
Monument Mountain Regional High School

600 Stockbridge Road
Great Barrington MA 01230

SCHEMATIC DESIGN

MAY 31, 2013

12029.00

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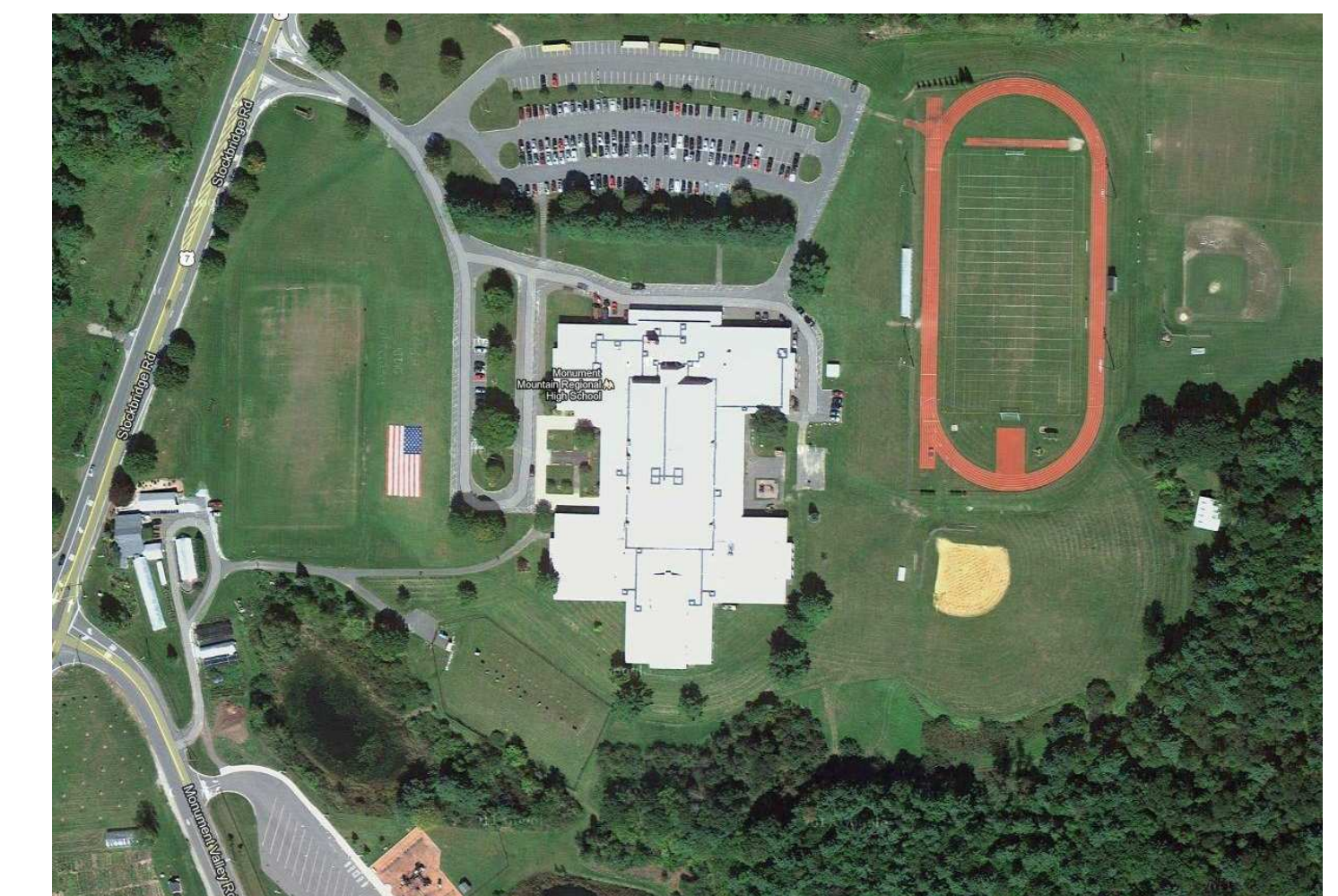
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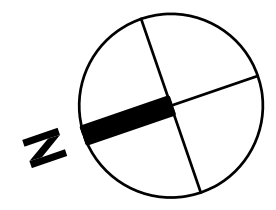


MARGO JONES
Architects
INCORPORATED

Cambridge | Chapel Hill | Providence

SMMA

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PLANNING



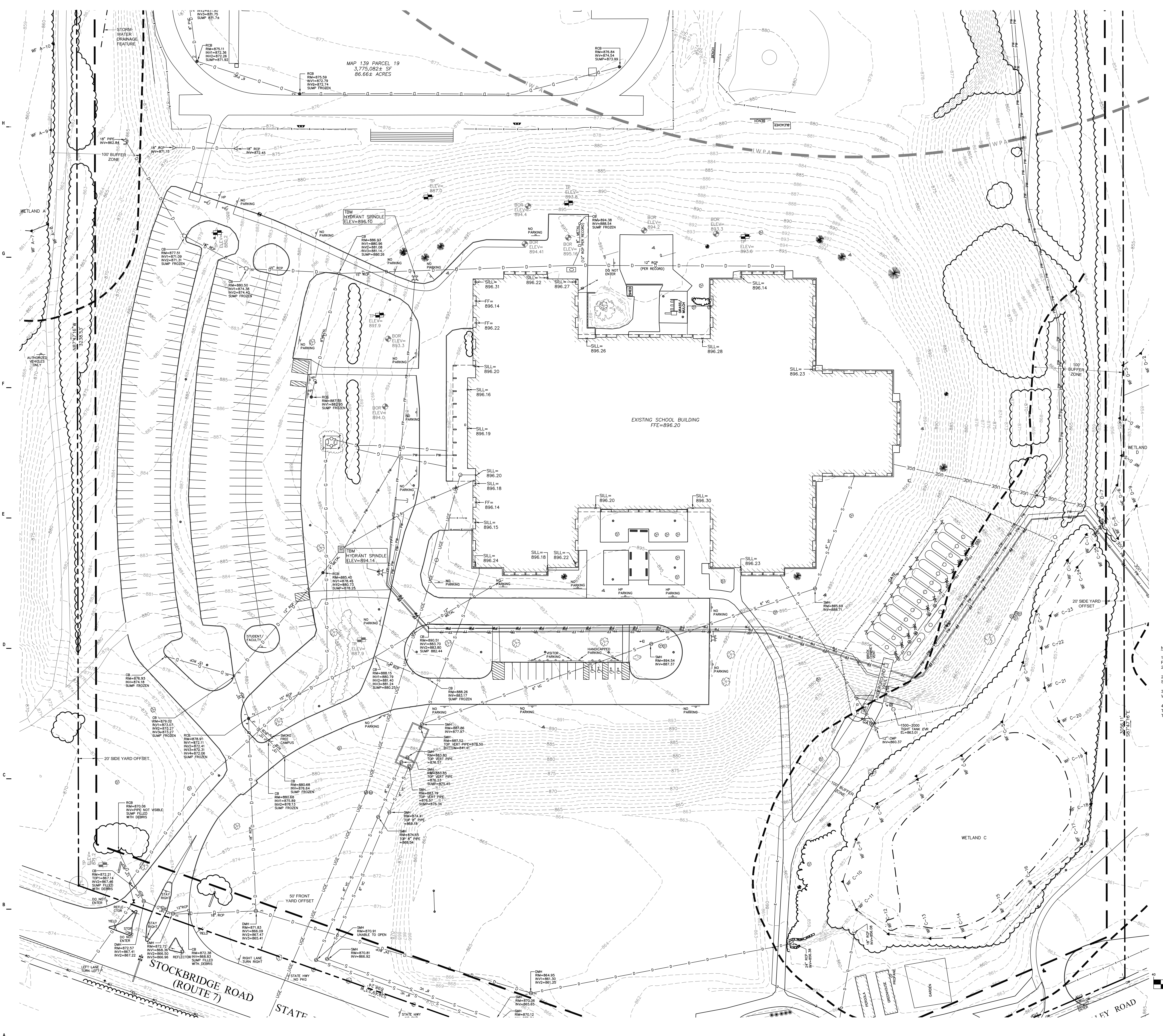
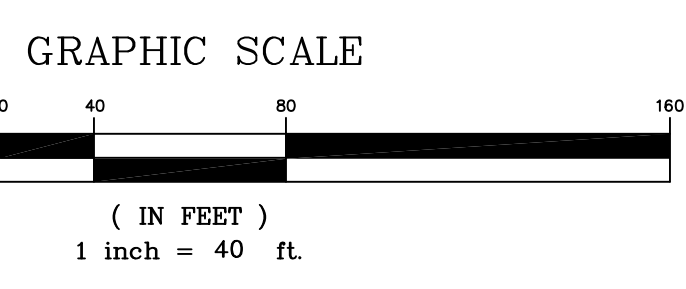
| LEGEND | |
|----------------------------|-----------------------------------|
| | HYDRANT |
| | SEWER MANHOLE |
| | DRAIN MANHOLE |
| | CATCH BASIN |
| | AREA DRAIN |
| | GAS METER |
| | GAS VALVE |
| | WATER VALVE |
| | 12" DIA. VENT PIPE |
| | ELECTRIC MANHOLE |
| | TELEPHONE MANHOLE |
| | UTILITY POLE |
| | GUY WIRE |
| | LIGHT POLE |
| | FIELD LIGHTS |
| | MANHOLE (UNKNOWN TYPE) |
| | METAL COVER |
| | FLAG POLE |
| | SIGN |
| | SIGN |
| | BOLLARD |
| | HANDICAP PARKING STALL |
| | DECIDUOUS TREE |
| | CONIFER TREE |
| | MONITORING WELL |
| | SOIL BORING |
| | SOIL BORING WITH OBSERVATION WELL |
| | SOIL TEST PIT |
| | MASS HIGHWAY BOUND |
| | WETLAND FLAG |
| | IRON PIPE FOUND |
| | BOULDER |
| | SEWER LINE |
| | DRAIN LINE |
| | WATER LINE |
| | GAS LINE |
| | CHAIN LINK FENCE |
| | WOOD FENCE |
| | UNDERGROUND ELECTRIC |
| | OVERHEAD WIRES |
| | UNDERGROUND TELEPHONE |
| | UNDERGROUND CABLE TV |
| | STONE WALL |
| | TREE LINE |
| | 1' CONTOURS |
| | 5' CONTOURS |
| | PROPERTY LINE |
| | ABUTTERS PROPERTY LINE |
| | WETLAND LINE |
| PIPE MATERIAL ABBREVIATION | |
| | RCP REINFORCED CONCRETE PIPE |
| | VCP VITRIFIED CLAY PIPE |
| | METAL METAL PIPE |
| | PVC POLYVINYL CHLORIDE PIPE |
| | CI CAST IRON PIPE |

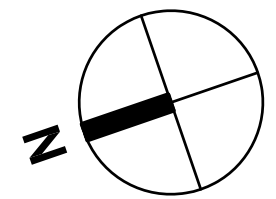
- NOTES:
- EXISTING CONDITIONS SHOWN ARE TAKEN FROM AN EXISTING CONDITIONS PLAN PREPARED BY GUNTLOW & ASSOCIATES OF WILLAMSTOWN, MA DATED JANUARY 25, 2013 AND UPDATED ON FEBRUARY 5, 2013.
 - HORIZONTAL DATUM IS ON THE MASSACHUSETTS STATE PLAN COORDINATE SYSTEM (MAES); VERTICAL DATUM IS NAVD83.
 - WETLANDS WERE DELINEATED BY AECOM ON OR ABOUT DECEMBER 2012. THE WETLAND LINES WERE FIELD SURVEYED BY GUNTLOW & ASSOCIATES.
 - SOIL BORINGS AND TEST PITS SHOWN HEREIN WERE CONDUCTED BY O'REILLY, TALBOT & OKUN ASSOCIATES ON OR ABOUT NOVEMBER 2012. THE BORINGS AND TEST PITS WERE FIELD SURVEYED BY GUNTLOW & ASSOCIATES.

| | |
|------------|------------------|
| 05/31/2013 | SCHEMATIC DESIGN |
| MARK DATE | DESCRIPTION |
| ISSUE LOG | |
| | CLOUDED CHANGE |

| | |
|---|----------|
| SCALE | 1"=40' |
| DRAWN BY | EFP |
| CHECK BY | |
| PROJ.ARCH/ENGR. | JCH |
| PROJ. MGR. | DFER |
| JOB NO. | 12029.00 |
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EXISTING CONDITIONS PLAN





| LEGEND | |
|--------|---|
| | FLARED END SECTION |
| | PROPOSED TREELINE |
| | DRAIN LINE |
| | CATCH BASIN |
| | DRAIN MANHOLE |
| | SPOT GRADE |
| | EXISTING CONTOUR |
| | PROPOSED CONTOUR |
| | RIPRAP |
| | CORRUGATED POLYETHYLENE PIPE |
| | LIMIT OF WORK |
| | REINFORCED CONCRETE PIPE |
| | POLYVINYL CHLORIDE PIPE |
| | VEHICLE ACCESS |
| | HAYBALES W/ SILT FENCE |
| | BUILDING |
| | EDGE OF PAVEMENT |
| | DIRECTION OF SURFACE RUNOFF |
| | REMOVE BITUMINOUS PAVEMENT AND ADJACENT CURBING |
| | REMOVE AND CLEAR TREES |
| | REMOVE LIGHT POLE |
| | REMOVE TREES |
| | TEMPORARY OUTLET STRUCTURE |
| | REMOVE UTILITY PIPE |

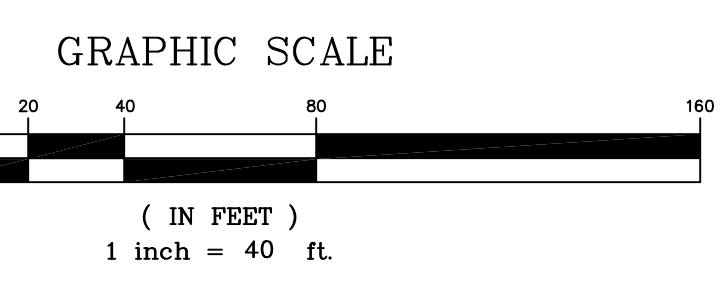
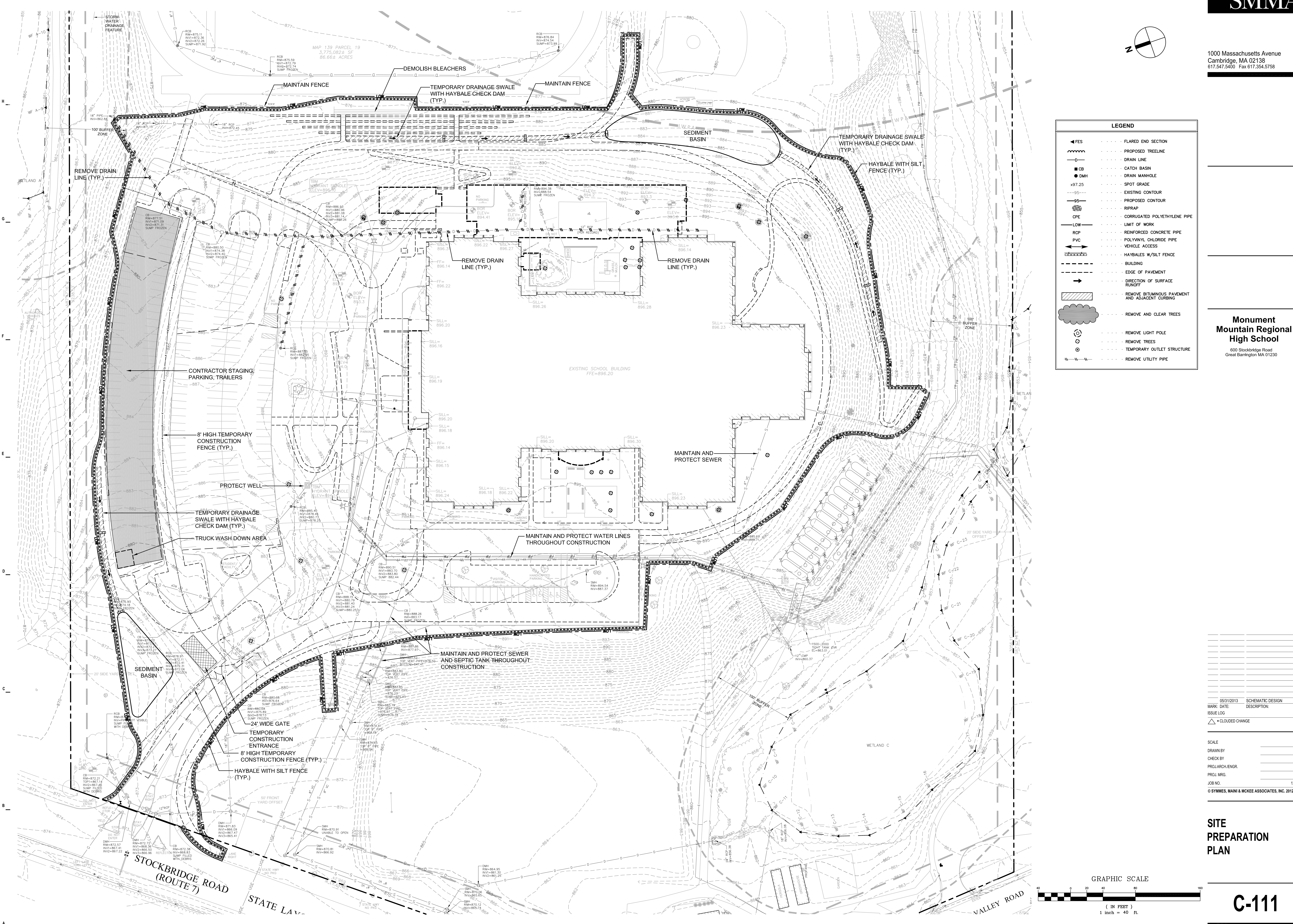
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Great Barrington MA 01230

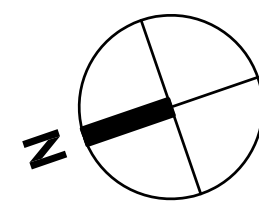
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|------------------|------------------|
| 05/31/2013 | SCHEMATIC DESIGN |
| MARK DATE | DESCRIPTION |
| ISSUE LOG | |
| △ CLOUDED CHANGE | |

| | |
|---|----------|
| SCALE | 1"=40' |
| DRAWN BY | EFF |
| CHECK BY | |
| PROJ ARCH/ENGR | JCH |
| PROJ MGR | DFBR |
| JOB NO. | 12029.00 |
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SITE PREPARATION PLAN

C-111

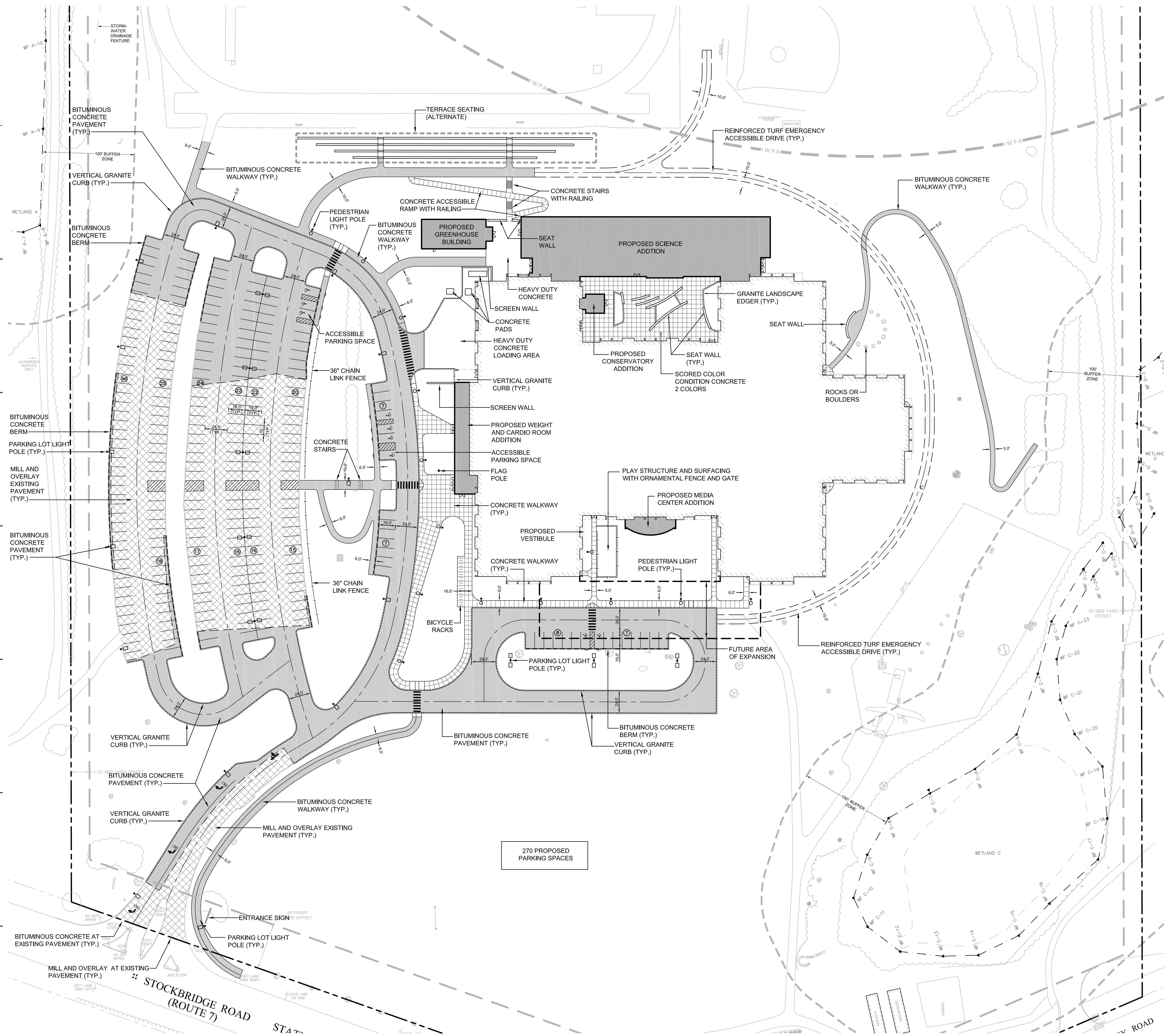




| LEGEND | |
|----------|--------------------------------------|
| [Symbol] | BOLLARD |
| [Symbol] | SIGN |
| [Symbol] | RETAINING WALL |
| [Symbol] | VERTICAL GRANITE CURB |
| [Symbol] | BITUMINOUS CONCRETE BERM |
| [Symbol] | CROSSWALK |
| [Symbol] | WHEELCHAIR ACCESSIBLE CURB RAMP |
| [Symbol] | HANDICAP PARKING |
| [Symbol] | CONCRETE WALK |
| [Symbol] | BITUMINOUS CONCRETE WALK |
| [Symbol] | METAL GUARDRAIL |
| [Symbol] | CHAIN LINK FENCE |
| [Symbol] | PARKING COUNTS |
| [Symbol] | PAVEMENT MILL AND OVERLAY (2" DEPTH) |
| [Symbol] | REINFORCED TURF |
| [Symbol] | BITUMINOUS CONCRETE PAVEMENT |

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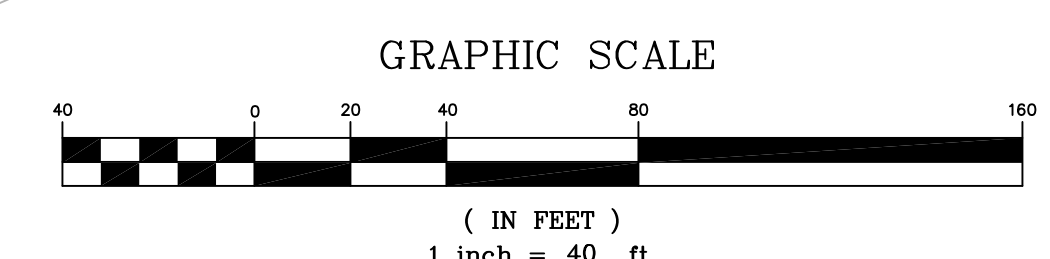
270 PROPOSED PARKING SPACES

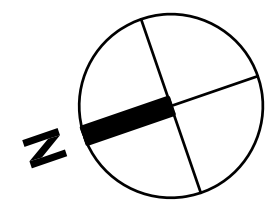
| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |

05/31/2013 SCHEMATIC DESIGN
ISSUE LOG
▲ CLOUDIED CHANGE

| | |
|---|----------|
| SCALE | 1"=40' |
| DRAWN BY | EFF |
| CHECK BY | |
| PROJARCH/ENGR | JCH |
| PROJ. MGR. | DPER |
| JOB NO. | 12029.00 |
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LAYOUT & MATERIALS PLAN





| LEGEND | |
|-------------------------------|-------------------------------|
| FLARED END SECTION | FLARED END SECTION |
| WATER GATE | WATER GATE |
| TRENCH DRAIN | TRENCH DRAIN |
| SEWER MANHOLE | SEWER MANHOLE |
| DRAIN MANHOLE | DRAIN MANHOLE |
| TELEPHONE MANHOLE | TELEPHONE MANHOLE |
| ELECTRIC MANHOLE | ELECTRIC MANHOLE |
| CATCH BASIN | CATCH BASIN |
| HYDRANT | HYDRANT |
| WATER LINE | WATER LINE |
| DRAIN LINE | DRAIN LINE |
| SEWER LINE | SEWER LINE |
| GAS LINE | GAS LINE |
| ELECTRIC LINE | ELECTRIC LINE |
| TELEPHONE LINE | TELEPHONE LINE |
| DOMESTIC SERVICE | DOMESTIC SERVICE |
| FIRE PROTECTION SERVICE | FIRE PROTECTION SERVICE |
| FORCE MAIN | FORCE MAIN |
| ROOF DRAIN | ROOF DRAIN |
| OIL WATER SEPARATOR | OIL WATER SEPARATOR |
| DRY WELL | DRY WELL |
| SPOT GRADE | SPOT GRADE |
| CONTOUR | CONTOUR |
| TOP OF CURB | TOP OF CURB |
| BOTTOM OF CURB | BOTTOM OF CURB |
| FINISH FLOOR ELEVATION | FINISH FLOOR ELEVATION |
| RIM ELEVATION | RIM ELEVATION |
| INVERT ELEVATION | INVERT ELEVATION |
| RIPRAP | RIPRAP |
| CORRUGATED METAL PIPE | CORRUGATED METAL PIPE |
| POLYVINYL CHLORIDE PIPE | POLYVINYL CHLORIDE PIPE |
| REINFORCED CONCRETE PIPE | REINFORCED CONCRETE PIPE |
| CORRUGATED POLYETHYLENE PIPE | CORRUGATED POLYETHYLENE PIPE |
| CEMENT LINE DUCTILE IRON PIPE | CEMENT LINE DUCTILE IRON PIPE |
| POST INDICATOR VALVE | POST INDICATOR VALVE |
| ROOF DRAIN | ROOF DRAIN |
| CAST IRON | CAST IRON |
| DRAIN INLET | DRAIN INLET |
| CLEAN OUT | CLEAN OUT |

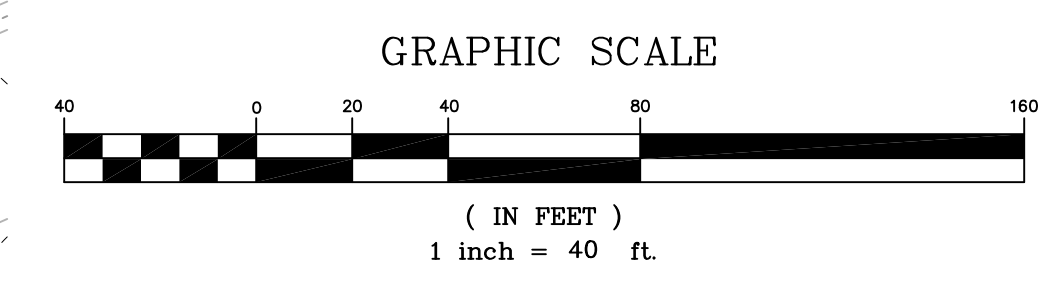
NOTES:
1. ALL DRAIN PIPES ARE 12" CPE UNLESS OTHERWISE NOTED.

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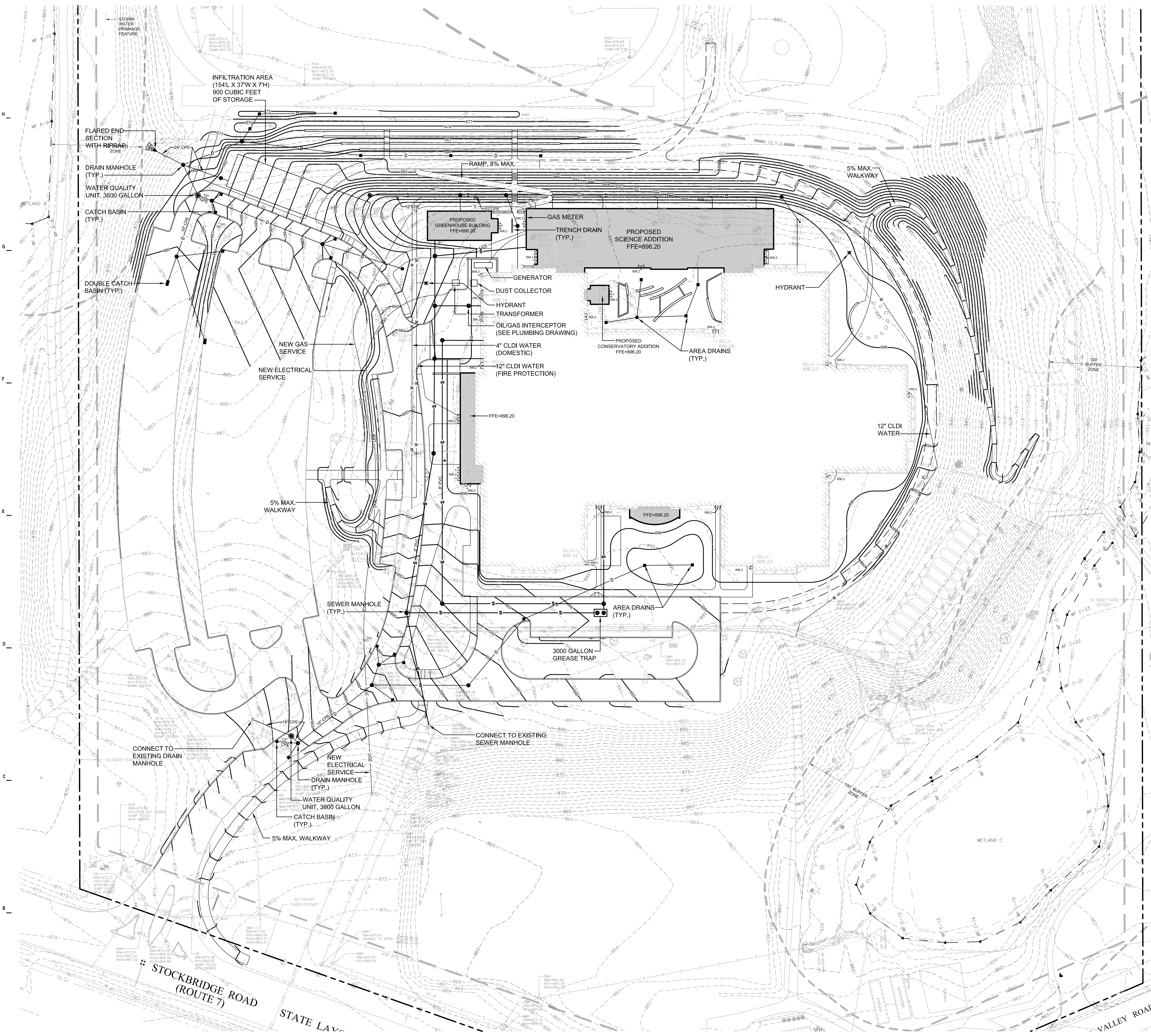
| DATE | DESCRIPTION |
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| 05/31/2013 | SCHEMATIC DESIGN |
| MARK DATE | DESCRIPTION |
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| △ | CLAUDED CHANGE |

| SCALE | 1"=40' |
|--|----------|
| DRAWN BY | EFF |
| CHECK BY | |
| PROJ.ARCH.ENGR. | JCH |
| PROJ. MGR. | DFBR |
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GRADING & UTILITIES PLAN



C-141



H
G
F
E
D
C
B
A

STOCKBRIDGE ROAD (ROUTE 7)

STATE LAW

VALLEY ROAD

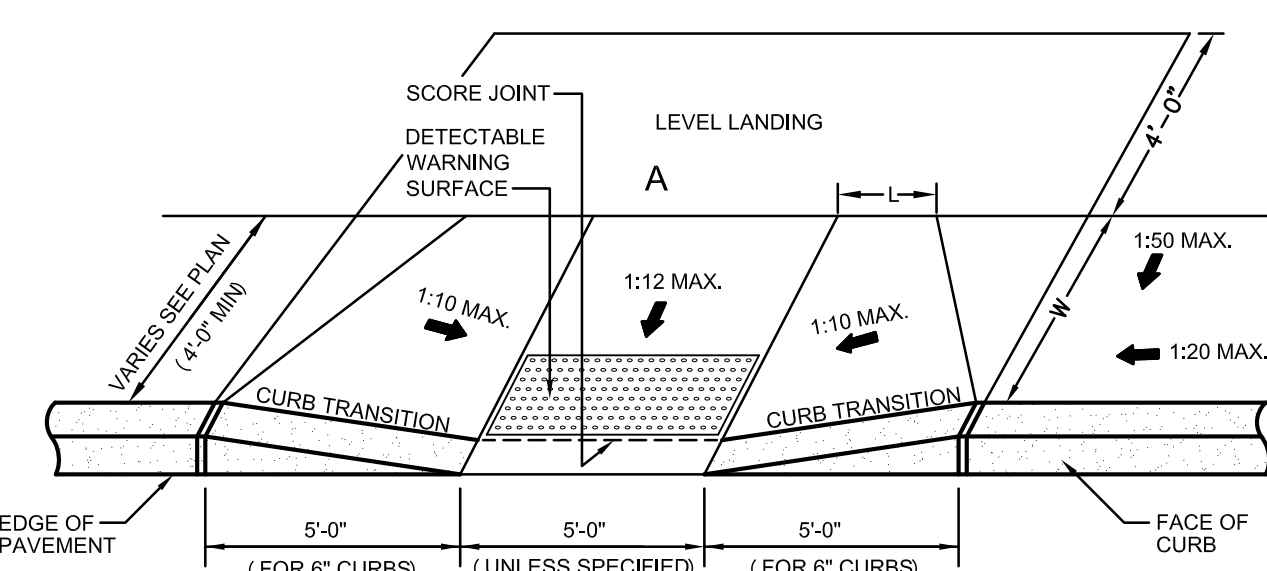
GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

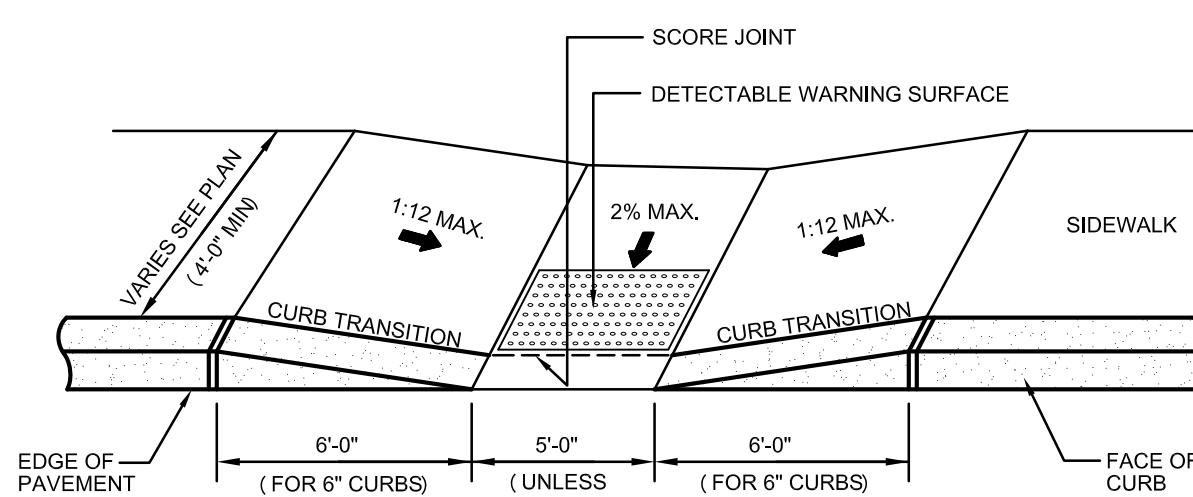
NOTES:
ACCESSIBLE PARKING SPACES:
1. MAXIMUM SLOPE 2% IN ANY DIRECTION.
2. LOCATE SIGN WITHIN 10' OF ACCESSIBLE SPACE.
3. PROVIDE AN ACCESSIBLE CURB CUT AT EACH ACCESSIBLE BETWEEN ACCESSIBLE SPACES.

LEVEL LANDINGS:
1. PROVIDE LEVEL LANDINGS WITH MAXIMUM SLOPE IN ANY DIRECTION OF 1%.
TACTILE WARNING DEVICES:
1. EXTEND FULL WIDTH OF CURB RAMP AND A LENGTH OF 24 INCHES.
2. MATERIAL CONTRASTS WITH ADJACENT MATERIAL BY AT LEAST 70%.
3. DOME SIZE
HEIGHT: 0.2 INCHES
BASE DIAMETER: 0.9 TO 1.4 INCHES
TOP DIAMETER: 50% TO 60% OF BASE DIAMETER
BASE TO BASE: 0.65 MINIMUM, BETWEEN CLOSEST DOMES IN GRID

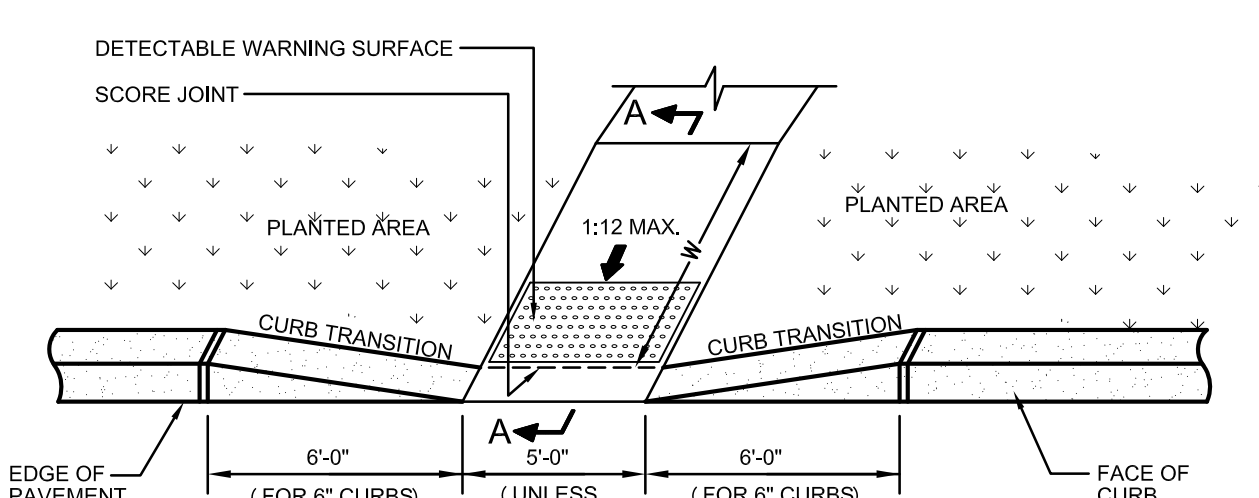
| W | H |
|-------|-------|
| 4'-0" | 2'-0" |
| 5'-0" | 1'-0" |
| 6'-0" | 0'-0" |



E3 ACCESSIBLE CURB CUT (TYPE 1)
N.T.S.

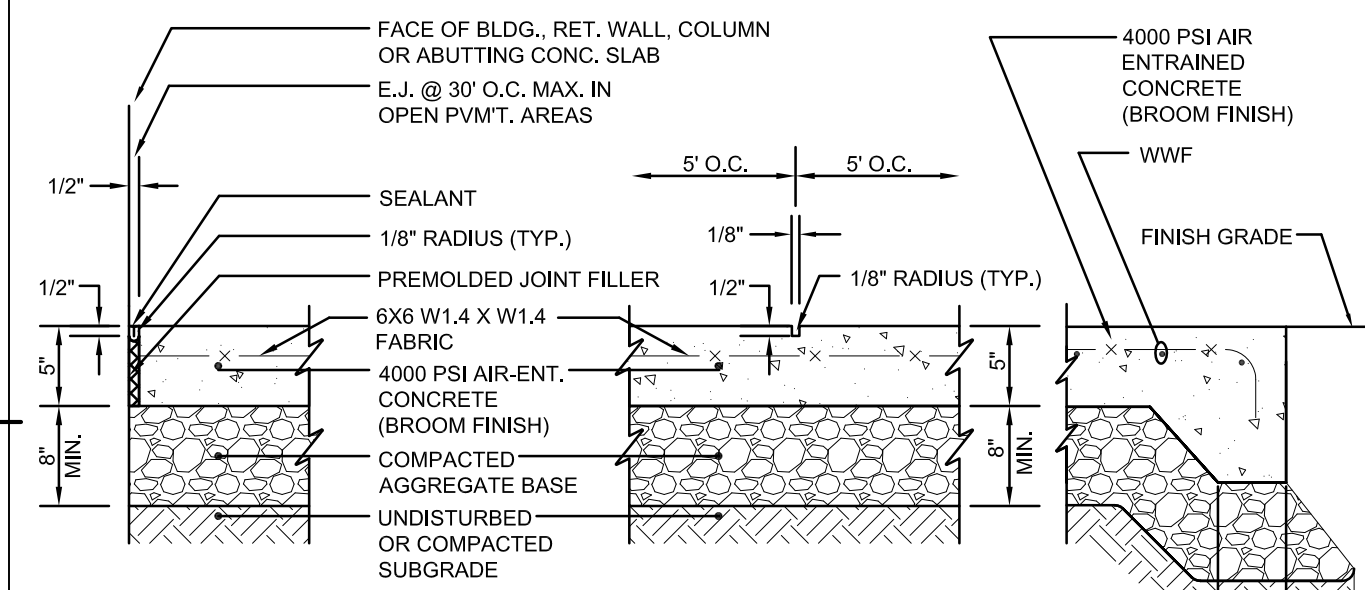


E5 ACCESSIBLE CURB CUT (TYPE 2)
N.T.S.



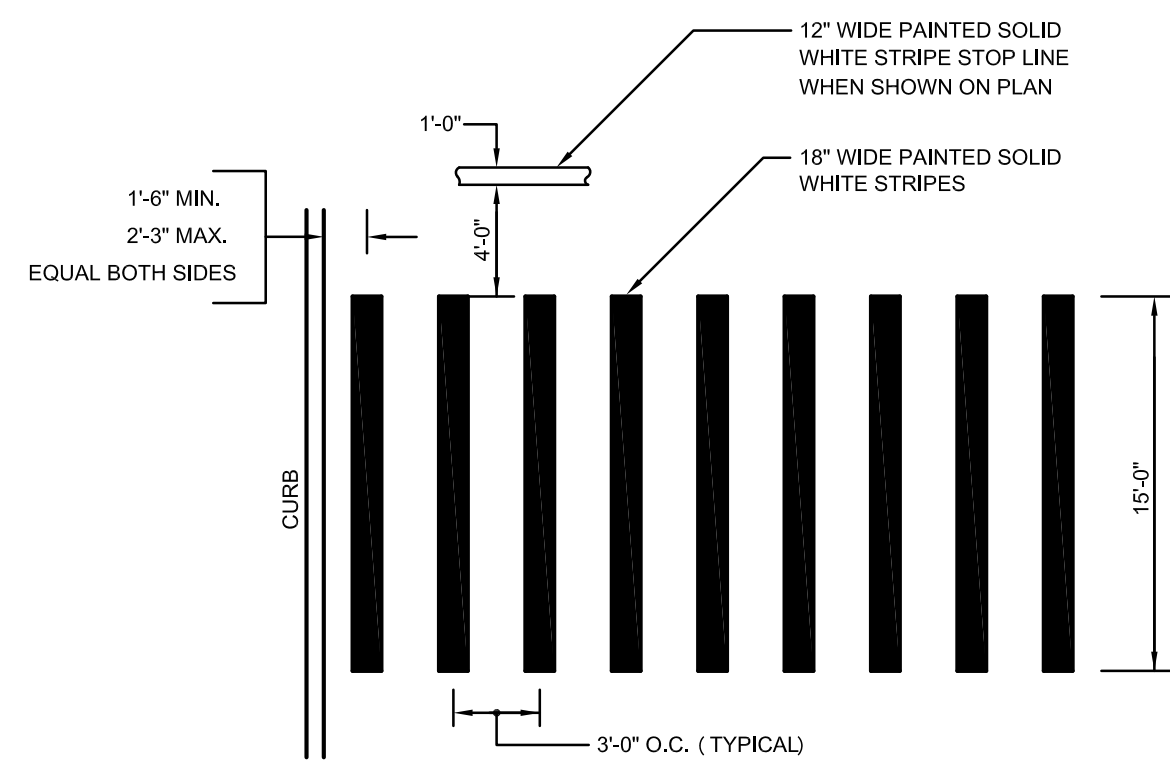
E7 ACCESSIBLE CURB CUT (TYPE 3)
N.T.S.

E1 NOTES
N.T.S.

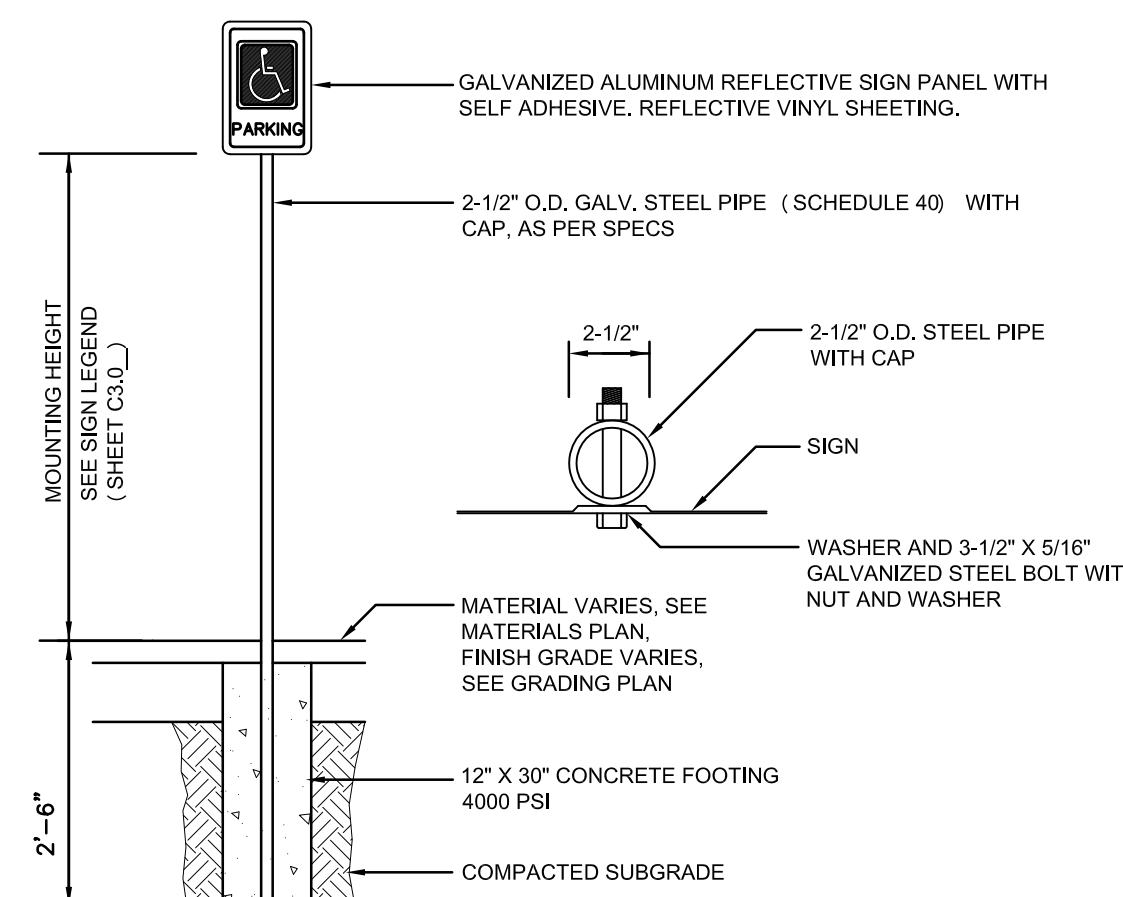


1. MAXIMUM CROSS SLOPE = 2%
2. MAXIMUM GRADIENT = 5%
3. PROVIDE EXPANSION JOINT AT FACE OF ABUTTING SLABS AND STRUCTURES.
4. PROVIDE VERTICAL GRANITE OR PRECAST CONCRETE CURBING PER SHEET C3.01 AND C3.02
5. PROVIDE MIN. 24" COMPACTED AGGREGATE BASE WITHIN 10' OF ALL BUILDINGS.

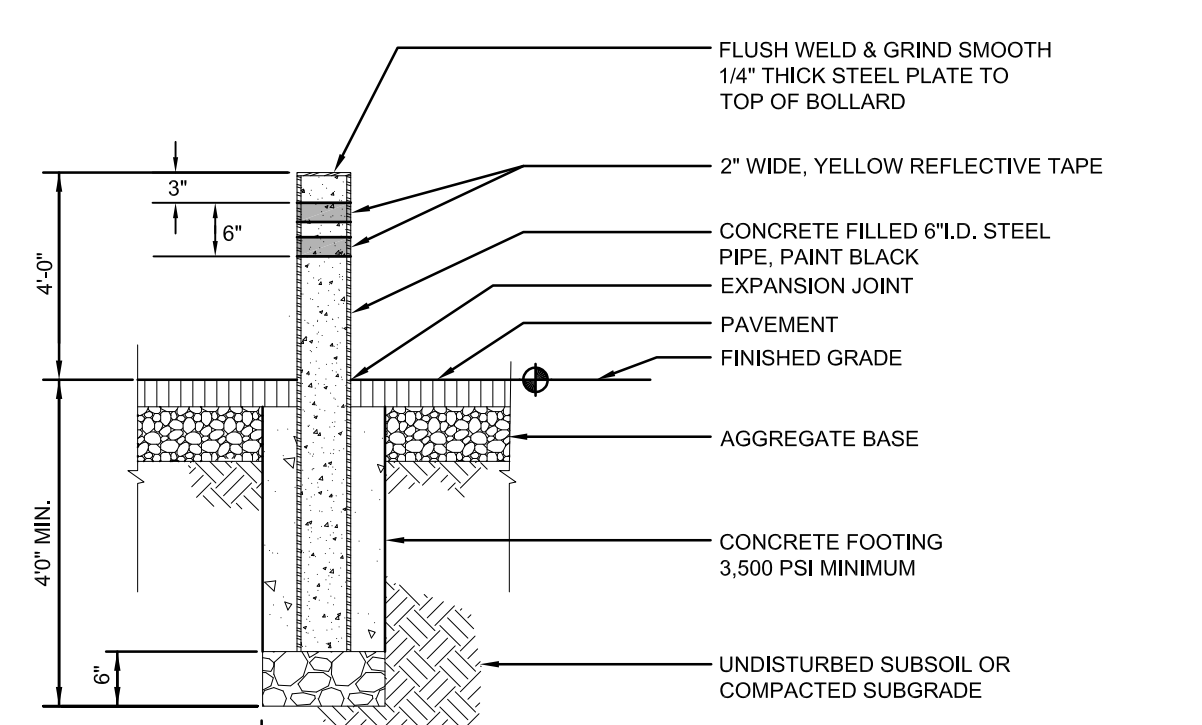
C1 CONCRETE WALKWAY
N.T.S.



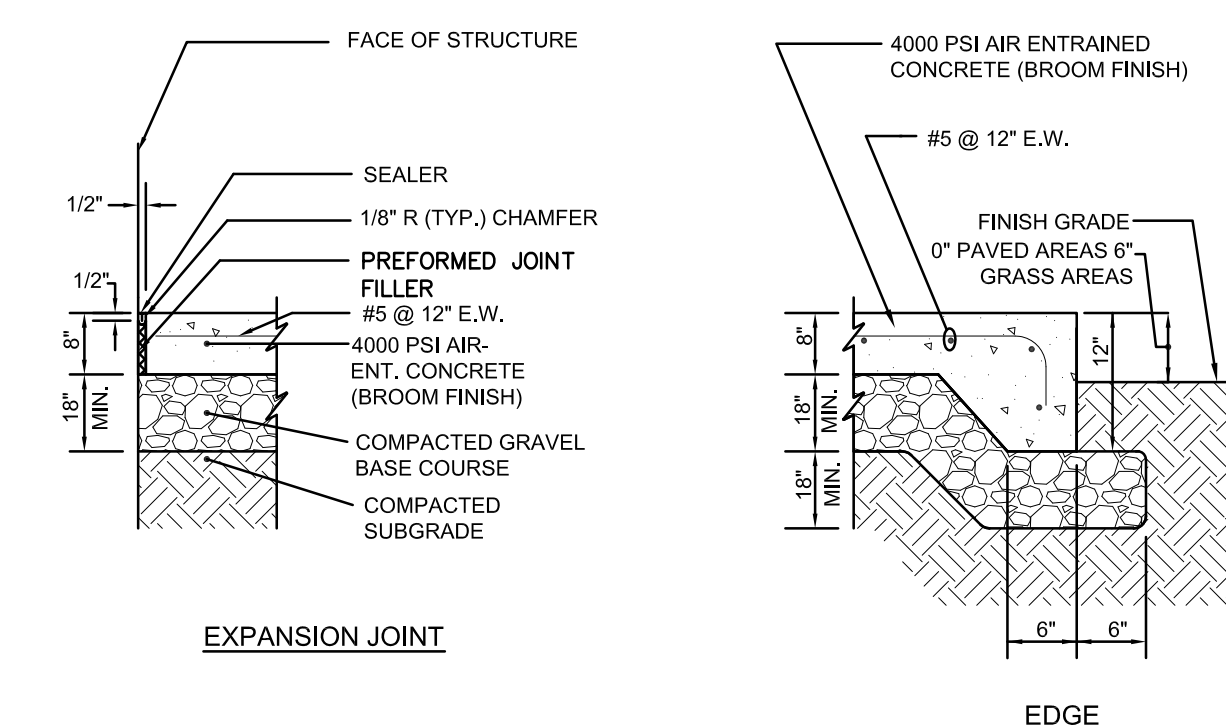
C3 CROSSWALK
N.T.S.



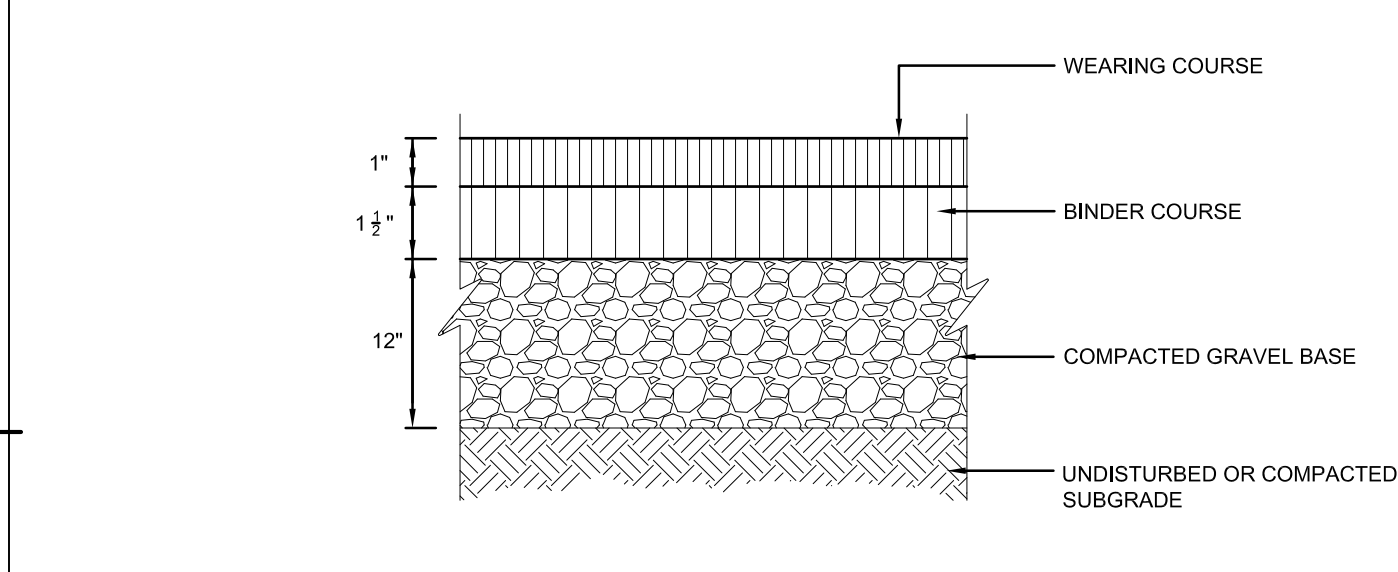
C5 PARKING SIGN
N.T.S.



C7 STEEL BOLLARD
N.T.S.

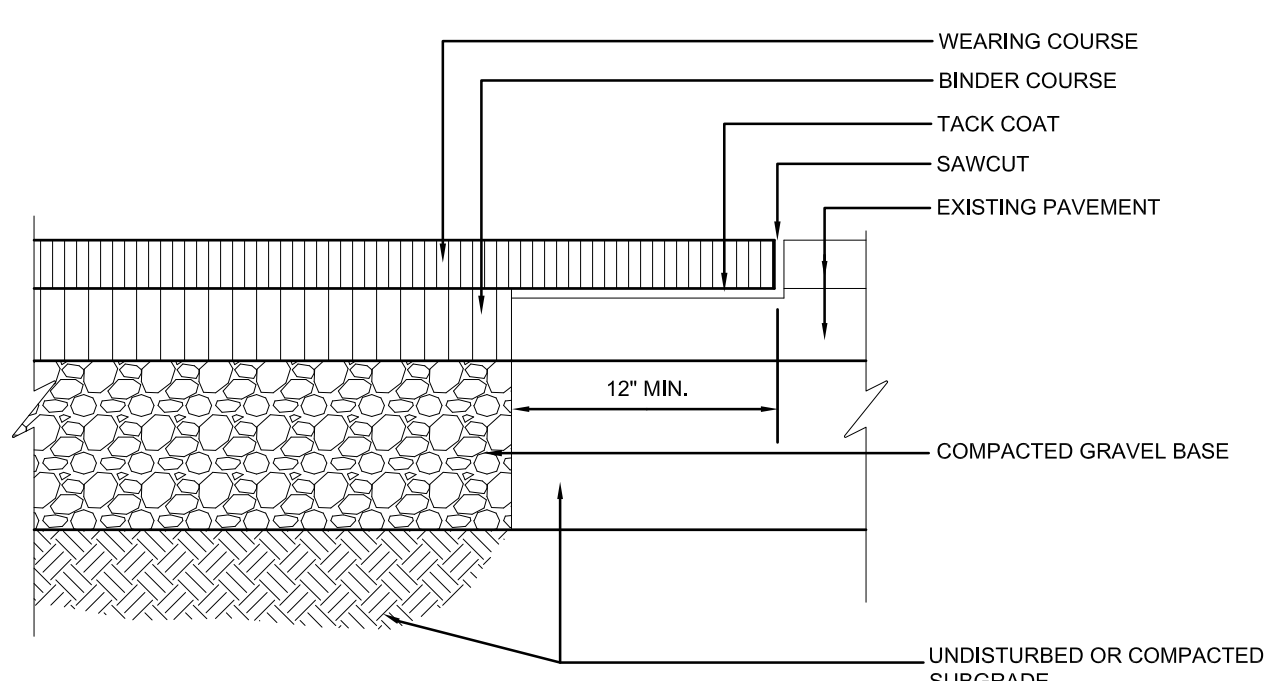


C9 EQUIPMENT PAD
N.T.S.

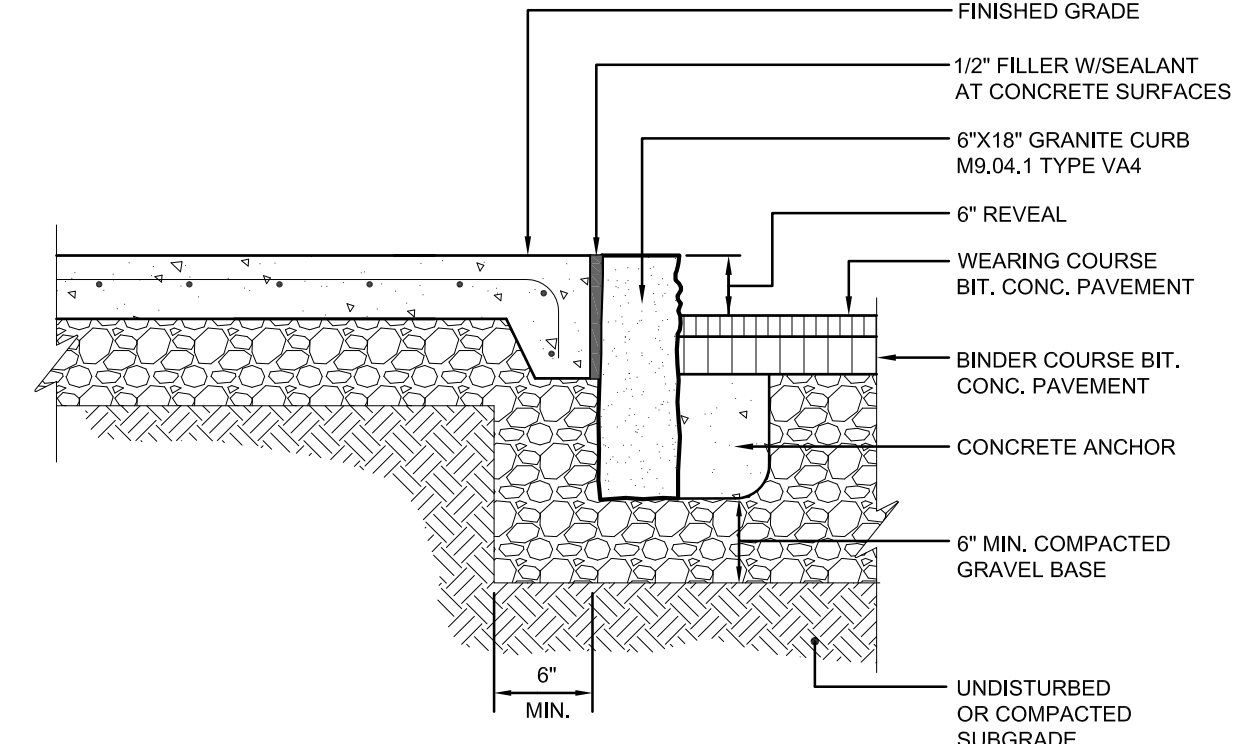


NOTE:
FOR BITUMINOUS CONCRETE SIDEWALKS USE 6" OF COMPACTED GRAVEL BASE.

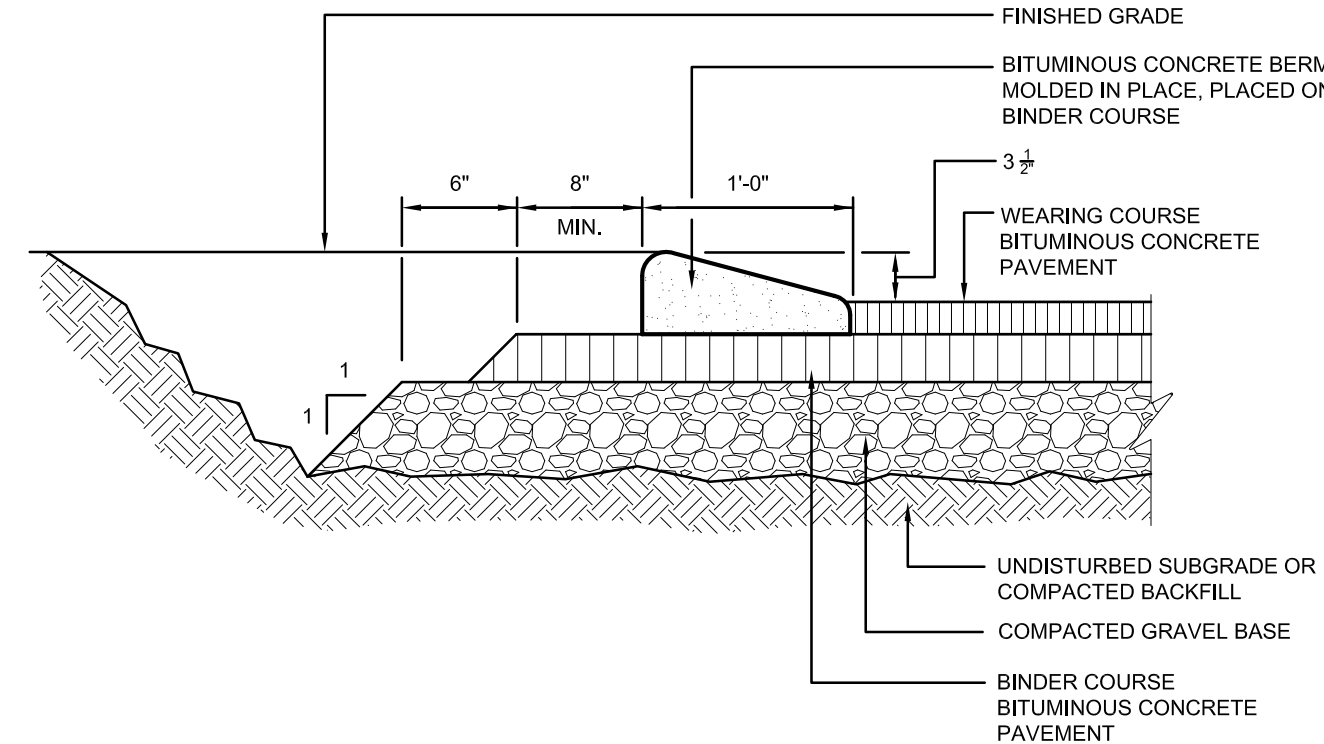
A1 BITUMINOUS CONCRETE
N.T.S.



A3 BITUMINOUS CONCRETE AT EXISTING PAVEMENT
N.T.S.



A5 VERTICAL GRANITE CURB
N.T.S.

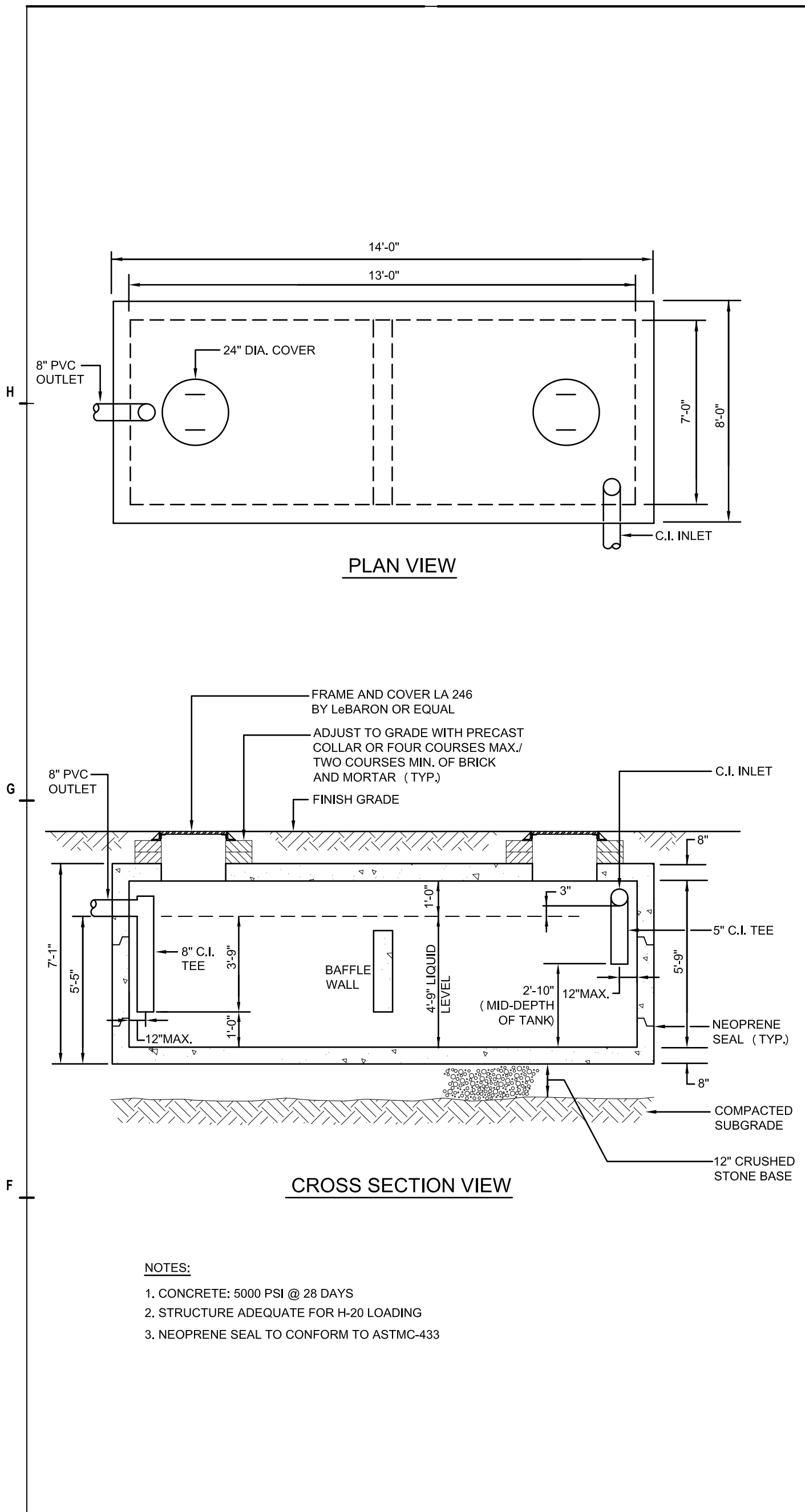


A7 LOW PROFILE BITUMINOUS CONCRETE BERM
N.T.S.

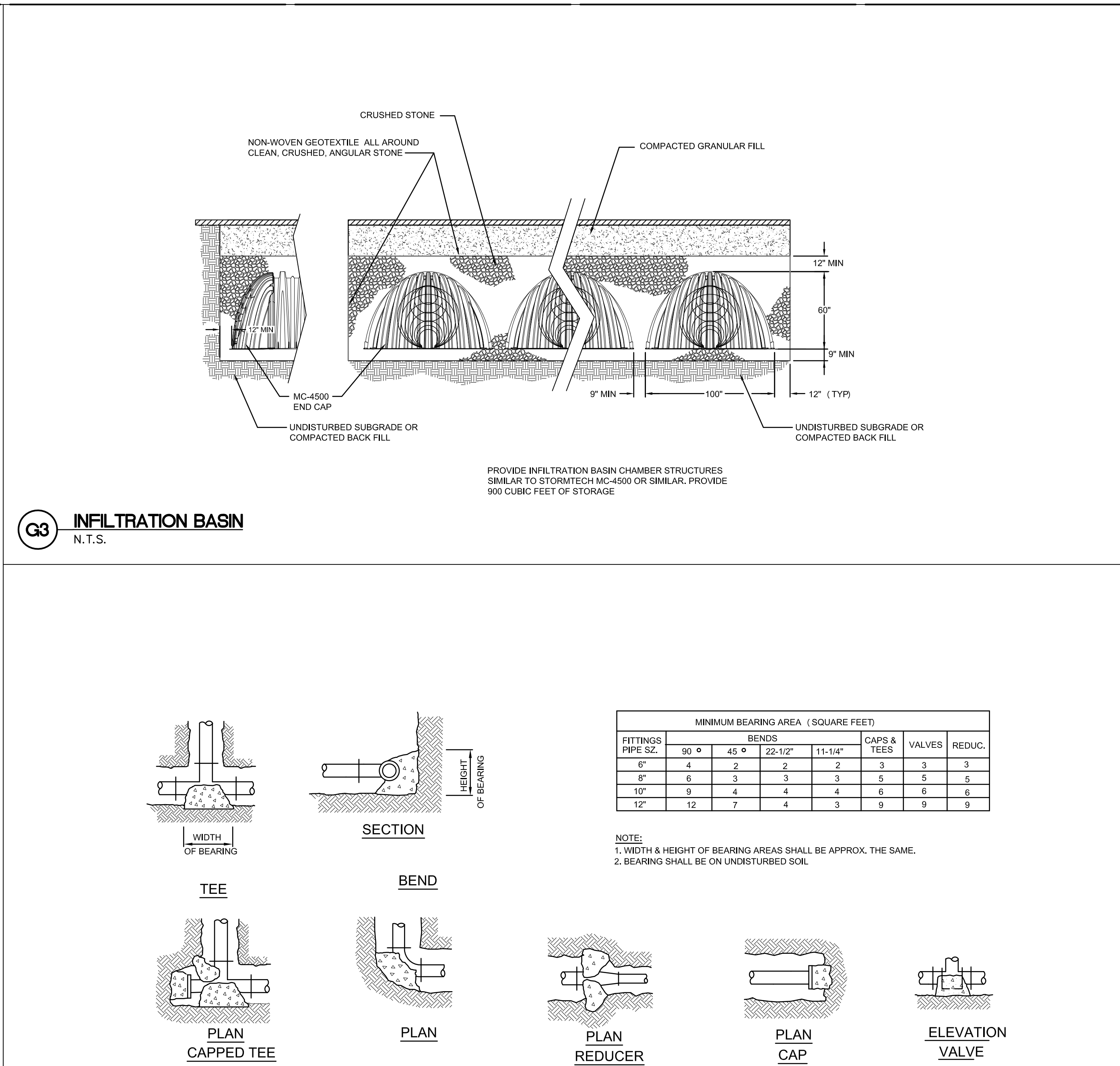
05/31/2013 SCHEMATIC DESIGN
MARK DATE DESCRIPTION
ISSUE LOG
▲ CLOUDIED CHANGE

| | |
|--|----------|
| SCALE | AS NOTED |
| DRAWN BY | EFF |
| CHECK BY | |
| PROJ.ARCH/ENGR. | JCH |
| PROJ. MGR. | DFBR |
| JOB NO. | 12029.00 |
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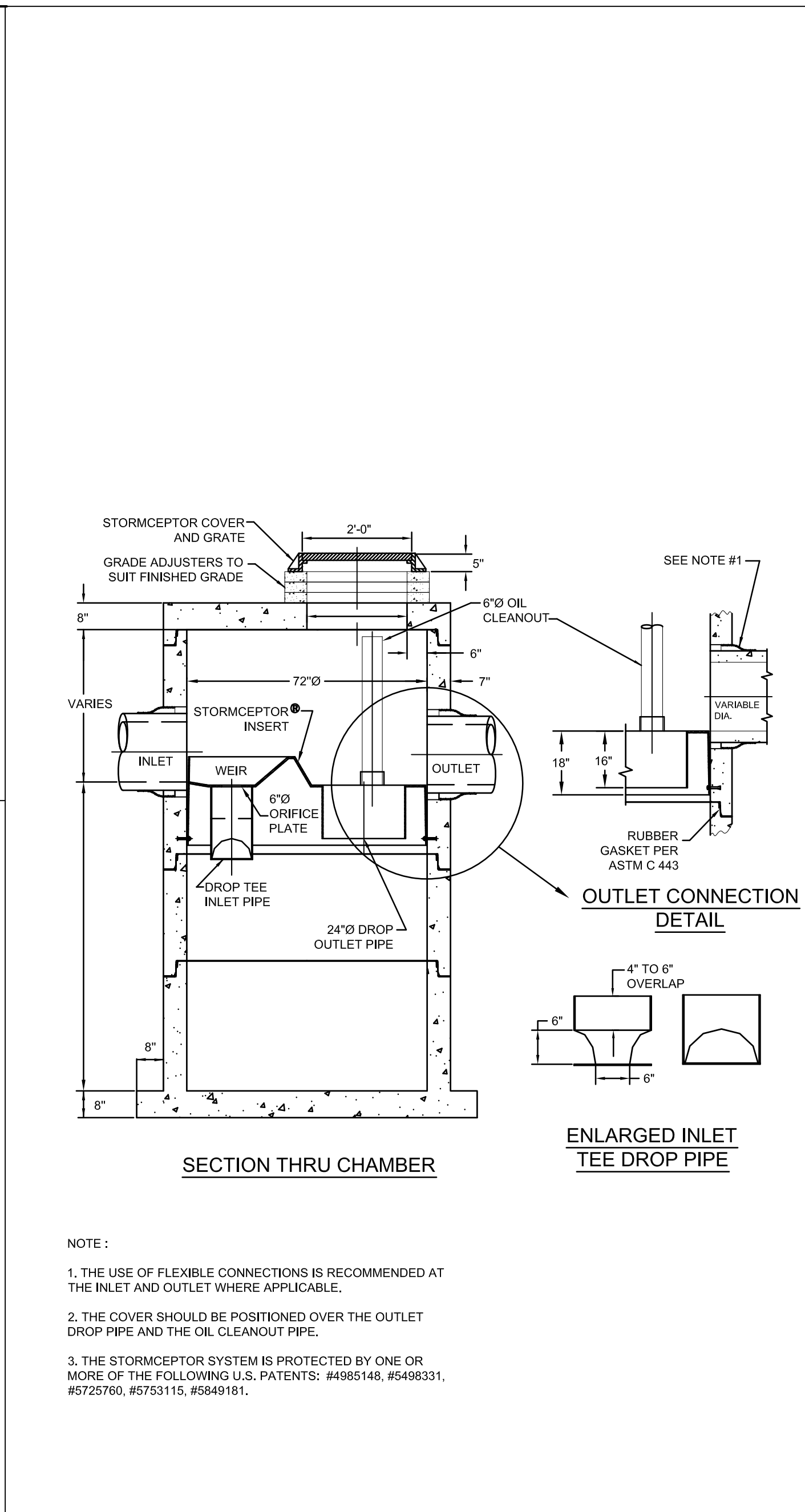
DETAILS II



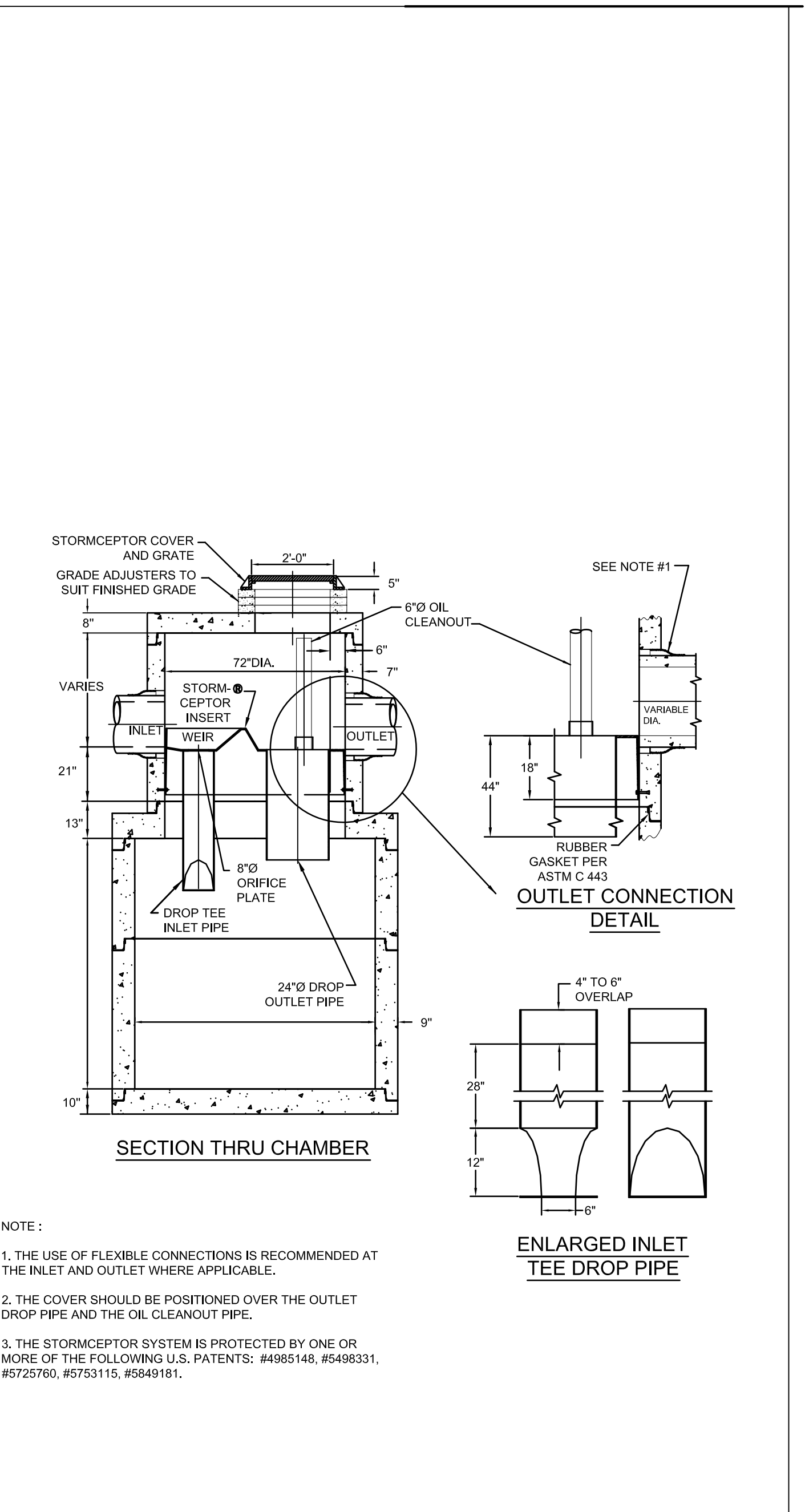
E1 3,000 GALLON GREASE TRAP
N.T.S.



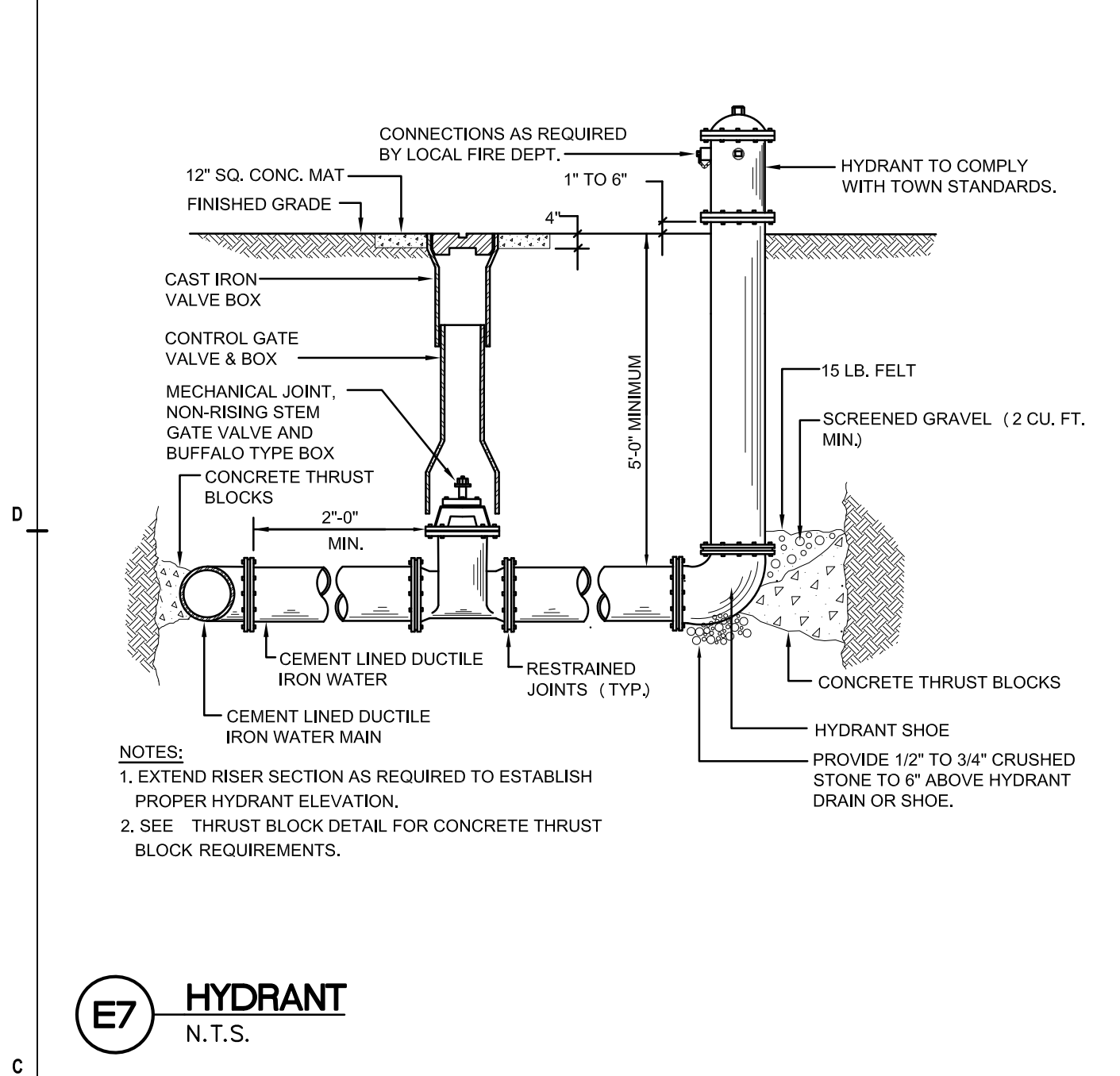
G3 INFILTRATION BASIN
N.T.S.



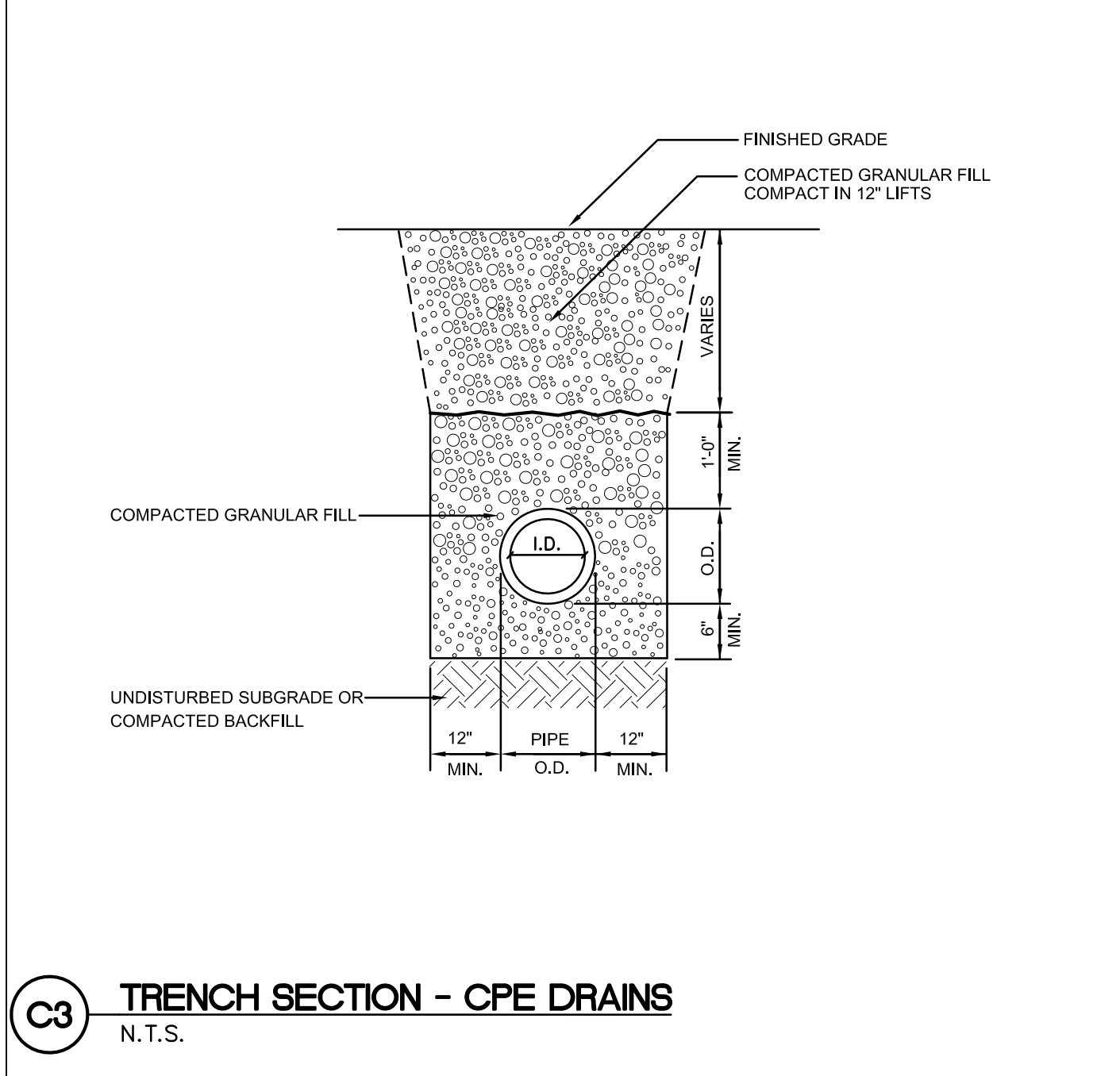
E7 1800 GALLON WATER QUALITY UNIT
N.T.S.



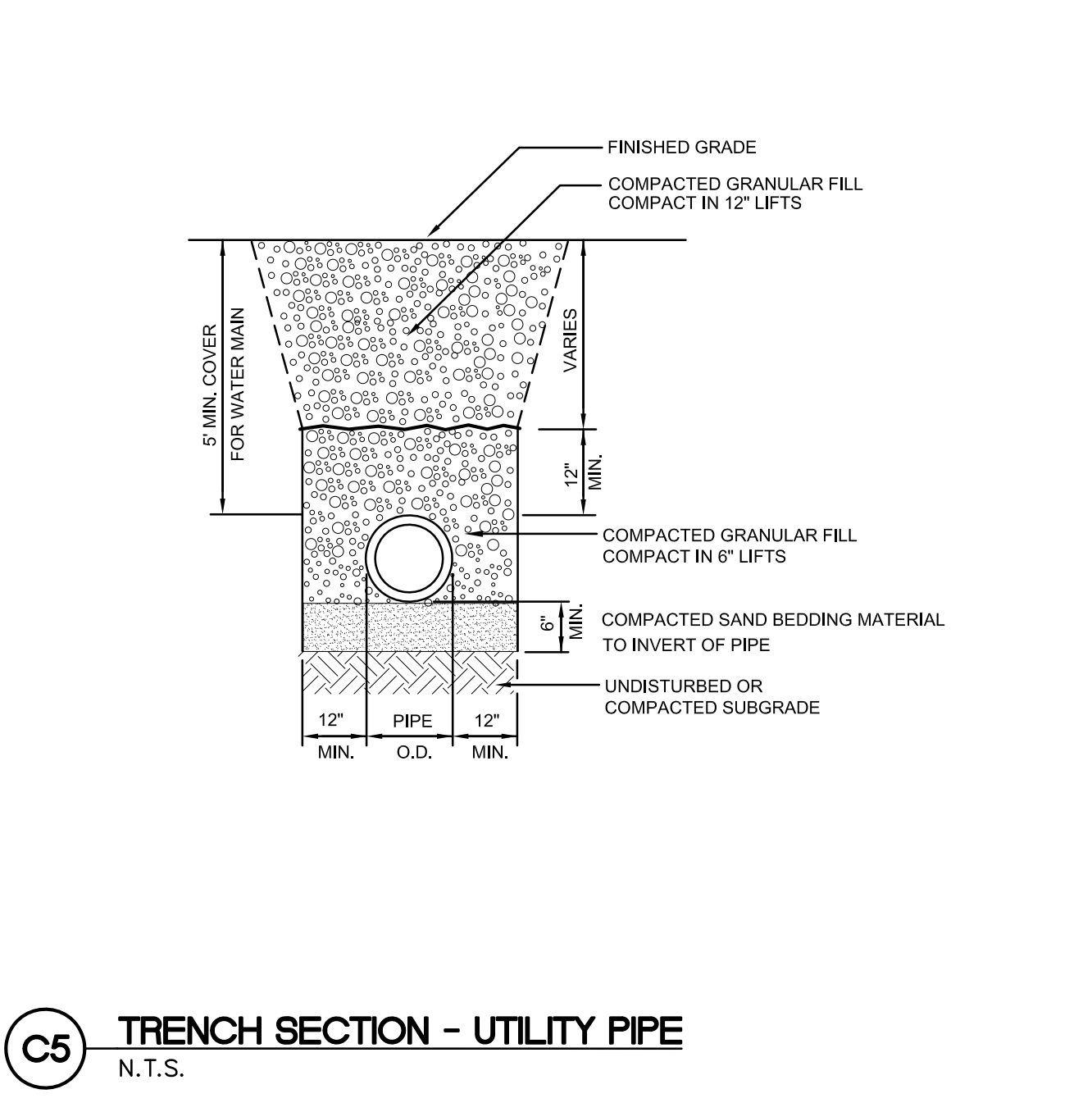
E9 3600 GALLON WATER QUALITY UNIT
N.T.S.



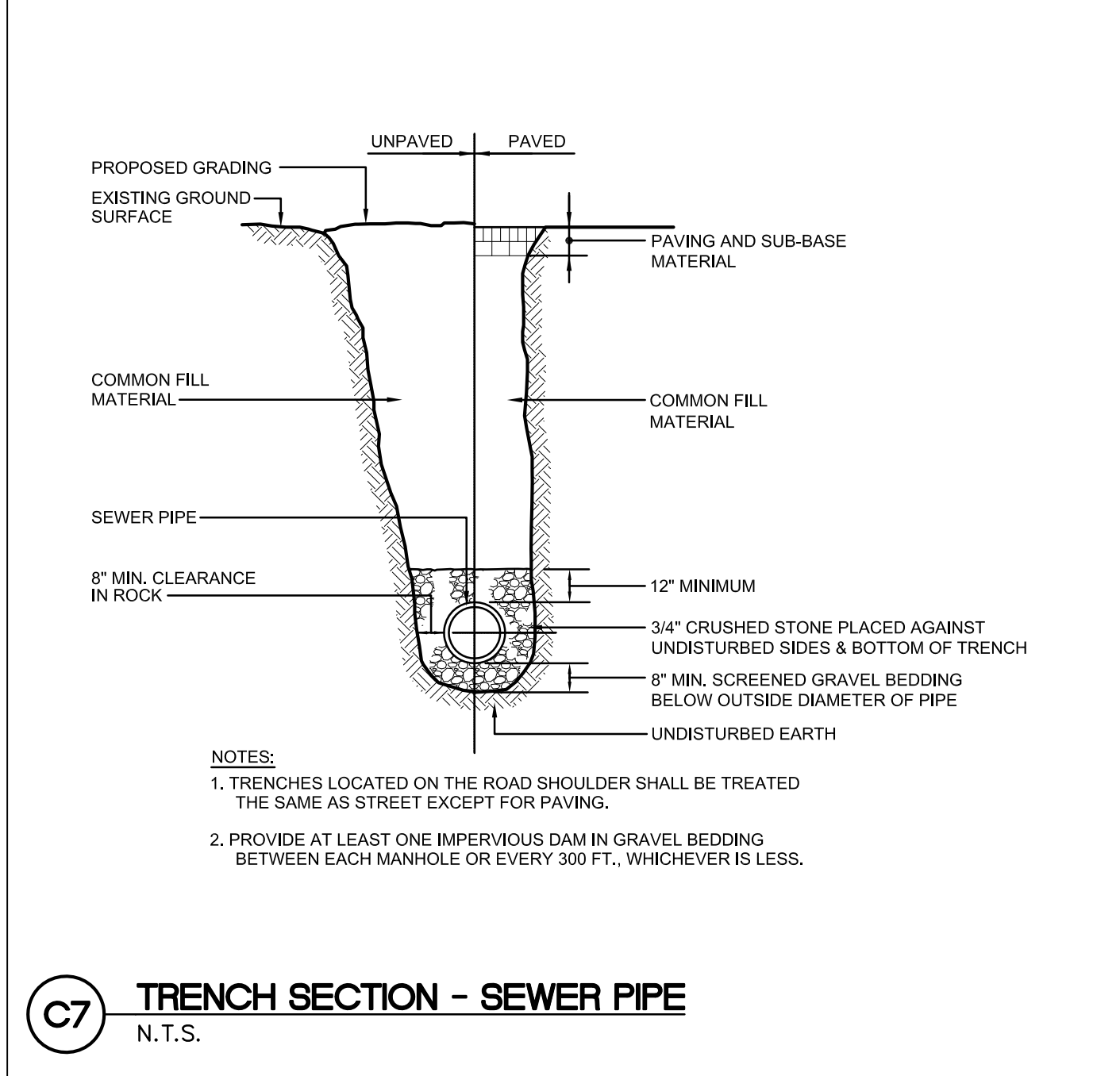
E7 HYDRANT
N.T.S.



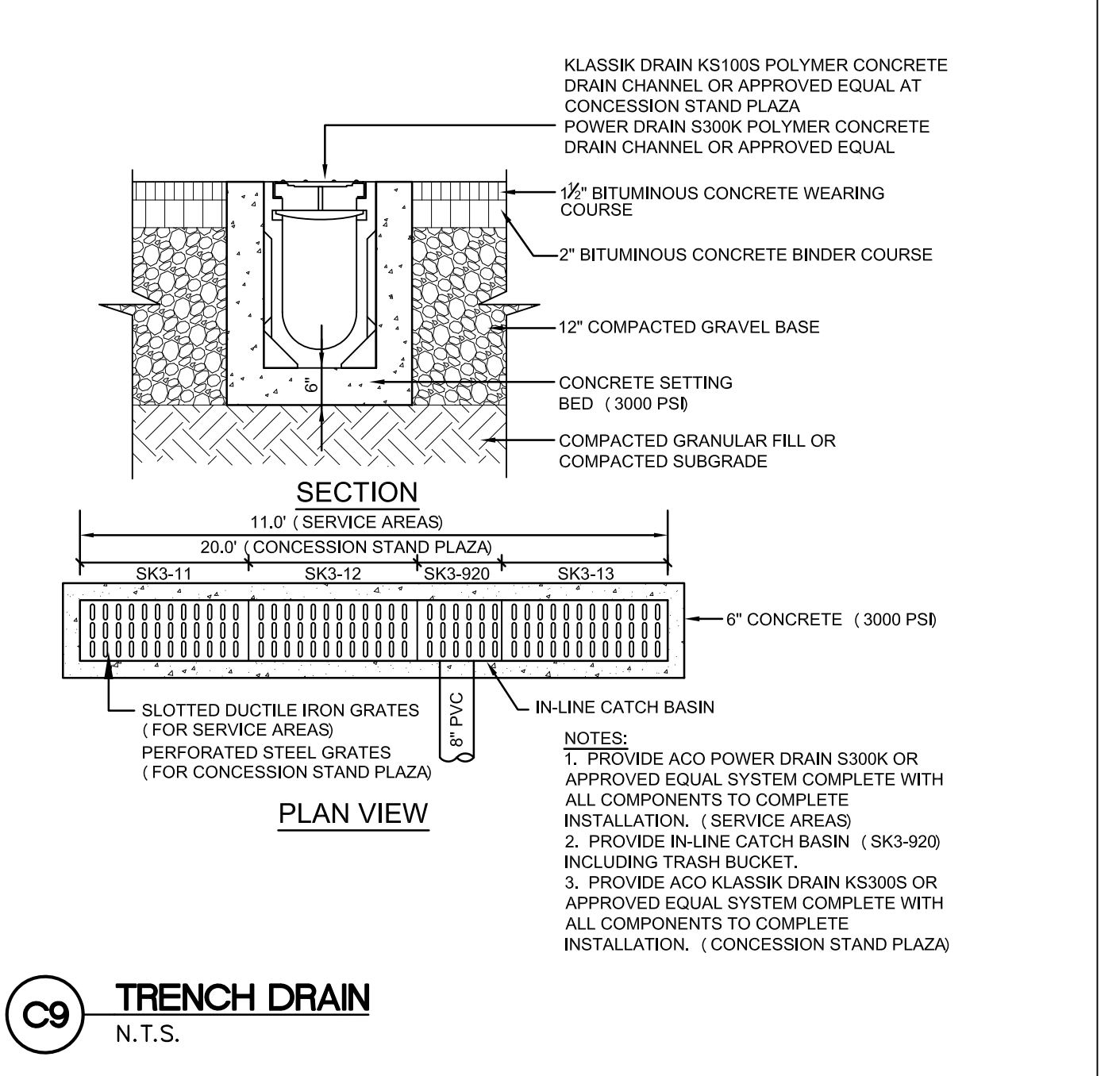
C3 TRENCH SECTION - CPE DRAINS
N.T.S.



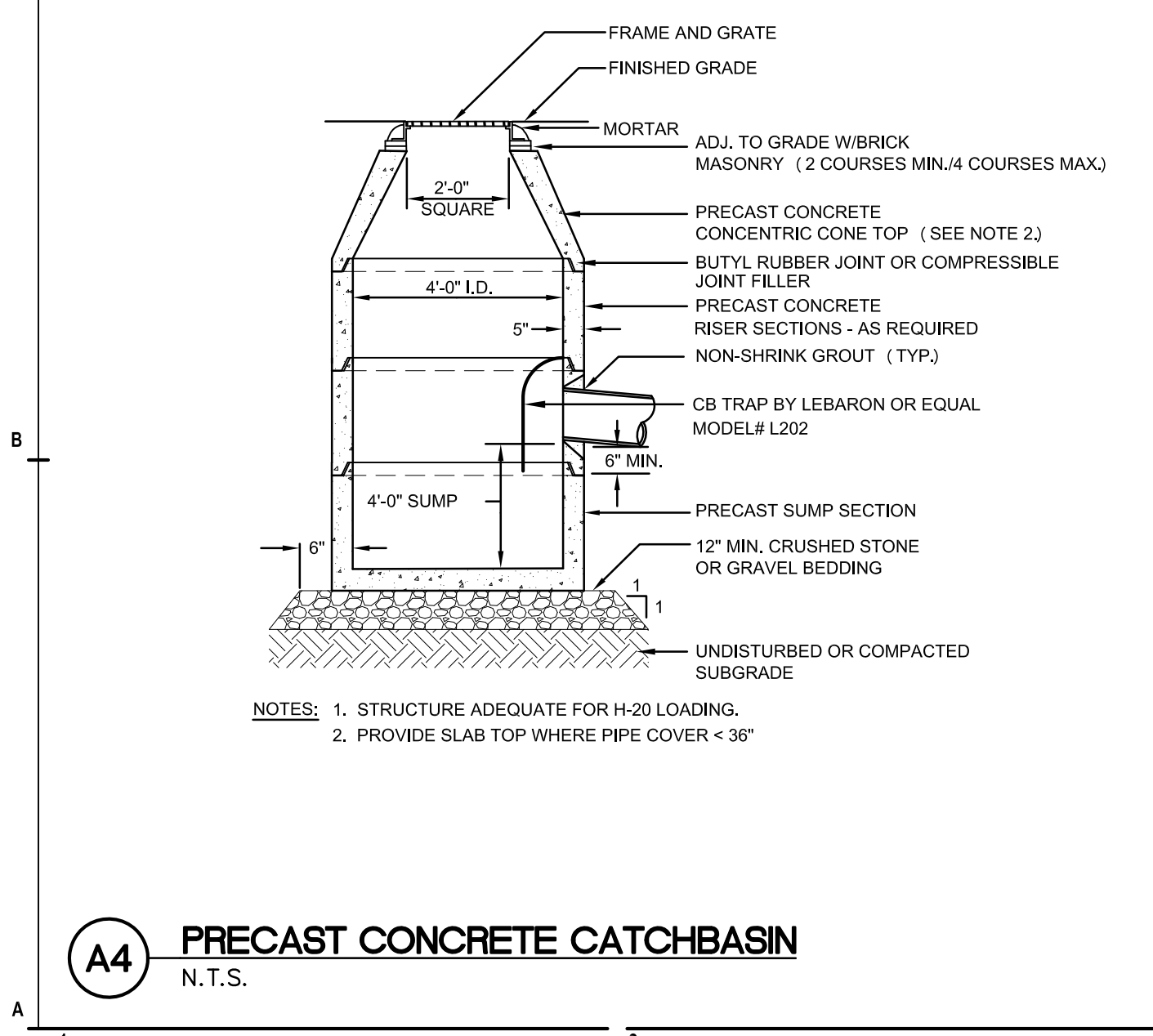
C5 TRENCH SECTION - UTILITY PIPE
N.T.S.



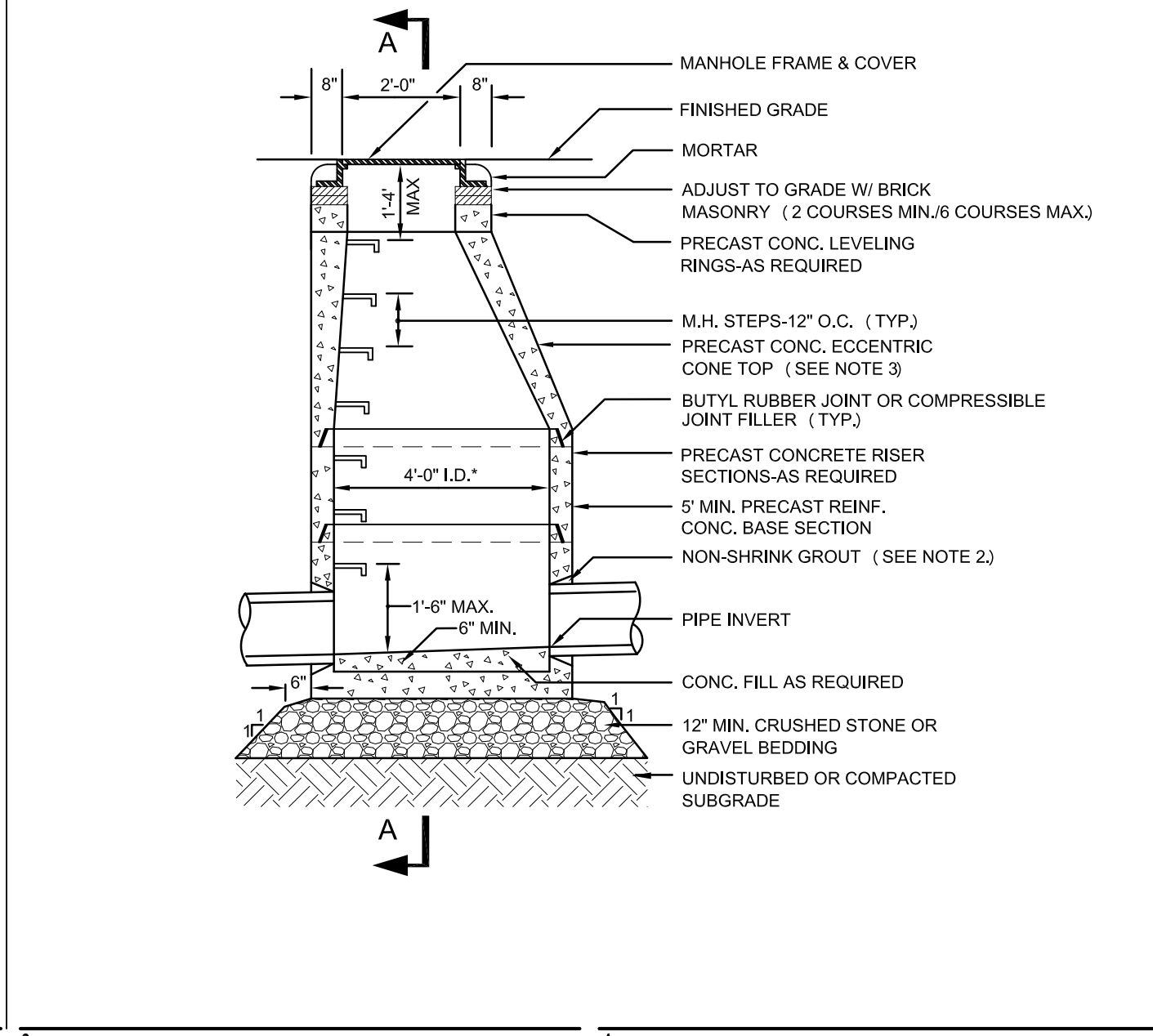
C7 TRENCH SECTION - SEWER PIPE
N.T.S.



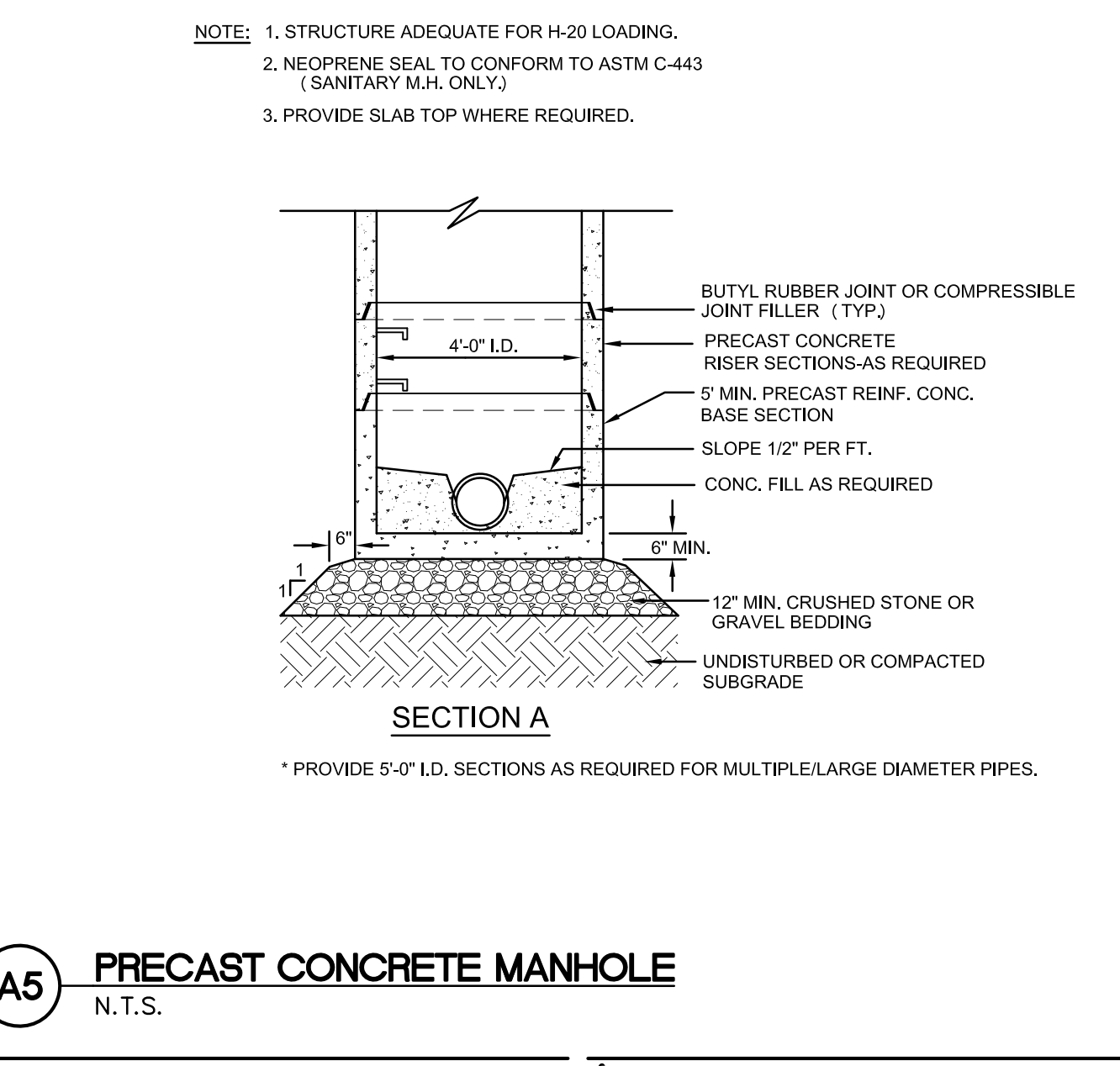
C9 TRENCH DRAIN
N.T.S.



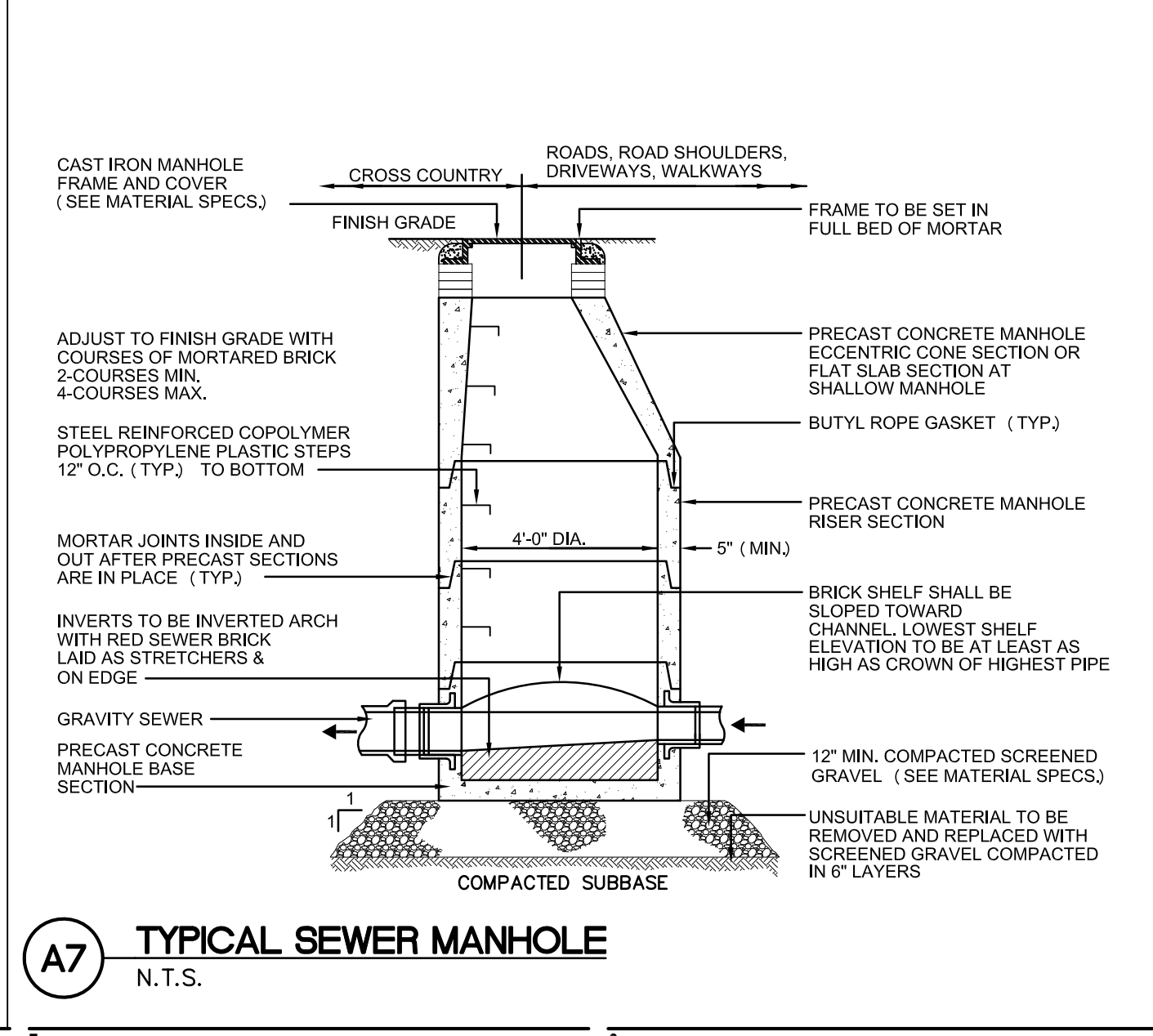
A4 PRECAST CONCRETE CATCHBASIN
N.T.S.



A5 PRECAST CONCRETE MANHOLE
N.T.S.



A7 TYPICAL SEWER MANHOLE
N.T.S.



A9 CLEANOUT
N.T.S.

| | |
|------------|------------------|
| 05/31/2013 | SCHEMATIC DESIGN |
| MARK DATE | DESCRIPTION |
| ISSUE LOG | |
| △ | CLAUDED CHANGE |

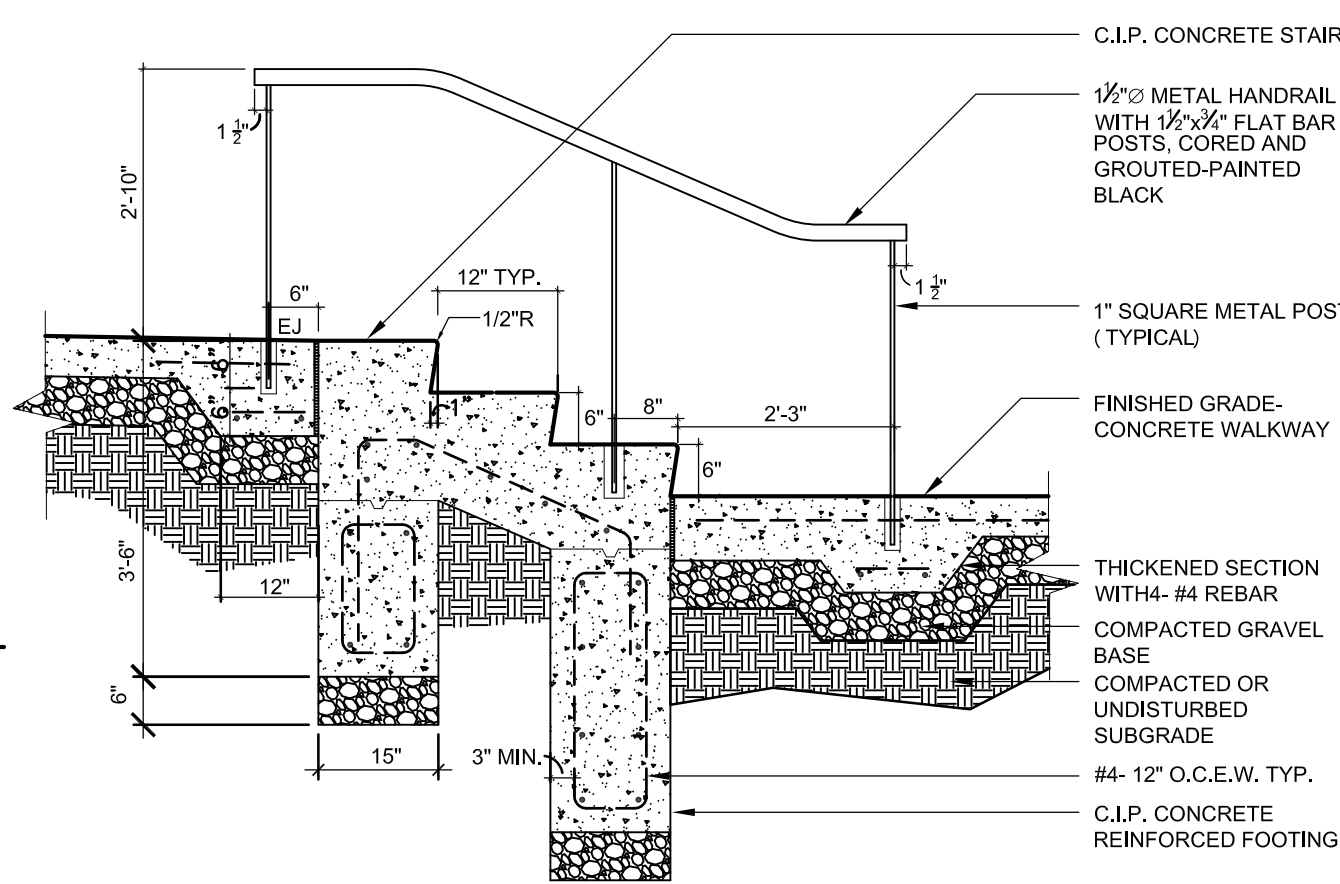
| | |
|--|----------|
| SCALE | AS NOTED |
| DRAWN BY | EFF |
| CHECK BY | |
| PROJ.ARCH/ENGR. | JCH |
| PROJ. MGR. | DFR |
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DETAILS III

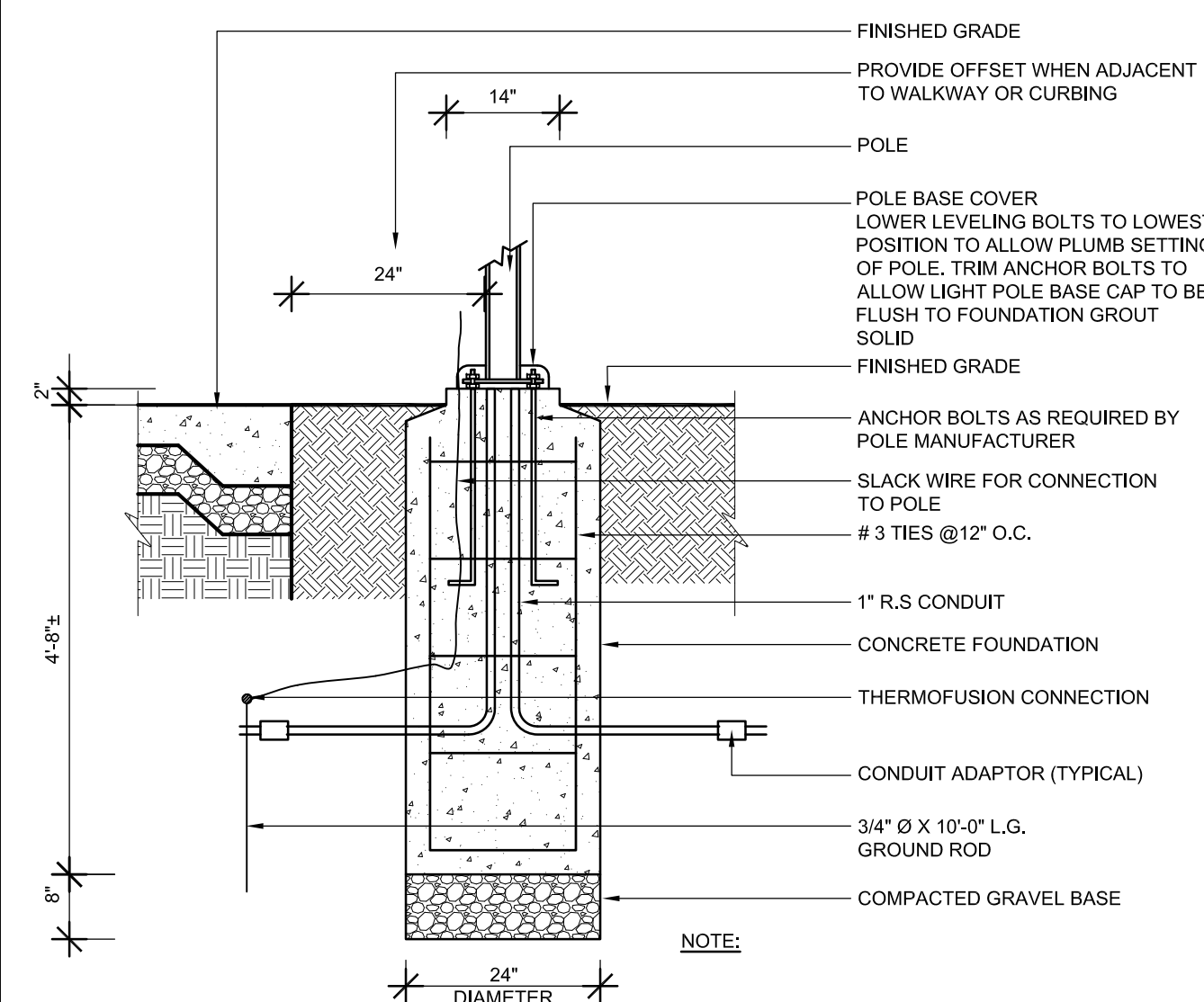
Monument Mountain Regional High School

600 Stockbridge Road
Great Barrington MA 01230

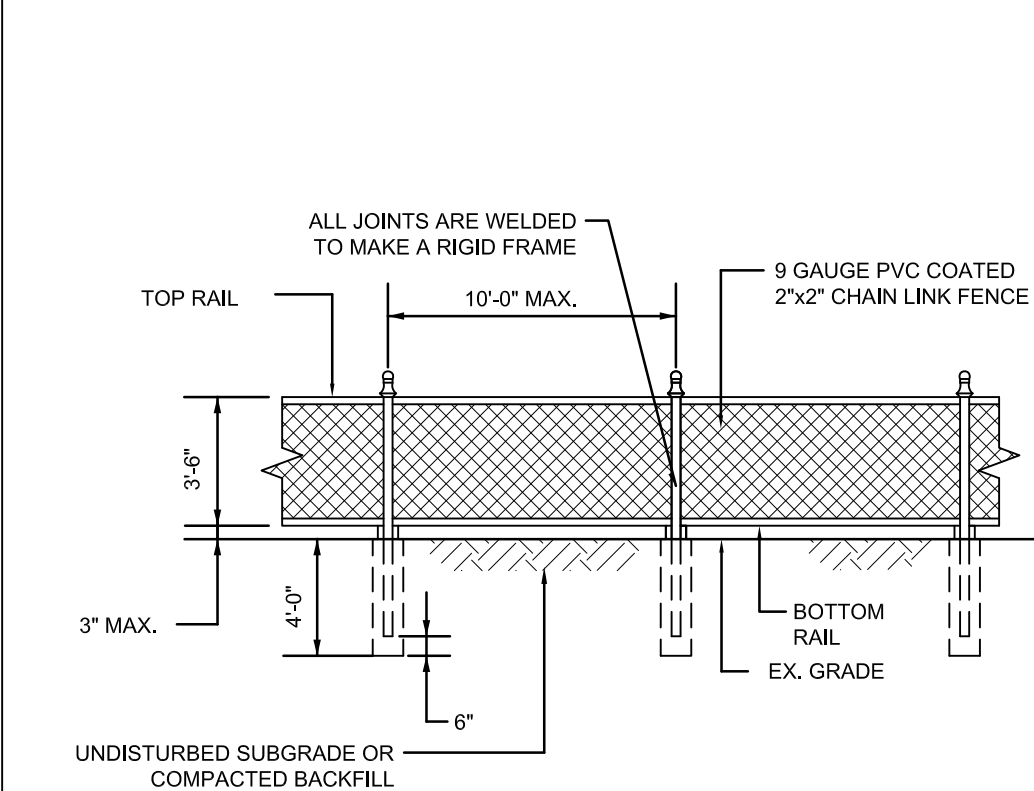
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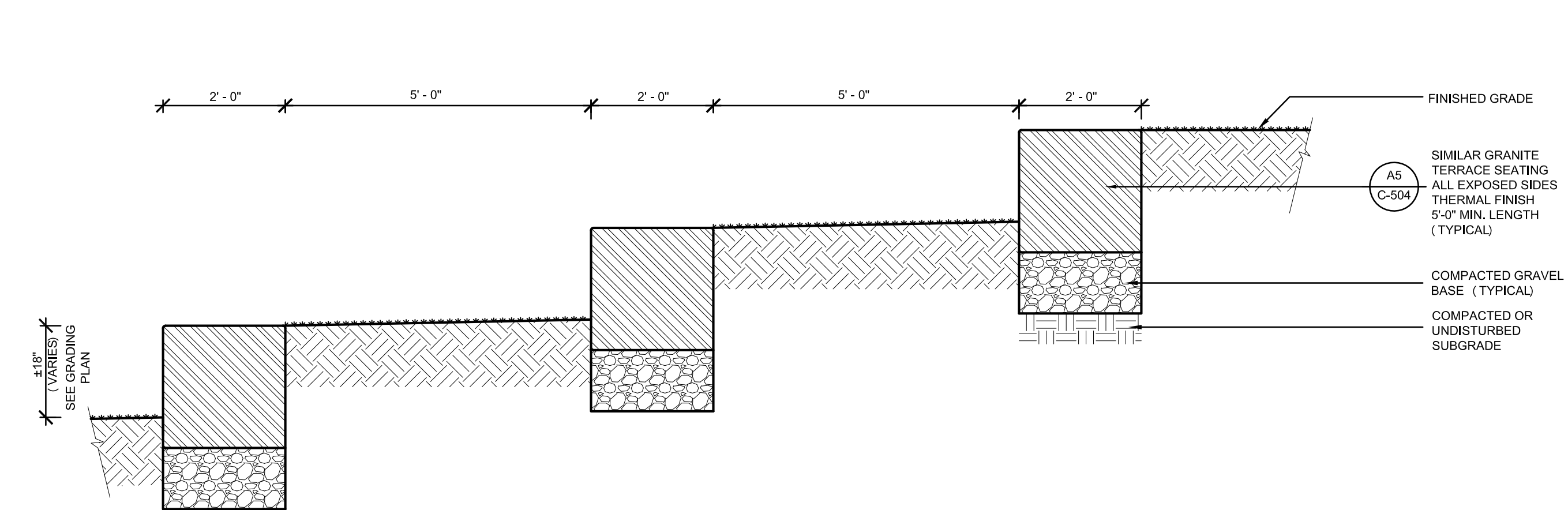
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N.T.S.



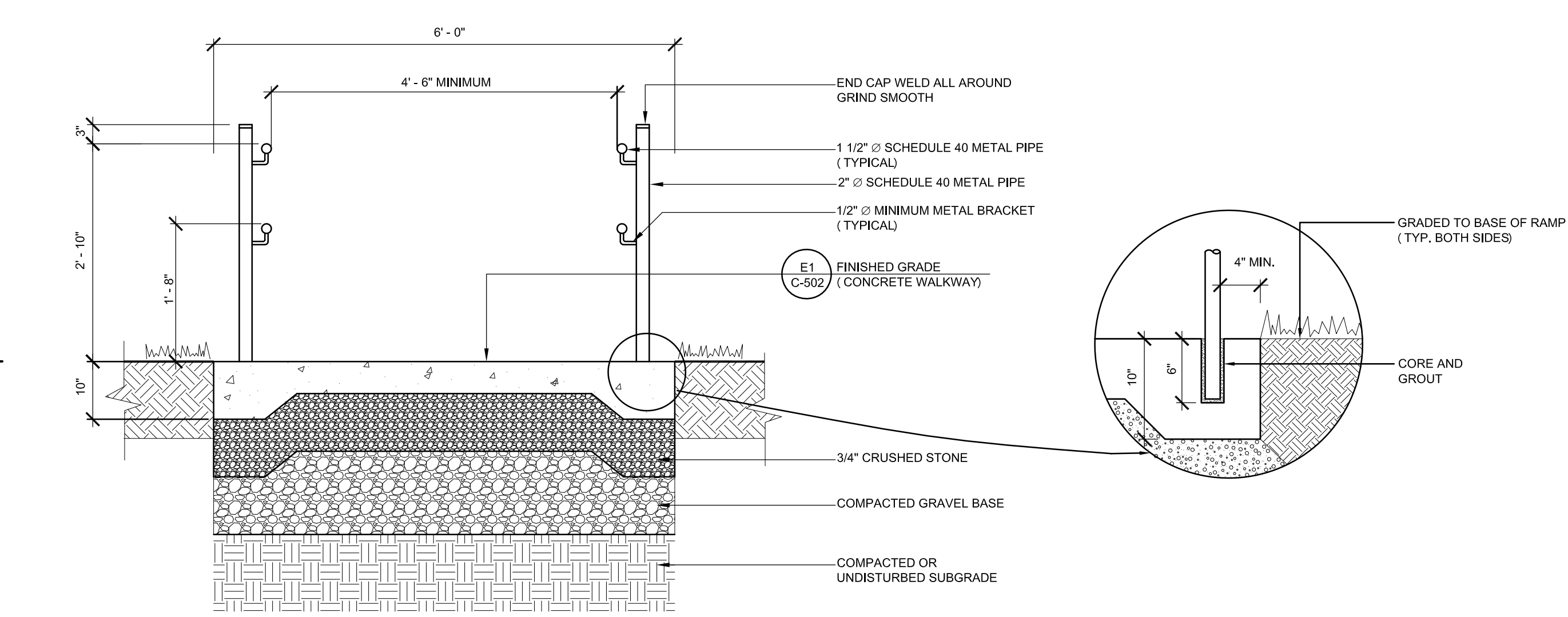
C3 LIGHTPOLE BASE
N.T.S.



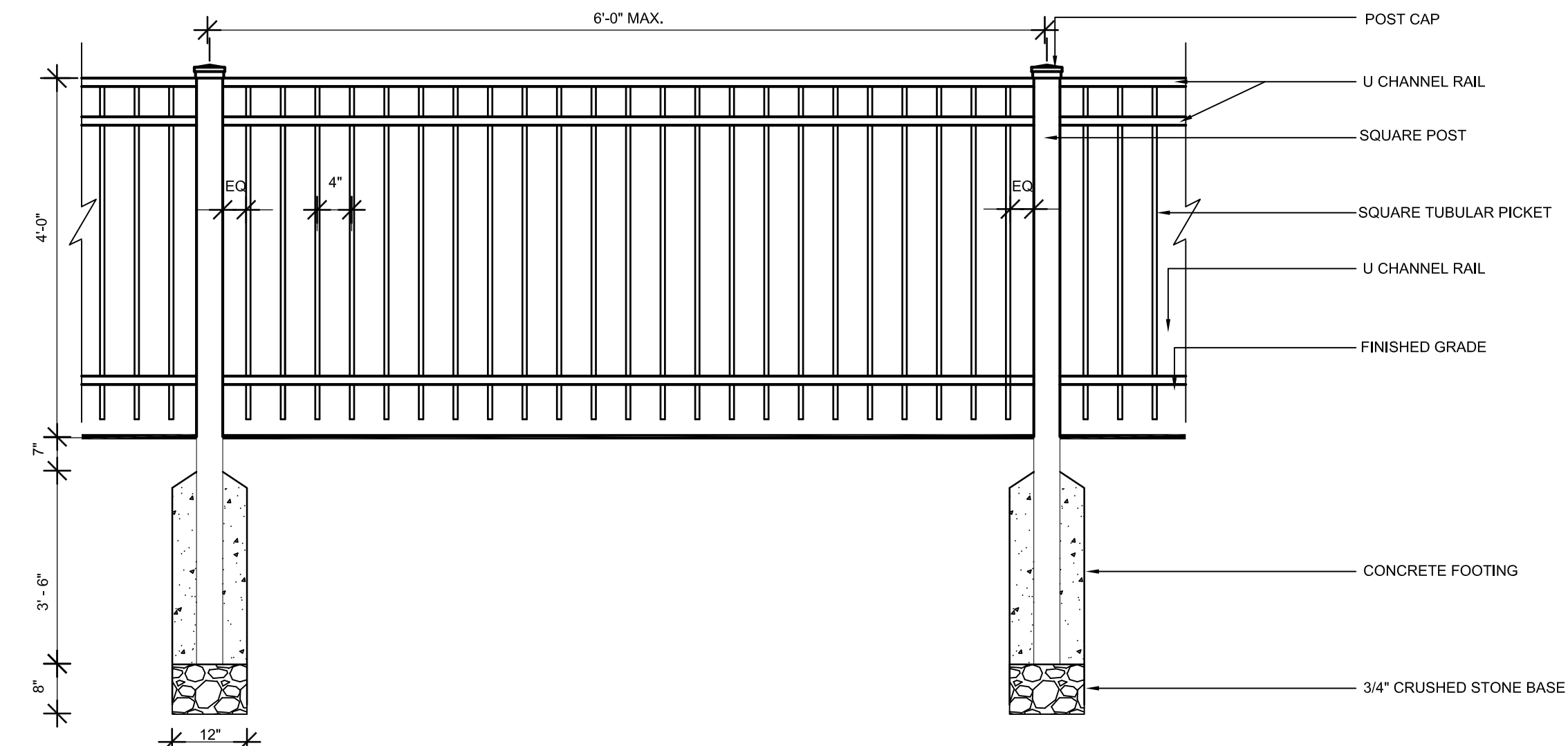
C5 CHAIN LINK FENCE
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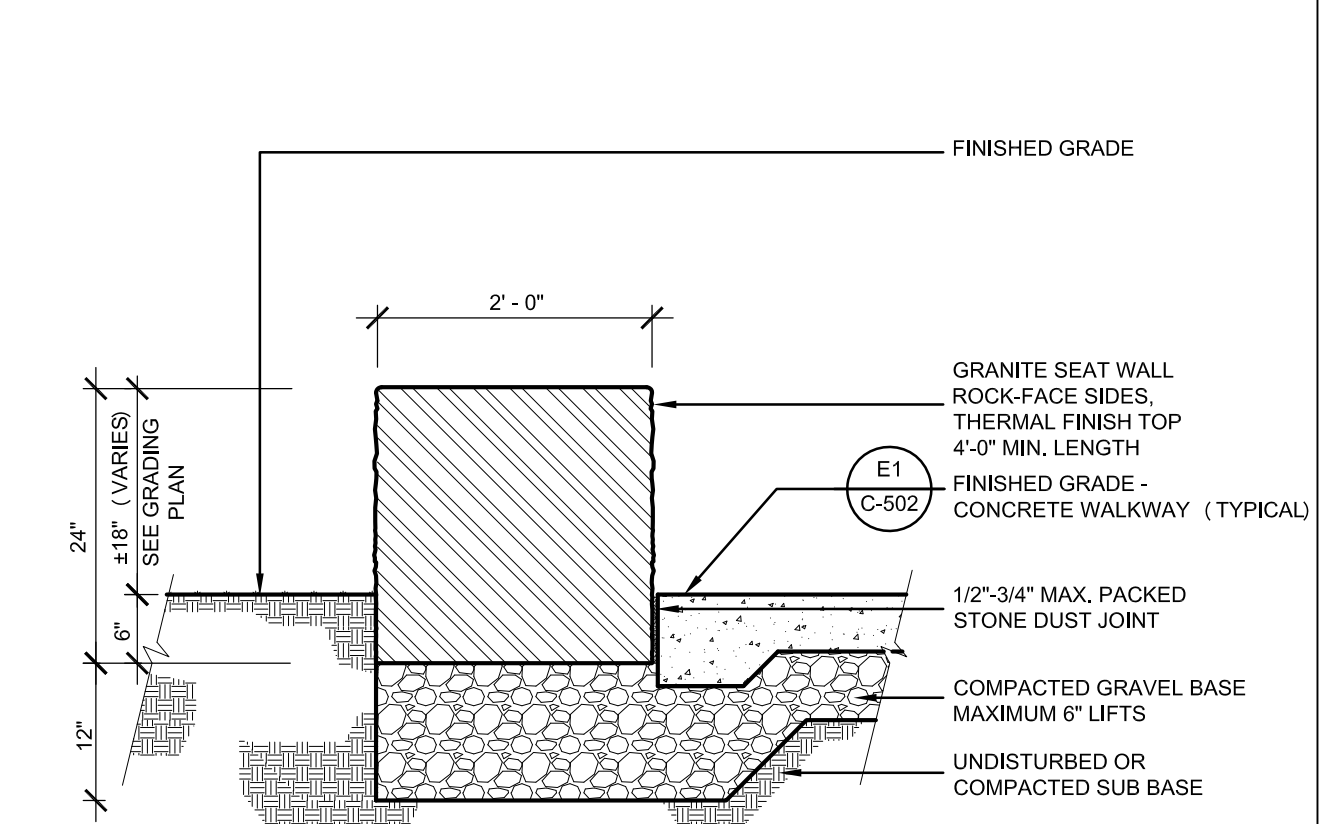
C7 TERRACE SEATING (ALTERNATE)
N.T.S.



A1 TYPICAL RAMP AND STAIR SECTION
N.T.S.



A5 ORNAMENTAL METAL FENCE
N.T.S.



A9 GRANITE SEAT WALL
N.T.S.

| NO. | DATE | DESCRIPTION |
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| 05/31/2013 | SCHEMATIC DESIGN |
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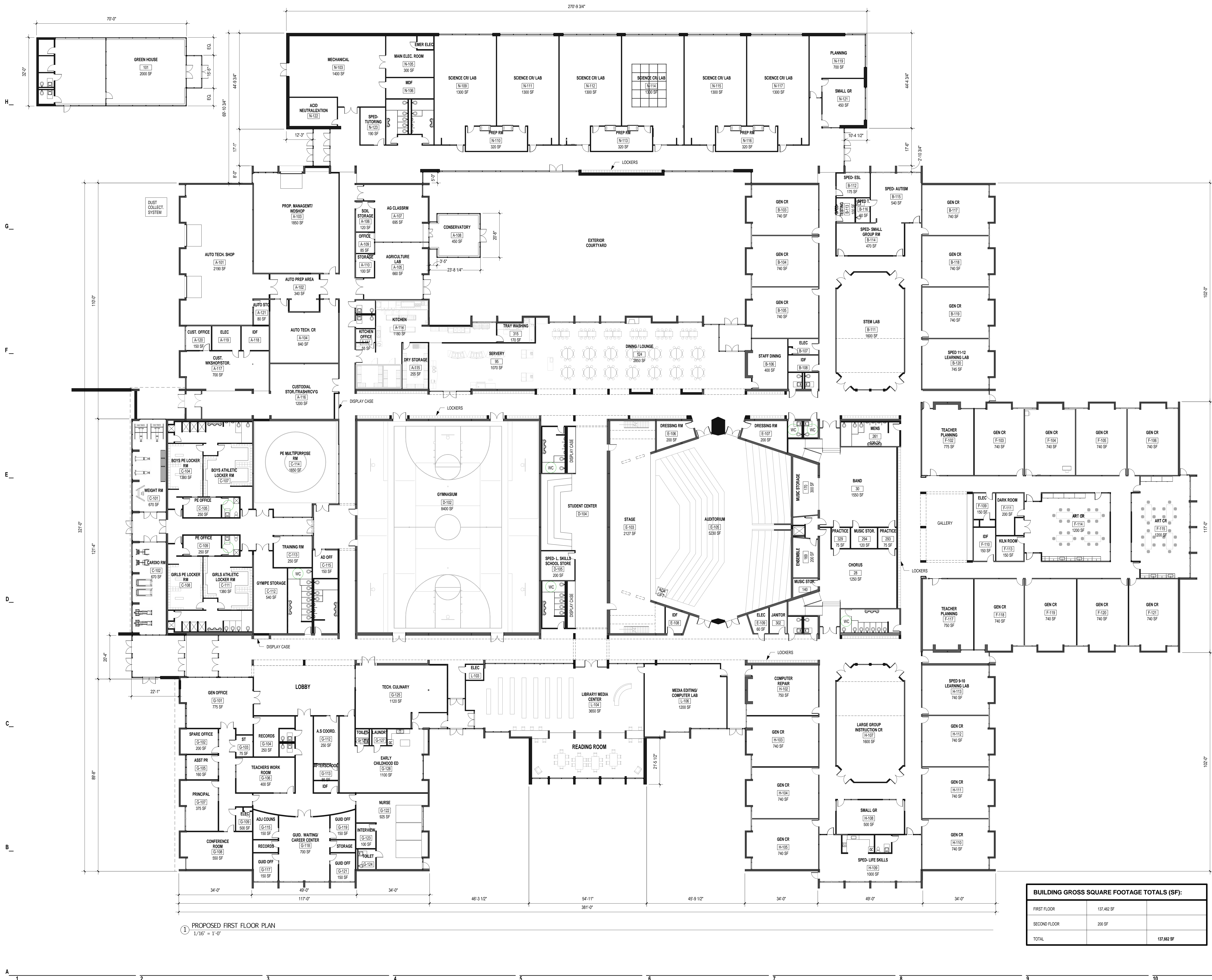
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| CHECK BY | |
| PROJECT ENGR. | JCH |
| PROJECT MGR. | DPR |
| JOB NO. | 12029.00 |
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DETAILS IV

C-504

STAMPS

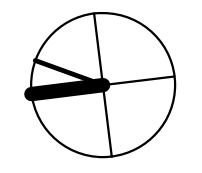
**Monument
 Mountain Regional
 High School**
 600 Stockbridge Road
 Great Barrington MA 01230

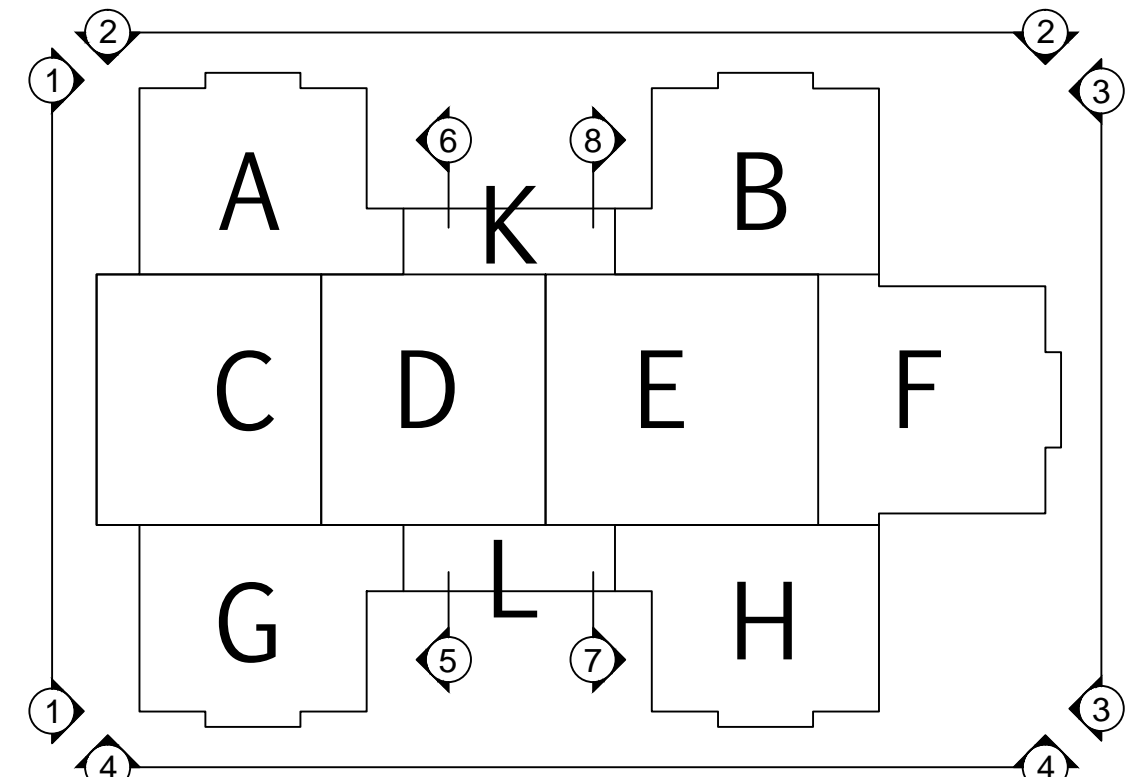
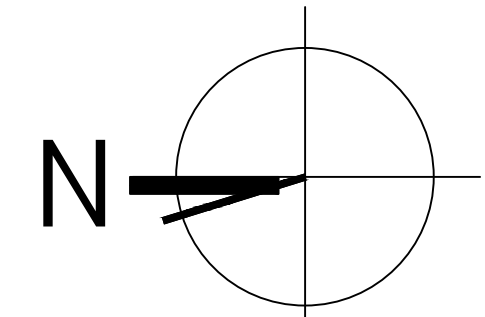
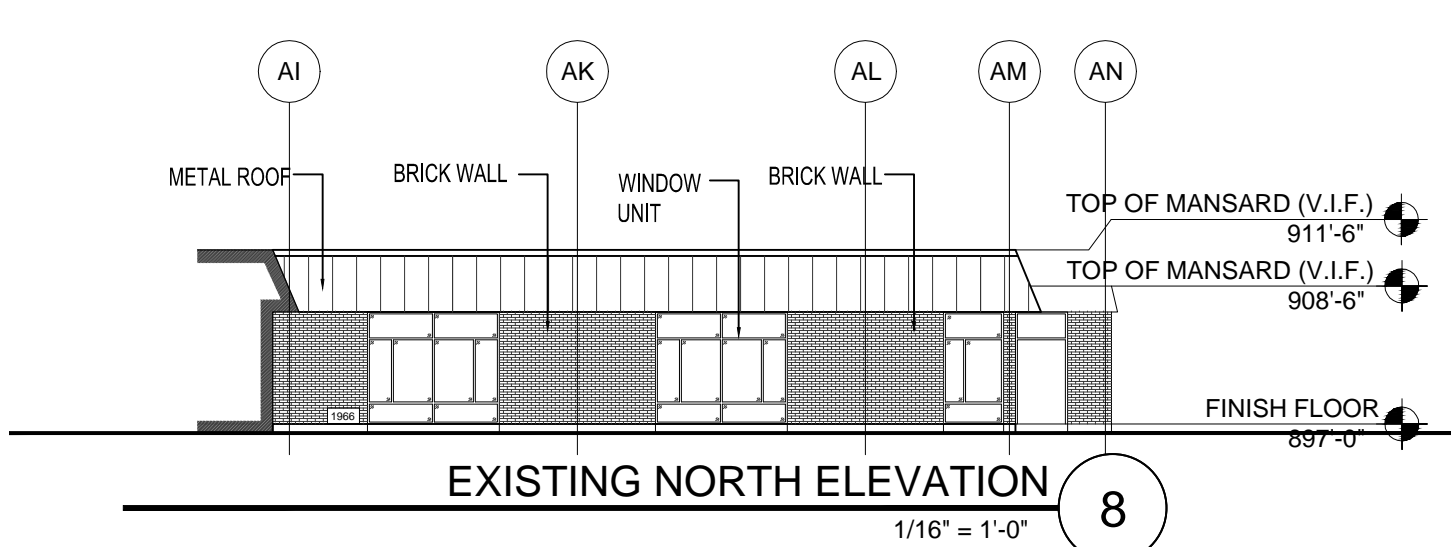
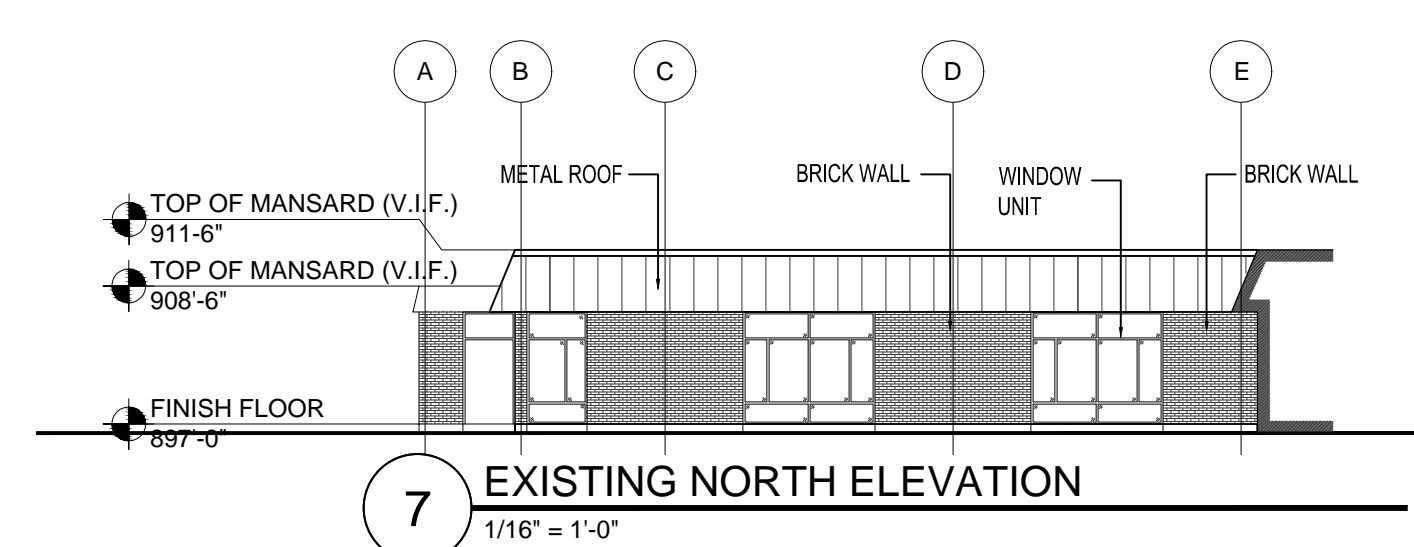
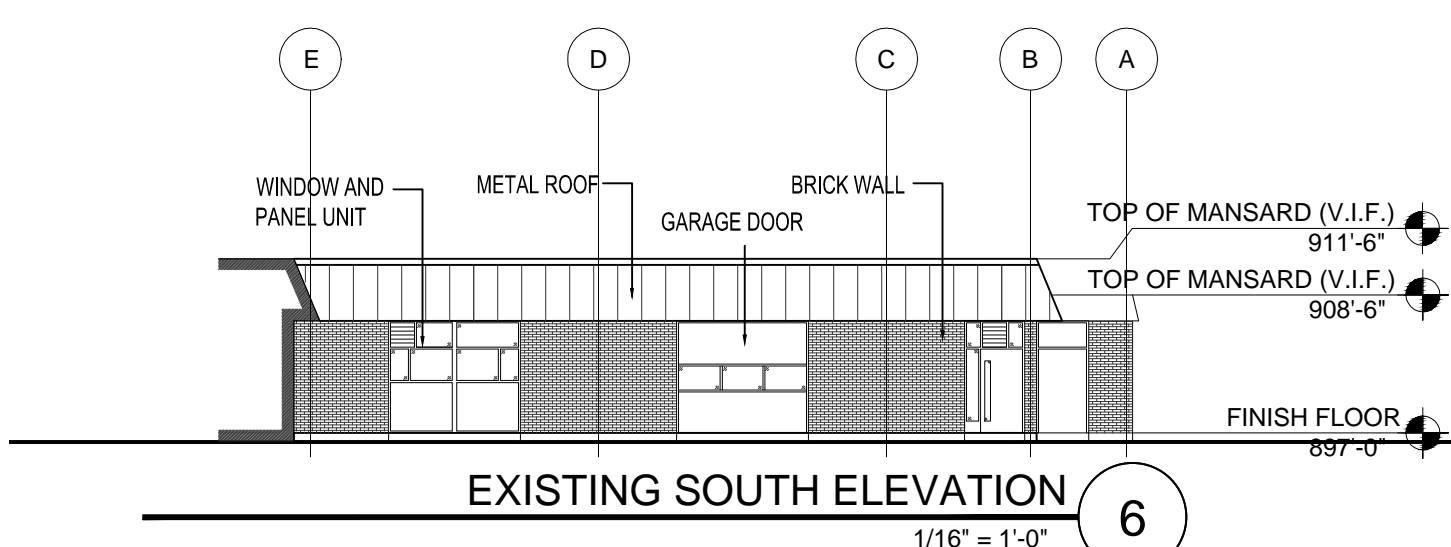
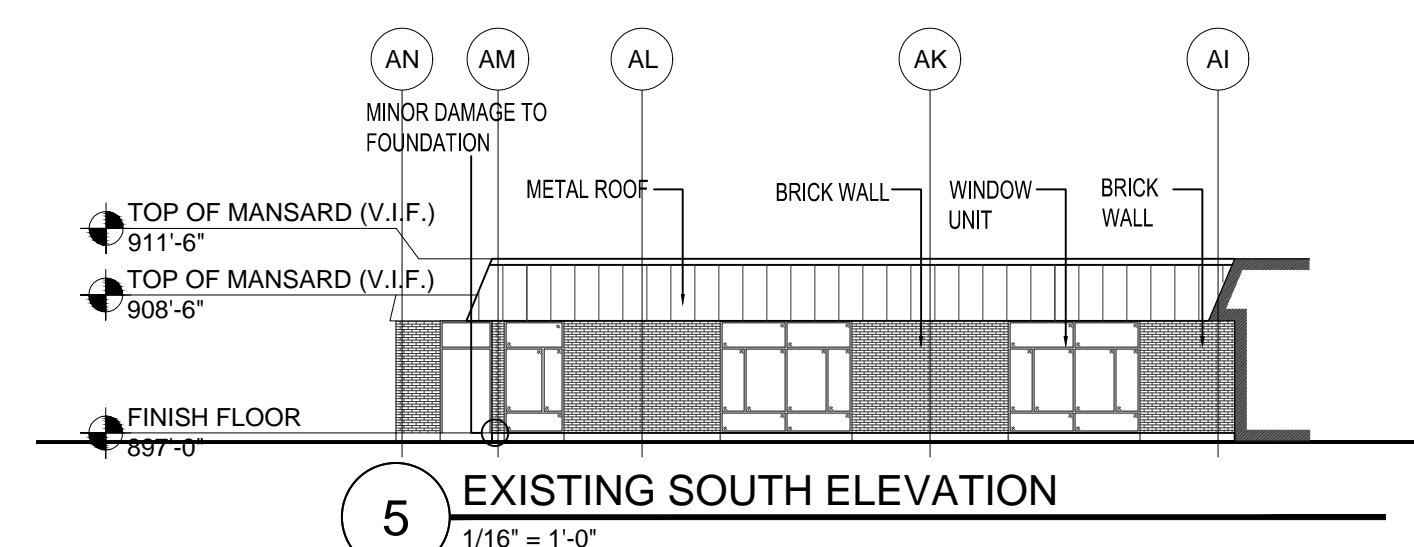
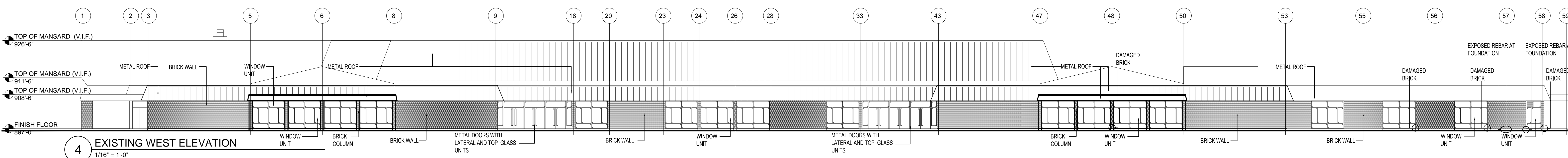
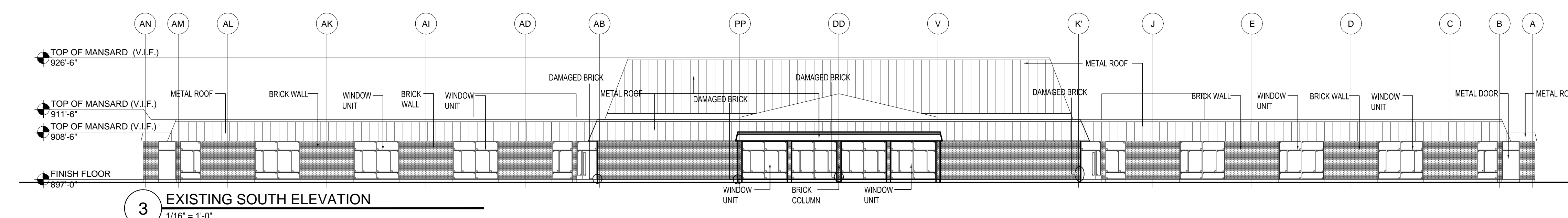
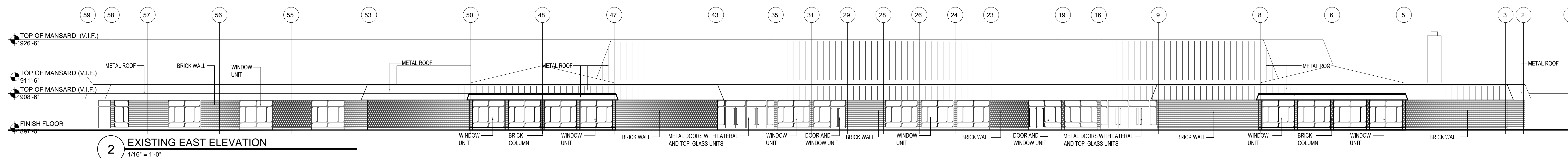
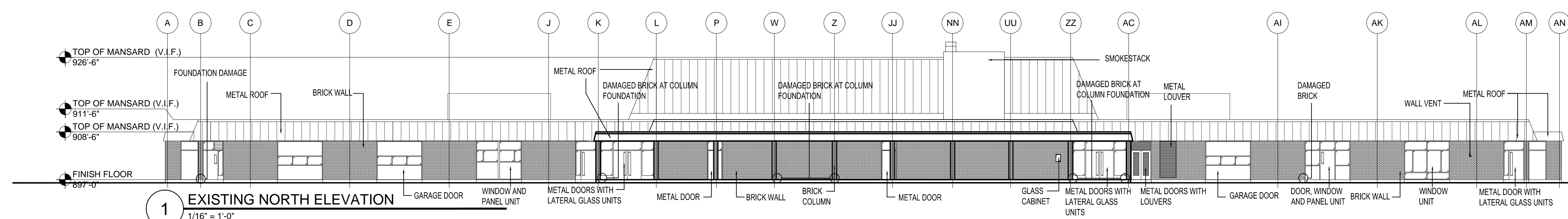


05/31/2013 SCHEMATIC DESIGN
 MARK DATE DESCRIPTION
 ISSUE LOG
 △ CLOUDED CHANGE

SCALE As indicated
 DRAWN BY JLS
 CHECK BY JLS
 PROJ ARCH/ENGR
 PROJ MGR
 JOB NO. 12029.00
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**PROPOSED FLOOR
 PLANS**





| | |
|---|------------------|
| DATE | DESCRIPTION |
| 03/28/2013 | SCHEMATIC DESIGN |
| MARK DATE | DESCRIPTION |
| ISSUE LOG | |
| △ | CLOUDED CHANGE |
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| DRAWN BY | |
| CHECK BY | |
| PROJ. ARCH. ENGR. | |
| PROJ. MGR. | |
| JOB NO. | |
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EXISTING EXTERIOR ELEVATIONS

STAMPS

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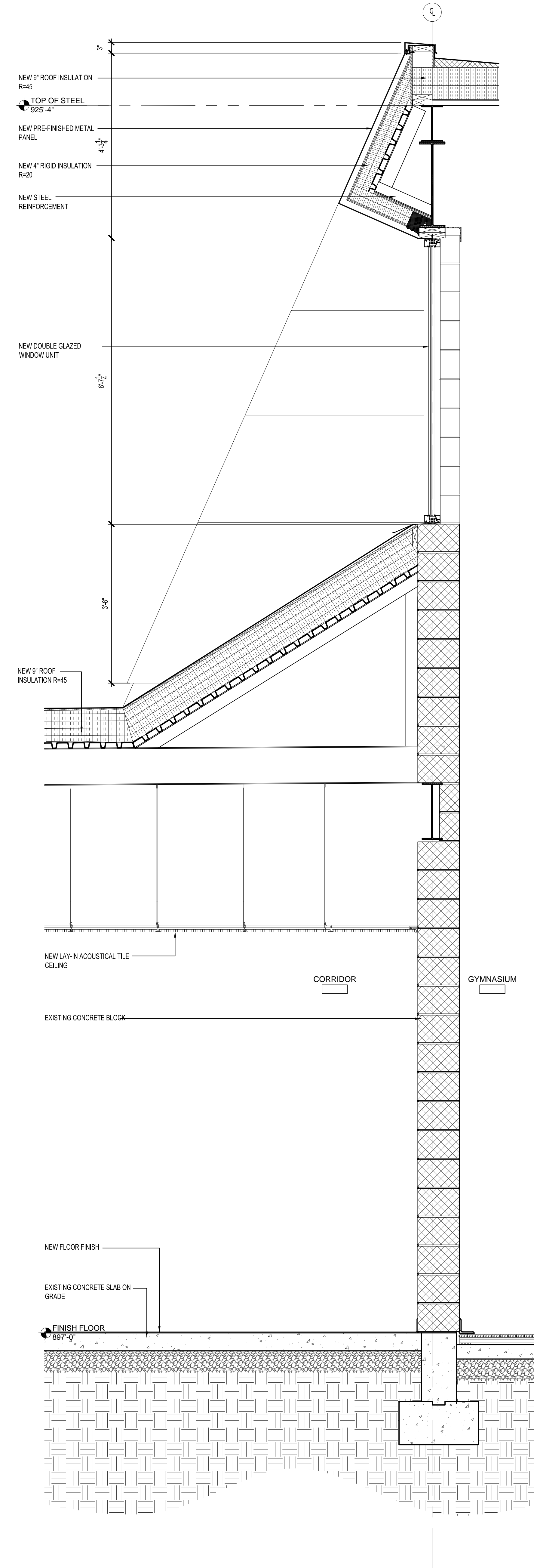
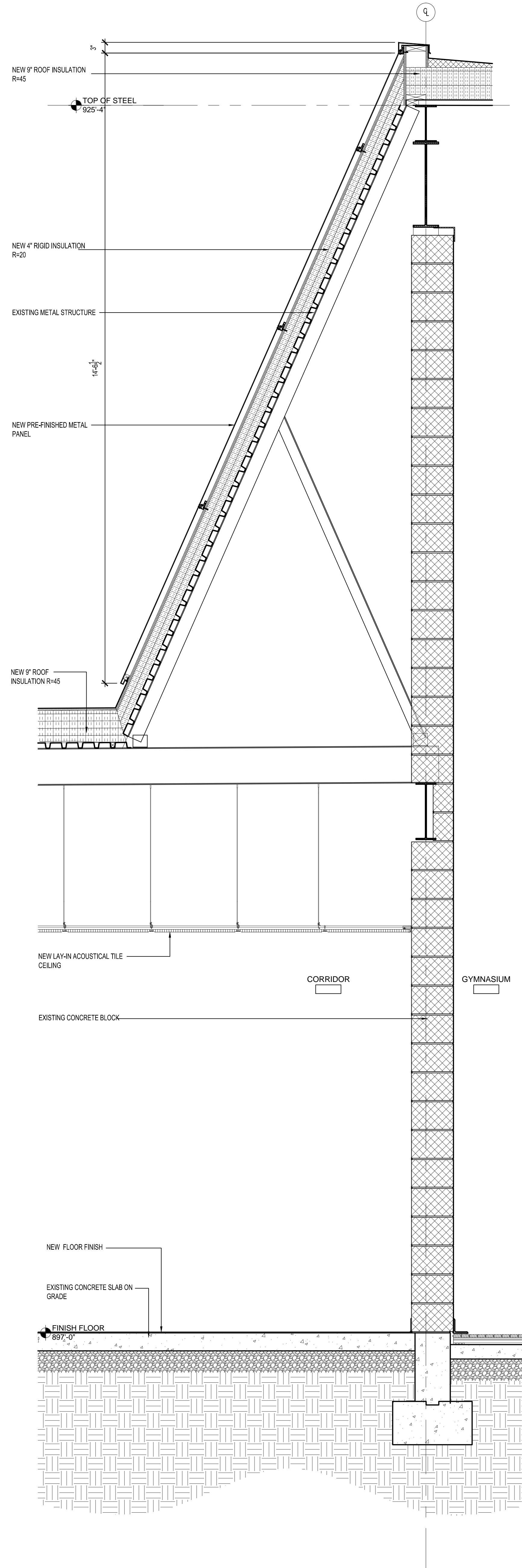
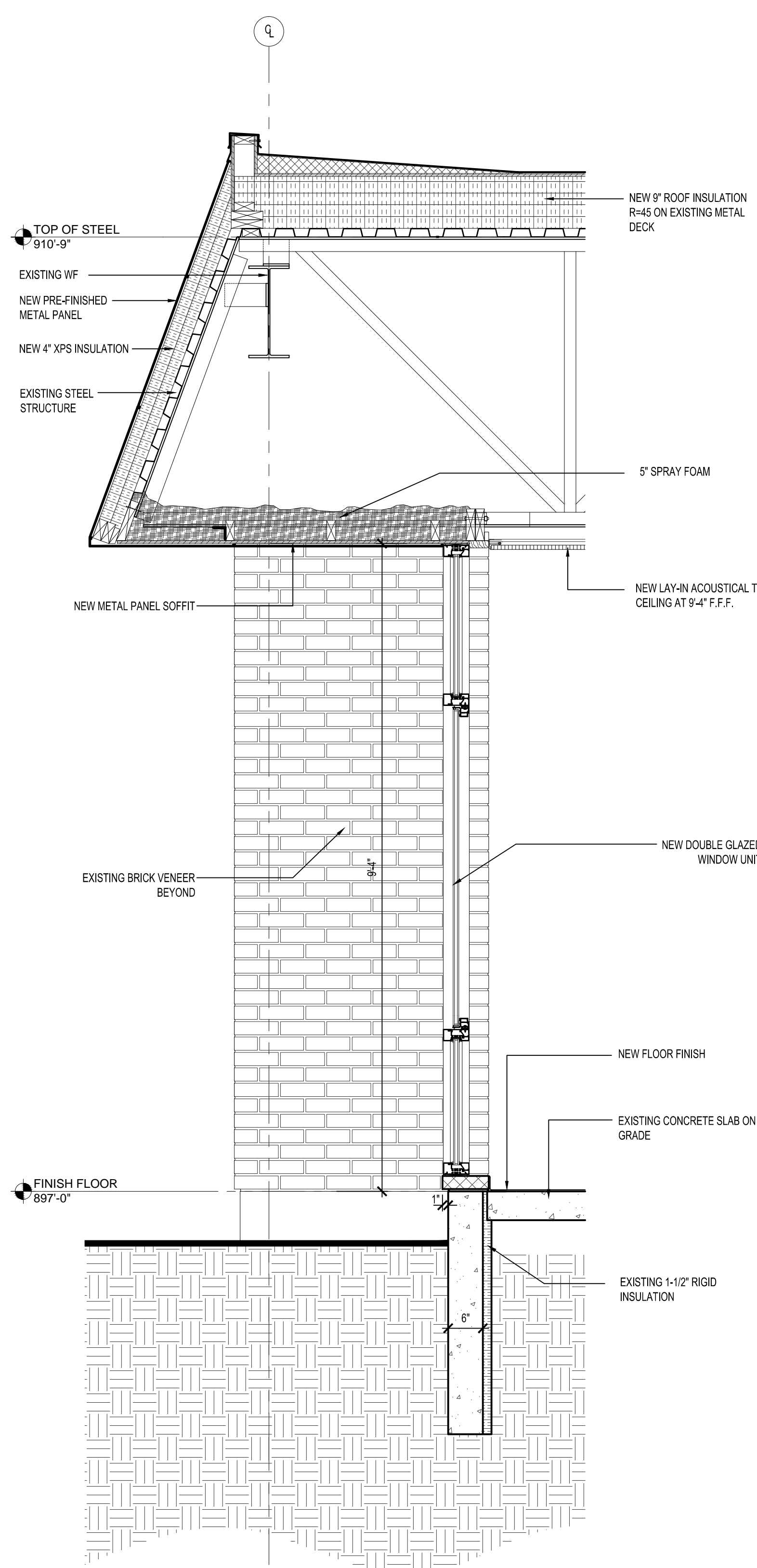
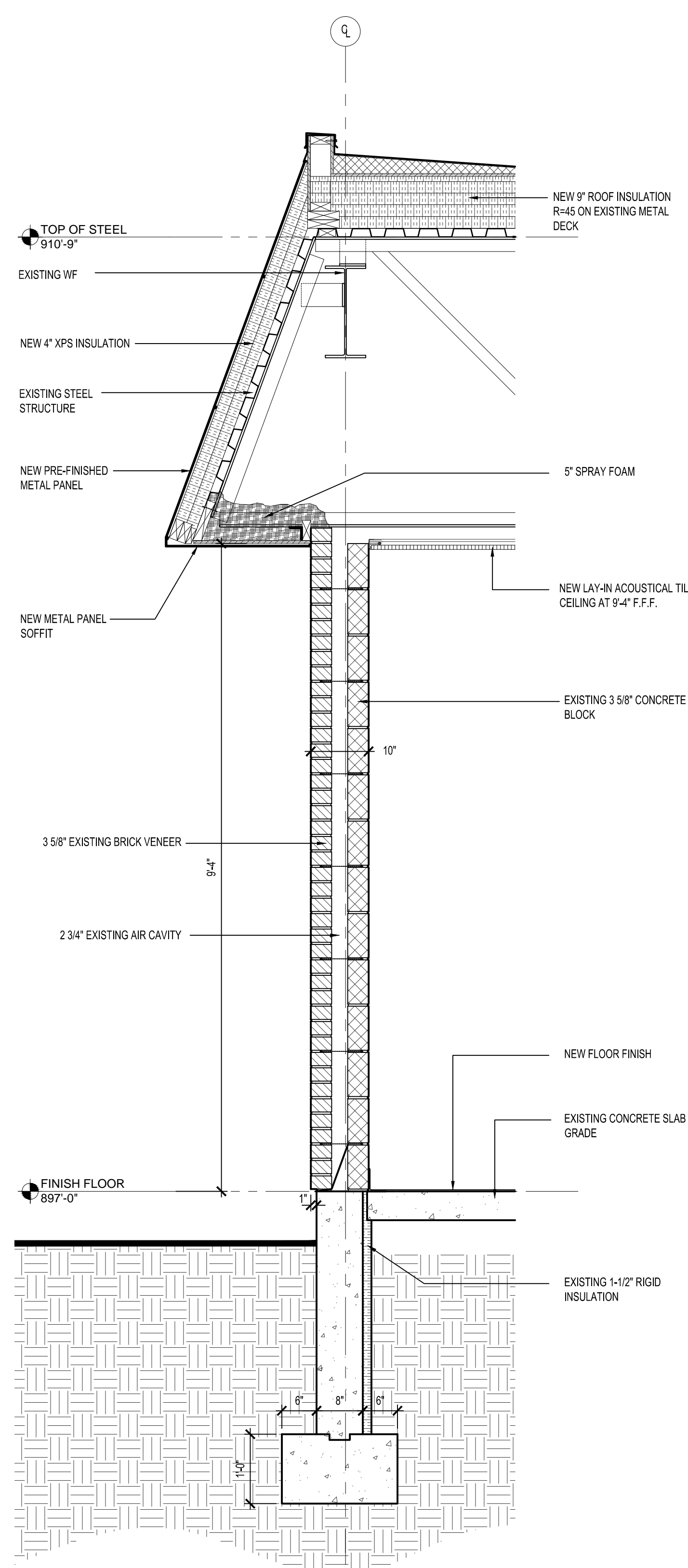
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A



1 PROPOSED WALL SECTION, TYP.
 3/4" = 1'-0"

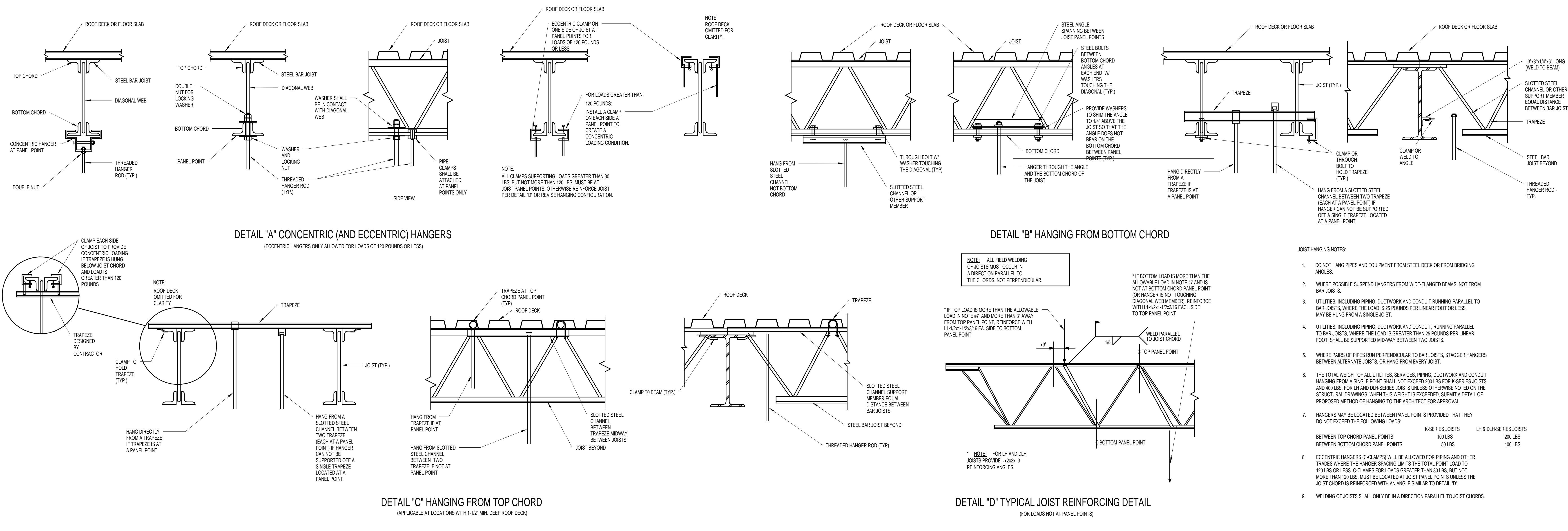
2 PROPOSED WALL SECTION @ WINDOW, TYP.
 3/4" = 1'-0"

3 PROPOSED WALL SECTION @ GYM, TYP.
 3/4" = 1'-0"

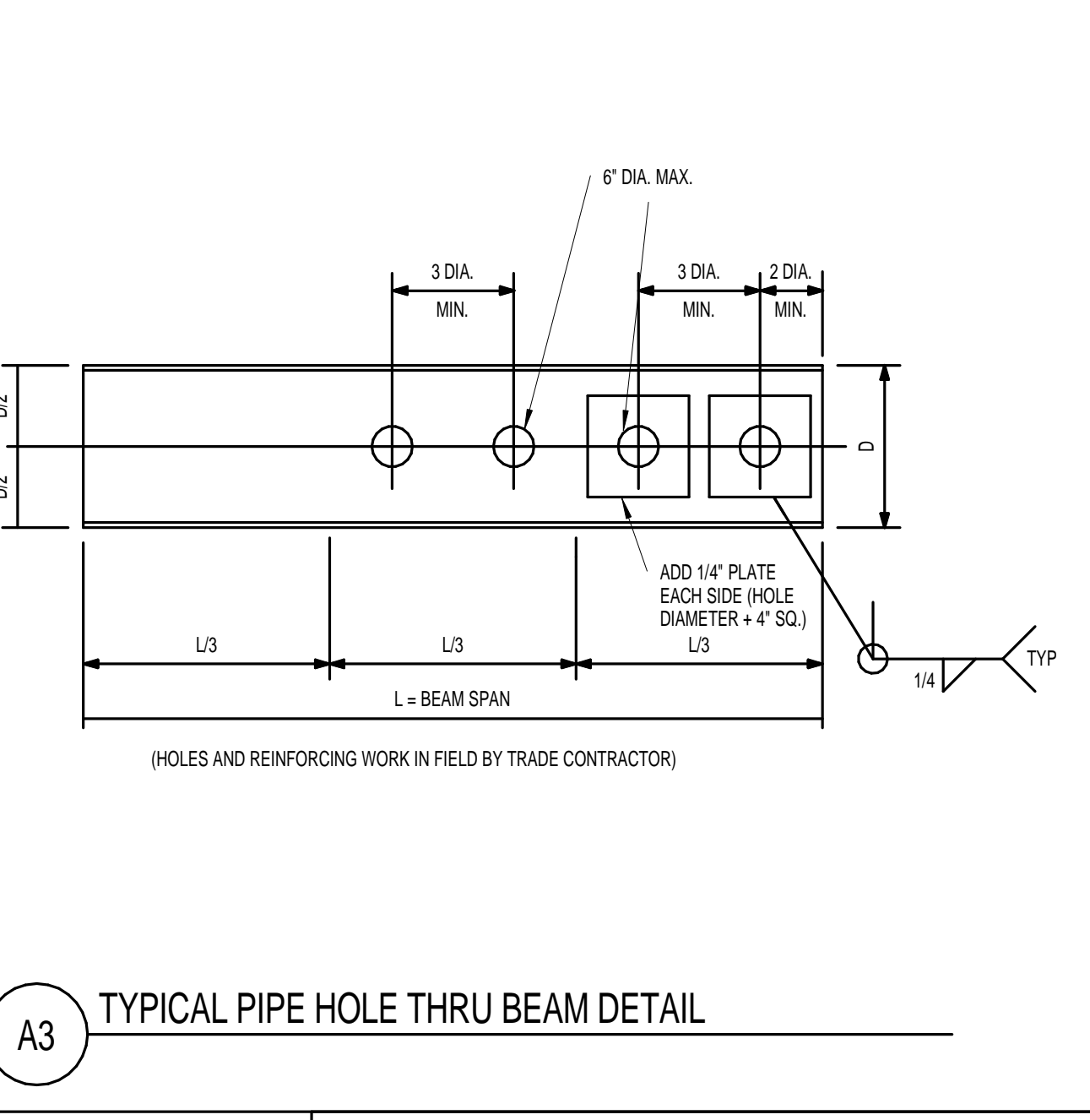
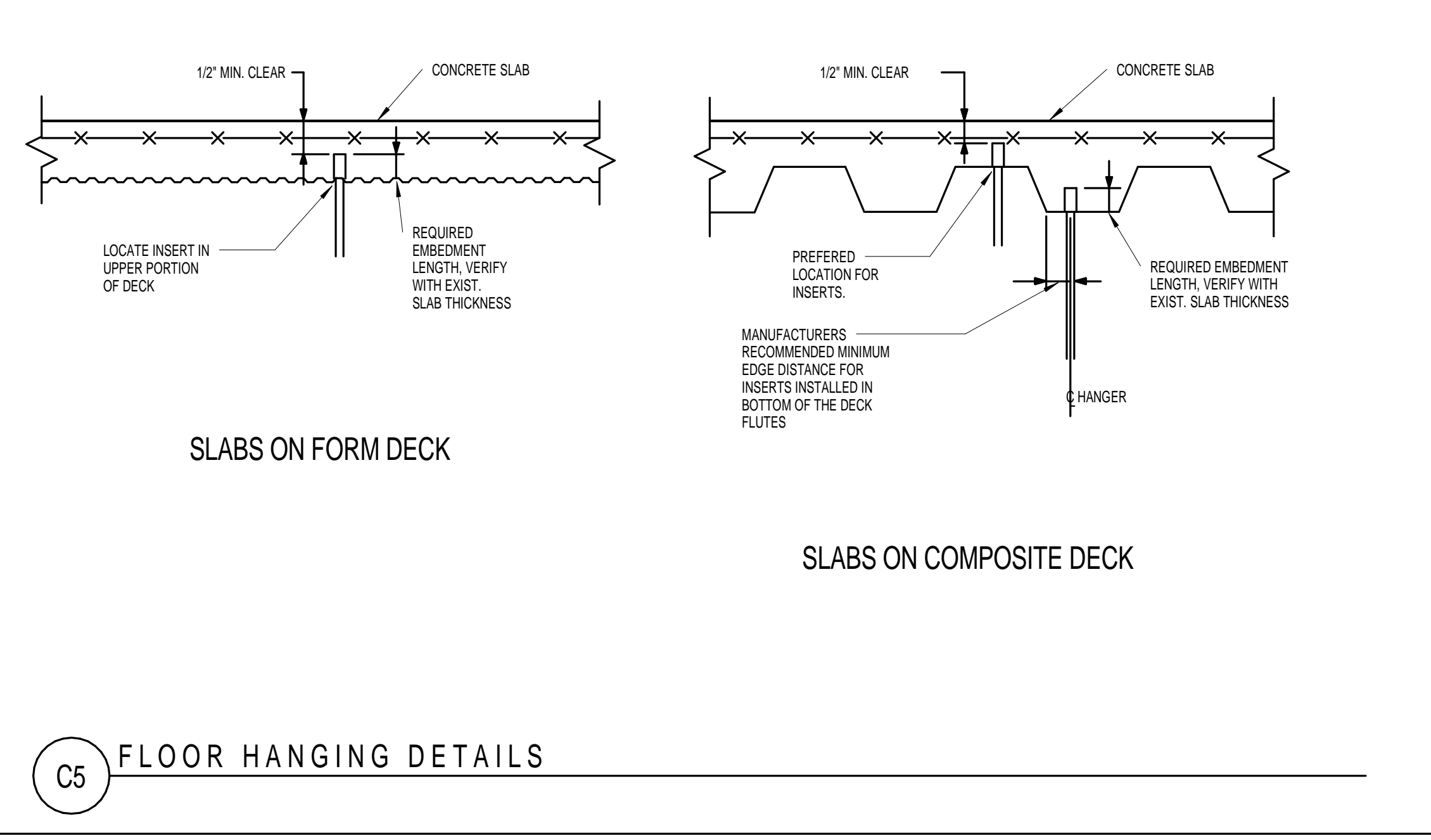
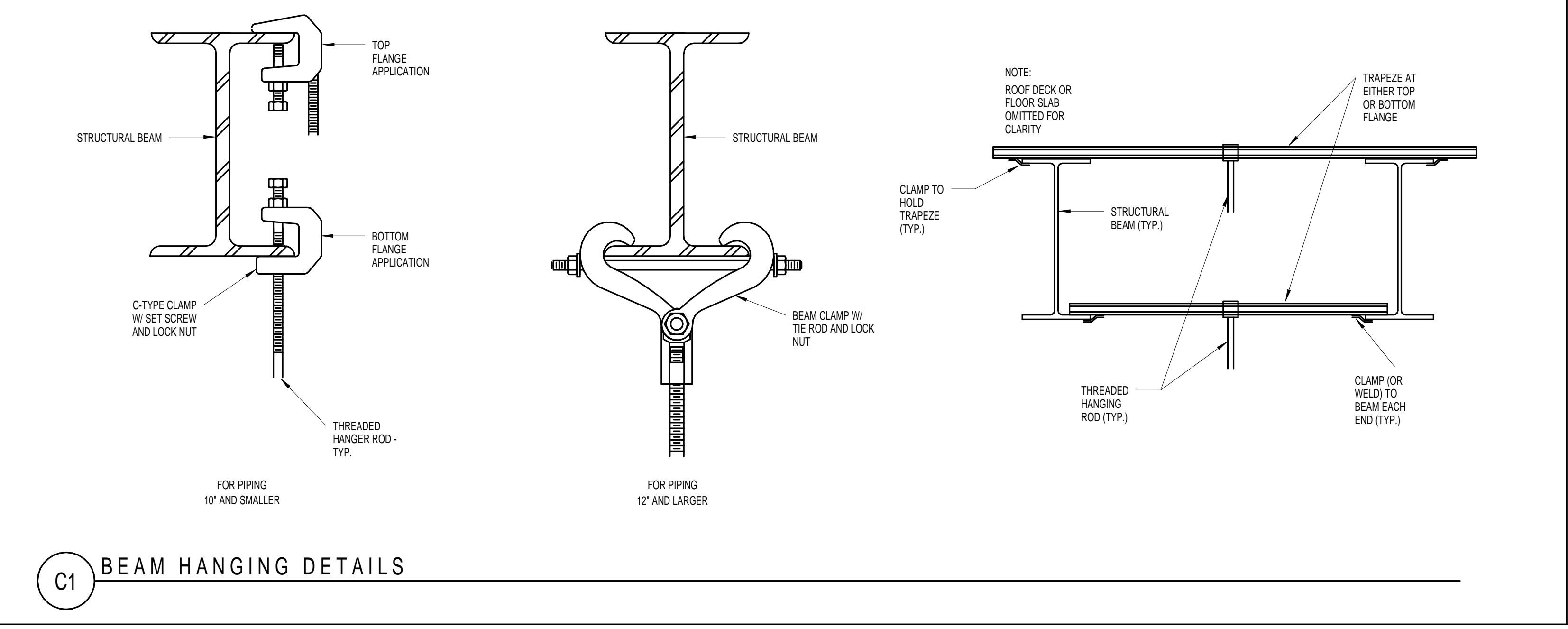
4 PROPOSED WALL SECTION @ GYM WINDOW
 3/4" = 1'-0"

| MARK | DATE | DESCRIPTION |
|------------|------|------------------|
| 03/28/2013 | | SCHEMATIC DESIGN |
| | | ISSUE LOG |
| | | △ CLOUDED CHANGE |

PROPOSED WALL SECTIONS



E1 JOIST HANGING DETAILS



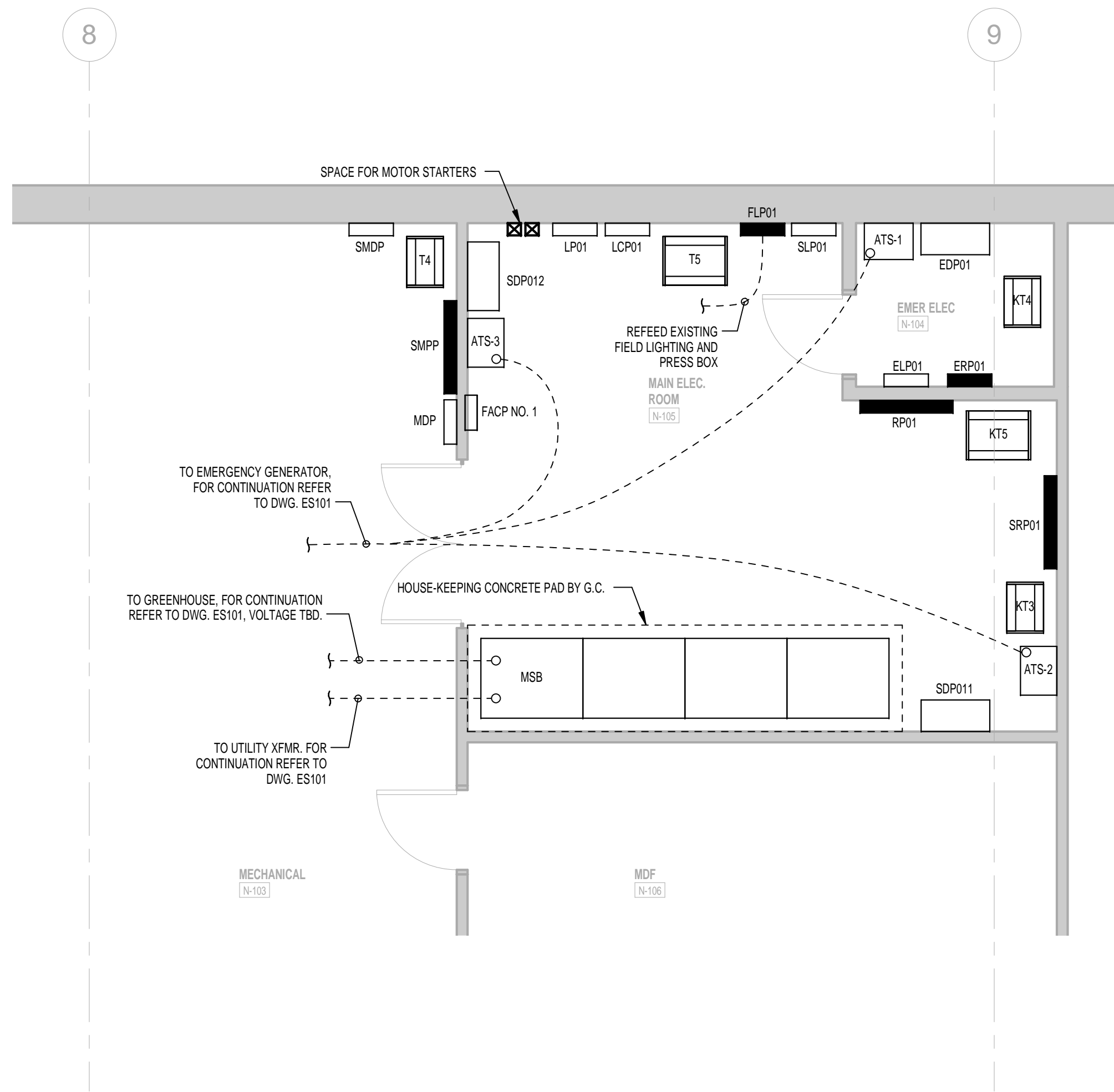
GENERAL NOTES

- COORDINATE HANGING LOCATIONS AND DETAILS WITH OTHER TRADES. ATTEND A PRE-INSTALLATION CONFERENCE WITH GENERAL CONTRACTOR, THE ARCHITECT, AND OTHER TRADES TO REVIEW HANGING METHODS AND COORDINATE HANGING LOCATIONS.
- DO NOT HANG FROM ROOF DECK.
- SUBMIT ALTERNATE METHODS FOR HANGING TO ARCHITECT FOR REVIEW AND DO NOT USE WITHOUT WRITTEN APPROVAL FROM ARCHITECT.
- SEE SPECIFICATIONS FOR SEISMIC BRACING REQUIREMENTS.

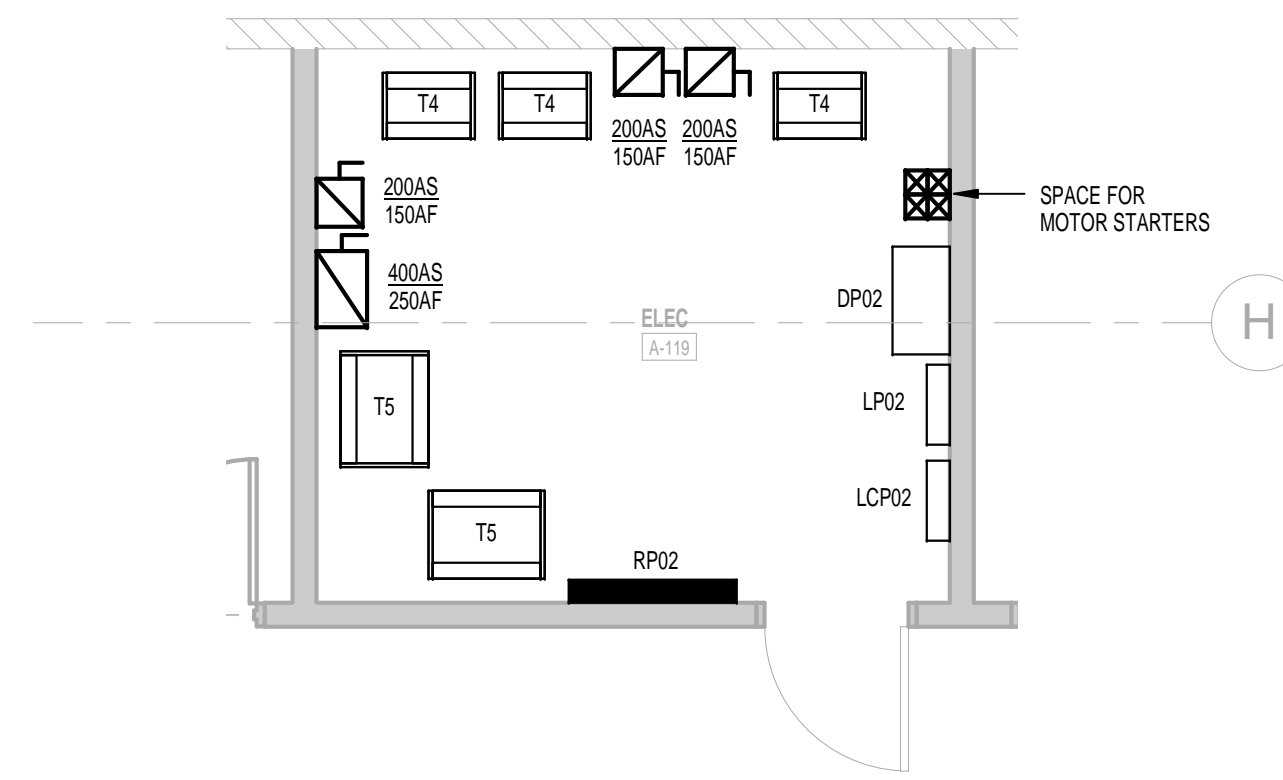
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| MARK: | 3-28-2013 | SCHEMATIC DESIGN |
| DATE: | | |
| ISSUE LOG: | | |
| ISSUE NO. | | DESCRIPTION |
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|---|----------|
| SCALE: | NTS |
| DRAWN BY: | ADC |
| CHECK BY: | MJC |
| PROJ. ARCH/ENGR: | |
| PROJ. MGR: | |
| JOB NO.: | 12029.00 |
| © SYMMES, MAINI & McKEE ASSOCIATES, INC. 2012 | |

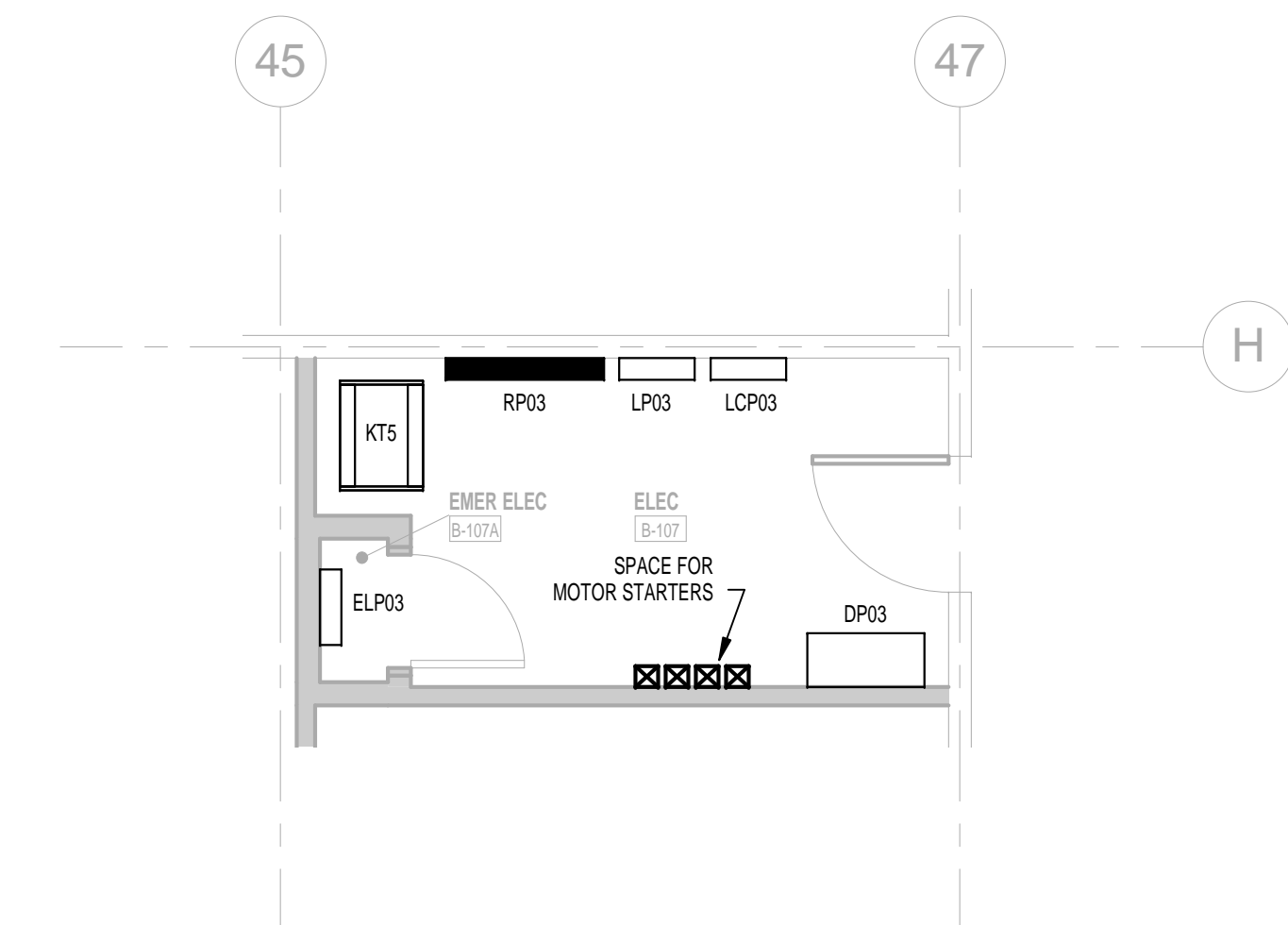
DETAILS



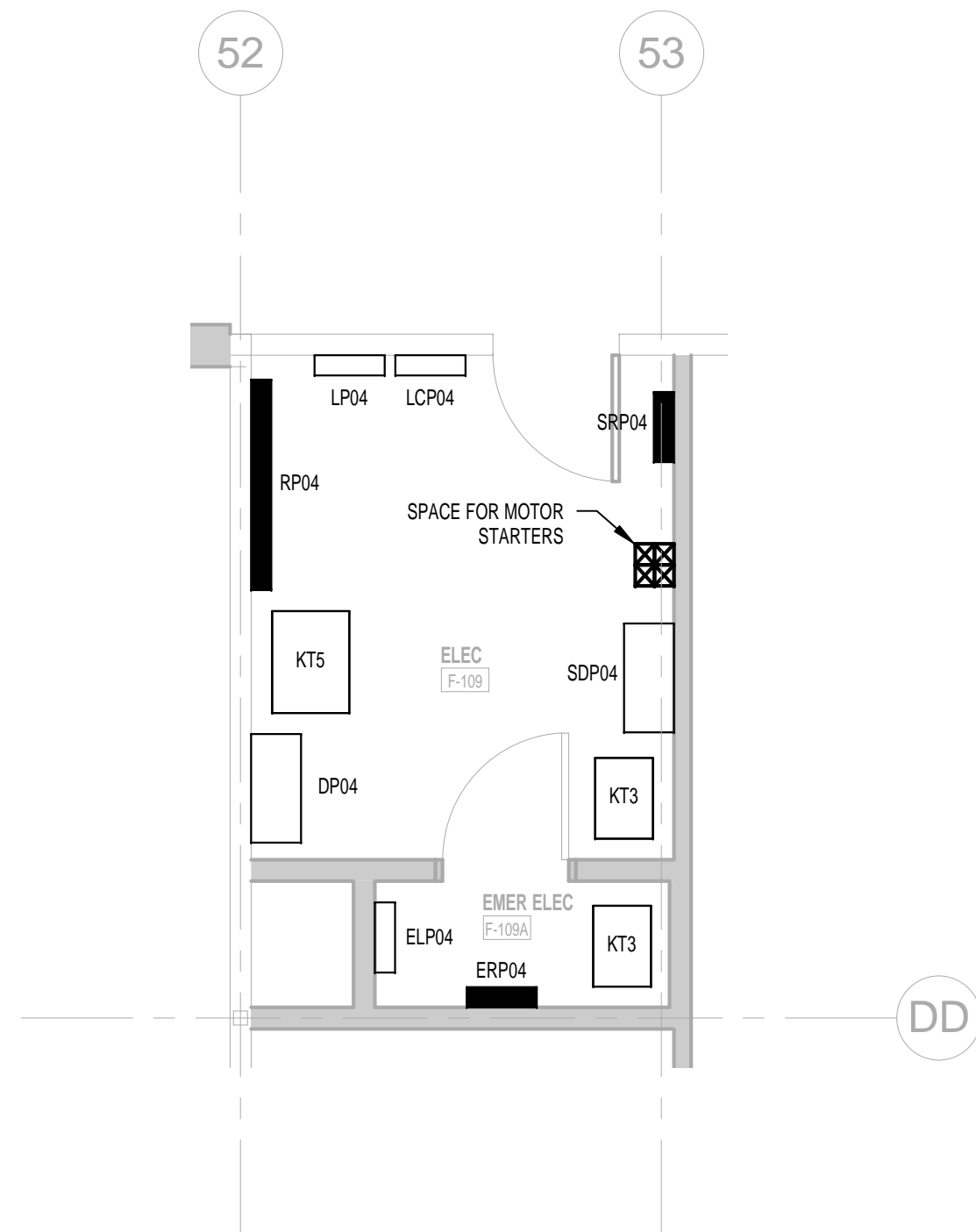
E2 MAIN ELEC. RM. N-105
 SCALE: 1/4" = 1'-0"



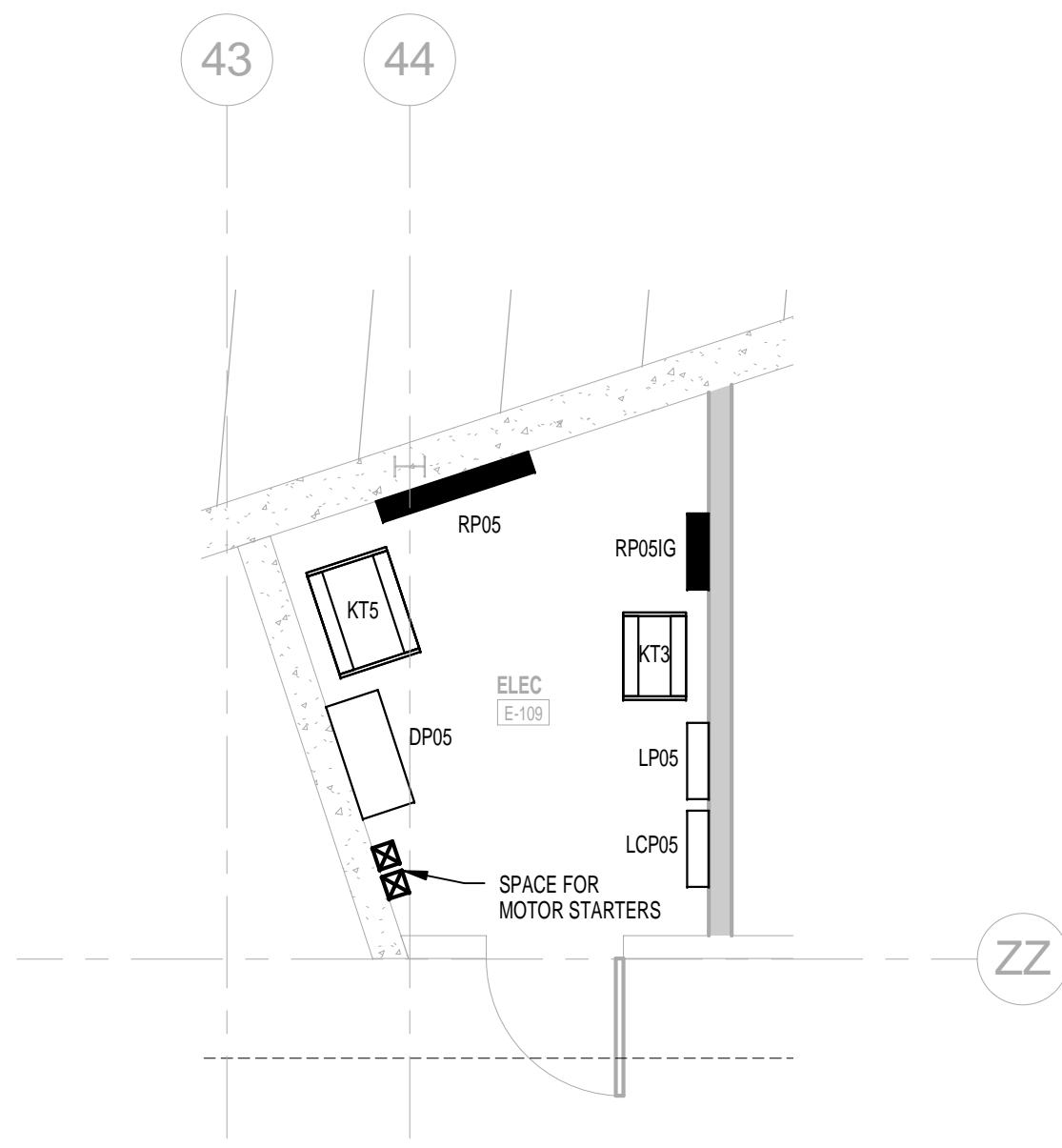
E6 ELEC A-119
 SCALE: 1/4" = 1'-0"



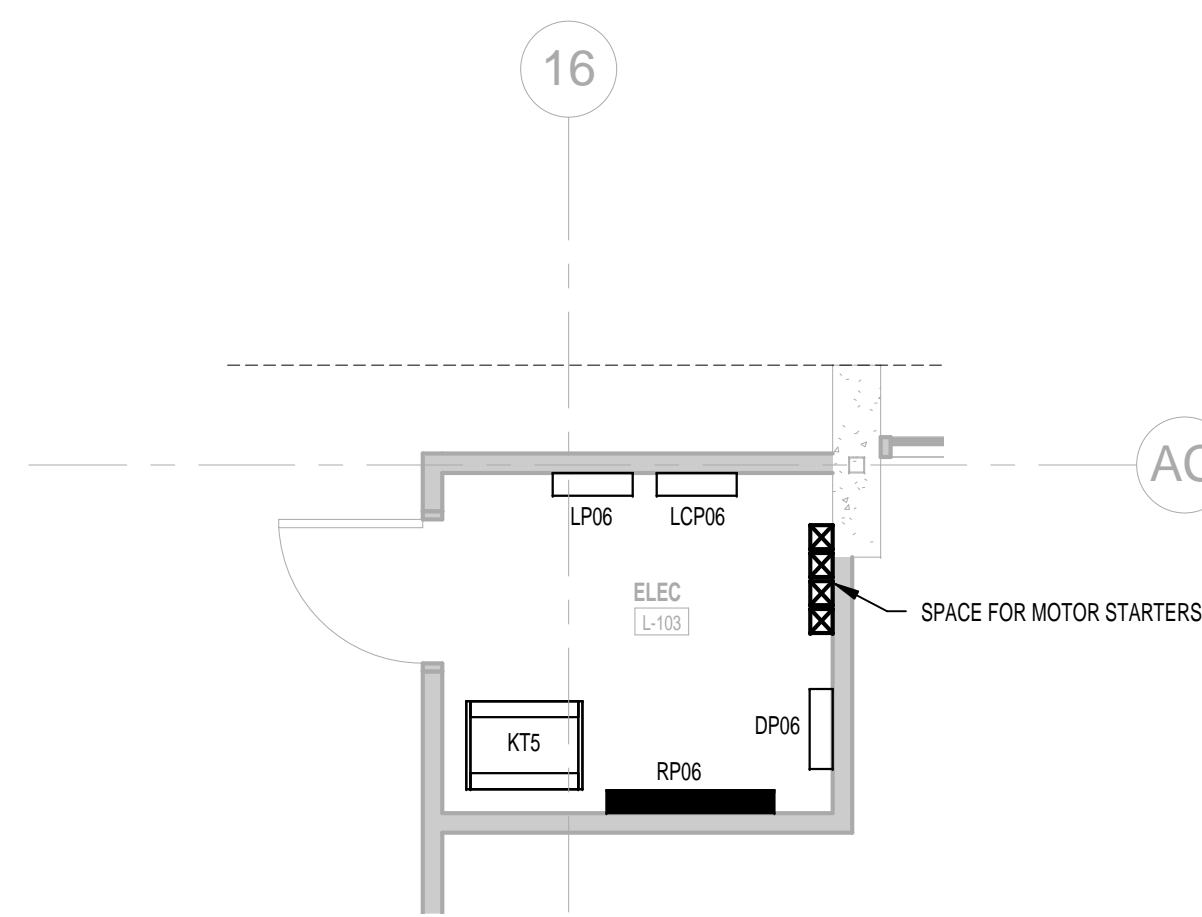
E8 ELEC B-107
 SCALE: 1/4" = 1'-0"



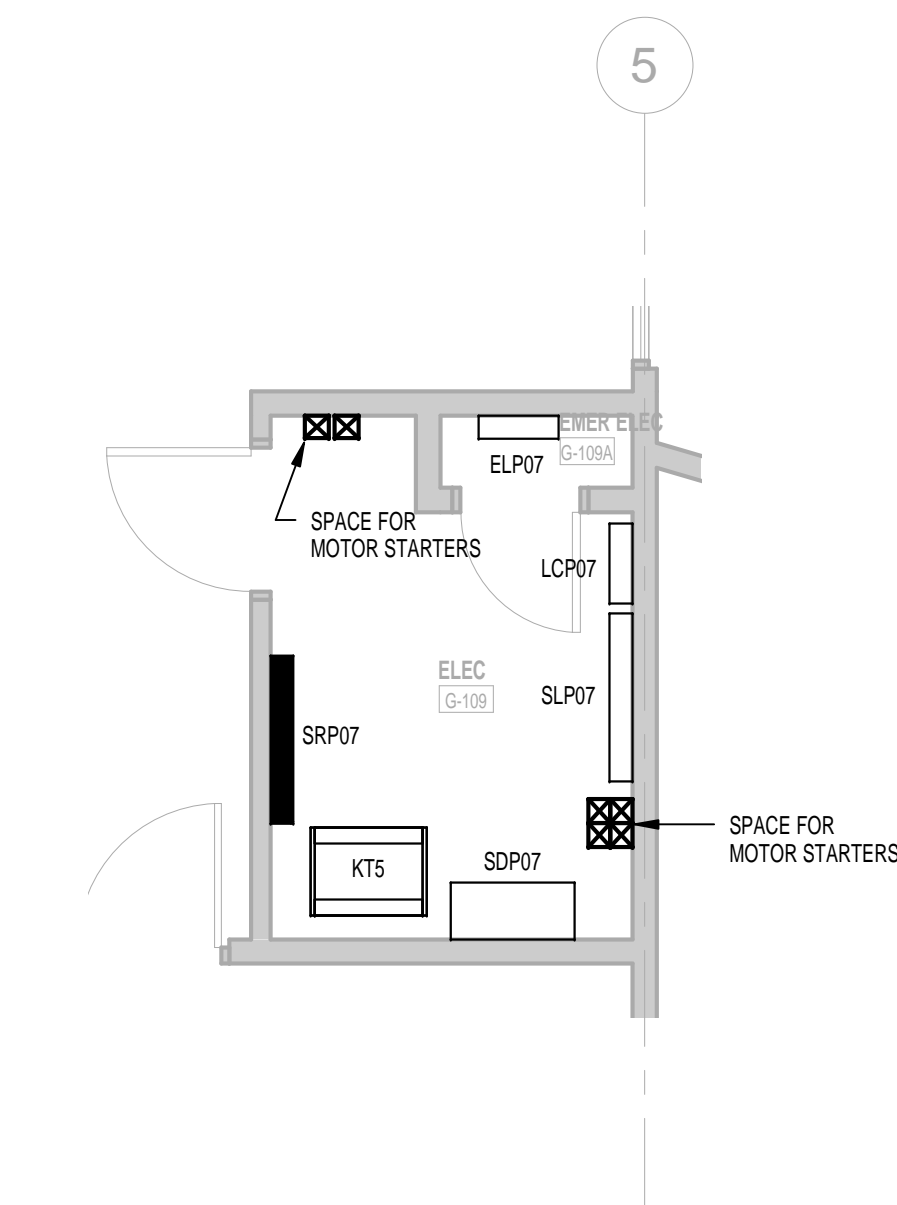
B2 ELEC F-109
 SCALE: 1/4" = 1'-0"



B4 ELEC E-109
 SCALE: 1/4" = 1'-0"



B6 ELEC L-103
 SCALE: 1/4" = 1'-0"

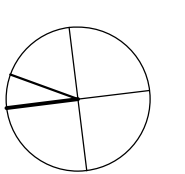


B8 ELEC G-109
 SCALE: 1/4" = 1'-0"

| MARK | DATE | DESCRIPTION |
|------|------------|--------------------|
| 1 | 03/28/2013 | SCHEMATIC DESIGN |
| | | ISSUE LOG |
| | | △ = CLOUDED CHANGE |

| | |
|--|--------------|
| SCALE | 1/4" = 1'-0" |
| DRAWN BY | APS |
| CHECK BY | SD |
| PROJ. ARCH/ENGR. | SD |
| PROJ. MGR. | DFBR |
| JOB NO. | 12029.00 |
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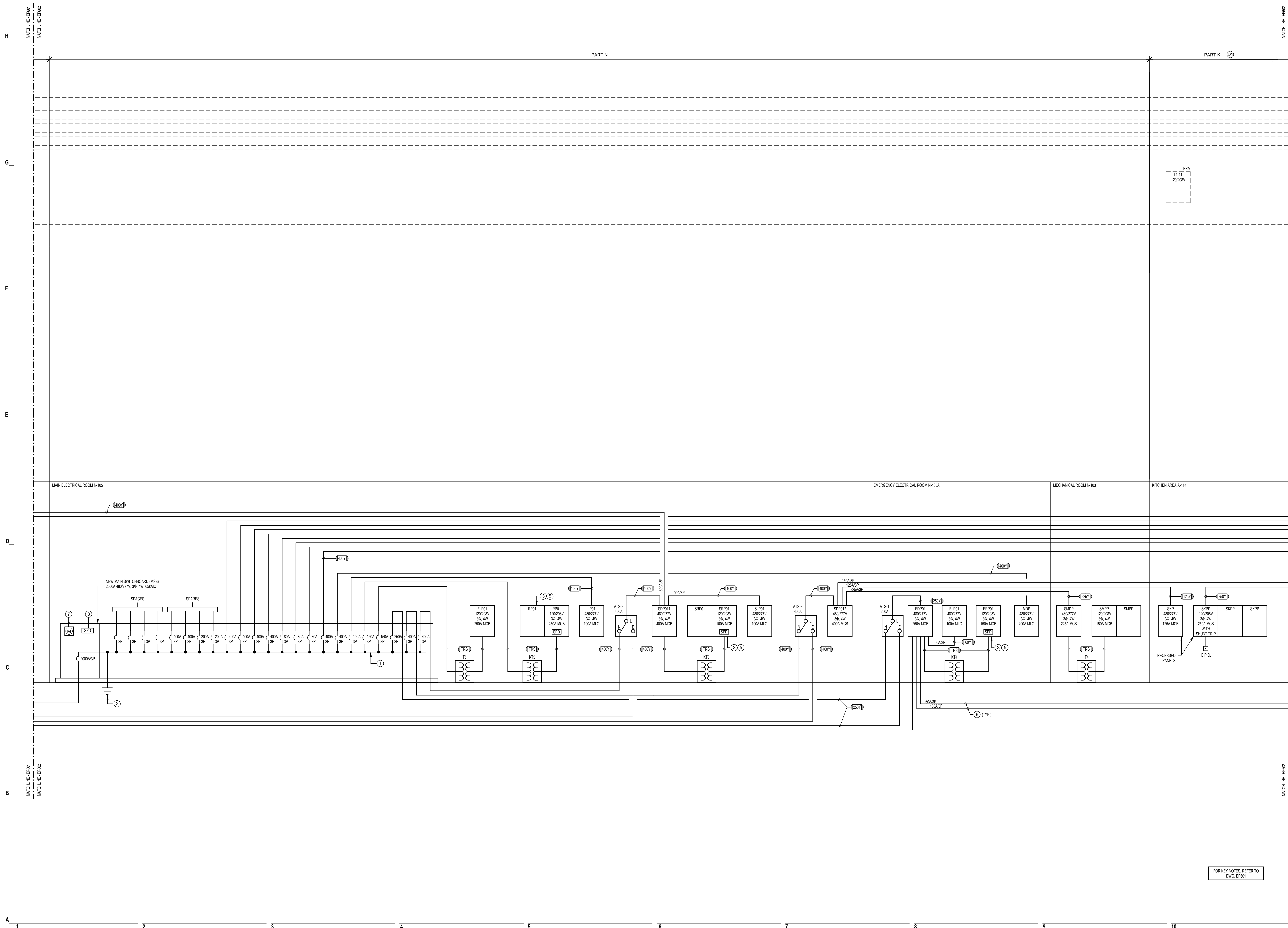
PARTIAL ELECTRICAL
 SCOPE PLANS



3/28/2013 1:45:54 PM C:\Users\apsa\appdata\local\temp\12029_Central_E_apparcont

STAMPS

**Monument
Mountain Regional
High School**
600 STOCKBRIDGE RD,
GREAT BARRINGTON, MA 01230



| MARK | DATE | DESCRIPTION |
|------|------------|-------------------|
| 1 | 03/28/2013 | SCHEMATIC DESIGN |
| | | ISSUE LOG |
| | | △ = CLOUDY CHANGE |

| SCALE | 12" = 1'-0" |
|--|-------------|
| DRAWN BY | APS |
| CHECK BY | SD |
| PROJ. ARCH. ENGR. | SD |
| PROJ. MGR. | DFBR |
| JOB NO. | 12029.00 |
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**POWER ONE-LINE
DIAGRAM PART 2**

FOR KEY NOTES, REFER TO
DWG. EP601

VOLTAGE DROP CHART

| 120 V CIRCUITS | | | | |
|----------------|---------------|------------|---------------|--|
| LOAD UP TO | CONDUCTOR #12 | SIZE / #10 | MAX LENGTH #8 | |
| 800 VA | 155 FT | 245 FT | 390 FT | |
| 1000 VA | 135 FT | 195 FT | 310 FT | |
| 1200 VA | 125 FT | 165 FT | 260 FT | |
| 1400 VA | 90 FT | 140 FT | 220 FT | |
| 1600 VA | 80 FT | 125 FT | 195 FT | |
| 1800 VA | 70 FT | 110 FT | 175 FT | |

| 277 V CIRCUITS | | | | |
|----------------|---------------|------------|---------------|--|
| LOAD UP TO | CONDUCTOR #12 | SIZE / #10 | MAX LENGTH #8 | |
| 2000 VA | 330 FT | 525 FT | 630 FT | |
| 2500 VA | 265 FT | 420 FT | 505 FT | |
| 3000 VA | 220 FT | 360 FT | 435 FT | |
| 3500 VA | 190 FT | 300 FT | 375 FT | |
| 4000 VA | 165 FT | 260 FT | 315 FT | |

| -48 V DC BRANCH CIRCUITS (-1 VOLT) | | | | |
|------------------------------------|--------------|-----------|----------------|--|
| LOAD UP TO | CONDUCTOR #8 | SIZE / #4 | MAX LENGTH #10 | |
| 10 A | 65 FT | 162 FT | 410 FT | |
| 20 A | 33 FT | 81 FT | 205 FT | |
| 30 A | 22 FT | 54 FT | 136 FT | |
| 40 A | 16 FT | 40 FT | 102 FT | |
| 60 A | --- | 27 FT | 68 FT | |

| -48 V DC MAIN FEEDERS (-1 VOLT) | | | | |
|---------------------------------|---------------|------------|-----------------|--|
| LOAD UP TO | CONDUCTOR #50 | SIZE / #50 | MAX LENGTH #750 | |
| 100 A | 136 FT | 194 FT | 292 FT | |
| 150 A | 91 FT | 156 FT | 195 FT | |
| 400 A | 34 FT | 58 FT | 73 FT | |
| 600 A | --- | 39 FT | 48 FT | |
| 800 A | --- | --- | 36 FT | |

BRANCH CIRCUITS SCHEDULE

| 120 OR 277 VOLT 1Ø, 2W. CIRCUITS | |
|----------------------------------|---------------------------|
| CIRCUIT BREAKER | CONDUCTOR |
| 30A-1P | 2 #10 & 1 #10 GND. - 34°C |
| 40A-1P | 2 #8 & 1 #10 GND. - 34°C |
| 50A-1P | 2 #6 & 1 #10 GND. - 34°C |
| 60A-1P | 2 #5 & 1 #10 GND. - 34°C |

| 208 VOLT 1Ø, 2W. CIRCUITS | |
|---------------------------|---------------------------|
| CIRCUIT BREAKER | CONDUCTOR |
| 20A-2P | 2 #12 & 1 #12 GND. - 34°C |
| 30A-2P | 2 #10 & 1 #10 GND. - 34°C |
| 40A-2P | 2 #8 & 1 #10 GND. - 34°C |
| 50A-2P | 2 #6 & 1 #10 GND. - 34°C |
| 60A-2P | 2 #5 & 1 #10 GND. - 34°C |

| 208 OR 480 VOLTS, 3Ø, 3W. CIRCUITS | |
|------------------------------------|---------------------------|
| CIRCUIT BREAKER | CONDUCTOR |
| 15A-3P, 20A-3P | 3 #12 & 1 #12 GND. - 34°C |
| 30A-3P | 3 #10 & 1 #10 GND. - 34°C |
| 40A-3P | 3 #8 & 1 #10 GND. - 34°C |
| 50A-3P | 3 #6 & 1 #10 GND. - 34°C |
| 60A-3P | 3 #5 & 1 #10 GND. - 34°C |

NOTES:
1. TYPE MC CABLE SHALL INCLUDE FULL SIZE INSULATED GROUND CONDUCTOR. SIZES AS INDICATED IN SCHEDULE.
2. UPGRADE WIRE SIZE ACCORDING TO VOLTAGE DROP CHART

- ### THREE PHASE AND SINGLE PHASE CIRCUIT SCHEDULE NOTES
- UNLESS OTHERWISE INDICATED, CONDUCTOR SIZING SHALL MATCH THE SIZE INDICATED FOR THE APPLICABLE OVERCURRENT DEVICE. PROVIDE LARGER CONDUCTORS AND RACEWAY WHERE INDICATED.
 - PROVIDE TYPE AND MINIMUM SIZE OF RACEWAY OR CABLE AS INDICATED IN SPECIFICATION OR ON THE DRAWINGS.
 - PROVIDE NEUTRAL IN CIRCUIT UNLESS DEVICE SERVED DOES NOT HAVE PROVISIONS FOR A NEUTRAL CONNECTION.
 - MINIMUM SIZE CONDUIT FOR SCHEDULE 80 OR ENT IS ONE STANDARD ELECTRICAL SIZE LARGER THAN INDICATED IN THE SCHEDULE. PROVIDE LARGER CONDUIT WHERE SPECIFICALLY INDICATED OTHERWISE. DO NOT INSTALL PVC INDOORS.
 - PROVIDE SEPARATE, INSULATED EQUIPMENT GROUNDING CONDUCTOR WITH EACH FEEDER AND BRANCH CIRCUIT.
 - PROVIDE ADDITIONAL INSULATED GROUND CONDUCTOR SAME SIZE AS THE EQUIPMENT GROUND. IN CIRCUITS TO ISOLATED GROUND PANELS OR DEVICES. GREEN WITH YELLOW STRIPE.
 - FOR PANELS WITH 200% NEUTRAL PROVIDE 200% NEUTRAL USING TWO PHASE SIZED CONDUCTORS IF SIZE #10 OR LARGER, OTHERWISE PROVIDE (1) #50 NEUTRAL.
 - PROVIDE SEPARATE INDIVIDUAL NEUTRAL FOR ALL CIRCUITS EXCEPT LIGHTING CIRCUITS. PROVIDE A DEDICATED NEUTRAL FOR GFCI OR AFCI CIRCUITS.
 - CIRCUIT SIZING BASED ON 600 VOLT 90°C RATED INSULATION. INTERIOR TYPE THHN/THWN-2 OR XHHW-2 (LARGER THAN SIZE #6). FOR EXTERIOR OR BELOW GRADE UTILIZE RHW-2/USE-2 IN CONDUIT ONE SIZE LARGER. SIZING BASED ON 60°C AMPACITIES FOR 100A OR LESS AND 75°C AMPACITIES OVER 100A.
 - FOR SERVICE ENTRANCE CONDUCTORS IT IS NOT REQUIRED TO INSTALL THE GROUNDING CONDUCTOR. THE NEUTRAL CONDUCTOR IS FULL SIZED AND IS BONDED TO THE GROUNDING ELECTRODE CONDUCTOR AT THE TRANSFORMER AND THE SERVICE DISCONNECT.
 - FOR BATTERY CABLES, INSTALL AND GROUP IN PAIRS (ONE POSITIVE AND ONE NEGATIVE CONDUCTOR) MARK POSITIVE CONDUCTOR WITH 5 OVERLAPPING WRAPS OF RED ELECTRICAL TAPE ON EACH END.

- ### TRANSFORMER SCHEDULE NOTES
- BOND NEUTRAL OF TRANSFORMER SECONDARY TO THE TRANSFORMER CASE, WITH BONDING JUMPER.
 - GROUND THE CASING OF THE TRANSFORMER TO NEAREST AVAILABLE EFFECTIVELY GROUNDED WATER PIPE, STRUCTURAL STEEL AND/OR DRIVEN GROUND ROD IN ACCORDANCE WITH N.E.C. 250.50 AND 250.52.
 - ALL CONDUCTOR SIZES ARE FOR COPPER CONDUCTORS. N.E.C. TABLE 310-16.
 - SECONDARY OVERCURRENT PROTECTION SHALL BE LOCATED WITHIN TEN (10) FEET OF THE TRANSFORMER SECONDARY TERMINALS EITHER IN A PANELBOARD (MAIN BREAKER) OR A INDIVIDUALLY MOUNTED CIRCUIT BREAKER.
 - TRANSFORMER BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR, EXCEPT NOTED OTHERWISE.
 - TRANSFORMER BONDING JUMPER (1-300kcmil).

SPACING FOR VERTICAL CONDUCTOR SUPPORTS

| SIZE OF WIRE | SUPPORT OF CONDUCTORS IN VERTICAL RACEWAYS | CONDUCTORS | | | |
|----------------------------------|--|----------------------------------|-----|--------|-----|
| | | ALUMINUM OR COPPER-CLAD ALUMINUM | | COPPER | |
| | | m | ft | m | ft |
| 18 AWG THROUGH 8 AWG | NOT GREATER THAN | 30 | 100 | 30 | 100 |
| 6 AWG THROUGH 10 AWG | NOT GREATER THAN | 60 | 200 | 30 | 100 |
| 20 AWG THROUGH 40 AWG | NOT GREATER THAN | 55 | 180 | 25 | 80 |
| OVER 40 AWG THROUGH 360 kcmil | NOT GREATER THAN | 41 | 135 | 18 | 60 |
| OVER 360 kcmil THROUGH 500 kcmil | NOT GREATER THAN | 38 | 120 | 15 | 50 |
| OVER 500 kcmil THROUGH 750 kcmil | NOT GREATER THAN | 26 | 95 | 12 | 40 |
| OVER 750 kcmil | NOT GREATER THAN | 26 | 85 | 11 | 35 |

"K" FACTOR DRY TYPE TRANSFORMER SCHEDULE

| SIZE | kVA | 480 VOLT OVERCURRENT | 208 VOLT OVERCURRENT | 480V FEEDER | 120/208V FEEDER | GROUNDING |
|------|-------|----------------------|----------------------|-----------------------------|--|-------------|
| KT1 | 9 | 20A, 3P | 30A, 3P | 3#12 & 1#12G - 34°C | 3#10, 1#8 NEUTRAL & 1#10 - 34°C | 1#8 - 34°C |
| KT2 | 15 | 30A, 3P | 50A, 3P | 3#10 & 1#10G - 34°C | 3#8, 1#8 NEUTRAL & 1#8G - 1°C | 1#8 - 34°C |
| KT3 | 30 | 60A, 3P | 100A, 3P | 3#8 & 1#10G - 1°C | 3#5, 1#8 NEUTRAL & 1#8G - 1°C | 1#8 - 34°C |
| KT4 | 45 | 80A, 3P | 150A, 3P | 3#4 & 1#8G - 1 1/4°C | 3#10, 2#10 NEUTRAL & 1#8G - 2°C | 1#8 - 34°C |
| KT5 | 75 | 150A, 3P | 250A, 3P | 3#10 & 1#8G - 1 1/2°C | 3-250kcmil, 2-500kcmil NEUTRAL & 1#10G - 4°C | 1#2 - 34°C |
| KT6 | 112.5 | 200A, 3P | 400A, 3P | 3#8 & 1#8G - 2°C | 3-500kcmil, 2-500kcmil NEUTRAL & 2#10G, 2-3°C | 1#10 - 34°C |
| KT7 | 150 | 300A, 3P | 500A, 3P | 3-350kcmil & 1#4G - 3°C | 6-250kcmil, 4-250kcmil NEUTRAL & 3#20G, 3-3°C | 1#10 - 34°C |
| KT8 | 225 | 400A, 3P | 800A, 3P | 3-500kcmil & 1#3G - 3 1/2°C | 9-300kcmil, 6-300kcmil NEUTRAL & 3#20G, 3-3°C | 1#20 - 34°C |
| KT9 | 300 | 600A, 3P | 1,000A, 3P | 6-350kcmil & 2#1G 2-3°C | 9-400kcmil, 6-400kcmil NEUTRAL & 3#20G, 3-3°C | 1#30 - 34°C |
| KT10 | 500 | 900A, 3P | 1,600A, 3P | 9-350kcmil & 3#20G 3-3°C | 12-600kcmil, 8-600kcmil NEUTRAL & 4#30G, 4-4°C | 1#30 - 34°C |

DRY TYPE TRANSFORMER SCHEDULE

| ID | kVA | 480 VOLT OVERCURRENT | 208 VOLT OVERCURRENT | 480V FEEDER | 120/208V FEEDER | GROUNDING |
|-----|-------|----------------------|----------------------|-----------------------------|---------------------------|-------------|
| T1 | 9 | 20A, 3P | 30A, 3P | 3#12 & 1#12G - 34°C | 4#10 & 1#10G - 34°C | 1#8 - 34°C |
| T2 | 15 | 30A, 3P | 50A, 3P | 3#10 & 1#10G - 34°C | 4#8 & 1#8G - 1°C | 1#8 - 34°C |
| T3 | 30 | 60A, 3P | 100A, 3P | 3#8 & 1#10G - 1°C | 4#3 & 1#8G - 1 1/4°C | 1#8 - 34°C |
| T4 | 45 | 80A, 3P | 150A, 3P | 3#4 & 1#8G - 1 1/4°C | 4#10 & 1#8G - 2°C | 1#8 - 34°C |
| T5 | 75 | 150A, 3P | 250A, 3P | 3#10 & 1#8G - 1 1/2°C | 4-250kcmil & 1#20 - 3°C | 1#2 - 34°C |
| T6 | 112.5 | 200A, 3P | 400A, 3P | 3#8 & 1#8G - 2°C | 4-500kcmil & 1#10G - 4°C | 1#10 - 34°C |
| T7 | 150 | 300A, 3P | 500A, 3P | 3-350kcmil & 1#4G - 3°C | 9-250kcmil & 2#10G 2-3°C | 1#10 - 34°C |
| T8 | 225 | 400A, 3P | 800A, 3P | 3-500kcmil & 1#3G - 3 1/2°C | 9-400kcmil & 2#30G 2-4°C | 1#30 - 34°C |
| T9 | 300 | 600A, 3P | 1,000A, 3P | 6-350kcmil & 2#1G 2-3°C | 12-400kcmil & 3#30G 3-3°C | 1#30 - 34°C |
| T10 | 500 | 900A, 3P | 1,600A, 3P | 9-350kcmil & 3#20G 3-3°C | 16-600kcmil & 4#30G 4-4°C | 1#30 - 34°C |

LEGEND OF FEEDER SIZES (COPPER CONDUCTOR)

| FEEDER SYMBOL | CONDUIT SIZE | CONDUCTOR SIZE | MAXIMUM AMPERE RATING | FEEDER SYMBOL | CONDUIT SIZE | CONDUCTOR SIZE | MAXIMUM AMPERE RATING | FEEDER SYMBOL | CONDUIT SIZE | CONDUCTOR SIZE | MAXIMUM AMPERE RATING | FEEDER SYMBOL | CONDUIT SIZE | CONDUCTOR SIZE | MAXIMUM AMPERE RATING |
|---------------|---|----------------|-----------------------|---------------|--------------|--------------------------------------|-----------------------|---------------|--------------|---------------------------|--------------------------------------|---------------|--------------|----------------------------------|-----------------------|
| (150) | 3/4" | 3#12+1#12G | 15 | (150) | 1 1/2" | 3#10+4#8G | 150 | (400) | 3 1/2" | 3#50 KCML+4#3G | 400 | (10H) | 3 1/2" | 3 SETS (3#400 KCML+4#20G) | 1000 |
| (15Y) | 3/4" | 4#12+1#12G | 15 | (150Y) | 2" | 4#10+4#8G | 150 | (400Y) | 4" | 4#50 KCML+4#3G | 400 | (10HY) | 3-3" | 3 SETS (4#400 KCML+4#20G) | 1000 |
| (30C) | 3/4" | 3#10+1#10G | 30 | (175C) | 2" | 3#20+4#8G | 175 | (450C) | 2 1/2" | 2 SETS (3#250 KCML+4#20G) | 450 | (12HC) | 3-4" | 3 SETS (3#600 KCML+4#30G) | 1200 |
| (30Y) | 3/4" | 4#10+1#10G | 30 | (175Y) | 2" | 4#20+4#8G | 175 | (450Y) | 2-3" | 2 SETS (4#250 KCML+4#20G) | 450 | (12HY) | 3-4" | 3 SETS (3#600 KCML+4#30G) | 1200 |
| (50C) | 3/4" | 3#8+1#8G | 50 | (200C) | 2" | 3#30+4#8G | 200 | (500C) | 2 1/2" | 2 SETS (3#350 KCML+4#20G) | 500 | (16HC) | 4-4" | 4 SETS (3#800 KCML+4#30G) | 1600 |
| (50Y) | 1" | 4#8+1#8G | 50 | (200Y) | 2" | 4#30+4#8G | 200 | (500Y) | 2-3" | 2 SETS (4#350 KCML+4#20G) | 500 | (16HY) | 4-4" | 4 SETS (3#800 KCML+4#30G) | 1600 |
| (60C) | 3/4" | 3#6+1#6G | 60 | (225C) | 2" | 3#40+4#4G | 225 | (600C) | 2-3" | 2 SETS (3#350 KCML+1#1G) | 600 | (20HC) | 5-4" | 5 SETS (3#800 KCML+4#30 KCML G) | 2000 |
| (60Y) | 1 1/4" | 4#6+1#6G | 60 | (225Y) | 2 1/2" | 4#40+4#4G | 225 | (600Y) | 2-3" | 2 SETS (4#350 KCML+1#1G) | 600 | (20HY) | 5-4" | 5 SETS (3#800 KCML+4#30 KCML G) | 2000 |
| (80C) | 1 1/4" | 3#4+4#8G | 80 | (250C) | 2 1/2" | 3#20 KCML+4#4G | 250 | (700C) | 2 1/2" | 2 SETS (3#500 KCML+1#10G) | 700 | (25HC) | 6-4" | 6 SETS (3#800 KCML+4#30 KCML G) | 2500 |
| (80Y) | 1 1/4" | 4#4+4#8G | 80 | (250Y) | 3" | 4#20 KCML+4#4G | 250 | (700Y) | 2-4" | 2 SETS (4#500 KCML+1#10G) | 700 | (25HY) | 6-4" | 6 SETS (3#800 KCML+4#30 KCML G) | 2500 |
| (100C) | 1 1/4" | 3#2+8G | 100 | (300C) | 3" | 3#30 KCML+4#4G | 300 | (800C) | 2 1/2" | 2 SETS (3#600 KCML+1#10G) | 800 | (40HC) | 10-4" | 10 SETS (3#800 KCML+4#30 KCML G) | 4000 |
| (100Y) | 1 1/4" | 4#2+4#8G | 100 | (300Y) | 3" | 4#30 KCML+4#4G | 300 | (800Y) | 2-4" | 2 SETS (4#600 KCML+1#10G) | 800 | (40HY) | 10-4" | 10 SETS (3#800 KCML+4#30 KCML G) | 4000 |
| (125C) | 1 1/2" | 3#1+8G | 125 | (350C) | 3 1/2" | 3#50 KCML+4#3G | 350 | (900C) | 3 1/2" | 3 SETS (3#650 KCML+4#30G) | 900 | (60HC) | 12-4" | 12 SETS (3#800 KCML+4#30 KCML G) | 5000 |
| (125Y) | 1 1/2" | 4#1+4#8G | 125 | (350Y) | 4" | 4#50 KCML+4#3G | 350 | (900Y) | 3-3" | 3 SETS (4#650 KCML+4#20G) | 900 | (60HY) | 12-4" | 12 SETS (3#800 KCML+4#30 KCML G) | 5000 |
| (TRS) | REFER TO TRANSFORMER SCHEDULE FOR PRIMARY, SECONDARY AND GROUNDING FEEDER SIZES | | | (F50) | 2-3" | CONDUIT ONLY - CONDUCTORS ARE FUTURE | | 450 | (12H) | 3-4" | CONDUIT ONLY - CONDUCTORS ARE FUTURE | | 1200 | | |
| | | | | (F60) | 2-4" | CONDUIT ONLY - CONDUCTORS ARE FUTURE | | 600 | (20H) | 5-4" | CONDUIT ONLY - CONDUCTORS ARE FUTURE | | 2000 | | |

NOTE: REFER TO ONE LINE RISER DIAGRAMS FOR MEDIUM AND HIGH VOLTAGE FEEDER SIZES

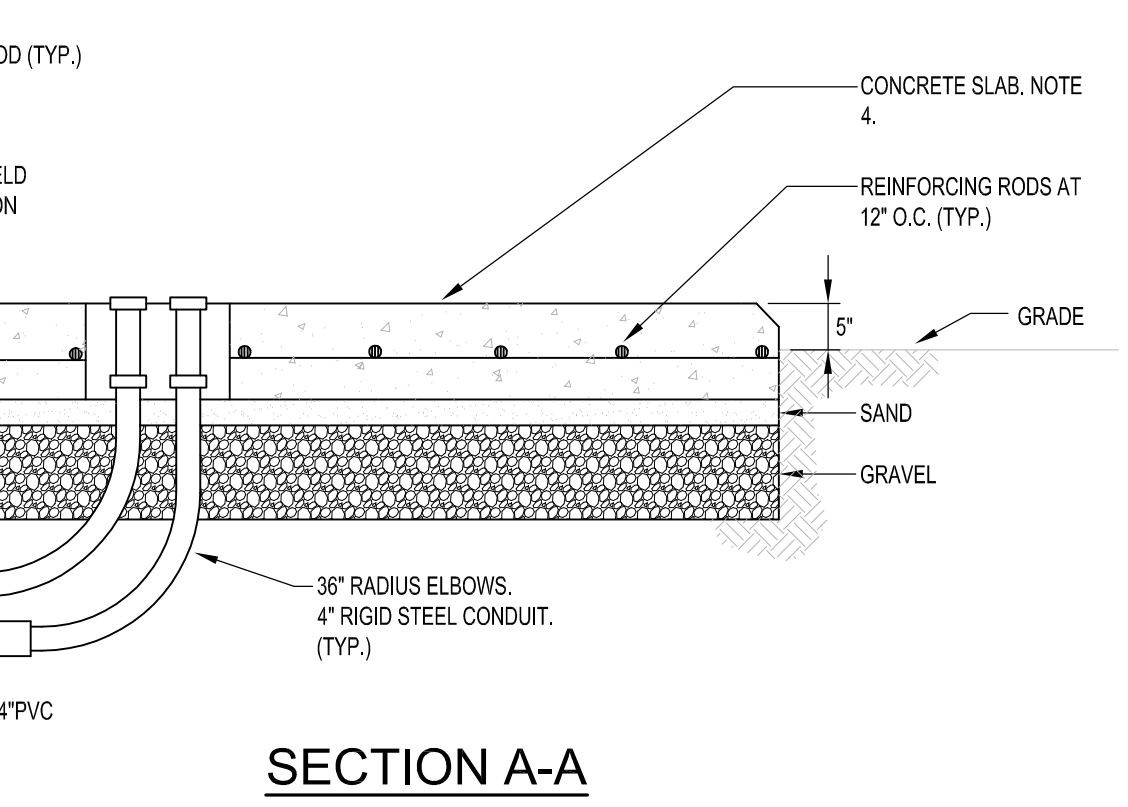
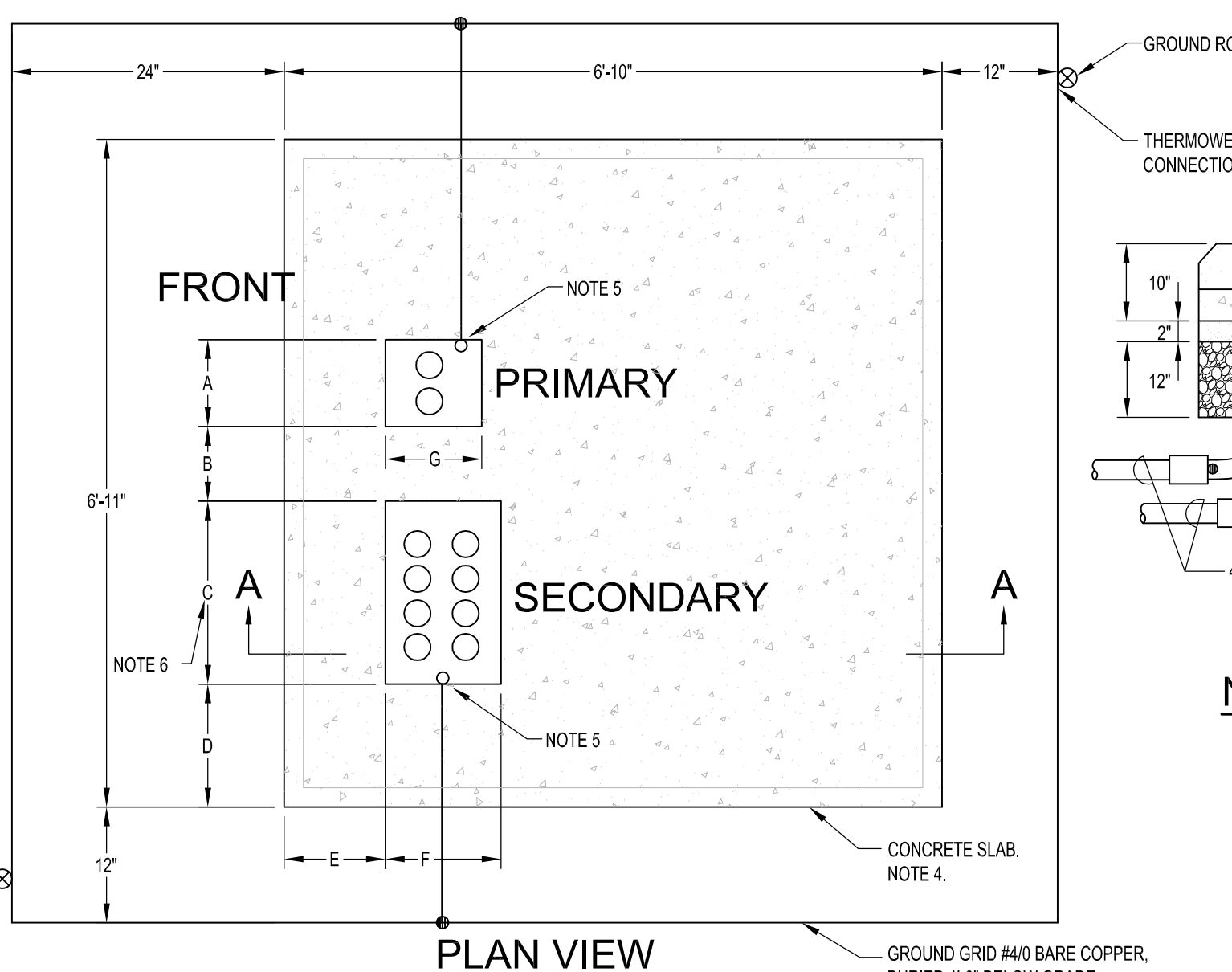
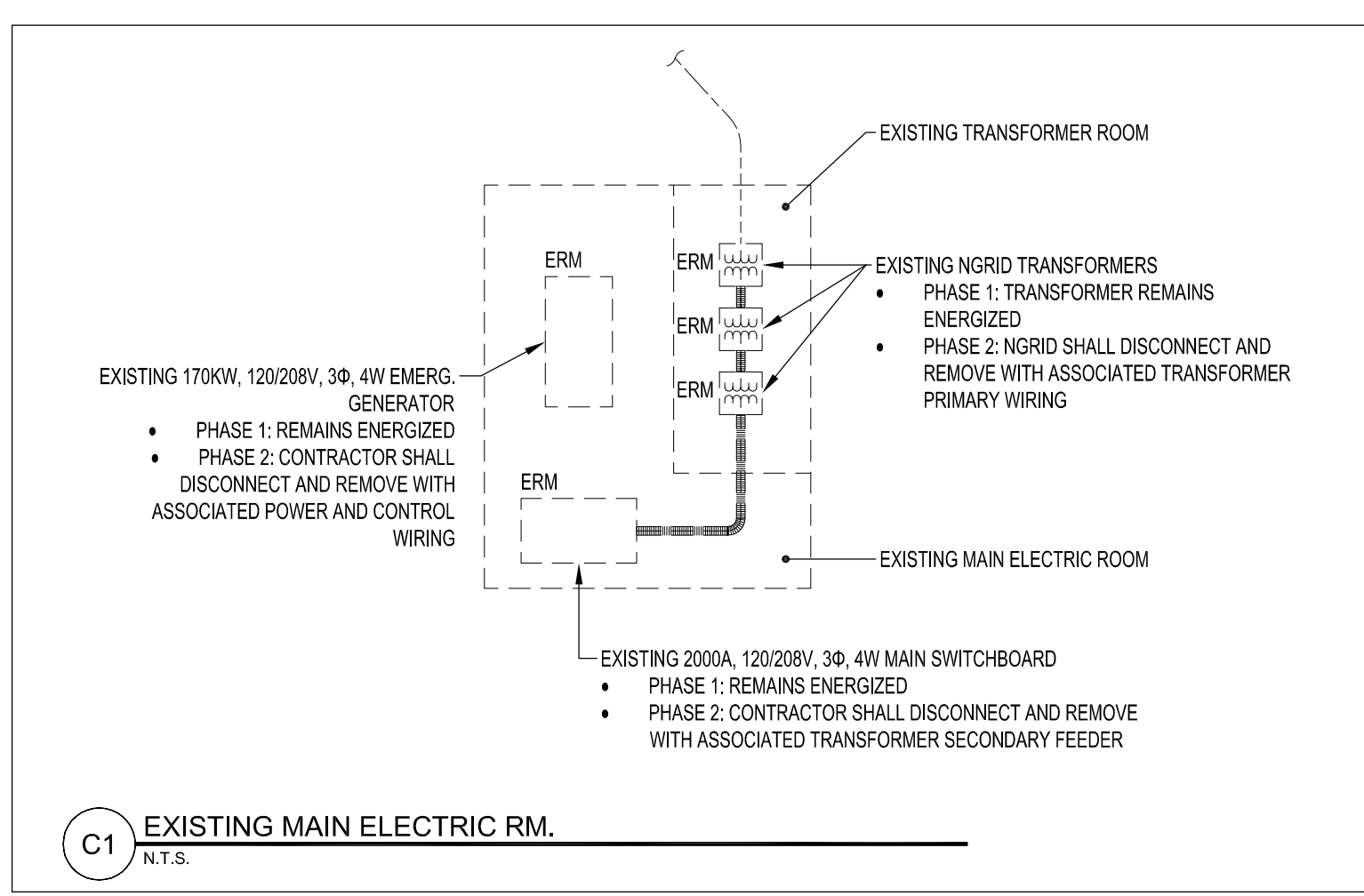
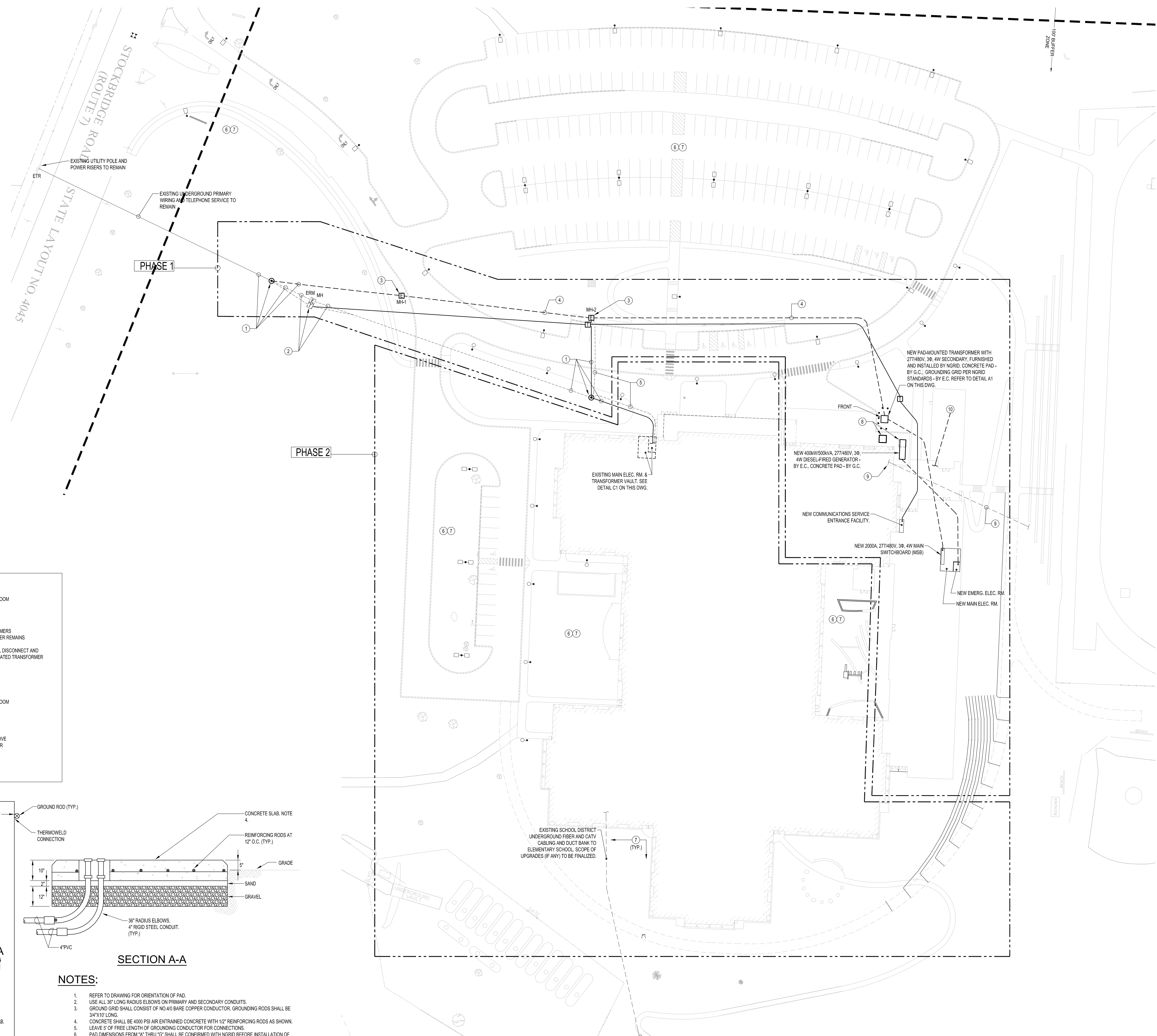
1 03/28/2013 SCHEMATIC DESIGN
MARK DATE DESCRIPTION
ISSUE LOG
△ CLOUDED CHANGE

SCALE 12" = 1'-0"
DRAWN BY APS
CHECK BY SD
PROJ ARCH ENGR SD
PROJ MGR DFR
JOB NO. 12029.00
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POWER ONE-LINE
DIAGRAM PART 4 AND
SCHEDULES

KEY NOTES:

- 1 INTERCEPT EXISTING PRIMARY POWER SERVICE CONDUITS AND EXTEND (2" FC, CONCRETE ENCASED) TOWARDS RESPECTIVE NEW MANHOLE (SPLICE BOX) MH-1 OR MH-2. EXISTING PRIMARY SERVICE WIRING SHALL BE RE-ROUTED TO NEW MANHOLES. COORDINATE SCOPE OF WORK AND RECONNECTING SCHEDULE WITH NGRID.
- 2 EXISTING PRIMARY SERVICE WIRING IN THIS AREA AND EXISTING HANDHOLE SHALL BE REMOVED. COORDINATE SCOPE OF WORK AND RECONNECTING SCHEDULE WITH NGRID.
- 3 PROVIDE NEW UNDERGROUND MANHOLE (SPLICE BOX) PER NGRID STANDARDS.
- 4 PROVIDE (2"x2") CONCRETE ENCASED CONDUITS WITH PULL STRINGS. PRIMARY SERVICE WIRING WITH TERMINATIONS SHALL BE INSTALLED BY NGRID. COORDINATE SCOPE OF WORK AND RECONNECTING SCHEDULE WITH NGRID.
- 5 UPON COMPLETION OF PHASE 2 WORK THE PRIMARY SERVICE WIRING IN THIS AREA SHALL BE DISCONNECTED AND REMOVED. COORDINATE SCOPE OF WORK AND RECONNECTING SCHEDULE WITH NGRID.
- 6 EXISTING EXTERIOR LIGHTING SYSTEM INCLUDING POLE-MOUNTED LIGHTS WITH CONCRETE BASES, SIGN LIGHTS AND BUILDING-MOUNTED LIGHTS WITH ASSOCIATED WIRING AND CONTROLS SHALL BE REMOVED.
- 7 NEW EXTERIOR LIGHTING SYSTEM CONSISTING OF POLE-MOUNTED LED LIGHTS, SIGN LIGHTS AND BUILDING-MOUNTED LIGHTS WITH ASSOCIATED WIRING AND CONTROLS SHALL BE PROVIDED.
- 8 DISCONNECT AND REMOVE WIRING TO EXISTING DUST COLLECTOR. PROVIDE WIRING TO NEW DUST COLLECTOR.
- 9 REWIRE EXISTING PRESS BOX PANEL AND EXISTING FIELDS LIGHTS.
- 10 PROVIDE WIRING TO NEW GREEN HOUSE PANEL.



- NOTES:**
1. REFER TO DRAWING FOR ORIENTATION OF PAD.
 2. USE ALL 3/8\"/>
 - 3. GROUND GRID SHALL CONSIST OF NO.40 BARE COPPER CONDUCTOR. GROUNDING RODS SHALL BE 3/4\"/>
 - 4. CONCRETE SHALL BE 4000 PSI AIR ENTRAINED CONCRETE WITH 1/2\"/>
 - 5. LEAVE 5' OF FREE LENGTH OF GROUNDING CONDUCTOR FOR CONNECTIONS.
 - 6. PAD DIMENSIONS FROM 'X' THRU 'Y' SHALL BE CONFIRMED WITH NGRID BEFORE INSTALLATION OF PAD.

Monument Regional High School
 600 STOCKBRIDGE RD,
 GREAT BARRINGTON,
 MA 01230

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| 1 | 03/28/2013 | SCHEMATIC DESIGN |
| MARK: | DATE: | DESCRIPTION: |
| ISSUE LOG | | |
| △ | = CLOUDED CHANGE | |
| SCALE | 1"=40'-0" | |
| DRAWN BY | APS | |
| CHECK BY | SD | |
| PROJ ARCH/ENGR. | SD | |
| PROJ. MGR. | DFBR | |
| JOB NO. | 12029 | |
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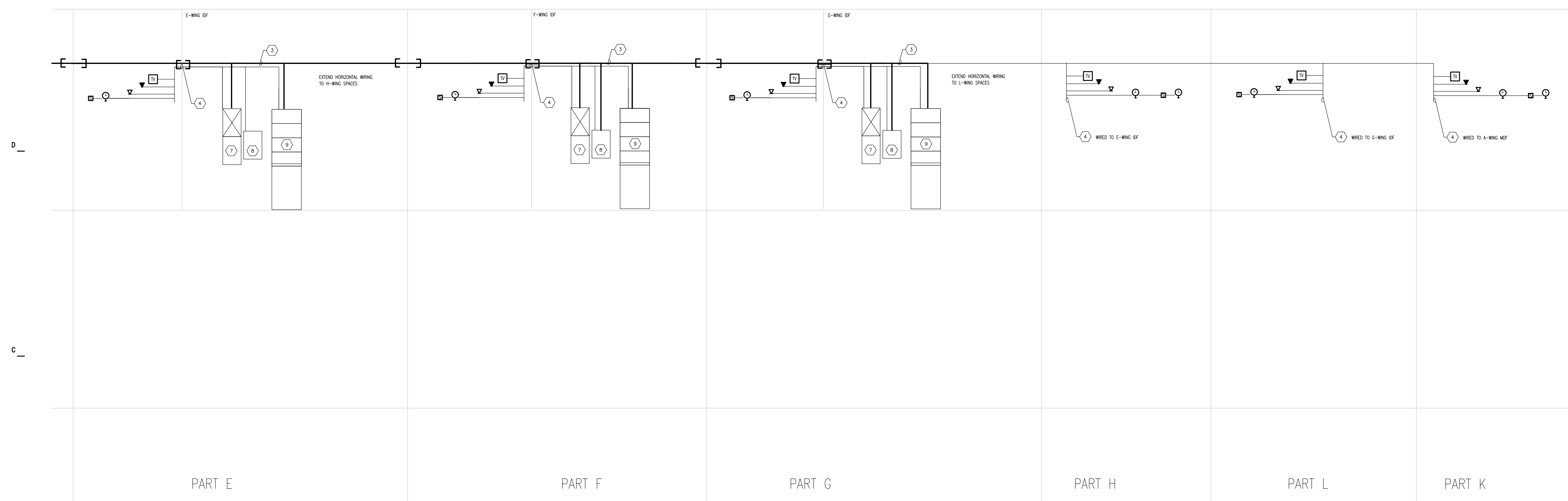
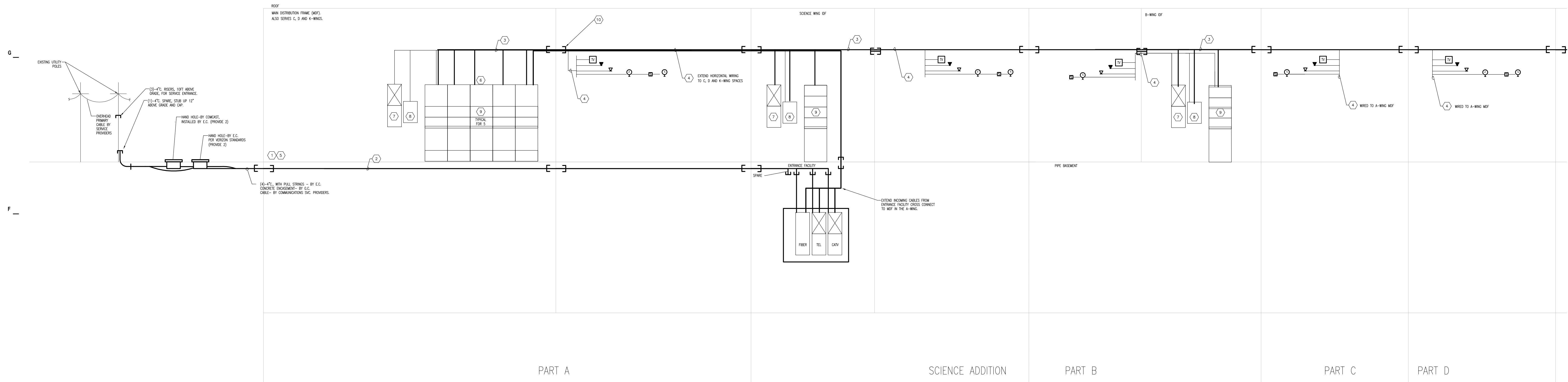
SITE PLAN AND DETAILS

RISER DIAGRAM NOTES:

- 1 COMMUNICATIONS ENTRANCE FACILITY
- 2 RISING SERVICES: TELEPHONE, DATA, DATA MUX
- 3 BACKBONE INFRASTRUCTURE - EXTEND IN SHAW TOPOLOGY TO EACH DATA ROOM AND NETWORK TELEPHONE ROOM: MULTISTRIP COPPER FOR VOICE (AND COAXIAL AS REQUIRED FOR EACH VOICE OUTLET PLUS 20% SPARE), 1/2" FIBER OPTIC CABLE, 1/2" FIBER OPTIC CABLE (SEE NOTE), CLOUD/INTERCONNECT FROM ROOM 140 TO EF LOCATIONS (NOT REQUIRED FROM COMMUNICATIONS ROOM)
- 4 TYPICAL HORIZONTAL CABLING FROM EACH EF/MEF TO DISTRIBUTED DEVICES
- 5 DATA/VOIP DATA
- 6 TELEPHONE/VOIP DATA
- 7 DATA/COAXIAL
- 8 CLICK
- 9 SPEAKER
- 10 COMMUNICATIONS EQUIPMENT ROOM INCLUDING: CABLE TRAYS, EQUIPMENT RACKS, PATCH TRAYS, POWER STRIPS, UPS/BATTERY AND BONDING, TELEPHONE PUNCH DOWN BLOCKS, PROPOSED QUANTITY OF DEVICES IS REQUIRED FOR COMPLETE SYSTEMS
- 11 TELEPHONE SWITCH, DATA HEAD END, SECURITY SYSTEM CONTROL PANEL, CLOUD/INTERCONNECT HEAD END
- 12 VOICE CROSS CONNECT
- 13 DATA DISTRIBUTION TRAYS (DIT) AS REQUIRED PLUS 20% FUTURE GROWTH
- 14 NETWORK PATCH PANELS AND EQUIPMENT RACKS
- 15 4"-6" CONDUITS (TYPICAL)

RISER DIAGRAM GENERAL NOTES:

- REFER TO ELECTRICAL SITE PLANS FOR LOCATION AND QUANTITY OF HAND HOLES.
- REFER TO POWER PLANS AND ELOI FOR COMPLETE ROOM LOCATIONS AND LAYOUT DETAILS.



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| 1 | 03/28/2013 | SCHEMATIC DESIGN |
| MARK: | DATE: | DESCRIPTION: |
| ISSUE LOG | | |
| △ = CLOUDED CHANGE | | |
| SCALE | N.T.S. | |
| DRAWN BY | PLW | |
| CHECK BY | PLW | |
| PROJ ARCH/ENGR. | SD | |
| PROJ MGR. | DFBR | |
| JOB NO. | 12029 | |
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COMMUNICATIONS ONE-LINE DIAGRAM

