	W-2	W-2	C-3	8'-6"	D-1	D-2	
103	REST ROOM	F-2	B-1	W-4	W-4	W-4	W-4	C-3	8'-6"	D-1	D-2	
104	REST ROOM	F-2	B-1	W-4	W-4	W-4	W-4	C-3	8'-6"	D-1	D-2	
105	PARTS AREA (C)	F-2	N/A	W-2	W-2 / W-3	W-2 / W-3	W-2	C-2	VARIES	D-3	D-3	1, 2, 5
100A	VESTIBULE	F-1	-	-	-	-	-	C-3	11'-4"	-	-	

INTERIOR FINISH SCHEDULE NOTES:
 1. PAINT EXTERIOR OF (102) OFFICE, (103) RESTROOM, AND (104) RESTROOM WITH W-3 AND PROVIDE BASE B-1, WHERE MULTIPLE WALL FINISH TYPES INDICATED IN SCHEDULE RELATES TO VARIOUS WALL FINISH TYPES BY ROOM OR SPACE PLAN ORIENTATION ONLY AND IS NOT INTENDED AS WAINSCOT PATTERNING OF FINISHES ON A SINGLE WALL PLANE.

2. LOCATION OF BASE GRAPHICALLY INDICATED ON DRAWING, REFER SYMBOLS LEGEND.

3. PROVIDE PIECES OF 2' LENGTH BASE FOR INSTALLATION AT ENDS OF PARTS AREA "B" FIXTURES FACING PARTS AREA "A".

4. REFER TO ELECTRICAL DRAWINGS FOR GRID LAYOUT.

5. (WHERE OCCURS) PAINT INTERIOR ISOLATED EXPOSED STRUCTURAL STEEL COLUMNS TO MATCH W-3. (UNLESS OTHERWISE INDICATED) EXPOSED EXTERIOR PERIMETER STRUCTURAL STEEL COLUMNS TO BE FACTORY PRIMED ONLY.

6. REFER TO 14/A.1 FOR PARTS AREA "A" TYPICAL PAINT SCHEME LAYOUT AND FINISH TYPE LOCATIONS FOR ROOM INTERIOR PERIMETER WALLS.

SYMBOLS LEGEND

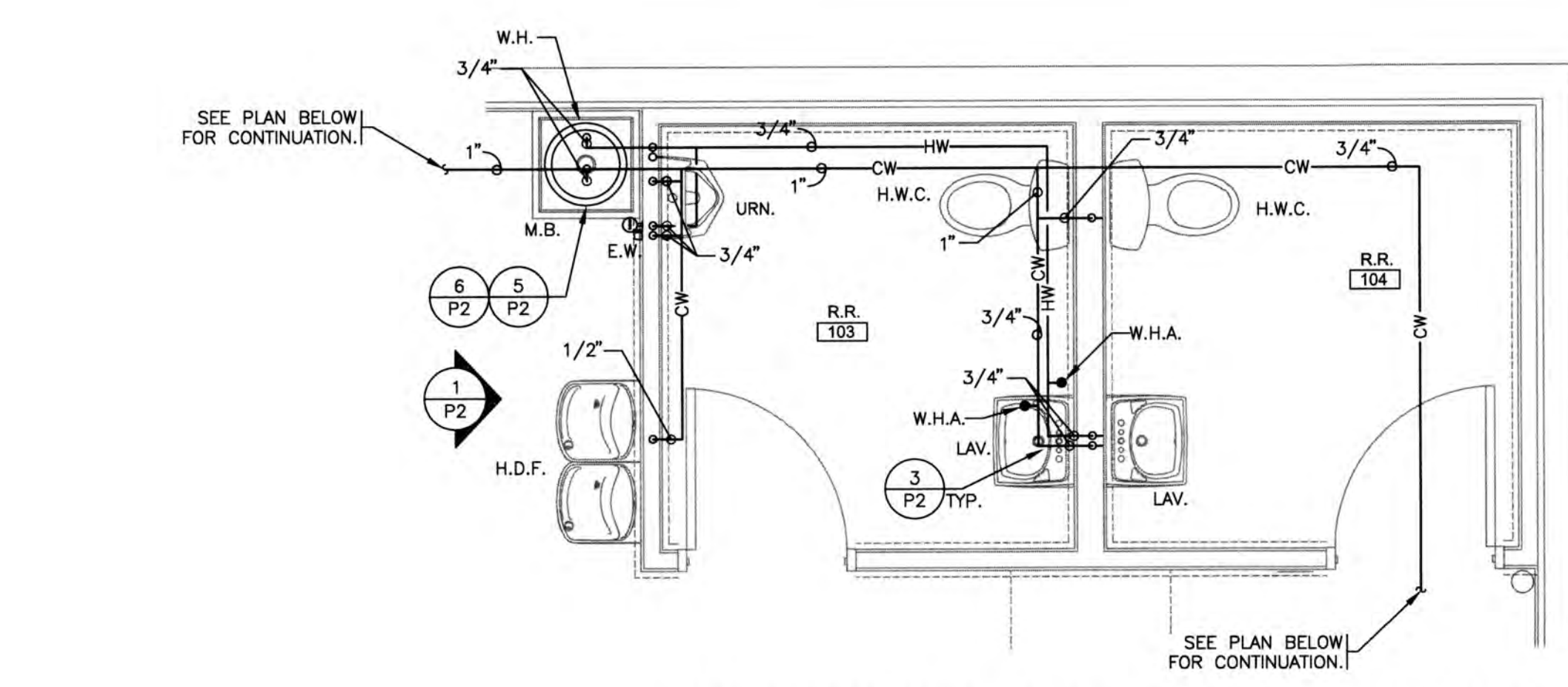
- F-1: POLISHED CONCRETE:
- F-2: LIQUID DENSIFIER TREATED CONCRETE
- B-1: BASE:

PLUMBING FIXTURE SCHEDULE / SPEC. 22 00 00 & 22 40 00 / ALL FIXTURES & FITTINGS MUST BE "LEAD FREE"										
MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	ACCESSORIES	PIPING REQUIREMENTS			REMARKS	APPROVED MANUFACTURER'S	CODE APPROVALS
					WASTE	VENT	SUPPLY			
H.W.C.	HANDICAP ACCESSIBLE WATER CLOSET (TANK TYPE)	AMERICAN STANDARD	CADET RIGHT HEIGHT BOWL RIM Ø 16-1/2" H PRESSURE-ASSISTED TOILET 2467.016	CHURCH 9500CT WHITE OPEN FRONT SEAT COMPLETE W/BOLT CAPS	4"	2"	1/2"	LOW-CONSUMPTION 1.6 GPF MAX. MEETS ADA GUIDELINES	ZURN	ANSI A117.1, ADA COMPLIANT
LAV.	HANDICAP ACCESSIBLE LAVATORY (WALL MOUNTED)	AMERICAN STANDARD	LUCERNE 0355.012 4" CENTERS	ZURN #Z8737 FLAT GRID SINK STRAINER, DELTA #501-DST CLASSIC CENTERSET FAUCET, JAY R. SMITH #0700-M31 FLOOR MOUNTED LAVATORY SUPPORTS IN WALL	2"	2"	3/4"	SEE NOTE 2, 1.5 GPM MAX.	ZURN	ANS A117.1 ASME A112.18.1, ASME A112.18.2, ADA COMPLIANT
M.V.	THERMOSTATIC MIXING VALVE	WATTS	#LFMV-M1-US-1/2"	THERMOSTATIC MIXING VALVE	-	-	1/2"	SEE DETAIL 3/P2 & NOTE #4 110°F MAXIMUM WATER TEMP.	WILKINS, POWERS	ASSE 1070, IAPMO, ADA COMPLIANT, CUPC, NSF/ANSI 61
H.D.F.	BARRIER-FREE TWO STATION HI-LO DRINKING FOUNTAIN	ELKAY	EZSTL8LC	ACCESSORY APRON #LKAPREZL	2"	2"	1/2"	REFER TO ARCHITECTURAL SHEETS FOR MOUNTING HEIGHTS	HALSEY TAYLOR	ADA COMPLIANT
F.D.	FLOOR DRAIN	ZURN	ZN415-B-P	1/2" TRAP PRIMER CONNECTION	2"	2"	-	COMBINATION WASTE VENT	WADE & JAY R. SMITH	ASSE 1019-B
C.O.	CLEANOUT (INTERIOR)	JAY R. SMITH	4100	W/CARPET CLAMPING RING WHERE REQUIRED	SEE PLAN	-	-	SAME SIZE AS LINE	WADE & ZURN	-
C.O.1	CLEANOUT (EXTERIOR)	JAY R. SMITH	4250	-	SEE PLAN	-	-	SAME SIZE AS LINE	WADE & ZURN	-
W.H.A.	WATER HAMMER ARRESTER	SIOUX CHIEF	652-A	-	-	-	-	-	WILLIAMS	-
H.B.	HOSE BIBB	WOODFORD	MODEL 65	W/WALL CLAMP	-	-	3/4"	OPERATING ROD ASSEMBLY MUST BE ORDERED PER WALL WIDTH	-	-
M.B.	MOP BASIN	FIAT	FIAT MSB-2424	FIAT #832-AA HOSE & BRACKET, FIAT #889-CC-24" MOP HANGER, ZURN #Z842M4-WHK-SH SERVICE FAUCET	3"	2"	3/4"	W/VACUUM BREAKER ON FAUCET. ALSO ADD HOSE CONNECTION VACUUM BREAKER (WATTS #B) ON FAUCET'S SPOUT	STERN-WILLIAMS	-
E.W.	EYE WASH	SPEAKMAN	SEF-9200	SPEAKMAN THERMOSTATIC MIXING VALVE (SEF-TW), SEF-9200-LR	-	-	3/4"	SET MIXING VALVE TO DELIVER 80°F NOTE: TEPID WATER RANGE IS 60°F-100°F	BRADLEY, HAWS	ASME A112.18.1-2000, CSA B125-98, ANSI Z358-1, ASSE 1011
SRBP	SPILL-RESISTANT BACKFLOW PREVENTER	WATTS	LF008PQCT-1/2"	HEALTH HAZARD, ANTI-SIPHON, SPILL-RESISTANT BACKFLOW PREVENTER	-	-	1/2"	MAY BE INSTALLED VERTICALLY	-	ASSE 1056
URN.	URINAL (WALL MOUNTED)	ZURN	Z5755-U OMNI-FLO	SLOAN ROYAL #186-1 FLUSH VALVE, ZURN #Z1222 FLOOR MOUNTED URINAL SUPPORT	2"	2"	3/4"	1.0 GPF. BACK OF URINAL TO BE MOUNTED FLUSH WITH THE FACE OF FINISHED WALL. SEE DETAIL 9/P2	AMERICAN STANDARD	ASME A1212.19.2, ANSI A117.1, ADA COMPLIANT

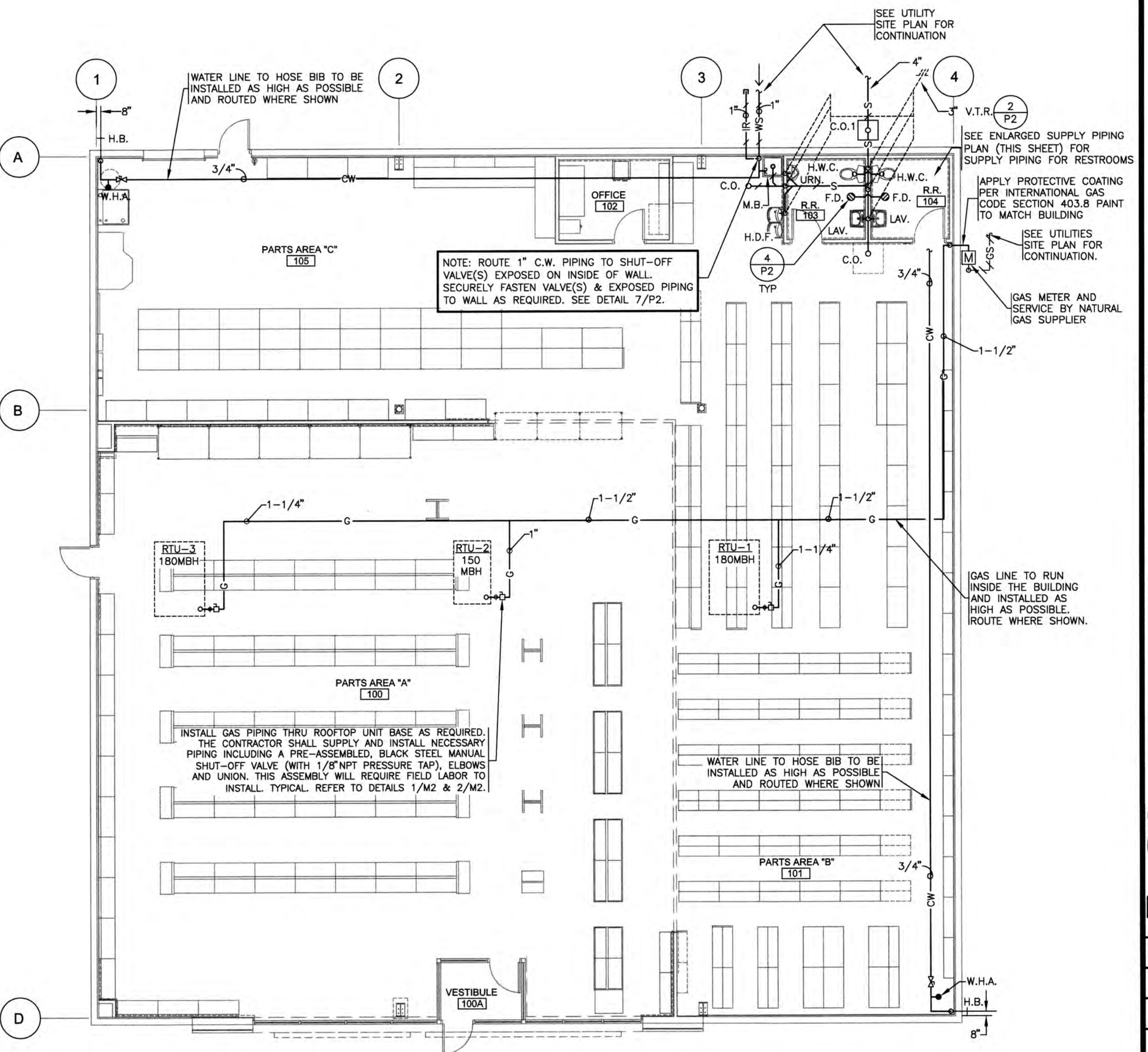
NOTES:
 1. COORDINATE ROUGH-IN OF ALL PLUMBING FIXTURES W/ARCHITECTURAL DRAWINGS.
 2. SINKS & LAVATORIES FOR HANDICAPPED ACCESS SHALL BE INSTALLED W/OFFSET TAILPIECES. ALL SINK & LAVATORY DRAIN & WATER LINES SHALL BE INSULATED W/PROTECTIVE DEVICES EQUAL TO "McGUIRE" #FW 2150 WC, WHITE MOLDED CLOSED CELL VINYL, OR "TRUEBROT" #103W, WHITE MOLDED VINYL.
 3. FOR HANDICAPPED-ACCESSIBLE WATER CLOSET, FURNISH & INSTALL W/THE FLUSH HANDLE ON THE WIDE SIDE OF THE RESTROOM.
 4. ALL LAVATORIES SHALL BE INSTALLED WITH A THERMOSTATIC MIXING VALVE.

OWNER SUPPLIED, CONTRACTOR INSTALLED										
W.H.	WATER HEATER (ELECTRIC)	A.O. SMITH	EJCS-20	(19 GALLONS) 120V, 1Ø, 1.65 KW ELEMENT WITH T & P RELIEF VALVE	-	-	3/4"	PIPE DRAIN LINE FROM P & T RELIEF VALVE DOWN IN SHELF PAN SEE DETAIL 5/P2 & 6/P2	NO SUBSTITUTIONS	CSA, ASME RATED, NAECA
SHELF	WATER HEATER SHELF	HOLDRITE	#40-SWHP-WM	SUPPORTS WATER HEATERS UP TO 20 GALLON OR 300 LBS	-	-	-	PIPE DRAIN LINE FROM SHELF PAN SEE DETAIL 5/P2 & 6/P2	NO SUBSTITUTIONS	-
T.E.A.	THERMAL EXPANSION ABSORBER	AMTROL	ST-12	-	-	-	-	-	NO SUBSTITUTIONS	-

NOTE: WATER HEATER, SHELF AND T.E.A. SHALL BE DIRECT ORDERED AND OR RELEASED FROM THE LISTED ELECTRICAL EQUIPMENT DISTRIBUTOR:
 GRAYBAR ELECTRIC CO. INC.
 11885 LACKLAND ROAD
 ST. LOUIS, MO 63148
 GRAYBAR O'REILLY TEAM
 EMAIL: oreilly@graybar.com
 TOLL FREE: (314) 573-2080



ENLARGED SUPPLY PIPING PLAN
 SCALE: 3/8" = 1'-0"



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

PLUMBING NOTES

- DRAWING IS DIAGRAMMATIC & IS NOT TO BE SCALED. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS.
- ALL PLUMBING WORK IS TO BE DONE IN ACCORDANCE WITH THE APPLICABLE CODE(S) NOTED ON THE COVER SHEET.
- VALVES ON WATER LINES SHALL BE BRONZE BALL VALVES. DO NOT SUBSTITUTE GATE OR GLOBE VALVES. VALVES SHALL BE THE SAME SIZE AS THEIR INLET PIPING. (SPEC 22 05 00)
- ALL PLUMBING FIXTURES ARE TO BE FURNISHED COMPLETE WITH NECESSARY STOPS, TRAPS, TAILPIECES, TRIM, ETC. (SPEC 22 40 00)
- THE CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS & SUBCONTRACTORS IN LAYING HIS OUT & INSTALLING HIS WORK. COOPERATION DOES NOT MEAN "I WAS HERE FIRST".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE & FUNCTIONAL SYSTEM IN ACCORDANCE W/ THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
- DO NOT INSTALL CAPPED AIR CHAMBERS AT FIXTURES. INSTALL WATER HAMMER ARRESTERS AS CALLED FOR ON PLAN. ARRESTERS ARE TO BE RATED FOR INSTALLATION IN CONCEALED LOCATIONS. (SPEC 22 00 00)
- ALL HOT & COLD WATER SUPPLY PIPING CONNECTION TO FIXTURES ARE TO BE 1/2" UNLESS NOTED OTHERWISE.
- PLUMBING PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELS. PROVIDE REQUIRED CLEARANCES PER "N.E.C." COORDINATE ELECTRICAL PANEL LOCATIONS W/ THE ELECTRICAL CONTRACTOR.
- INSTALL PIPE INSULATION ON ALL DOMESTIC WATER LINES ABOVE FINISH FLOOR (SPEC 22 07 19).
- CONTRACTOR SHALL COORDINATE WITH ALL STATE & LOCAL BUILDING REGULATION AGENCIES & UTILITY COMPANY(S) IN THE PROCUREMENT OF & PAYMENT OF ALL PERMITS, LICENSES, FEES & CHARGES REQUIRED FOR THE PERFORMANCE OF THE WORK.
- PROVIDE CHROME ESCUTCHEON COVERPLATES AT ALL PIPE PENETRATIONS OF FINISHED WALL SURFACES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ROUTE ALL WATER PIPING AROUND SPACES W/ TEMPERATURES BELOW FREEZING (i.e. ATTICS, CHASES, EXTERIOR WALLS, ETC.). IF FREEZING OF ANY WATER PIPING OCCURS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THE PIPING THRU A NON-FREEZING SPACE TO THE FIXTURE/APPLIANCE ORIGINALLY SERVED BY THE FROZEN PIPING.
- ALL CAULKING ON BUILDING PENETRATIONS SHALL BE A 1-COMPONENT NON-SAG URETHANE SEALANT. ANY CONTRACTOR WHO USED SILICONE OR ANY OTHER CAULKING WILL BE REQUIRED TO REMOVE & REPLACE WITH A SPECIFIED SEALANT (SPEC 07 92 00).
- PLUMBING SUB-CONTRACTOR SHALL INFORM THE ELECTRICAL SUB-CONTRACTOR OF THE VOLTAGE & POWER REQUIREMENTS OF ALL PLUMBING EQUIPMENT TO BE INSTALLED.
- ALL GAS PIPING INSTALLATIONS SHALL COMPLY WITH "NFPA-54" NATURAL GAS OR "NFPA-58" LP GAS (latest edition).
- ALL WATER HEATERS & HOT WATER STORAGE TANKS SHALL HAVE A DRAIN VALVE INSTALLED AT THE BOTTOM OF THE TANK AS REQUIRED BY CODE.

PLUMBING PIPE MATERIALS

(SEE SPEC SECTION 22 00 00 FOR ADDITIONAL INFORMATION.)

- A. The following applications are for inside, below & above the building slab and ending at a point 5'-0" outside the perimeter building walls.
- Domestic Water Distribution Piping Below Ground: All interior domestic water piping shall be type "K" hard drawn copper tubing (SIL-FOS 2, FOS-FLO 7 or other silver brazing material). This is required for the water service line from the shut-off valve in the building to a point 5 feet outside the building.
 - Domestic Water Distribution Piping Above Ground: Hard copper tube, Type L
 - Soil, Waste, and Vent Piping Below Ground: Schedule 40 poly vinyl chloride (PVC) plastic DWV pipe;
 - Soil, Waste, and Vent Piping Above Ground: Hubless cast-iron soil pipe or Poly vinyl chloride (PVC) plastic DWV pipe
 - Note: PVC piping is not permitted in air-handling ceiling spaces, use only cast-iron or ductile iron pipe in these locations.
- B. The following applications are for only from 5'-0" outside the building to the utility point of connection (POC).
 Underground domestic water service piping from a point 5 feet outside the building to the POC.
 (See Site Utilities Plan for which piping material (Copper or PVC) is required):
- 1/2" - 1-1/2", Schedule 40 PVC pipe with solvent-welded joints.
 - 1-1/2" - 3", SDR-21, PVC pipe (ASTM D2241) Class 200, Bell and Spigot with rubber gasketed joints.
 - 3/2" - 3", Type "K" hard drawn copper tubing (SIL-FOS 2, FOS-FLO 7 or other silver brazing material).
 - 4" and larger, SDR-18 PVC pipe (AWWA C-900) Class 150 Bell and Spigot with rubber gasketed joints.
- Underground sanitary sewer service piping from a point 5 feet outside the building to the POC.
- Polyvinyl chloride (PVC) sewer pipe shall conform to ASTM D3034 (SDR-35).
 - Cast iron or ductile iron pipe shall conform to USASI #A-21 class 50.
- C. GAS pipe material:
 Low-Pressure Gas Systems, above Ground within or outside Building:
 Use the following:
- 2 Inches and Smaller: Steel pipe, malleable iron, threaded fittings, and threaded joints.
 - 2-1/2 Inches and Larger: Steel pipe, butt-welding fittings, and welded joints.

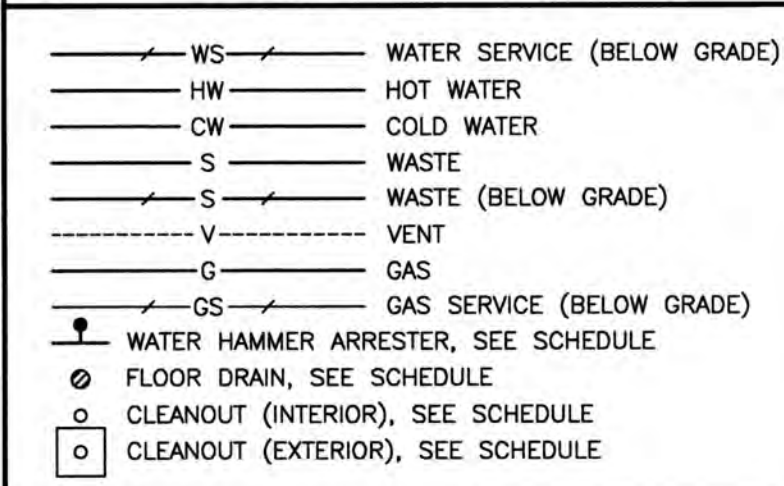
GAS LOAD

(PIPE SIZING BASED ON INTERNATIONAL FUEL GAS CODE, TABLE 402.4(2))

ITEM	MBH/INPUT
ROOFTOP UNIT (RTU-1)	180
ROOFTOP UNIT (RTU-2)	150
ROOFTOP UNIT (RTU-3)	180
TOTAL CONNECTED LOAD	510

GAS PIPING SIZED USING LONGEST MAXIMUM RUN OF EQUIVALENT LENGTH OF PIPING = 150'-0"
 INLET PRESSURE = 7in W.C. OR 1/4 psig
 MAXIMUM PRESSURE DROP = .5 INCH W.C. AND .6 SPECIFIC GRAVITY

PIPING LEGEND

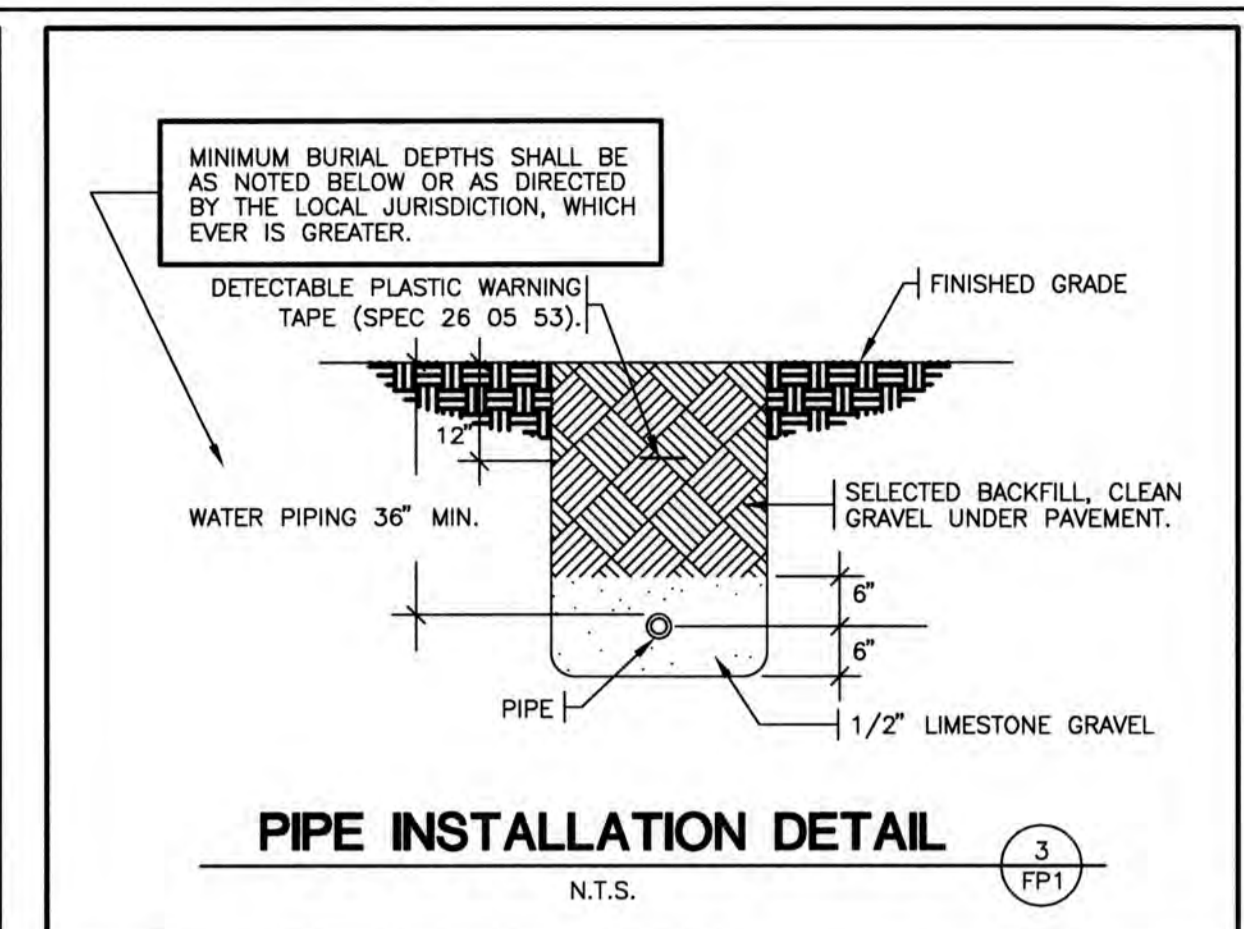
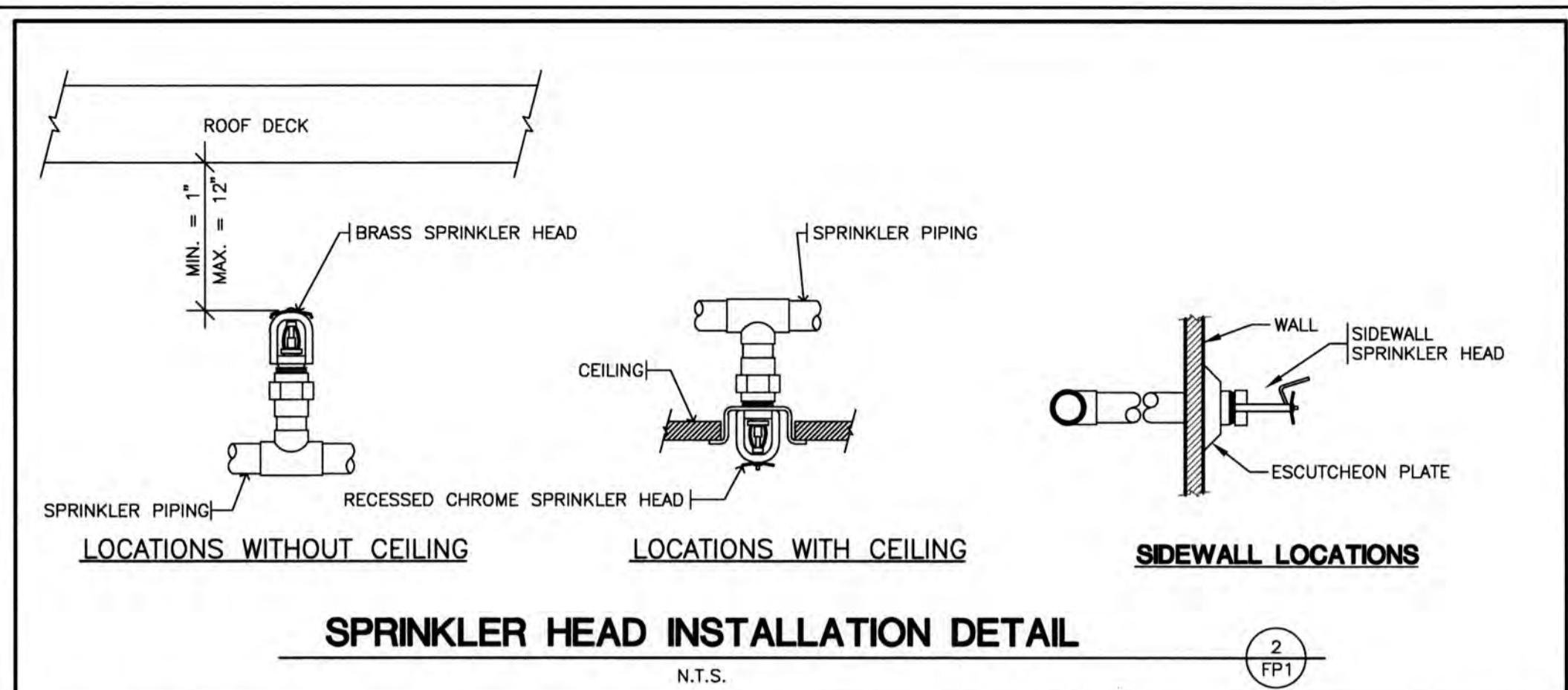
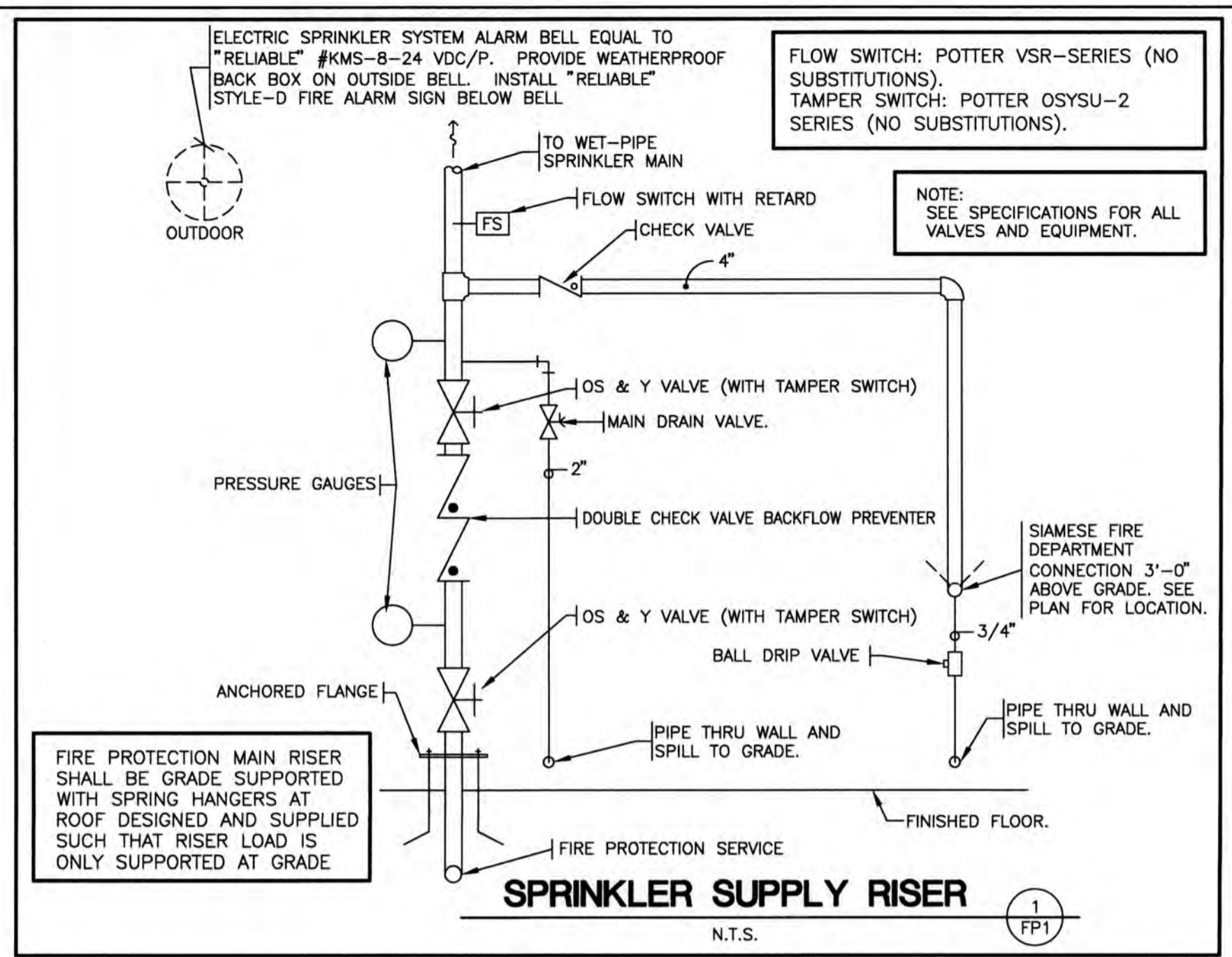


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PLUMBING PLAN

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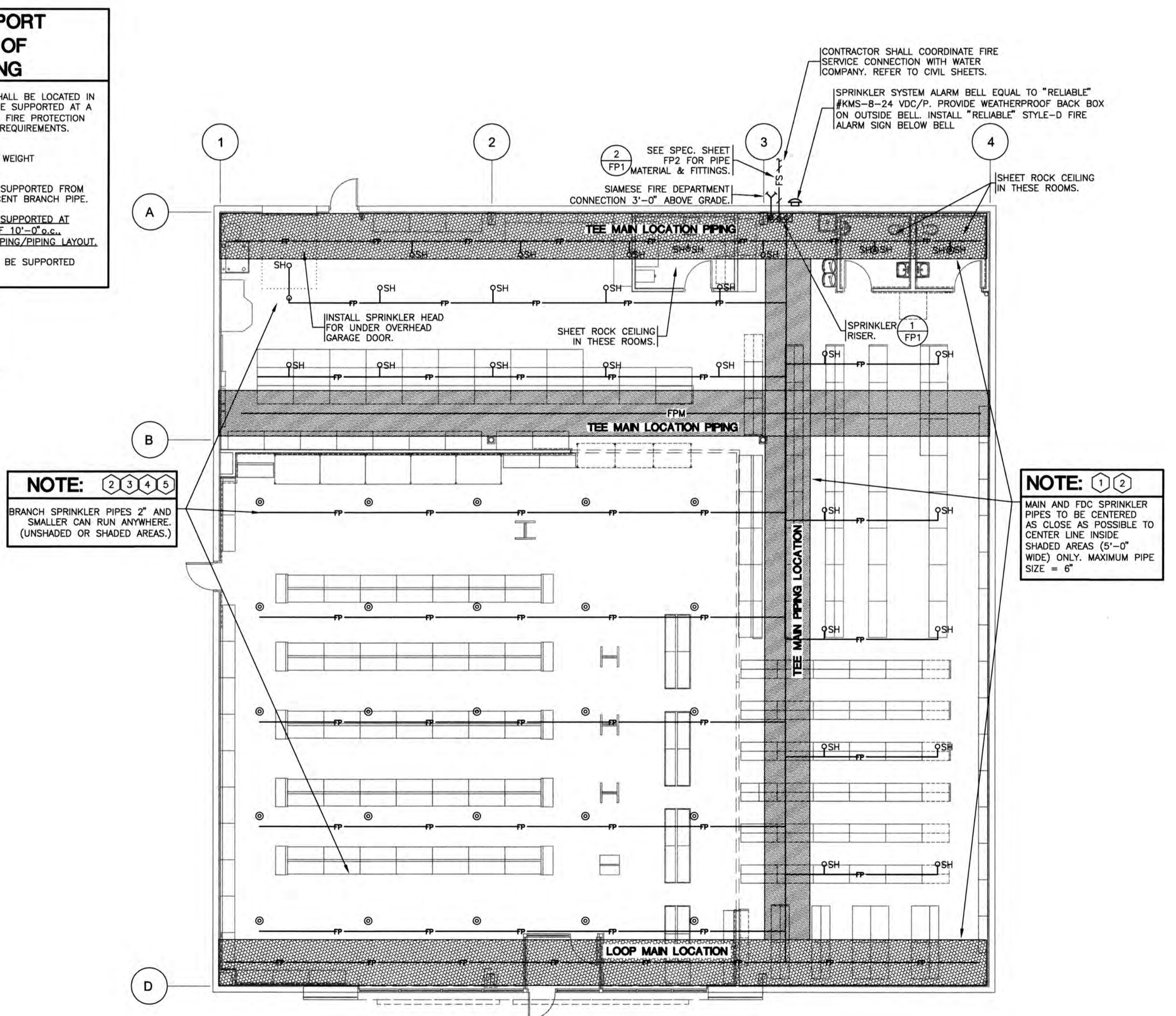
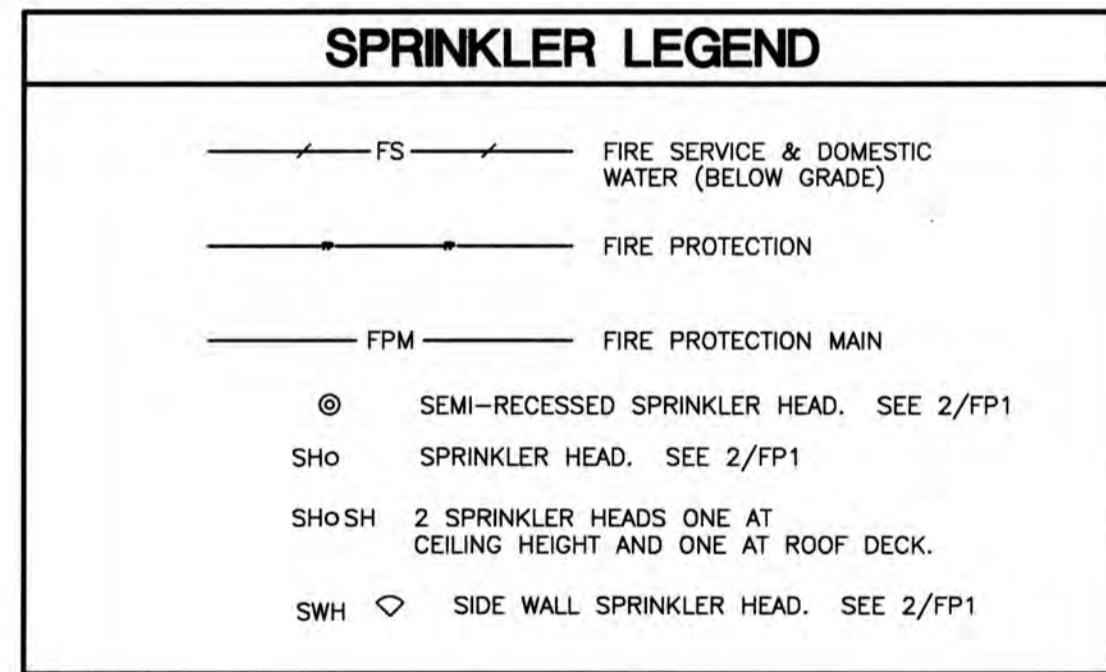
WORKING PLAN & HYDRAULICS:
WORKING PLANS & HYDRAULIC CALCULATIONS: SPRINKLER SYSTEM DRAWINGS PREPARED ACCORDING TO NFPA 13. WORKING PLANS AND HYDRAULIC CALCULATIONS SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE RESPECTIVE STATE OF THE PROJECT. SUBMIT TO: "WORKING PLANS AND HYDRAULIC CALCULATIONS" MUST BE SUBMITTED TO THE MEP DESIGN ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO SUBMISSION TO AUTHORITIES HAVING JURISDICTION. ONCE MEP DESIGN ENGINEER OF RECORD HAS APPROVED "WORKING PLANS AND HYDRAULIC CALCULATIONS," SUBMIT REQUIRED NUMBER OF SETS TO AUTHORITY HAVING JURISDICTION FOR REVIEW, COMMENT AND APPROVAL.

MONITORED FIRE ALARM SYSTEM NOTE:
IN THE EVENT A MONITORED FIRE SPRINKLER SYSTEM IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE FIRE ALARM SYSTEM WILL BE CONTRACTED DIRECTLY BY THE DIRECTOR OF FACILITY SECURITY, LEIGH SIDES, WITH THE O'REILLY AUTOMOTIVE CORPORATE OFFICE. THE GENERAL CONTRACTOR SHALL NOT PROCURE ANYONE TO INSTALL OR QUOTE THESE SYSTEMS UNLESS THEY HAVE BEEN ASKED TO DO SO BY LEIGH SIDES. PLEASE CONTACT LEIGH SIDES @ 417-829-5712 IF A SYSTEM IS NEEDED OR IF THERE ARE ANY QUESTIONS.

- GENERAL SPRINKLER NOTES**
- ALL DRAWINGS ARE "PRELIMINARY" (AS DEFINED BY NFPA 13). DIAGRAMMATIC AND ARE NOT TO BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
 - THE CONTRACTOR SHALL COORDINATE WITH ALL STATE AND LOCAL BUILDING REGULATION AGENCIES AND UTILITY COMPANY(S) IN THE PROCUREMENT OF AND PAYMENT OF ALL PERMITS, LICENSES, FEES AND CHARGES REQUIRED FOR THE PERFORMANCE OF THE WORK.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL FEES AND DIRECT EXPENSES INVOLVED IN ANY INSPECTION REQUIRED FOR THE PROJECT.
 - SEE SPECIFICATION SECTION 20 02 00 "CONTRACT CLOSE-OUT AND COMMISSIONING" FOR WORK REQUIRED TO COMPLETE THIS PROJECT.
 - SEE SPECIFICATIONS FOR REQUIREMENTS FOR PIPING, SPRINKLER HEADS, BACKFLOW PREVENTION, SUBMITTALS, ETC.
 - SEE SPECIFICATIONS AND PLAN NOTES FOR HAZARD CLASSIFICATIONS. ALL PIPING SHALL BE SIZED BY HYDRAULIC CALCULATIONS.
 - ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 13 AND APPLICABLE BUILDING CODE REQUIREMENTS FOR SPRINKLERS.
 - COORDINATE ALL HEAD AND PIPE LOCATIONS WITH THE WORK OF OTHER TRADES. VERIFY ALL CEILING CONDITIONS. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
 - THE CONTRACTOR SHALL INSTALL A COMPLETE AND OPERABLE SYSTEM TO PROTECT THE BUILDING AS INDICATED, WHETHER OR NOT EVERY ELEMENT REQUIRED IS SPECIFICALLY CALLED OUT.
 - CONTRACTOR SHALL SUBMIT SPRINKLER SYSTEM DRAWINGS IDENTIFIED AS "WORKING PLANS". PREPARED ACCORDING TO NFPA 13. SUBMIT REQUIRED NUMBER OF SETS TO AUTHORITY HAVING JURISDICTION FOR REVIEW, COMMENT AND APPROVAL. INCLUDE SYSTEM HYDRAULIC CALCULATIONS, WORKING PLANS AND HYDRAULIC CALCULATIONS SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER. DO NOT SUBMIT UNSEALED DRAWINGS, AS THEY WILL BE REJECTED.
 - DO NOT INSTALL THE FIRE SERVICE OR ANY SPRINKLER SYSTEM PIPING UNTIL THE SPRINKLER SHOP DRAWINGS AND HYDRAULIC CALCULATIONS ARE APPROVED, BY THE FOLLOWING:
 - OWNER
 - ENGINEER
 - CODE OFFICIALS

- LOCATION & SUPPORT REQUIREMENTS OF SPRINKLER PIPING**
- FIRE PROTECTION MAIN AND FDC PIPING SHALL BE LOCATED IN SHADED AREAS AS SHOWN. PIPES SHALL BE SUPPORTED AT A MAXIMUM OF 5'-0" ON CENTER. REFER TO FIRE PROTECTION SUPPORT DETAILS FOR MINIMUM SUPPORT REQUIREMENTS.
 - REFER TO SHEET T1 FOR SPRINKLER PIPE WEIGHT REQUIREMENTS FOR PEMB DESIGN.
 - FIRE PROTECTION BRANCH PIPE SHALL BE SUPPORTED FROM DIFFERENT ROOF PURLINS THAN THE ADJACENT BRANCH PIPE.
 - FIRE PROTECTION BRANCH PIPE SHALL BE SUPPORTED AT ALTERNATE PURLINS AND AT A MAXIMUM OF 10'-0" o.c., UNLESS SHORTER SPACING DICTATED BY PIPING/PIPING LAYOUT.
 - ALL FIRE PROTECTION BRANCH PIPE SHALL BE SUPPORTED WITHIN 7'-6" OF MAIN PIPE.

FIRE SPRINKLER CONTRACTOR SHALL SIZE ALL PIPING FOR SPRINKLER SYSTEM.



FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"
AS DEFINED BY NFPA 13

PROJECT:
NEW O'REILLY AUTO PARTS STORE
N. MARKSHEFFEL ROAD
COLORADO SPRINGS, CO #11
FIRE PROTECTION PLAN

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4369
DATE: 10-11-19
REVISION
DATE:

FP1

OUTSIDE AIR SETUP:

CONTRACTOR TO SET DAMPERS AS FOLLOWS:

ECONOMIZER MODE MAXIMUM CFM PER UNIT
 7.5 TON RTU = 3,000
 5 TON RTU = 2,000

MINIMUM OUTSIDE AIR CFM:
 7.5 TON RTU (TYPICAL) = 585
 5 TON RTU (TYPICAL) = 400
 (DURING OCCUPIED HOURS ONLY)

HVAC OUTDOOR AIR REQUIREMENTS

MECHANICAL CODE REFERENCE:
 FOR REQUIRED OUTDOOR VENTILATION AIR IN RETAIL - "SALES/STORAGE ROOM"

1. SHOWROOM = 3442 SQUARE FEET
 2. HARD PARTS = 3783 SQUARE FEET

SHOWROOM (SALES)
 3442 (SQUARE FEET) + 1000 (SQUARE FEET) = 3,4420
 3,4420 x 15 (PERSONS/1000 SQUARE FEET) = 52 PERSONS
 (CFM/ PERSON x PERSONS) + (CFM/SQUARE FEET x SQUARE FEET) = CFM
 (7.5 x 52) + (12 x 3442) = 800.27 CFM OF OUTSIDE AIR REQUIRED
 800.27 + .8 (EFFECTIVENESS) = 1000.33 CFM

HARD PARTS (STORAGE ROOM)
 3783 x .12 (CFM/SQUARE FEET) = 453.96 CFM OF OUTSIDE AIR REQUIRED
 453.96 + .8 (EFFECTIVENESS) = 567.45 CFM

1000 CFM + 567 CFM = 1568 TOTAL CFM

TOTAL OUTSIDE AIR MINIMUM REQUIRED BY CODE: 1568 CFM
 OUTSIDE AIR SPECIFIED ON PLAN SHEET M1: 1570 CFM

HVAC SYSTEMS TESTING & BALANCING

THE HVAC SYSTEM SHALL BE TESTED AND BALANCED (T&B) BY THE CONTRACTOR PER SPEC SECTION: 23_05_93 AND IN ACCORDANCE WITH THE PROCEDURES OF AABC OR NEBB. CONTRACTOR SHALL SUBMIT WRITTEN T&B REPORTS TO THE OWNER. SINCE THIS O'REILLY STORE IS LESS THAN 50,000 SQ. FT. THEN SYSTEM COMMISSIONING IS NOT REQUIRED PER ASHRAE 90.1.

HVAC LEGEND

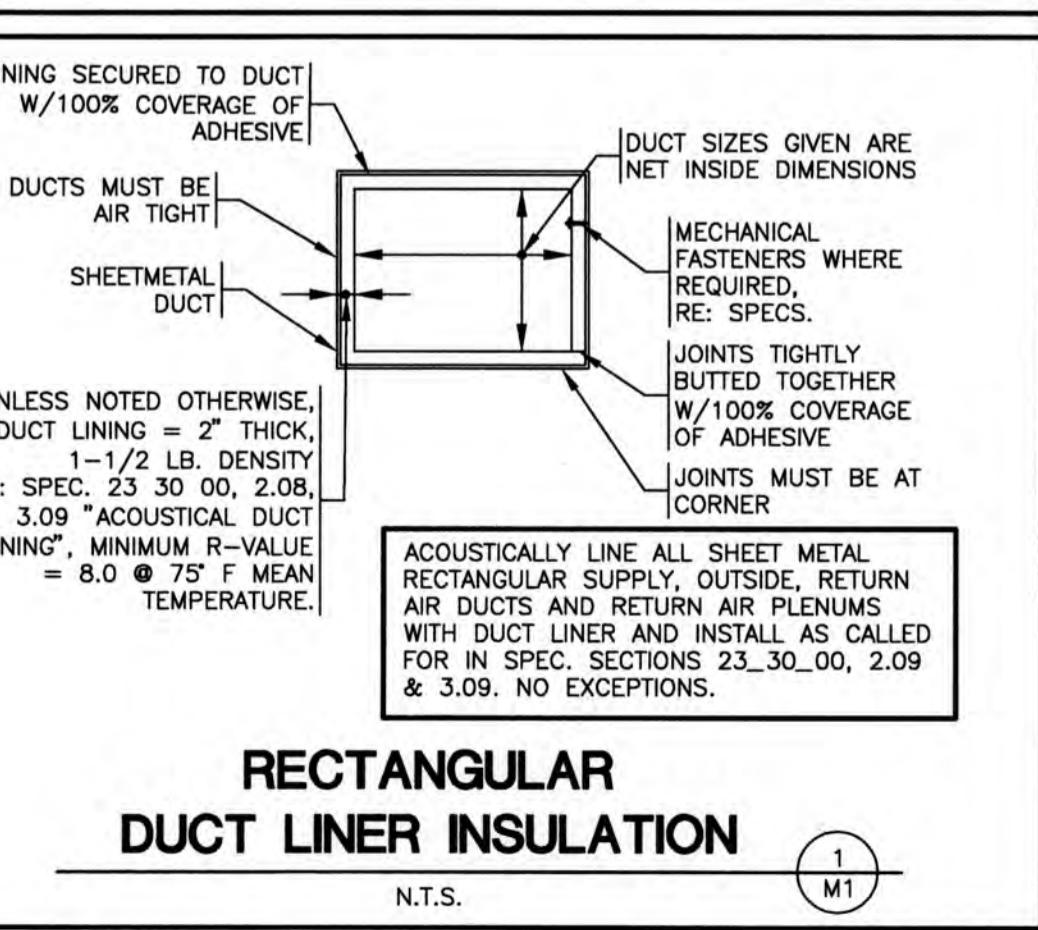
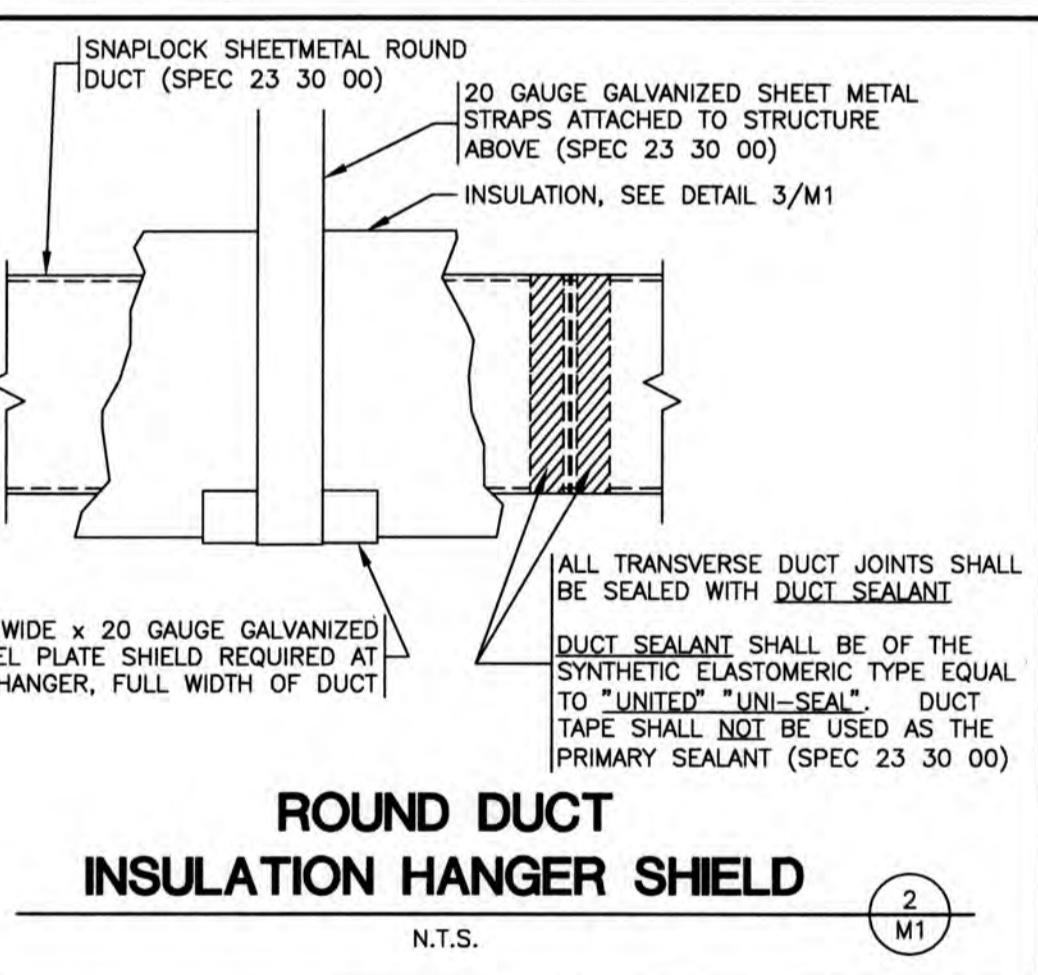
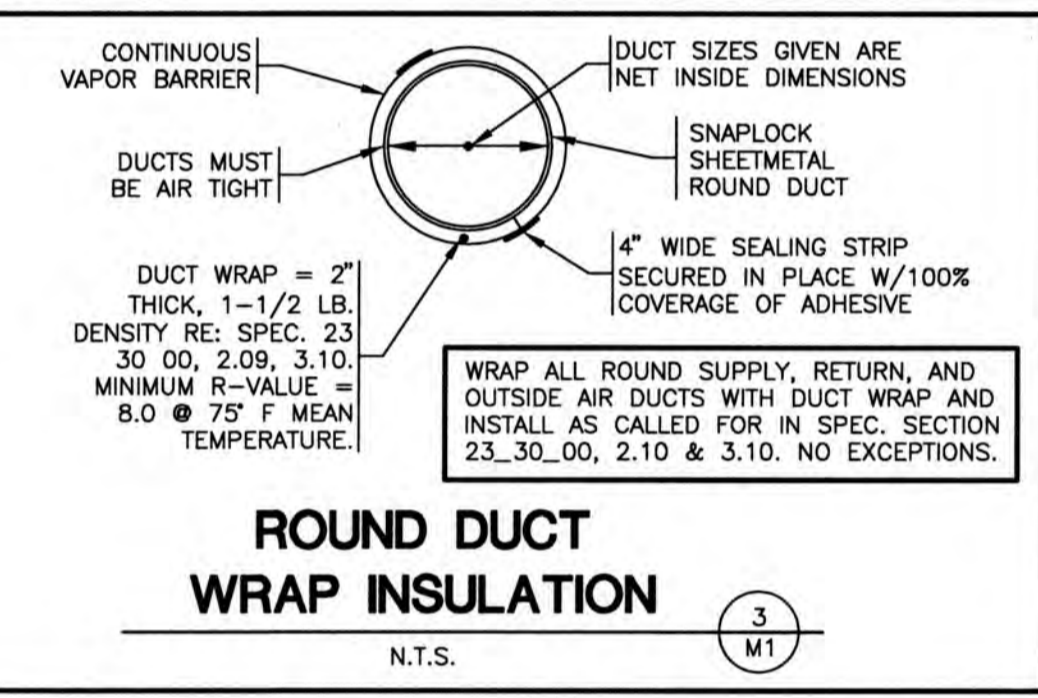
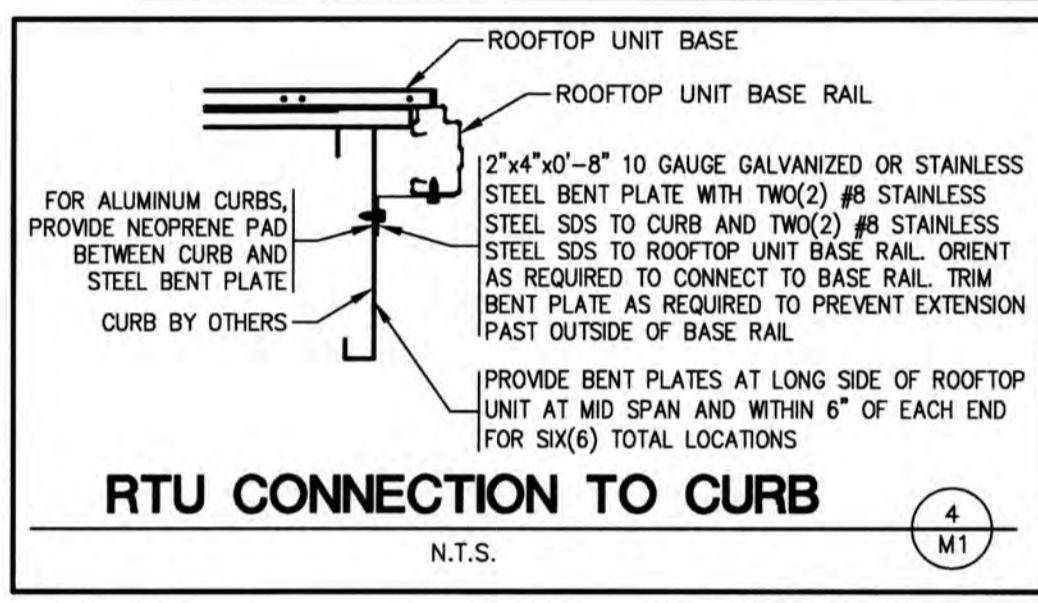
- SUPPLY DIFFUSER (4 WAY)
- SUPPLY DIFFUSER (1 WAY)
- RETURN AIR GRILLE
- EXHAUST REGISTER
- RECTANGULAR OR ROUND DUCT
- ROUND DUCT
- FLEXIBLE DUCT (MAX. LENGTH = 8'-0")
NOTE...LOCATION OF FLEX DUCT SHALL BE ONLY AS INDICATED ON PLAN VIEW DRAWING.
- 1" CONDENSATE PIPING
- REFRIGERANT PIPING
- AIR FLOW INDICATOR
- SADDLE TAP FITTING (WITH DAMPER)
- COMMUNICATION CABLE
- TURNING VANES
- THERMOSTAT. SEE EM SHEETS. SEE EM SHEETS FOR THERMOSTAT MOUNTING HEIGHTS AND TYPICAL WIRING.
- CO2 SENSOR FOR DEMAND CONTROL VENTILATION (FACTORY SUPPLIED WITH ROOFTOP UNIT). FIELD INSTALLED & WIRED BY CONTRACTOR. SEE EM SHEETS FOR SENSOR MOUNTING HEIGHTS.
- MOTORIZED DAMPER
- REMOTE TEST STATION FOR DUCT SMOKE DETECTOR (MOUNT AT 5'-0" A.F.F.)
- REMOTE ALARM/STROBE FOR DUCT SMOKE DETECTOR (MOUNT AT 7'-6" A.F.F.)

HVAC - KEYNOTES

1. ROUTE DUCT WITH 45 DEGREE ELBOWS UNDER FRAMES/BEAMS HOLD DUCT AS TIGHT AS POSSIBLE TO FRAME/BEAM. (TYPICAL)
2. 12"x12" DUCT W/ ELBOW FROM "R2" TO JUST ABOVE THE CEILING PLATFORM.
3. WALL CAP 500 CFM EXHAUST. ARCHITECTURAL ELEVATIONS SHOW DIMENSIONED LOCATION.

HVAC ROOF BRACING CONFLICTS

CONTRACTOR TO FIELD VERIFY ROOF'S HORIZONTAL ROD BRACING LOCATIONS. IF NECESSARY, SHIFT RTU'S AND DUCTS AS REQUIRED TO AVOID CONFLICT WITH BRACING.



HVAC GENERAL NOTES

1. DRAWING IS DIAGRAMMATIC AND IS NOT TO BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
2. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE CODE(S) NOTED ON THE COVER SHEET.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING HIS BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
4. ALL ROOF AND WALL PENETRATIONS REQUIRED SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. PROVIDE ALL SLEEVES, FLASHING, CURBS, REINFORCING ANGLES, SUPPORTING FRAMES, ETC., WHICH ARE REQUIRED UNLESS THEY ARE SPECIFICALLY CALLED OUT TO BE FURNISHED BY OTHERS.
5. A SUBMITTAL OF ALL MATERIALS AND EQUIPMENT PROPOSED TO BE USED ON THE JOB SHALL BE PREPARED AS SOON AS POSSIBLE AFTER AWARD OF THE CONTRACT. THE SUBMITTAL WILL BE REVIEWED BY THE OWNER FOR EQUAL QUALITY AND PERFORMANCE TO THE ITEMS SPECIFIED. ALL CONTROL DEVICES SHALL BE INCLUDED IN THE SUBMITTAL.
6. THE PROPER PERFORMANCE OF THE CONTROL SYSTEM IS THE RESPONSIBILITY OF THE CONTRACTOR.
7. THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS WORK WITH THE WORK OF OTHER SUBCONTRACTORS OF THE PROJECT. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
9. DUCT DIMENSIONS ON PLANS ARE TO BE FINISHED INSIDE DIMENSIONS.
10. DUCT MATERIALS SHALL BE AS FOLLOWS:
 ROUND SUPPLY AIR DUCT (SPEC 23 30 00)
 RECTANGULAR SUPPLY AND RETURN AIR DUCT WORK - (SPEC 23 30 00) INSTALL TURNING VANES IN ALL ELBOWS. DO NOT SUBSTITUTE RADIIUSED ELBOWS.
 RUNOUTS TO DIFFUSERS - (SPEC 23 30 00) (SEE DIFFUSER INSTALLATION DETAIL).
 EXHAUST DUCT - (SPEC 23 30 00)
 TRANSITIONS - SHALL CONFORM TO SMACNA STANDARDS.
 ARMARFLEX.
11. INSULATE HVAC CONDENSATE DRAIN PIPING WITH 1/2" ARMARFLEX.
12. ALL WORK IS TO BE GUARANTEED FOR ONE YEAR UPON OCCUPANCY.
13. NO EQUIPMENT OR FIXTURE SUBSTITUTIONS (THAT ARE NOT CURRENTLY LISTED) WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER.
14. UPON COMPLETION BALANCE SYSTEMS TO AIR FLOWS SHOWN. REPORT THE BALANCING MEASUREMENTS ON THE "AS BUILT" DRAWINGS.
15. MOUNT CONDENSATE AND REFRIGERANT LINES AS HIGH AS POSSIBLE.
16. CONTROL WIRING BY HVAC CONTRACTOR, FINAL CONNECTIONS BY HVAC CONTRACTOR.
17. ALL CAULKING ON BUILDING PENETRATIONS SHALL BE A ONE-COMPONENT NON-SAG URETHANE ELASTOMERIC SEALANT. ANY CONTRACTOR WHO USED SILICONE OR ANY OTHER CAULKING WILL BE REQUIRED TO REMOVE AND REPLACE WITH A SPECIFIED SEALANT (SPEC: 07 92 00).
18. THE HVAC SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 101:7-2 and NFPA 90A "STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS".
19. ALL HVAC SYSTEM FLUES & VENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 54 (LATEST EDITION).
20. PROVIDE AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8.
21. COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM.
22. ALL HVAC CONDENSATE LINES SHALL RUN AT A MINIMUM SLOPE OF 1/8-INCH PER FOOT.

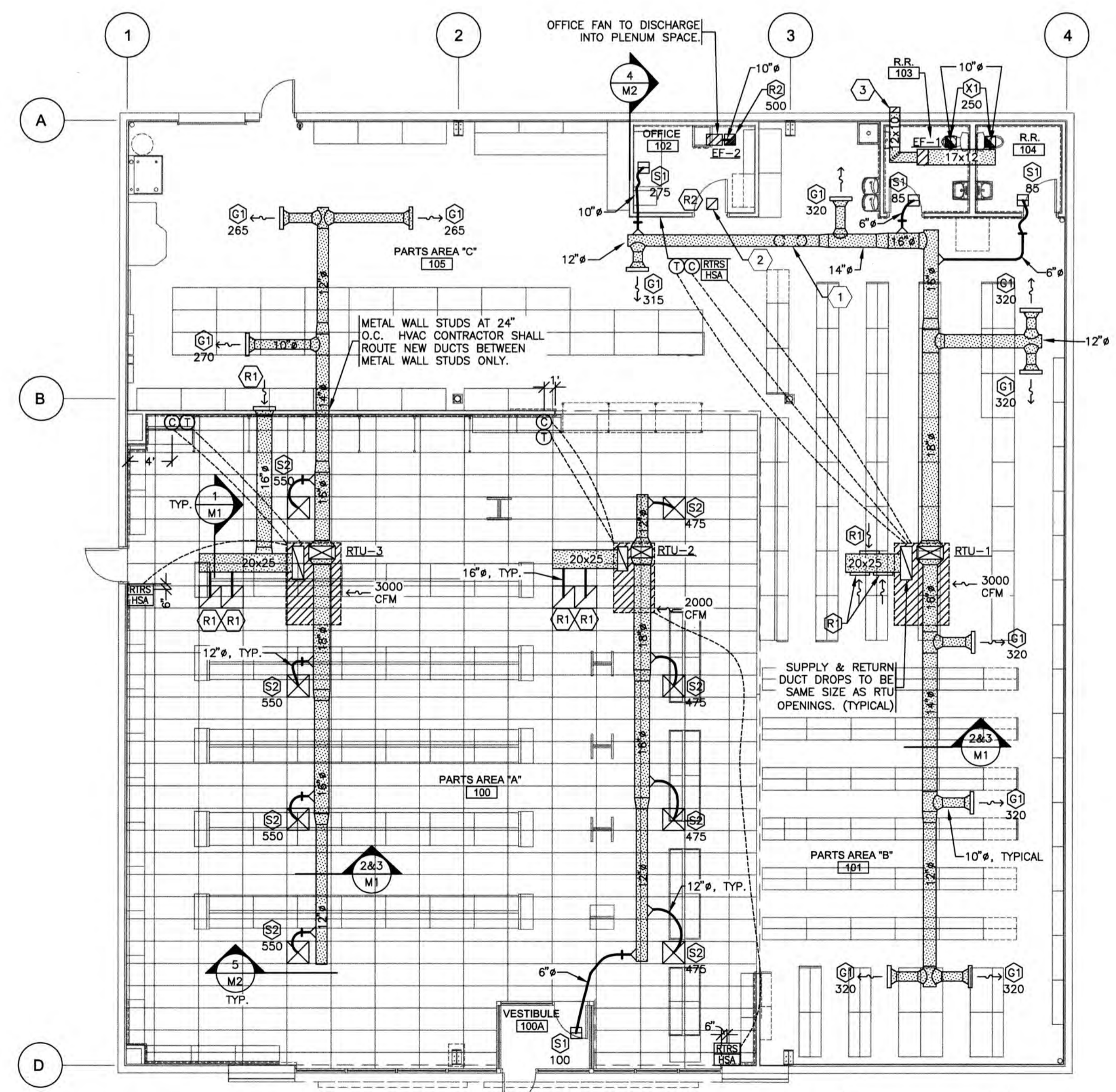


CRAIG A. SCHNEIDER, AIA
ARCHITECT

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NOTE:
BOTTOM OF ALL HVAC EQUIPMENT & DUCTS SHALL BE A MINIMUM OF 12"-3" A.F.F. EXCEPT WHERE OTHERWISE NOTED.

LIGHT FIXTURE SCHEDULE														
ALL ITEMS LISTED ON THE "LIGHT FIXTURE SCHEDULE" WILL BE SUPPLIED BY THE OWNER (O'REILLY). ITEMS SHALL BE DIRECT ORDERED AND OR RELEASED FROM THE LISTED ELECTRICAL EQUIPMENT DISTRIBUTOR:				GRAYBAR ELECTRIC CO., INC. 11855 LACKLAND ROAD ST. LOUIS, MO 63146				GRAYBAR O'REILLY TEAM EMAIL: oreilly@graybar.com TOLL FREE: (314) 573-2080						
MARK	MFR.	CATALOG NUMBER	SUPPLY VOLTAGE	FINISH	MOUNTING					LAMP QUANTITY	WATTAGE	DESCRIPTION OF ACCESSORIES	NOTES	
					RECESSED	LAY-IN	SURFACE WALL	SURF. CEILING	OTHER					TYPE
													(General Electric) LAMP CATALOG NUMBER/TYP	
LED DIMMABLE LIGHTS - ALL INDOOR LIGHT FIXTURES SHALL HAVE DISCONNECTING MEANS TO COMPLY WITH NEC 410.130(G)														
A	LSI	SDL6 LED 80L FL UNV DIM1 40 BCR01 OR NO SUBSTITUTIONS	120	WHITE			X	X				62	GRID HANGER (2 PER FIXTURE)	GRID HANGER (648480) (CEILING GRID ONLY). 0-10 VOLT DIMMING DRIVER STANDARD
B	LSI	SDL4 LED 40L FL UNV DIM1 40 BCR01 OR NO SUBSTITUTIONS	120	WHITE			X	X				30	GRID HANGER (2 PER FIXTURE)	GRID HANGER (648480) (CEILING GRID ONLY). 0-10 VOLT DIMMING DRIVER STANDARD. OMIT GRID HANGER @ HARD CEILING
C	LSI	SDL6 LED 80L FL UNV DIM1 40 BCR01 OR NO SUBSTITUTIONS	120	WHITE				X	X			62	5' CHAIN HANGING KIT (1 PER FIXTURE)	HANG TOP OF FIXTURES AT 12" A.F.F. WITH CHAIN HANGERS AND VERIFY LENGTH OF CHAIN REQUIRED. 0-10 VOLT DIMMING, DRIVER STANDARD
D	LSI	SDL4 LED 40L FL UNV DIM1 40 BCR01 OR NO SUBSTITUTIONS	120	WHITE				X	X			30	5' CHAIN HANGING KIT (1 PER FIXTURE)	HANG TOP OF FIXTURES AT 12" A.F.F. WITH CHAIN HANGERS AND VERIFY LENGTH OF CHAIN REQUIRED. 0-10 VOLT DIMMING, DRIVER STANDARD
COMBINATION EXIT/EMERGENCY LIGHTS, EMERGENCY LIGHTS & EXTERIOR EMERGENCY REMOTE HEADS														
XR	COOPER	APCH7R (RED LETTERS)	120	WHITE		X	X			2	LED EXIT + (2) 3.6V	2.34	UNIVERSAL (WALL/CLG) SINGLE PR DOUBLE FACE	BACKUP BATTERIES SHALL MAINTAIN 100% ILLUMINATION FOR A MINIMUM OF 90 MINUTES TO COMPLY WITH ARTICLE 700.12(A) OF THE N.E.C.
EM	COOPER	APEL	120	WHITE		X	X			2	3.6V	0.33	UNIVERSAL (WALL/CLG)	BACKUP BATTERIES SHALL MAINTAIN 100% ILLUMINATION FOR A MINIMUM OF 90 MINUTES TO COMPLY WITH ARTICLE 700.12(A) OF THE N.E.C.
RH2	COOPER	APWR2	3.6V DC	WHITE		X				2	LED REMOTE HEAD	0		POWERED BY EMERGENCY "XR" FIXTURE.
LED EXTERIOR LIGHTS														
PC	INTERMATIC	PHOTOCELL - #K4251	120	DARK BRONZE		X								MOUNT ABOVE WALL LIGHT LOCATED NEAR FREIGHT DOOR.
L	LSI	LAD6 41 LED 40 75 UE TR6R SFHAZ	120	CLEAR	X				X	1				RECESSED CAN.
WSX	SEE "SP1" SHEET FOR EXTERIOR LIGHTING WALL SCONCE FIXTURE SCHEDULE													
PX	SEE "SP1" SHEET FOR EXTERIOR LIGHTING POLE LIGHT FIXTURE SCHEDULE													
FIXTURE QUANTITY TO BE VERIFIED WITH LIGHTING PLAN QUANTITY														

- ### LIGHTING - KEYNOTES
- MOUNT J-BOX INSIDE BUILDING & FLEX CONDUIT THRU WALL FOR POWER SUPPLY TO ILLUMINATED SIGN. EXACT LOCATIONS OF PENETRATIONS SHALL BE COORDINATED WITH SIGN COMPANY. PENETRATIONS SHALL BE BEHIND SIGNAGE. WATERPROOF W/ ELASTOMERIC POLYURETHANE (NO EXCEPTIONS) EQUAL TO "VULKEM" 116. WIRE TO SIGN WITH 15' OF WIRING "WHIP" (SHALL BE FLEX OR TYPE MC CABLE). COIL AND "CABLE TIE" WIRING "WHIP" TO WALL ABOVE CEILING. TYPICAL.
 - TO "OPEN" SIGN. SEE SHEET E2.
 - SEE "E" PANEL TRANSFER SWITCH SCHEDULE FOR POSITION OF CIRCUIT WIRES THROUGH TRANSFER SWITCH.
 - VIA LIGHTING CONTROL PANEL. SEE EM SHEET.
 - DIMMER LIGHTING CONTROL SWITCHES LOCATED ON OUTSIDE WALL OF OFFICE. SEE LIGHTING PLAN FOR QUANTITY. SEE DETAILS ON SHEET E4 FOR MORE INFORMATION.
 - SUSPEND 8"-0" A.F.F. THIS FIXTURE ONLY.
 - ROUTE THE OFFICE AND RESTROOMS LIGHTING CIRCUIT THRU THE LOCAL OCCUPANCY SENSORS AND DIRECTLY TO THE CIRCUIT BREAKER. THESE FIXTURES SHALL NOT BE SWITCHED BY THE LIGHTING CONTROL PANEL. SEE "E" PANEL TRANSFER SWITCH SCHEDULE FOR POSITION OF CIRCUIT WIRES THROUGH TRANSFER SWITCH.
 - REFER TO ARCHITECTURAL ELEVATIONS SHEETS SHOWING DIMENSIONED LOCATIONS. TYPICAL ALL WALL SCONCES.
 - SECURITY & EGRESS FIXTURE TO BE AS CLOSE AS POSSIBLE BUT NOT OVER THE OVERHEAD DOOR WHEN OPEN.
 - ROUTE SECURITY & EGRESS LIGHTING CIRCUIT DIRECTLY TO THE ELECTRICAL PANEL.

AUTOMATIC LIGHTING CONTROL

COMPLIANCE WITH ENERGY CODE IS ACHIEVED BY:

- ONCE THE EMS HAS BEEN PROGRAMMED, THE INTERIOR AND EXTERIOR LIGHTS WILL TURN ON AND OFF USING THE FOLLOWING LOGIC: SEE EM SHEETS.
 INTERIOR WORK LIGHTS WILL TURN ON WITH FIRST MOTION IN THE STORE AND WILL TURN OFF 15 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.
 INTERIOR SALES LIGHTS WILL TURN ON AT STORE OPENING AND TURN OFF 15 MINUTES AFTER STORE CLOSING.
 EXTERIOR SIGN LIGHTS WILL TURN ON WHEN ITS DARK ENOUGH OUTSIDE ANYTIME DURING STORE HOURS, AND WILL TURN OFF AT STORE CLOSING.
 EXTERIOR SITE LIGHTS WILL TURN ON WHEN IT IS DARK ENOUGH OUTSIDE AND IT IS WITHIN STORE HOURS OR THERE IS MOTION IN THE STORE. THEY WILL TURN OFF 30 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.
- RESTROOMS AND OFFICES: ALL LIGHTING IN THESE AREAS ARE CONTROLLED BY OCCUPANT-SENSING DEVICES.

FOR NEW CONSTRUCTION LOCATIONS ONLY, THERE IS A TEMPORARY PROGRAM TO KEEP SIGN AND SITE LIGHTS ON UNTIL MIDNIGHT RATHER THAN THE TIMES INDICATED ABOVE. O'REILLY WILL DISABLE THIS PROGRAM ONE YEAR AFTER STORE OPENING.

INTERIOR LIGHTING ZONES

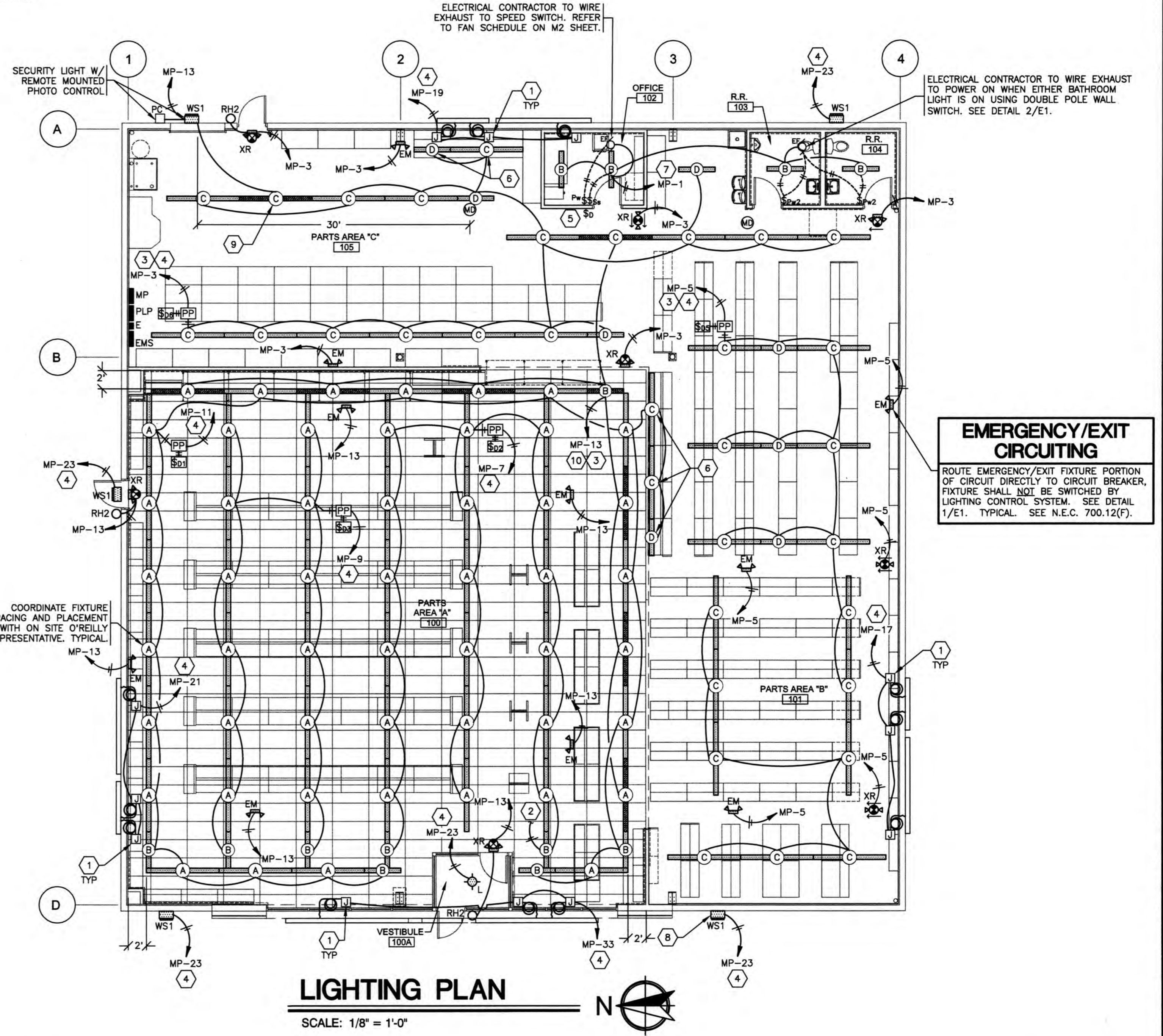
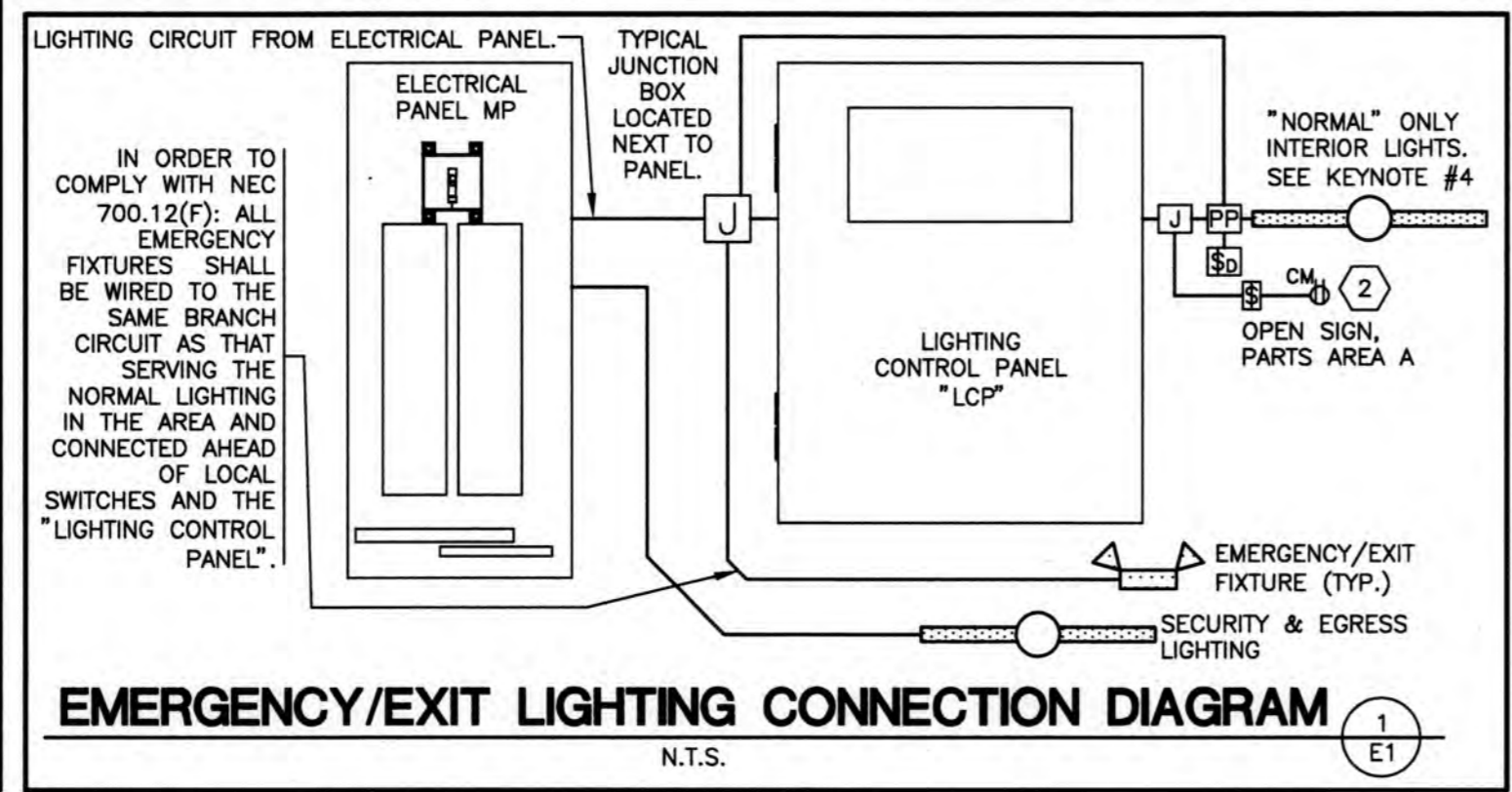
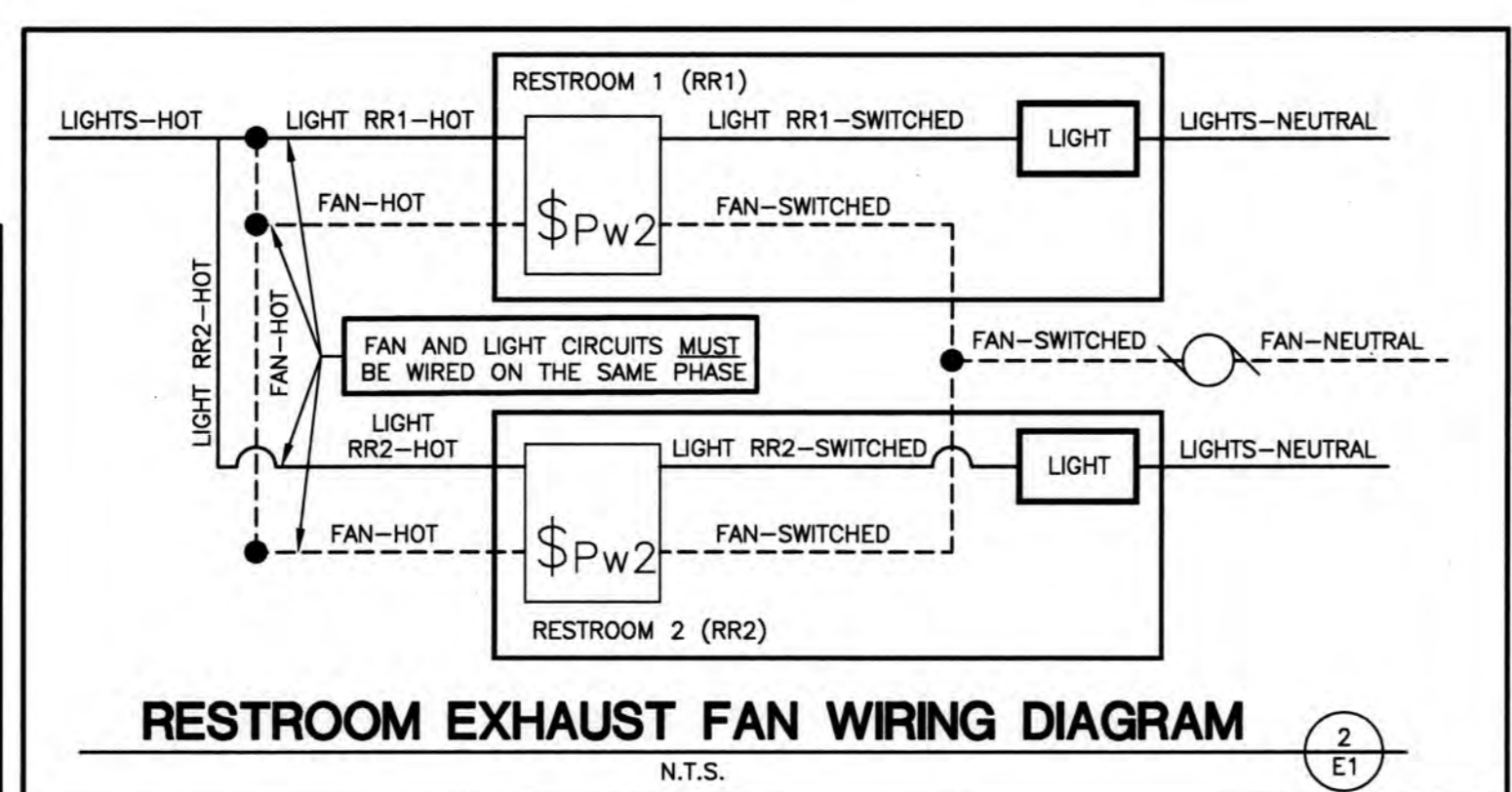
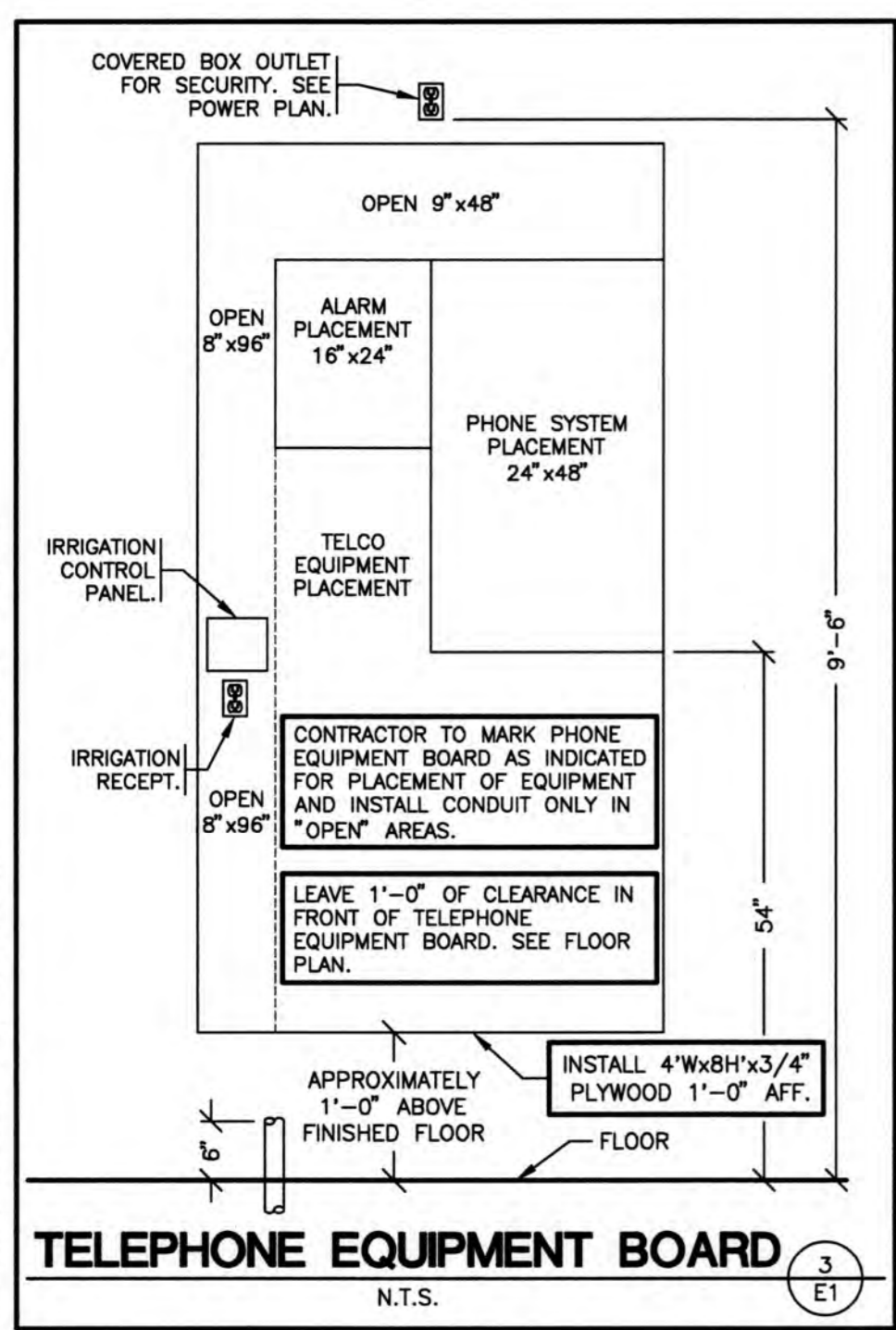
ALL INTERIOR LIGHTING WITHIN PARTS AREA "A" SHALL BE CONSIDERED "SALES" ZONE (ON ONLY WHEN STORE IS OPEN FOR BUSINESS).
 ALL INTERIOR LIGHTING WITH PARTS AREA "B", PARTS AREA "C", RESTROOMS, OFFICE, AND BREAK AREA SHALL BE CONSIDERED "WORK" ZONES (ON WHENEVER THERE IS MOTION OR THE STORE IS OPEN).

EMERGENCY/EXIT LIGHTING

PLACE EXIT SIGNS HIGH ENOUGH TO BE SEEN ABOVE ALL MERCHANDISE WITH THE FOLLOWING LIMITATION: THE MAXIMUM HEIGHT FOR AN EXIT LIGHT ASSOCIATED WITH A SPECIFIC OPENING (I.E. MOUNTED OVER A DOOR OR OPENING) SHALL BE NO GREATER THAN THE CODE ALLOWED 6'-8" ABOVE THE TOP EDGE OF THE DOOR OR OPENING.

CONDUIT REQUIREMENTS

ALL WIRING SHALL BE IN CONDUIT, EXCEPT THAT MC-CABLE MAY BE SUBSTITUTED ONLY AS FOLLOWS:
 A. MC-CABLE (MAXIMUM CABLE LENGTH OF 10'-0") MAY BE INSTALLED ONLY FOR BRANCH CIRCUIT WIRING TO LIGHT FIXTURES.
 B. "MC-CABLE (MAXIMUM CABLE LENGTHS SHOWN ON DETAIL 2/E2) MAY BE INSTALLED ONLY ABOVE SLAB AND ONLY AT LOCATIONS INDICATED ON E2 SHEET."
 SEE SHEET E4 FOR MORE REQUIREMENTS



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MARKING OF ELECTRICAL WORKING SPACE

IN FRONT OF ALL METER PANELS, SUB PANELS, TRANSFORMERS, AND DISCONNECTS, PROVIDE A WORKING SPACE IN FRONT, ON THE FLOOR, RECTANGLE, PAINT WITH CONTRASTING COLOR, 4-INCH BRUSH STROKES WITH DIAGONAL LINES INSIDE, WITH 6-INCH LETTERS, "NO STORAGE" BLOCKED IN, AND/OR LARGE STICKER SAYING THE SAME THING. 4'-0" DEPTH TYPICAL AT ALL LOCATIONS.

TELEPHONE & COMPUTER DATA SYSTEMS:

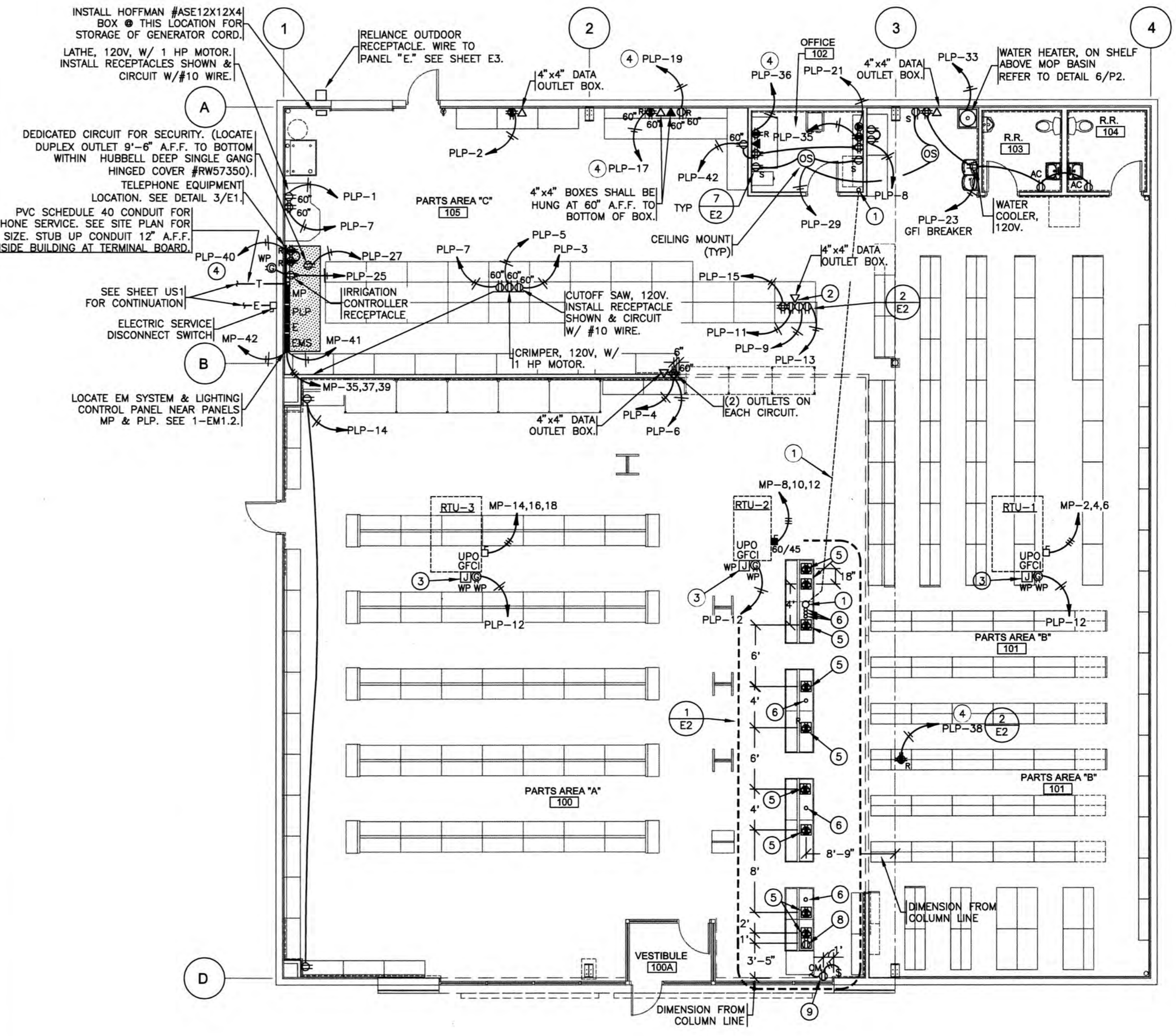
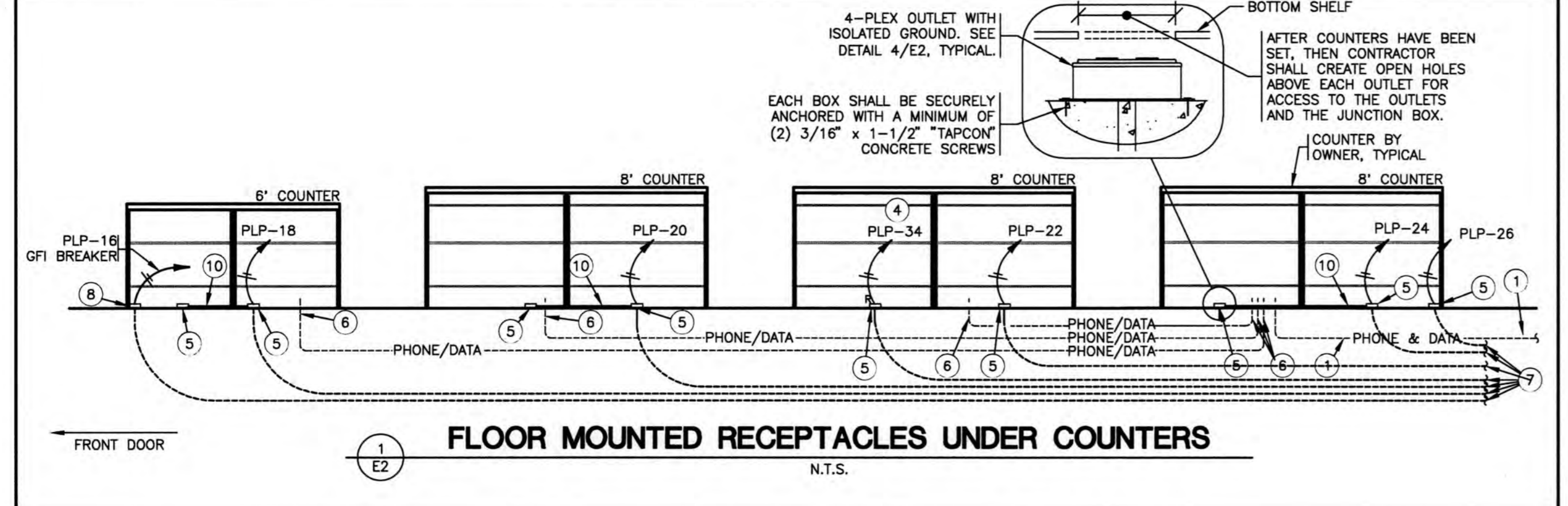
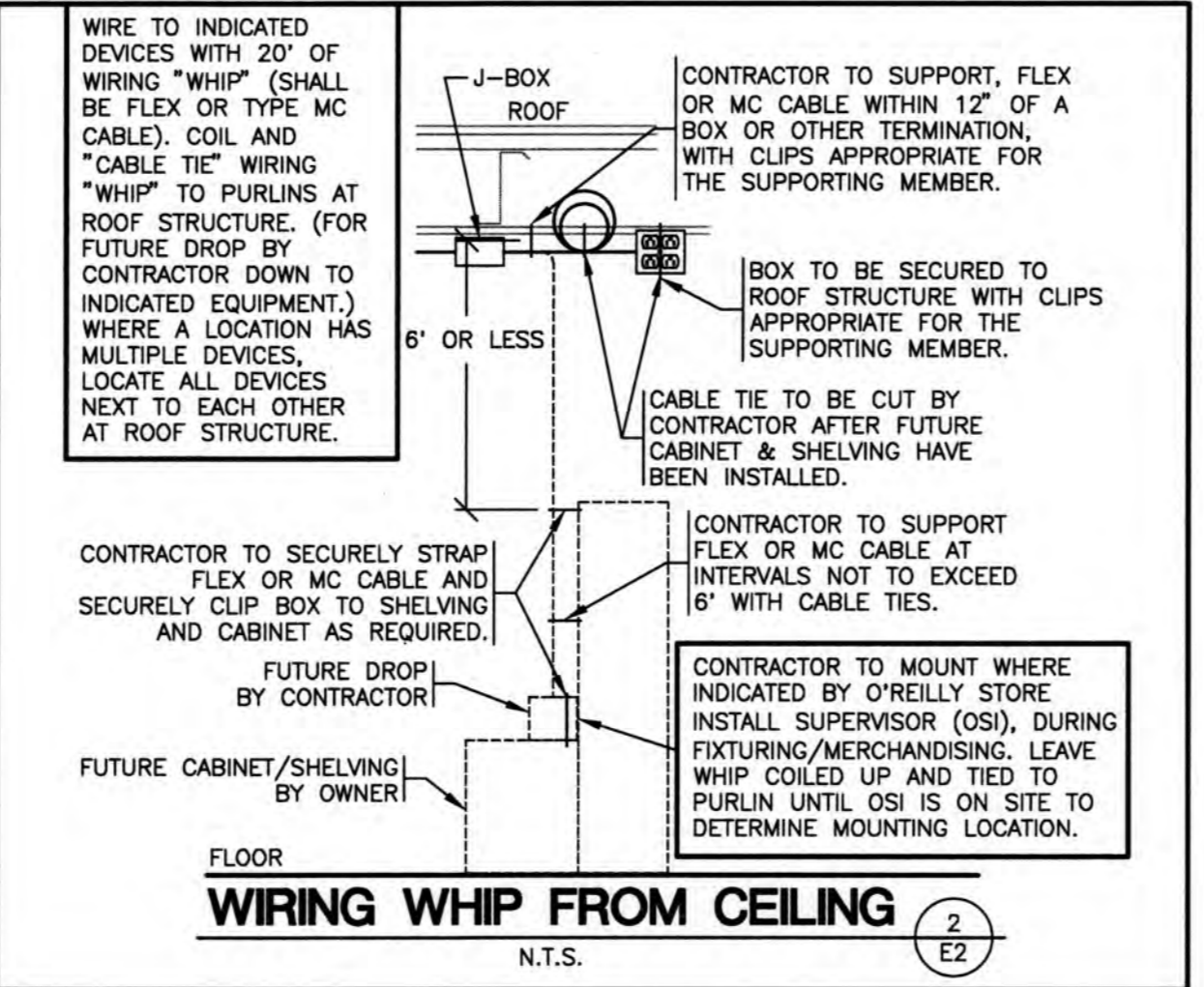
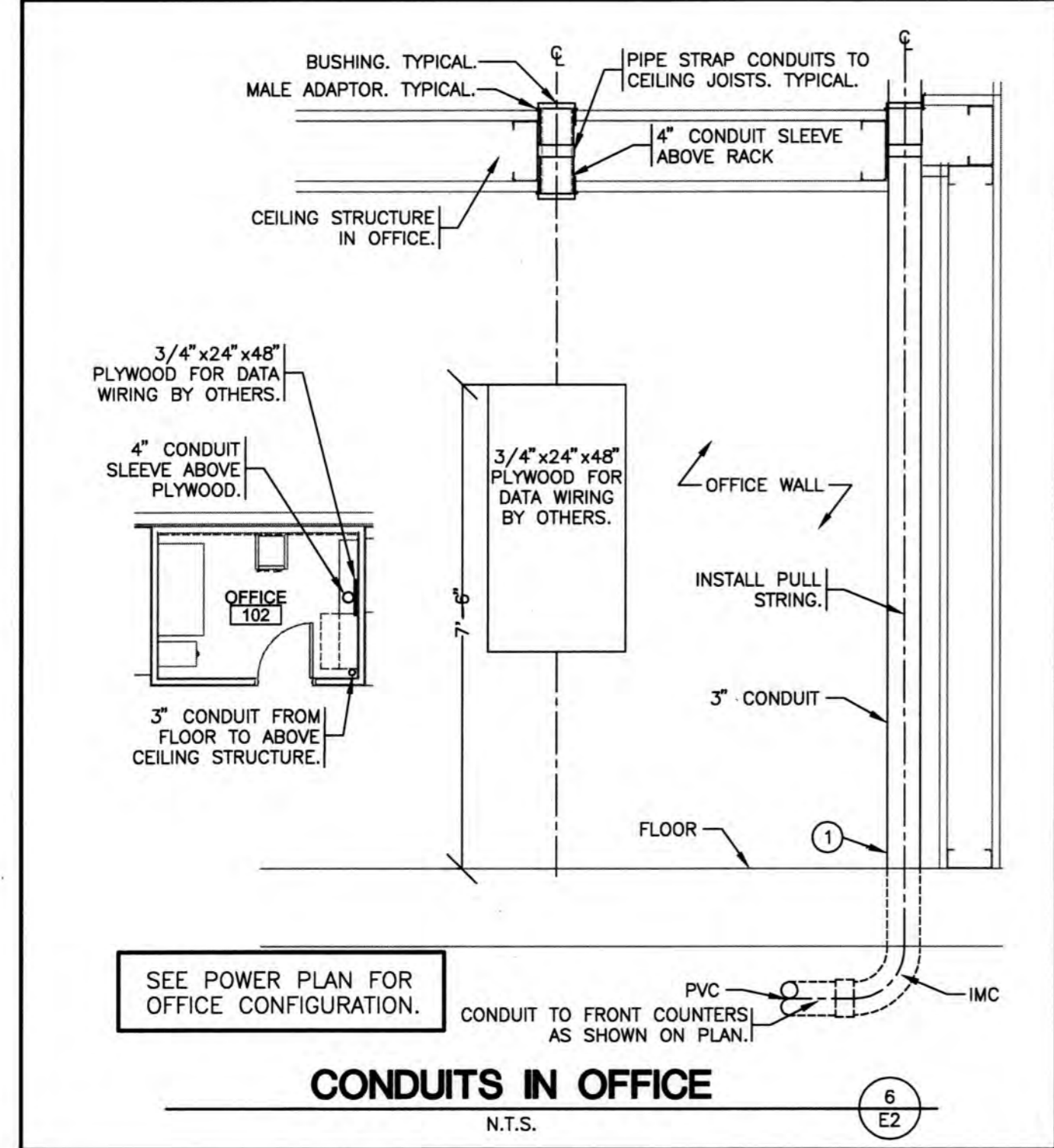
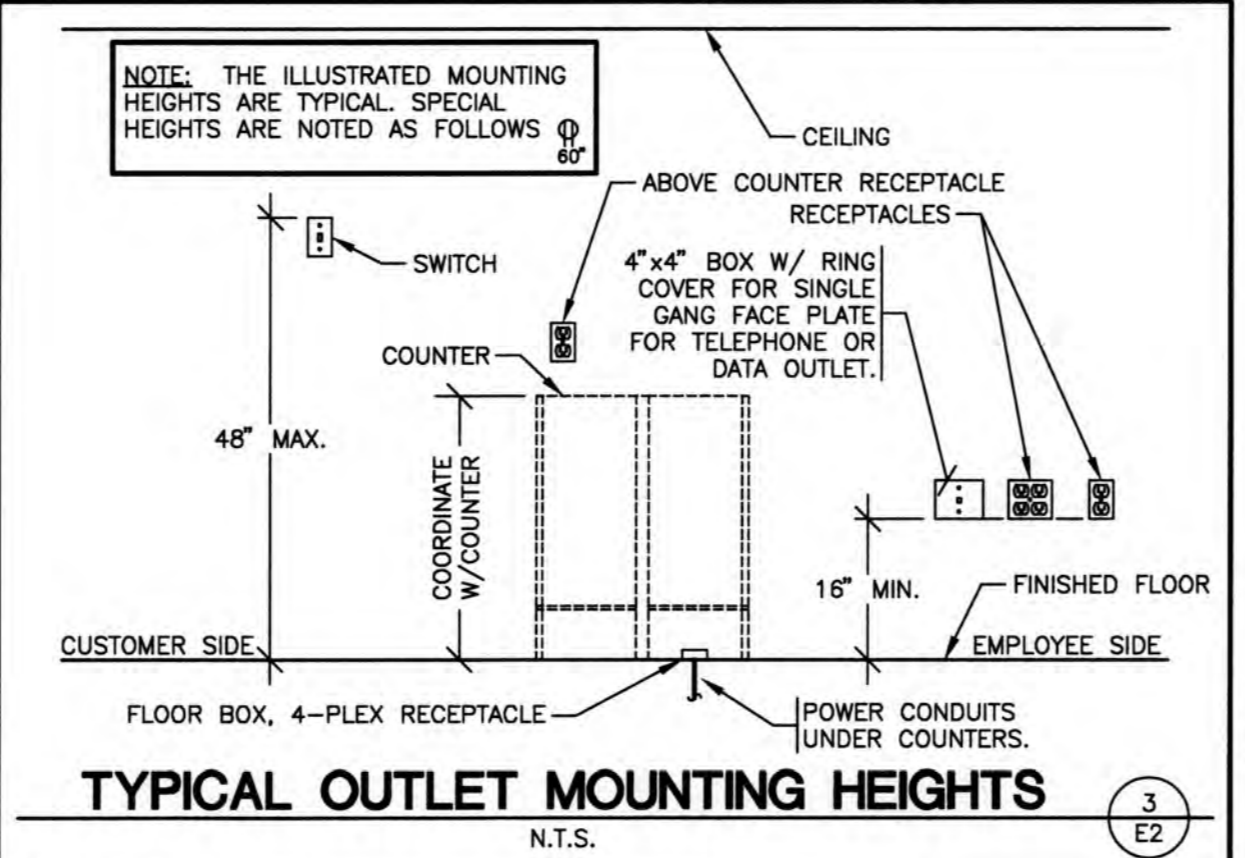
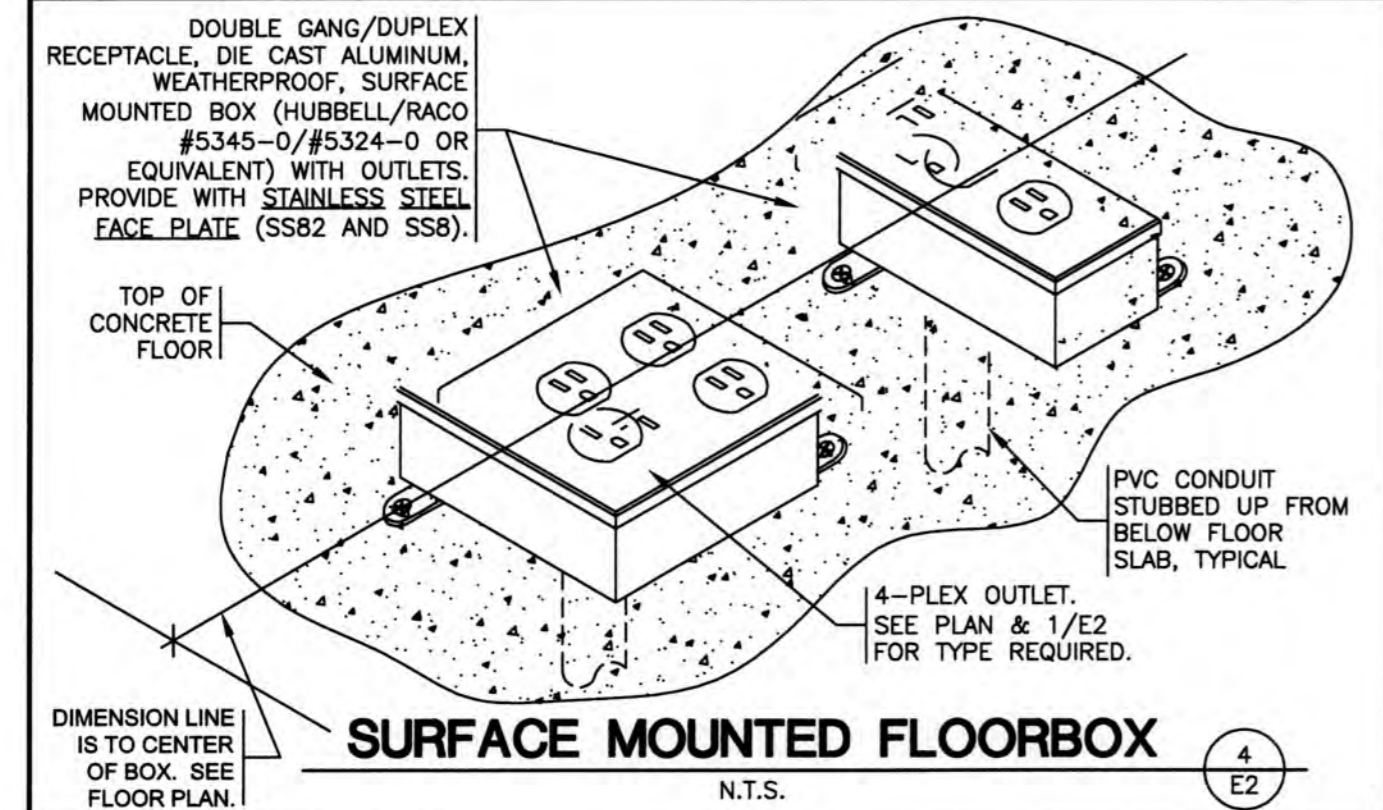
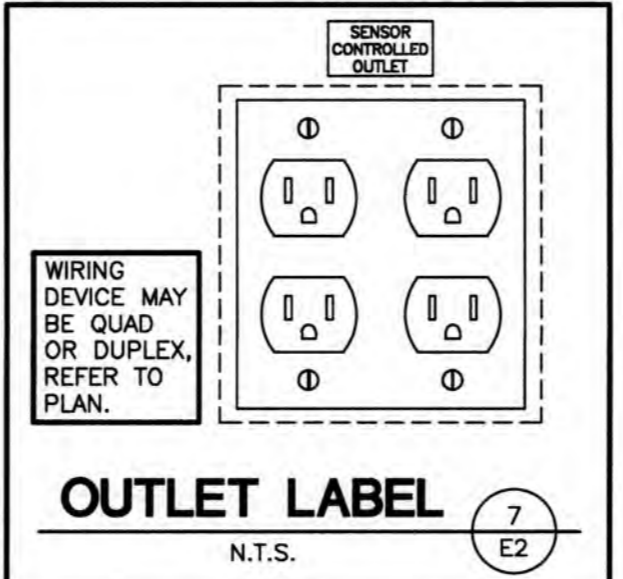
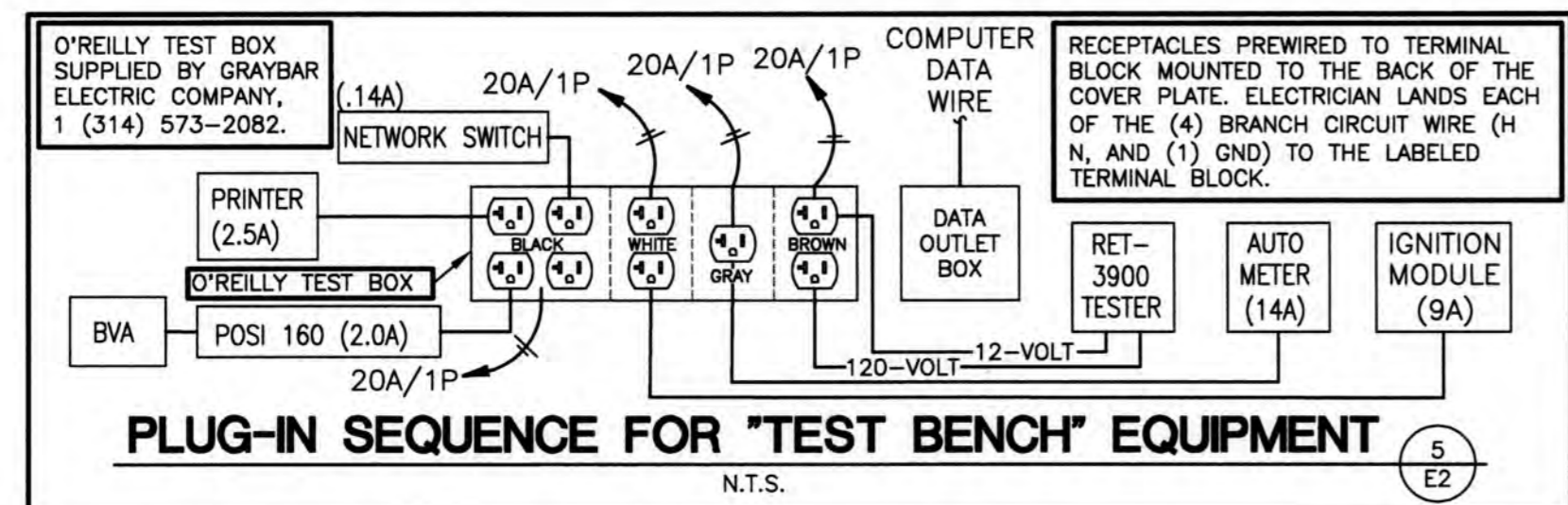
- A. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL TELEPHONE AND DATA CONDUITS.
- B. ELECTRICAL CONTRACTOR SHALL VACUUM OUT ALL CONDUITS TO REMOVE WATER.
- C. ELECTRICAL CONTRACTOR SHALL PROVIDE PULL-STRING IN EACH CONDUIT.
- D. OWNER SHALL PROVIDE AND INSTALL ALL TELEPHONE AND DATA WIRING.

FIRE ALARM NOTE:

IN THE EVENT A MONITORED FIRE ALARM SYSTEM IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE ALARM SYSTEM WILL BE CONTRACTED DIRECTLY BY THE ALARM SERVICES MANAGER, LEIGH SIDES, WITH THE O'REILLY AUTOMOTIVE CORPORATE OFFICE. THE GENERAL CONTRACTOR SHALL NOT PROCURE ANYONE TO INSTALL OR QUOTE THESE SYSTEMS UNLESS THEY HAVE BEEN ASKED TO DO SO BY LEIGH SIDES. PLEASE CONTACT LEIGH SIDES @ 417-829-5712 IF A SYSTEM IS NEEDED OR IF THERE ARE ANY QUESTIONS.

POWER - KEYNOTES

- 1 3" CONDUIT UNDERSLAB FROM COUNTER TO OFFICE FOR PHONE & DATA WIRING BY OWNER. STUB 3" CONDUIT TO A MINIMUM OF 9 FEET ABOVE FINISH FLOOR IN OFFICE. STUB 3" CONDUIT TO A MINIMUM OF 2-INCHES ABOVE FINISH FLOOR UNDER COUNTER. SEE DETAIL 1/E2 & 6/E2. INSTALL PULL STRING.
- 2 TEST OUTLET BOX. 120V. INSTALL (2) DUPLEX OUTLETS EACH ON THEIR OWN CIRCUIT, (1) SINGLE OUTLET ON ONE CIRCUIT, (1) QUADPLEX OUTLET ON ONE CIRCUIT & A COMPUTER DATA OUTLET BOX. SEE DETAIL 5/E2.
- 3 CONTRACTOR TO INSTALL J-BOX, CONDUIT, AND PULL STRING FOR FIRE ALARM. MOUNT J-BOX BELOW OPTIONAL CONVENIENCE OUTLET LOCATION. REFERENCE SHEET M2.
- 4 ROUTE CIRCUIT THROUGH "E" PANEL TRANSFER SWITCH. SEE "E" PANEL TRANSFER SWITCH SCHEDULE ON SHEETS E3.
- 5 FLOOR 4-PLEX ISOLATED GROUND RECEPTACLE. SEE DETAIL 4/E2.
- 6 STUB UP 2" CONDUITS (FOR PHONE/DATA) TO A MINIMUM OF 2-INCHES ABOVE FINISH FLOOR. NO BOXES REQUIRED. TYPICAL OF ALL COUNTERS. SEE DETAIL 1/E2.
- 7 3/4" PVC CONDUIT UNDERSLAB. RUN ONE PVC CONDUIT FROM EACH FLOOR RECEPTACLE TO PANEL LOCATION.
- 8 FLOOR DUPLEX RECEPTACLE (FOR COKE MACHINE) SEE DETAIL 4/E2 SIMILAR.
- 9 MOUNT RECEPTACLE IN CEILING FOR "OPEN" SIGN. CIRCUIT RECEPTACLE TO NEAREST LIGHTING CONTROL PANEL CONTROLLED LIGHTING CIRCUIT AND AHEAD OF ALL DIMMER SWITCHES AND DAY LIGHTING CONTROLS. "OPEN" SIGN CAN ALSO BE OPERATED BY WALL SWITCH. SEE DETAIL 1/E1.
- 10 MC CABLE BETWEEN COUNTER RECEPTABLES.

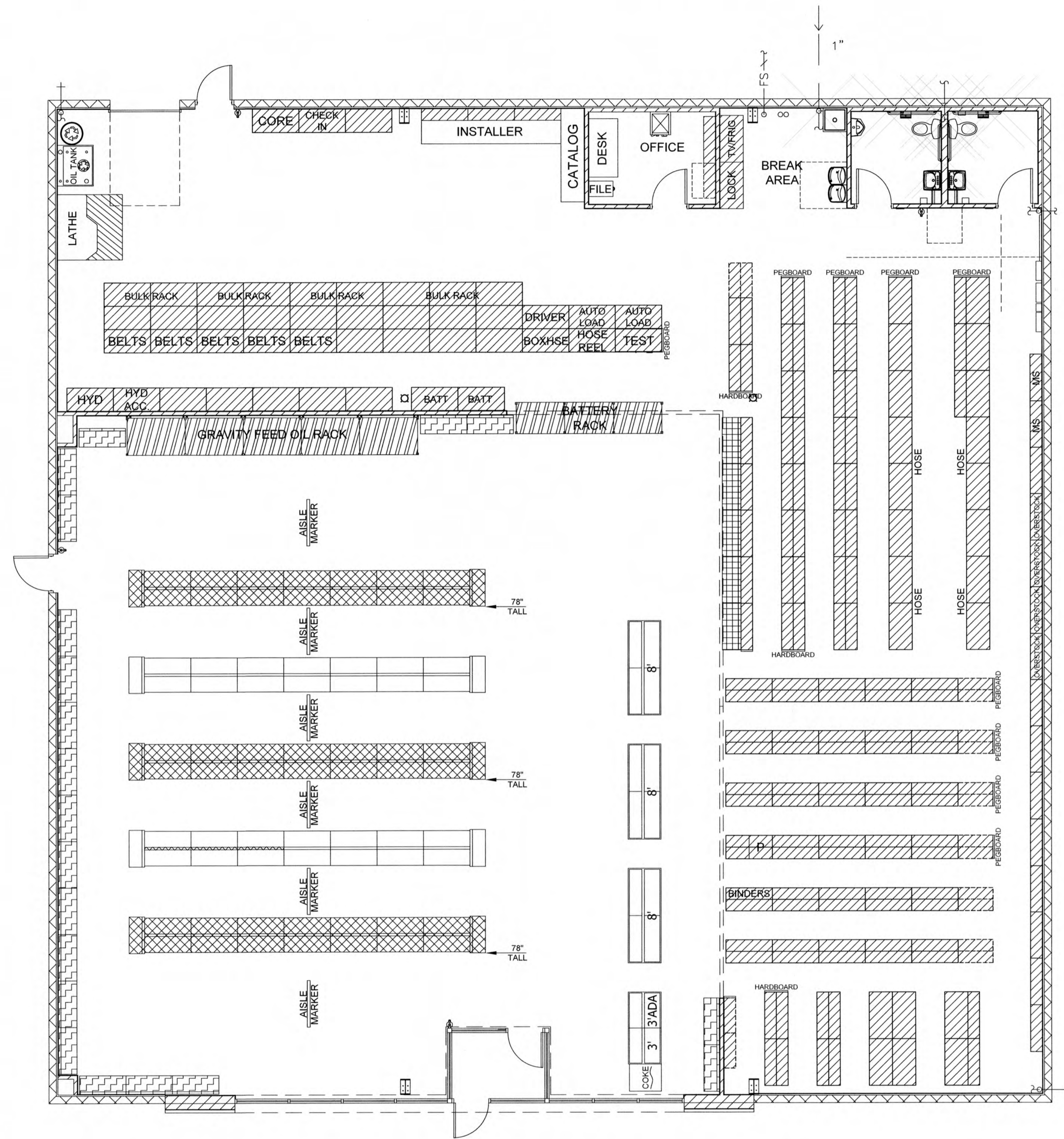


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DATE:



FIXTURE #1A - L. D. STORAGE		= 96" HIGH SECURED FIXTURES (LOZIER)	FIXTURE #2A - L. D. GONDOLA		= 120" HIGH SECURED FIXTURES (LOZIER)
FIXTURE #1A - L. D. STORAGE		= 120" HIGH SECURED FIXTURES (LOZIER)	FIXTURE #2A - L. D. GONDOLA		= 78" HIGH SECURED FIXTURES (LOZIER)
FIXTURE #2A - L. D. GONDOLA		= 78" HIGH SECURED FIXTURES (LOZIER)	FIXTURE #2A - L. D. GONDOLA		= 84" HIGH SECURED FIXTURES (LOZIER)
FIXTURE #2A - L. D. GONDOLA		= 84" HIGH SECURED FIXTURES (LOZIER)	FIXTURE #2A - L. D. GONDOLA		= 144" HIGH SECURED FIXTURES (LOZIER)

ADDRESS:
O'REILLY AUTO
 2417 MARKSHEFFEL ROAD
 COLORADO SPRINGS, CO. 80951

REV.	DATE	BY	DESCRIPTION

SEIZMIC
 EST. 1985
 ENGINEERING, INC.
 1130 E. Cypress St.
 Covina, California
 91724
 Tel. (909) 869-0989

DRAWN BY: B.G. / T.B.
 DATE: 09/24/19
 LAST REV. BY:
 REV. DATE:
 TYPE: LOZ
 SCALE: N.T.S.
 APRVD BY: SALE FATEEN



DESCRIPTION:
LAYOUT

DRAWING NUMBER:
19-2504-D

SEP 25 2019